Australian Government

Defence

AUSTRALIAN DEFENCE EXPORT CATALOGUE

8th Edition, 2024

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Foreword

The Defence Industry Development Strategy highlights exports as a key component of growing the resilience of the Australian defence industrial base. Exporting Australia's defence technology and capability to international markets strengthens our defence industrial base. The government is committed to driving export opportunities for Australian defence industry and looking for opportunities to embed them into the global supply chain.

I am pleased to present the newly branded, eighth edition of the Australian Defence Export Catalogue (the Catalogue). The Catalogue is the flagship publication to promote Australian defence industry on the international stage and showcases over 300 Australian businesses highlighting the products, services and innovation within Australia's defence industry sector.

The Catalogue has been renamed to reflect the Government's commitment to promote exports and showcase Australian ingenuity in global supply chains. The Catalogue includes a section on government support to defence industry companies via the Australian Defence Export Office - including Team Defence Australia, Office of Defence Industry Support, Defence Export Controls, Export Finance Australia and Austrade.

The Catalogue also highlights platforms that are either surplus to ADF requirement or will shortly retire from service. Interested foreign governments are encouraged to contact the Australian Defence Export Office to discuss suitability for their capability requirements. All capability is subject to independent and rigorous assessment in accordance with Australian export control legislation.

This eighth edition is available via booklet, web and mobile application (app). All businesses showcased in the app can access information detailing the number of hits to their featured page as well as which regions across the globe the hits are coming from.
Likewise, an individual user may interact with the business they are researching by clicking on that company's logo and in turn be redirected to the company-owned website where they can engage directly with the business.
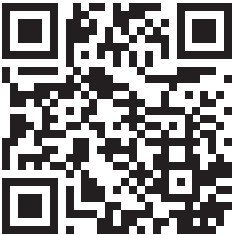
To download the app simply scan the QR Reader Code at the bottom of your hard copy booklet or search for the 'ADEO Portal' in your mobile app store. The Catalogue presents a significant opportunity for businesses to expand and reach new markets, which in turn assist our international partners to meet capability requirements.

For overseas readers, if you are interested in seeking further information on the capabilities of Australian defence industry, including products and services listed in the Catalogue or surplus ADF equipment to help you meet a capability need, please discuss with your designated Australian Defence Attaché or contact the Australian Defence Export Office.

The Government is committed to building sovereign industrial capability by driving export opportunities for Australian defence industry and encouraging opportunities to embed industry into the global supply chain. Enhancing defence industry opportunities means that businesses can scale up, create more jobs and greater economic prosperity for Australia. We hope you enjoy reading this, the eighth edition of the Catalogue and we look forward to helping you meet your capability requirements.

The Hon Pat Conroy MP
Minister for Defence Industry

Catalogue Web Portal

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Introduction

The Australian Defence Force (ADF) upgrades and replaces equipment progressively and routinely disposes of surplus equipment. Australian Military Sales (AMS) is the group responsible for managing the sale and transfer of surplus ADF equipment inventory to approved foreign government customers under international Government-to-Government transfer arrangements. Not all equipment is available now, however an 'Expression of Interest' (EOI) form (available within this Catalogue and AMS website) can be completed and emailed to AMS for governments wishing to discuss availability.

This is the eighth year AMS has produced the Australian Defence Export Catalogue (the Catalogue). Editions are available in hard copy, soft copy (via the AMS website **https://www1.defence.gov.au/business-industry/export/australian-military-sales**) and also available as a download for IOS and Android mobile phones from your App store.

The Catalogue includes an Australian defence industry section, where various defence industry companies have been selected to showcase their products and services. These companies represent a cross-section of defence industry from every state and territory within Australia. They have committed to research and development and in many instances the products and services listed have been used by the ADF, developed for use or development is supported by Defence. If you are interested in any of the listed products and/or services please visit the company's website.

This Catalogue is edition 8.

Note: *Inclusion of items in this Catalogue does not constitute or guarantee availability to any or all parties.*

The approval for the sale of defence equipment from Australia is undertaken via a process independent from AMS to ensure appropriate governance. A Defence Export Permit may be required – for further information please refer to Defence Export Controls, on page 15.

Section One

Australian Defence Industry - Doing Business

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Australian Defence Export Office

Defence Export Strategy – helping build a sovereign and sustainable Australian defence industrial base

The Defence Export Strategy (the Strategy) is the Australian Government's plan to support Australian defence industry to achieve greater export success. Over the next decade, the Government's strategic goal is to achieve greater export success to build a stronger, more sustainable and more globally competitive Australian defence industry to support Australia's defence capability needs.

The Australian Defence Export Office – the focal point for export support

The Australian Defence Export Office (ADEO) coordinates whole-of-government export support for Australian defence industry. The ADEO is responsible for delivering the initiatives outlined in the Strategy.

The ADEO works closely with a range of Australian Government agencies including Austrade, the Office of Defence Industry Support, the Department of Foreign Affairs and Trade, Export Finance Australia and state and territory governments to provide support to Australian defence industry exports. This support includes attendance at international trade shows with the Team Defence Australia program; targeted international trade missions; inclusion in the Australian Defence Sales Catalogue; Government-to-Government transfers of defence-related materiel and high-level advocacy through the Australian Defence Export Advocate.

The ADEO also leverages its international network of Defence Attachés and Austrade Business Development Managers in key markets (the United States of America, the United Kingdom, the United Arab Emirates, Singapore, Indonesia and Japan) to facilitate Australian defence industry access to export opportunities.

In addition to the Australian Defence Export Advocate, the ADEO utilises ministers, senior leaders from the Department of Defence and senior military reservists for export advocacy, including during international trade shows and targeted trade missions.

To ensure Australian defence industry can meet current and future demands, the ADEO tailors its assistance to companies on a case-by-case basis, and endeavours to provide a targeted level of support across all stages of a company's export journey.

To understand how the ADEO can assist your company in its export endeavours, visit the website **https://www1.defence.gov.au/business-industry/export/australian-defence-export-office or email aust.deo@defence.gov.au**

Australian Military Sales

Australian Military Sales (AMS) is part the Australian Defence Export Office. The role of AMS is to support Australian sovereign capability, military sales programs and to promote Australian defence industry through:

- International Government-to-Government sale, gifting or other transfer of surplus Australian Defence Force (ADF) articles and at times industry procured capability
- International Government-to-Government purchase of Australian origin, sensitive technology, and ADF articles
- Supporting Australian defence industry to export to foreign government customers.

The Australian Defence Export Catalogue (the Catalogue) is a key aid in assisting AMS to achieve its tasks. The Catalogue showcases Australian defence industry to a global audience and also provides information on surplus ADF equipment for sale across the Air, Land, Sea and Joint domains to foreign government customers. An 'Unclassified' Expression of Interest (EOI) must be completed in accordance with the AMS process in order to commence discussions. The form is treated 'in confidence'.

Please note:

- Completion of an EOI does not constitute a commitment to purchase but rather registers a foreign government's interest in a product/service/capability. Likewise there is no guarantee the capability will be available for transfer.
- An expression of interest form may be called upon for public release by law under the Australian Freedom of Information Act 1982 (FOI Act).
- Advice on other surplus ADF capability, not catalogued here, may be obtained by contacting AMS through the same process.
- Any transfer is subject to a rigorous Australian Defence Export Controls assessment.

Equipment information pages identifying the type, quantity, origin and availability of equipment, products and services including any export controls are enclosed. Although not catalogued, equipment spares, and support and test equipment will be available for sale as part of any major item sale or can be sold separately.

Availability dates are a guide only and may be subject to change. Some equipment will be subject to Country of Origin, Foreign Government export approvals. For instance, United States International Traffic in Arms Regulations (ITAR) and require United States Department of State approval. Equipment is offered on the basis of 'as is, where is'.

For further information please email AMS at **AMS.mailbox@defence.gov.au or visit our website by using the QR code below.**

Copyright

AMS Website

Team Defence Australia

The Team Defence Australia (TDA) Program, an initiative of the Australian Defence Export Office (ADEO), is the national platform for export-capable Australian defence and dual-use companies to showcase their goods, services, technology and solutions to the international market through international trade events.

TDA supports small and medium-sized enterprises to promote their capabilities to international markets through international trade shows, online trade engagements and international trade missions.

Support provided to companies attending a trade event as part of the TDA delegation includes free space on a custom-built "Australia" pavilion, senior military support and advocacy, defence industry specific market insight briefings, networking opportunities, pitch training,

business-to-business matching support facilitated by Austrade and on-site support at the trade event.

TDA leverages the ADEO's Austrade Business Development Manager and Defence Attaché international network to engage with overseas companies and foreign militaries to identify opportunities and provide introductions and advocacy for Australian defence industry.

For details of upcoming international trade events and information on how TDA can help your business, email us at **teamdefence.australia@defence.gov.au** or visit **https://www.defence.gov.au/business-industry/Export/team-defence-australia**

Defence Export Controls

Export Permits for Military and Dual-Use Goods, Software and Technology

Under Australian legislation, exporters must have a permit to lawfully export or supply certain military and dual-use goods, software or technology from Australia. Goods, software and technology that require an export permit are specified in a legislative instrument - the Defence and Strategic Goods List 2021 (DSGL). Permits may also be required to publish DSGL technology or to broker DSGL goods or technology.

Defence Export Controls (DEC) is the Commonwealth regulator for the export of military and dual-use goods, software and technology. DEC administers the legislation on behalf of the Minister for Defence, and works with exporters to enable responsible military and dual-use exports.

If you are unsure whether your intended export or activities require a permit, please apply for a DSGL/Technical Assessment which will provide authoritative advice.

If you do require a permit, our website has information and videos that step you through how to register with us and apply for:

- a new permit to export, supply, publish or broker military or dual-use goods, software or technology (including for trans-shipment through Australia and for repair or return);
- permits to support projects and contracts;
- in-principle assessment to provide an indication of the likely risks of an export proposal; and
- minor amendment/s of an existing permit.

It is important to provide accurate and complete information against all fields of your application, including the technical specifications of your export, your consignees, end users and the intended end use of the goods, software or technology. You should also attach:

- an estimated dollar value for the items you are going to export or supply;
- supporting commercial documents (i.e. contracts, purchase orders); and
- the end-user certificate (a 'DEC03' for commercial end-use or 'DEC04' for government end-use). Templates for these certificates are available on the DEC website: **www.defence.gov.au/business-industry/export/controls/assess-apply/forms**

Providing this information will ensure that your application can progress as smoothly as possible. If you have any difficulties or questions, please contact us using the email address or phone number below.

DEC will assess your export application against the relevant legislation to determine whether the export would be prejudicial to the security, defence or international relations of Australia. Each application is assessed on its own merits.

DEC also facilitates membership into the Approved Community for the purpose of the Australia-US Defence Trade Cooperation Treaty. More information is available at **https://www.defence.gov.au/business-industry/export/ controls/us-trade-treaty**

For more information on these processes, please visit our website at **www.defence.gov.au/exportcontrols**.

Defence Export Controls can be contacted Monday-Friday 0830-1630 AEST:

- Phone: 1800 66 10 66 or +61 2 6266 7222 from outside of Australia
- E-mail: **ExportControls@defence.gov.au**

Export Finance Australia

About Export Finance Australia

Export Finance Australia is the Australian Government's export credit agency. For more than 60 years, we have helped build Australia's export trade by providing Australian businesses with finance solutions to support their export growth.

Through our loans, guarantees and bonds we enable small and medium enterprises (SMEs) and defence primes to take on export opportunities. We support all businesses, from experienced exporters to businesses pursuing exports or new markets for the first time.

How we can help

Working with your existing bank, or directly with you, we offer loans, guarantees and bonds to help you:

- Meet your contracts: We know defence businesses often face significant up-front costs and delayed payments. We can help you obtain additional working capital and maintain cashflow to meet your contracts.
- Expand your business: We can work with you to help finance business growth, including expanding facilities, establishing an e-commerce presence, opening an offshore office or bringing in new equipment to meet an export contract.
- Support your buyers: We can look at providing finance to your buyers (including sovereign buyers) to support them to purchase your goods and services – helping you present a more compelling package.
- Participate in supply chains: We may be able to provide you finance if you are part of a defence supply chain where the end product is exported, or is likely to lead to an export in the future.

The Defence Export Facility

As part of the Defence Export Strategy, we also administer a US$3 billion Defence Export Facility. This Facility provides an additional mechanism for us to support new direct export and supply chain contracts.

Our Criteria

For us to provide our financial solutions, the transaction must:

- Have the necessary level of Australian content or benefit to Australia;
- Be commercially viable; and
- Have the required defence export permit or in-principle approval from Defence Export Controls.

Contact Export Finance Australia

For more information on how we could support you, please call us on 1800 093 724 or visit **exportfinance.gov.au**

Austrade

The Australian Trade and Investment Commission – Austrade – contributes to Australia's economic prosperity by leveraging our deep commercial knowledge and relationships, our international and domestic networks, and the badge of government, to promote trade and attract productive foreign direct investment into Australia. This includes helping Australian businesses, including those in the defence industry, develop international markets for their products and services.

Austrade signed a Memorandum of Understanding (MoU) with the Australian Defence Export Office (ADEO) in 2018. The MoU sets in place arrangements for Austrade and the ADEO to work together – both in Australia and overseas –to support Australian defence exporters.

Using its network covering 108 locations, including 66 locations overseas, Austrade:

- connects export-ready Australian businesses to overseas opportunities and works with them to achieve commercial outcomes;
- provides authoritative commercial insights and information to help businesses make informed export and investment-related decisions; and
- provides 1-1 assistance with international market selection and market entry/expansion strategies, identifying partners and arranging tailored introductions.

Austrade has appointed specialist Defence and Security Sector Directors to enhance support for Australian defence exporters. Directors are located in France, Indonesia, Japan, Singapore, the United Arab Emirates, the United Kingdom, and the United States of America.

Austrade also supports and delivers a number of activities and programs to support defence exporters, such as:

- supporting Team Defence Australia trade shows through arranging business matching meetings and providing market intelligence;
- delivering targeted defence and dual-use business missions to key defence markets in partnership with the ADEO;
- leveraging our Landing Pads program to support market-ready defence and dual-use startups and scaleups to expand – https://www.austrade.gov.au/landingpads; and
- financial assistance for exporters through our Export Market Development Grants scheme – https://www.austrade.gov.au/australian/export/export-grants.

Defence exporters can also benefit from Austrade's above mentioned services to support other elements of their business. Notably, Austrade can help businesses to enter or expand into other sectors such as services and technology, infrastructure, international health, tourism and regional investment, resources and energy, food and agribusiness, education and advanced manufacturing and space.

For more information on how Austrade can assist companies succeed internationally, please visit **www.austrade.gov.au** or email the defence industry team at **defence@austrade.gov.au**.

Defence Policy for Industry Participation

Defence Policy for Industry Participation

The Defence Policy for Industry Participation (the Policy) was launched in March 2019. The Policy extends the requirement to maximise Australian Industry involvement in Defence materiel and non-materiel procurements over $4 million, and to construction services over $7.5 million.

The Policy's core element is to maximise opportunities for Australian industry to participate in Defence procurements. The policy requires tenderers to demonstrate appropriate and formal consideration of Australian industry locally and nationally with an industry schedule or plan that forms part of their tender response as follows:

- Procurements valued less than $4 million – no specific Australian industry tenderer documentation required.
- Procurements valued between $4 million and $20 million – an Australian Industry Capability Schedule.
- Procurements valued at $20 million or more – an Australian Industry Capability Plan.
- Construction services valued at $7.5 million or more – a Local Industry Capability Plan.

For more information, visit: **http://www.defence.gov.au/ SPI/Industry/AIC.asp** All inquiries should be sent to **aic.info@defence.gov.au**

Office of Defence Industry Support

The Office of Defence Industry Support (ODIS) provides a seamless experience for small and medium enterprises (SMEs) looking to enter—or expand their footprint—in the domestic and international defence industry market.

ODIS provides guidance and support to Australian business:

- looking to support the defence industry
- looking to develop export markets
- seeking access to global supply chains

We work closely with the Australian Defence Export Office, partner agencies and Defence to help Australian defence businesses improve their global competitiveness and access to defence industry business opportunities in Australia and abroad. Targeted support is available to regional and Indigenous businesses.

Our national network supports Australian businesses with:

- defence readiness information and advice on business improvement strategies;
- professional advice with government grant opportunities;
- advice about Defence industry needs, throughout the capability lifecycle; and
- export-related advice.

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odis.contact@defence.gov.au

www.defence.gov.au/odis

Australian Submarine Agency
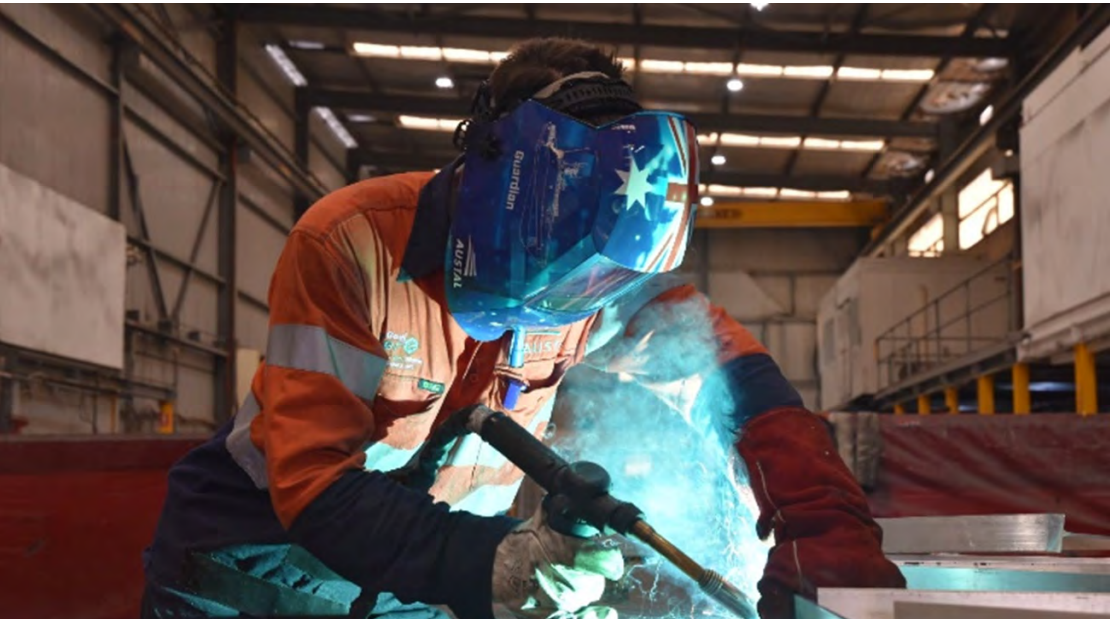
The Australian Submarine Agency (ASA) was established on 1 July 2023 to safely and securely acquire, construct, deliver, technically govern, sustain and dispose of Australia's conventionally-armed nuclear-powered submarine capability for Australia, via the AUKUS partnership. The nuclear-powered submarine program is providing pathways for Australians to contribute to establishment and maintenance of this critical capability.

The ASA is now seeking expressions of interest from Australian organisations who may be able to supply suitable products and services in support of the nuclear-powered submarine programs of Australia, the United Kingdom, and the United States.

The ASA Industry Capability Network Gateway Portal (the Portal) at NPSProgram.icn.org.au is a primary method of communication for the ASA; expressing interest by registering on the Portal is free.

Those registered on the Portal will be the first to hear about opportunities to participate in the trilateral program, including in AUKUS supply chains, and through domestic and international industry engagement events.

Sovereign Defence Industrial Priorities

Australian Government

The **Defence Industry Development Strategy**, publicly released on 29 February 2024, establishes the framework and principles for defence industry policy for an important decade in Australia's national security.

Defence has identified 7 Sovereign Defence Industrial Priorities (SDIPs), which represent the industrial capabilities Defence requires in Australia. Successful industrial prioritisation means Defence can access the industrial capabilities it needs to deploy a defence capability if, when and how the Government directs.

Defence has developed detailed SDIPs (Annex B to the Defence Industry Development Strategy). The SDIPs provide greater granularity for each SDIP and also highlight new opportunities, in advance of tendering processes, and be refined as projects/programs progress and the industrial base develops.

The detailed SDIPs will be refined, including through consultation with industry, to ensure continued alignment with the biennial National Defence Strategy and to consistently and continuously guide and grow the sovereign defence industrial base.

SDIPs:

- **Maintenance, repair, overhaul and upgrade of Australian Defence Force aircraft**
  A sovereign industrial aircraft Maintenance, Repair, Overhaul, and Upgrade (MRO&U) capability is critical to optimising aircraft availability and ensuring it is not compromised, especially during times of conflict. It is essential to grow and guide Australia's nascent MRO&U capability in order to increase supply chain security and resilience to provide the increase in capacity needed to support Australia and our trusted partners during times of conflict.

- **Continuous naval shipbuilding and sustainment**
  Australia must have the industrial capability and capacity to maintain, sustain and upgrade our naval vessels and capabilities, including nuclear-powered submarines. Creating and sustaining this industrial capability, including the underpinning workforce, is a critical component of self-reliance in National Defence.

- **Sustainment and enhancement of the combined-arms land system**
  A fully enabled, integrated amphibious-capable combined-arms land system is critical to Australian military strategy and enabling the integrated force to achieve its mission. A focussed defence industry is crucial to the design, generation, and sustainment of the vehicles, equipment and training systems essential to the continued function of the combined-arms land system.
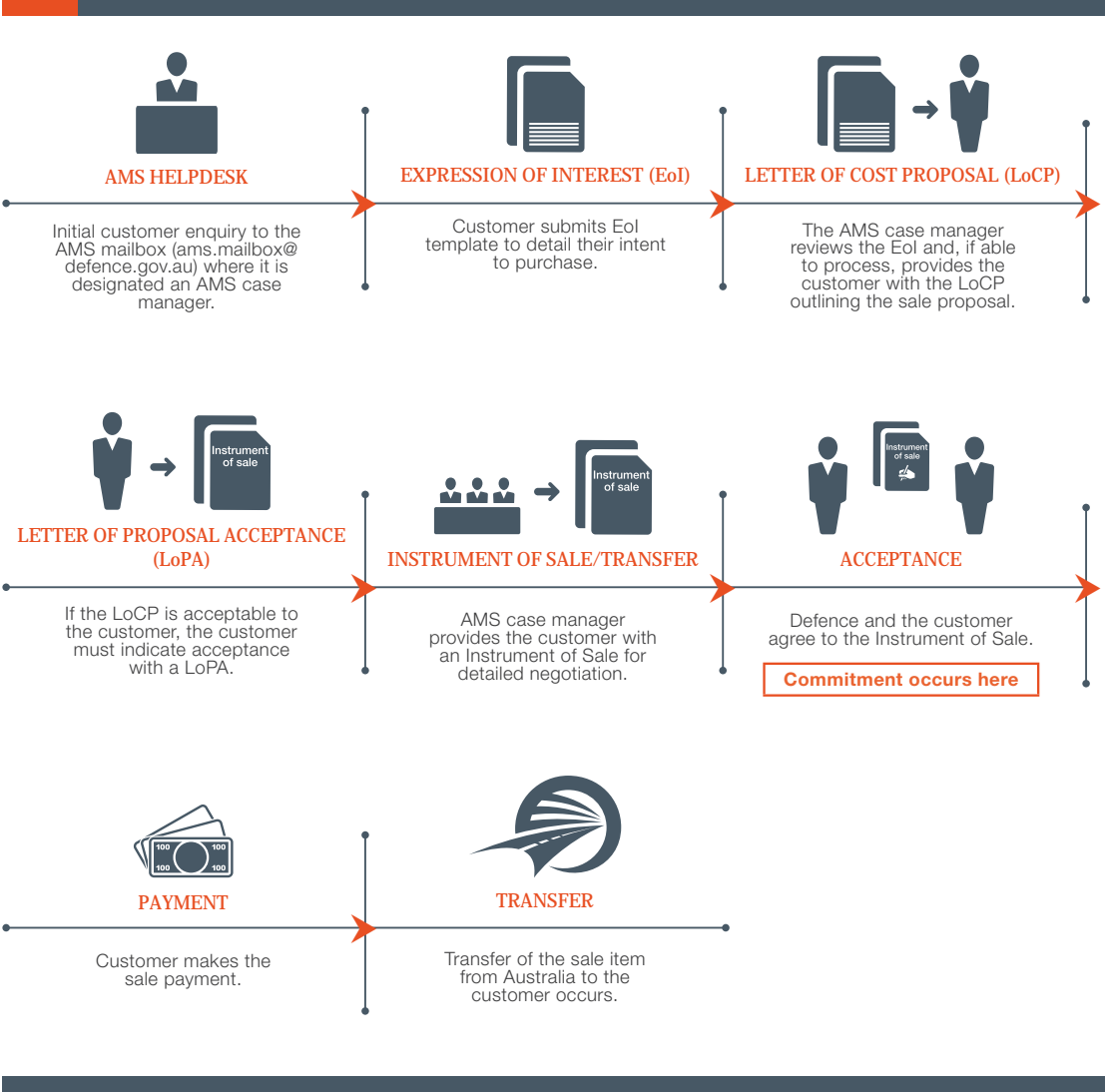
- **Domestic manufacture of guided weapons, explosive ordnance and munitions**
  The Australian Defence Force uses hundreds of different guided weapons and explosive ordnance (GWEO) types, and each type can contain hundreds or even thousands of components. Individual GWEO types are often tightly coupled with specific launch platforms, combat and fire control systems and targeting systems, making substitution to a different GWEO type difficult. Defence is adopting a phased approach to build Australia's domestic manufacturing capability for GWEO.

- **Development and integration of autonomous systems**
  Autonomous systems offer Defence the opportunity to generate affordable mass, increase range and lethality and increase force protection. Highly capable autonomous systems are a force multiplier across all domains in both the physical and cyber-physical sense. Ongoing innovation, science and technology will help identify and focus Defence's efforts. Defence will continue to invest in the development of autonomous systems across all domains.

- **Integration and enhancement of battlespace awareness and management systems**
  Battlespace awareness is required at the strategic, operational and tactical levels of command and control across air, maritime, land, space and cyber domains, and the electromagnetic spectrum, from seabed to space. Defence must invest in the targeting systems and processes required for advanced and long-range weapons, undersea warfare, and integrated air and missile defence.

- **Test and evaluation, certification and systems assurance**
  Test and evaluation plays a critical role across all elements of the capability life cycle. Its role is to assure that capabilities are safe and operationally viable through the provision of objective evidence to quantify the risk of new technologies, concepts or capabilities on warfighting operations.

The Sovereign Defence Industrial Priorities can be found here: **https://www.defence.gov.au/business-industry/industry-capability-programs/sovereign-defence-industrial-priorities**

The Defence Industry Development Strategy is located here: **https://www.defence.gov.au/about/strategic-planning/defence-industry-development-strategy**

International Government-to-Government Process

Generic Transfer Flow Chart

AMS HELPDESK

Initial customer enquiry to the AMS mailbox (ams.mailbox@defence.gov.au) where it is designated an AMS case manager.

EXPRESSION OF INTEREST (EoI)

Customer submits EoI template to detail their intent to purchase.

LETTER OF COST PROPOSAL (LoCP)

The AMS case manager reviews the EoI and, if able to process, provides the customer with the LoCP outlining the sale proposal.

LETTER OF PROPOSAL ACCEPTANCE (LoPA)

If the LoCP is acceptable to the customer, the customer must indicate acceptance with a LoPA.

INSTRUMENT OF SALE/TRANSFER

AMS case manager provides the customer with an Instrument of Sale for detailed negotiation.

ACCEPTANCE

Defence and the customer agree to the Instrument of Sale.

Commitment occurs here

PAYMENT

Customer makes the sale payment.

TRANSFER

Transfer of the sale item from Australia to the customer occurs.

Expression of Interest Form

Australian Government
Department of Defence

Expression of Interest Form
Australian Military Sales (AMS)

Please tick appropriate box

☐ ADF equipment Expression of Interest

☐ Defence industry Expression of Interest

1: Customer details

Contact person

[First and last name]

Designation

Company / Organisation name

Government or Industry sector

Address | Country

Email | Telephone [Include area and country code] | Mobile [Include area and country code]

2: Product details

Product name

Model name / Number (where known)

Quantity requested

Spares requirements

Training and support requirements

Date required | Intended use | Further information

3: Authorisation

Authorising officer | Signature | Date

FOR OFFICIAL AMS USE ONLY

Date received | AMS reference number | Action officer

Please note: *This is an Expression of Interest only and does not constitute a formal agreement or contract between the Australian Government and the customer. For further information on the AMS purchasing process email **ams.mailbox@defence.gov.au**. All Expressions of Interest are treated as in-confidence unless mutually agreed otherwise. Please note this Expression of Interest may be called upon for public release by law under the Freedom of Information Act 1982 (FOI Act).*

Section Two

Australian Defence Force Platforms

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A Defence Export Permit may be required for the products and services shown on each of the following pages.

Australian Light Armoured Vehicle (ASLAV) - Family of Vehicles

Platform	Australian Light Armoured Vehicle (ASLAV)
Orgin	LAV25 vehicles from Canada
Original equipment manufacturer / through-life support partner	General Dynamics Land Systems – Australia (GDLS-A)
Spares and support equipment available?	Yes
Variant	Type 1 (general purpose); Type 2 (command, personnel carrier, ambulance & surveillance); Type 3 (fitters & recovery)
ITAR approval required?	Yes
Australian Export Control approval required?	Yes
Availability	EoI sought now. Phased withdrawal planned from 2020 delivering up to approximately three Squadrons or up to 12 Troop level capability bricks)
Weapon systems	25mm Bushmaster chain gun, 7.62mm pintle mount, smoke dischargers

Product information

The Australian Light Armoured Vehicle (ASLAV), based on the LAV25 vehicle, continues to deliver the Australian Army's armoured, combat reconnaissance and surveillance capability. It is an eight (8) wheel drive, amphibious vehicle modified to deal with Australia's harsh environmental conditions. The ASLAV fleet, of 253 vehicles in seven variants, is designed to require minimal logistic support when deployed.

The ASLAV Type 1 is fitted with an electric turret, enhanced drive train, improved thermal optics, integrated laser range finder, run flat tyres, small arms resistant armour, internal spall protection and a fire suppression system. Selected vehicles are fitted with remote weapon stations.

Availability

Expressions of Interest are sought for individual vehicles and capability brick offerings: Troop (5 vehicles – general purpose and personnel carrier variants); Squadron (17 vehicles – general purpose, personnel carrier, ambulance and fitters variants).

Bushmaster Protected Mobility Vehicle

Platform	Bushmaster Protected Mobility Vehicle
Orgin	Australia
Original equipment manufacturer / through-life support partner	Thales Australia
Spares and support equipment available?	Yes
Variant	Troop carrier, ambulance, command, mortar, direct fire weapons, air defence and general maintenance
ITAR approval required?	No
Australian Export Control approval required?	Yes
Availability	EoI sought now. Phased withdrawal planned from 2030
Weapon systems	Weapon mounts for up to three systems, ability to fit remote weapons station
Powerplant	MTU 6 V 199 TE 20

Product information

The Bushmaster is a highly mobile, ballistic, mine and improvised explosive device (IED) resistant Protected Mobility Vehicle which provides a high level of crew and passenger protection and survivability through its mobility and monocoque v-shaped armoured hull. Operated by the Australian Army and Royal Australian Air Force (RAAF) Airfield Defence Guards, the Bushmaster family of modular armoured vehicles offers high levels of protected mobility for combat, combat support and combat service support troops across a diverse range of mission profiles including troop movement, command and control (C2), electronic warfare, air defence, direct fire support, route clearance and medical evacuation. The Bushmaster is air portable in C-17 aircraft.

Availability

Expressions of interest are sought for individual vehicles and capability brick offerings: Platoon (four vehicles – Troop carrier variant), Company (17 vehicles – Troop carrier, C2 and ambulance variants).

81mm F2 Mortar System

Platform	81mm Mortar System
Orgin	Australia
Original equipment manufacturer / through-life support partner	OEM-Australian Defence Ordnance Factory / Through Life Support provided by Australian Army and in-house contractor support
Spares and support equipment available?	Yes
Variant	Nil
ITAR approval required?	No
Australian Export Control approval required?	Yes
Availability	Approximately 120 systems

Product information

The 81mm Mortar F2 is a smooth bore, muzzle loaded, high angle of fire weapon with a total weight of 36.6 kg. The mortar is a derivative of the British 81mm Medium Mortar, which was developed in the United Kingdom by the Royal Armament Research and Development Establishment at Fort Halstead. The 81mm Mortar F2 was manufactured under license by the Ordnance Factory Maribyrnong Victoria Australia circa 1976.

Availability

Expressions of Interest are sought for the 81mm Mortar System. Approximately 150 F2 Mortar Systems are available for sale. Each system comes complete with a L16A2 Barrel, Blast Attenuating Device, a L5A4 Mortar Mount Bipod and Base Plate. Maintenance records and repair parts are also available upon request. Product detail can be provided on application.

Section Three

Australian Primes and Large Businesses

Aspen Medical
Austal Ships Pty Ltd
BAE Systems Australia Limited
Boeing Defence Australia
Electro Optic Systems
L3Harris Technologies
Luerssen Australia
Saab Australia Pty Ltd
Supacat
Thales Australia Limited

A Defence Export Permit may be required for the products and services shown on each of the following pages

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Aspen Medical

Design | Field Equipment | Humanitarian | Logistics | Medical | Training & Education

Company Brief

Aspen Medical, an Australian veteran-owned company, offers comprehensive, scalable and agile healthcare solutions. Our services include customisable medical support, medical training, emergency vehicles, aeromedical evacuation and specialist care in remote and challenging environments. As an existing trusted partner of the Australian Defence Force, we are committed to ensuring the highest quality of care for personnel, regardless of the circumstances.

Healthcare Solutions

Aspen Medical provides cost-effective, cutting-edge healthcare solutions to support critical operations and to optimise the health and performance of your workforce in both garrison and field environments. Our services include: Primary, Environmental and Public Health, Disaster and Humanitarian Response, PPE Manufacturing, Health Technology, Health Logistics, Specialised Military Medical Training, and Deployable Healthcare Infrastructure. WHO accredited as an Emergency Medical Team for infection disease outbreak management and trauma surgical operations.

Availability   Designed and manufactured to order.

Website: www.aspenmedical.com

Austal Australia

Autonomous Systems | Design | Engineering | Manufacturing | Ship Building | Through-Life Support

Company Brief

Austal is Australia's global shipbuilder, defence prime contractor and maritime technology partner; designing, constructing and supporting defence and commercial vessels for world leading operators. Defence vessels offered include multi-mission surface warfare combatants, high-speed military support vessels and an extensive range of patrol boats. Austal's capabilities also include advanced vessel management systems and extensive in-service support, sustainment teams and infrastructure.

Guardian Class Patrol Boat

The Guardian-class Patrol Boats were designed by Austal Australia for the Australian Government's Pacific Patrol Boat Replacement Project (SEA3036-1), a project to gift 12 vessels to Pacific Island nations and Timor-Leste. The 39.5 metre Guardian class Patrol Boats are larger, faster, and more comfortable - and have greater capabilities and range than the previous Pacific-class Patrol Boats.

Availability Designed and manufactured to order.

Website: www.austal.com

Evolved Cape Class Patrol Boat

The Evolved Cape-class Patrol Boat (Austal Patrol 58) is a benchmark naval vessel, designed and constructed by Austal Australia, performing multiple roles for border force, coast guard and naval fleets located in Australia and overseas. The 58 metre aluminium mono-hull patrol boats featuring Austal's MOTION CONTROL and MARINELINK systems are able to undertake patrols up to 28 days in conditions up to Sea State 4; sail 4,000 nautical miles before having to refuel; respond to a full range of maritime security threats, at speeds up to 25 knots; carry a larger crew to more effectively and safely manage boarding operations, and launch two Tender Response Vessels (7.3m RHIB's) simultaneously.

Availability Designed and manufactured to order.

High Speed Support Vessel 72

The HSSV 72 is an all-aluminium, high-speed military catamaran that offers fast, multiple-mission SEA LIFT capability; deploying up to 260 embarked troops (and 69 crew), vehicles and cargo, with medium lift aviation support including a deck for helicopters and/or Unmanned Aerial Vehicles (UAV's). With a maximum speed of 38 knots and a shallow draft of just 3 metres, the HSSV is an agile, adaptive intra-theatre support vessel ideal for a range of military, search and rescue, humanitarian or disaster relief (HADR) missions.

Availability Designed and manufactured to order.

BAE Systems Australia

Autonomous Systems | Electronic Warfare | Intelligence, Surveillance & Reconnaissance | Ship Building | Through-Life Support | Weapons & Ammunition


BAE SYSTEMS

Company Brief

BAE Systems Australia is a defence and security company with a history of almost 70 years of supporting the Australian Defence Force. Since 1953, they have worked purposefully to create a unique domestic capability that is today an integral part of a stronger, more sovereign Australian industry and one that is better able to deliver unique solutions to the Defence sector.

Mantlet™

To meet the challenges of today's complex and ever-changing Electronic Warfare (EW), BAE Systems have developed Mantlet™, a high-performance, 'low SWAP' low cost fully digital Electronic Support Measures (ESM) system. Mantlet™ is an Advanced Miniature Digital ESM System providing Radio Frequency (RF) situational awareness to enable rapid decision-making. Mantlet™ passively detects, identifies and characterises emitters at better than 2°rms and provides an unparalleled geo-location capability from a single platform. Mantlet's small size, weight and power enables it to be easily integrated onto UAVs, land vehicles, helicopters, fast jets, transport aircraft and maritime platforms.

Availability 6+ months.

Website: www.baesystems.com/en-aus/home

Ship Air Defence Model (SADM)

SADM is a maritime air defence simulation tool that is in-service with Navies and research organisations around the world. SADM offers high fidelity operational analysis of Task Group level air and surface warfare engagements. Scientists, engineers, military tacticians and operators are able to collaborate on maximising ship survivability and enhancing mission effectiveness, with SADM providing detailed characterisation of ships, weapons and sensors and their interactions with the Radio Frequency (RF) and physical environments in open sea and littoral operating areas. SADM is in service with the navies and research establishments of 13 nations.

Availability <3 months

High Frequency (HF) Systems

BAE Systems is a global leader in the design, manufacture, integration and operation of HF Sensor Systems. BAE Systems designs and delivers Transmit and Receive Subsystems for HF Sensor Systems utilising a family of proven HF technologies owned by BAE Systems, including common aperture digital receiver, digital waveform generator, and timing and frequency reference distribution, integrated by a suite of world leading HF Sensor Management software.

Availability 6+ months

Mantlet Edge™

The Mantlet Edge™ system addresses the requirements for Communications and Radar ESM detection capability at the tactical edge, reducing cost, increasing commonality and providing greater operational flexibility. Mantlet Edge™ passively detects, identifies and characterises emitters at better than 2°rms providing an unparalleled geo-location capability from a single unit. For man-portable operations, the high-performance, 'low SWAP' fully digital miniature sensor is combined with an antenna array, navigation solution, PC and Android analysis.

Availability 6+ months.

Boeing Defence Australia

Autonomous Systems | Communications | Electronic Warfare | Intelligence, Surveillance & Reconnaissance | Space Capabilities | Through-Life Support

Company Brief

Boeing Defence Australia designs and delivers advanced communication systems including the Currawong Battlespace Communications System which is adopted widely across all ADF domains. As the prime for all Boeing platform sustainment, the Boeing Defence Australia approach optimises reliability, availability and capability.

Currawong Battlespace Communications (Land 2072 Phase 2B)

The Currawong Battlespace Communications System provides wideband connectivity for deployed military forces, supporting the growing need for secure voice, video and data from tactical to operational and strategic headquarters. Currawong is interoperable, agile and scalable using ruggedised modules and advanced networking capabilities to deliver a joint black core from multiple telecommunications bearers, including satellite, radio, troposcatter, optical, wire cable and secure use of public internet. This scalability delivers a capability continuously evolving with the needs of the modern military. Currawong's Mission System Manager provides intuitive network planning and management.
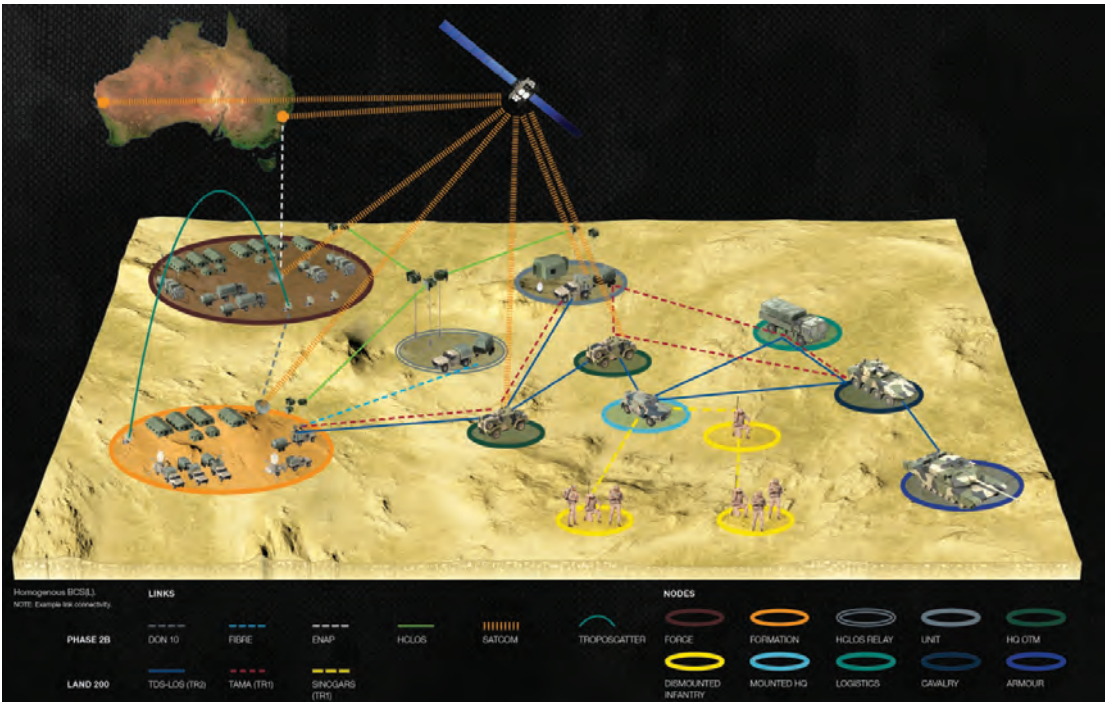
Availability   Designed and manufactured to order.

Website: www.boeing.com.au

Tactical Edge Server (TES)

Passively cooled, ruggedised computing platform with server class performance and storage for battlefield de-centralised "Edge" computing. Industry standard and upgradeable computer modules, currently providing Gen6 Intel Xeon processor, 128GB of RAM and four configurable solid state drives. Options include later Intel Processors, available M.2 slots. Qualified to military standards, the TES optimises compute capacity without compromising size, weight and power. Multiple TES modules may be connected via 10Gbps for distributed requirements. Australian designed and manufactured for the multiple ADF programs.

Availability   6+ months.

Radio Interface System (RIS)

The RIS is a rugged hardware platform that hosts analogue and digital radio gateways and supports IP networking, routing and Radio over Internet Protocol (RoIP). It provides the flexibility to bridge disparate tactical radio networks together with physical and soft telephony and when used with deployed or strategic networks it extends the range of tactical radio nets. The RIS hosts a web-interface to enable users to access connected tactical radio nets locally or from anywhere in the network. The RIS is designed to integrate with the Currawong Battlespace Communications System, but can be deployed as a standalone device.

Availability   6+ months.

Deployable Data Centre Assembly (DDCA)

The DDCA typically serves 50-500 users with multiple rapidly deployed and connected classified networks for deployed headquarter operations. Routing, switching and hosting functionality with integrated cooling and power provides flexible capacity to support applications, voice, video and data services across multiple security domains. Highly automated configuration and integrated management simplify the establishment of secure communication networks and Defense Information Environments.

Availability   Designed and manufactured to order.

Electro Optic Systems

Autonomous Systems | Intelligence, Surveillance & Reconnaissance | Manufacturing | Space Capabilities | Unmanned & Counter Unmanned Systems | Weapons & Ammunition

Company Brief

Electro Optic Systems (EOS) an Australian owned technology and manufacturing company, has been operating in the defence, space and communications sectors for almost 40 years. EOS' core capabilities include bespoke optical and laser assemblies, thermal imagers, day cameras, gimbal units, laser rangefinders, precision mechanisms, high-end broadband radio transceivers and satcom-on-the-move terminals. EOS owns all IP along with complete vertical design allowing for long-term obsolescence management.

Remote Weapon Systems: R800/R150

The R800 is a heavy-duty remote weapon system (RWS) with medium-calibre turret capabilities without the weight of conventional full-sized turrets. The system is armed with a 30 x 173mm cannon, coaxial machine gun, mounting points for Anti-Tank Guided Missiles, surface-to-air missiles, and additional novel effectors like the less than lethal EOS C-UAS Laser Dazzler. The lightweight R150 is ITAR-free and mounts machine guns up to 12.7mm. Both are fully stabilised, use surveillance grade day/thermal sensors and a vehicle/user interface common to all EOS RWS and can be easily adapted as part of a C-UAS/UGV/Missile system solution.

L3 Harris VAMPIRE with an R150 gimbal

R800

R150

Availability 6+ months.

Website: www.eos-aus.com

Counter-Drone Defence System: Slinger
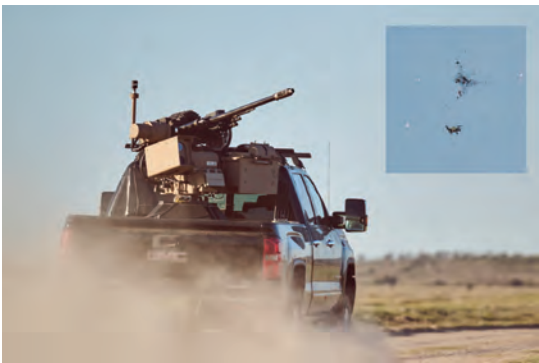
This advanced weapon platform, weighing under 400 kg, is fully stabilised for on-the-move operations and integrates seamlessly with centralised systems or functions independently as a standalone unit. It features Echodyne's ultra-low SWaP 4D targeting radar with active beam steering ESA and a 4-axis sighting system, allowing independent sensor movement in elevation and azimuth for enhanced accuracy. The platform, mountable on military and commercial vehicles or at fixed sites, is equipped with a Bushmaster M230LF 30 x 113mm cannon and lightweight 30mm Proximity Sensing Ammunition with radio frequency proximity-fused, high explosive fragmentation rounds.

Availability 6+ months.

Counter-Drone Defence System: Titanis

Based on the proven EOS R-Series remote weapon systems, Titanis is a fully integrated and scalable C-UAS system. Titanis incorporates EOS' direct fire engagement systems (R150/R400/R800 remote weapon systems), passive and active electronic warfare systems, an integrated sensor suite - including pulse-Doppler, software defined radar, day/thermal camera, laser rangefinder, and radio frequency detection systems - plus an optional directed energy effector. These systems sit together with, and are integrated through, a proprietary C2 and fire control system developed by EOS.

Availability 6+ months.

Space Domain Awareness

Capability comprises Australian-designed and developed equipment, systems, and facilities for space domain awareness (SDA), space surveillance, space control, and communications. This includes beam director telescopes, high-powered laser systems, enhanced imaging systems, and high accuracy timing and positioning systems. Also featured are fully autonomous software controls for optical ground station networks and space domain awareness services, passive and active (laser) tracking technologies covering Low Earth Orbit (LEO) to Geostationary Earth Orbit (GEO) and beyond, and a substantial EOS-owned space object catalogue updated daily.

Availability 6+ months.

L3Harris Technologies

Autonomous Systems | Communications | Electronic Warfare | Engineering | ICT & Cyber | Intelligence, Surveillance & Reconnaissance

Company Brief

L3Harris provides advanced technology solutions to government and commercial customers across Australia and internationally. L3Harris has facilities in all major Australian cities and employs over 500 professionals who understand the region's unique requirements. L3Harris, with the capability for local design and manufacture, can deliver, maintain and support complex defence systems and equipment for Australia and for export, supporting the Australian Industry Capability strategy.

GPM300 Acoustic Modem

The GPM300 Acoustic Modem is L3Harris's long-range subsea communications system using third generation MASQ (Multichannel Acoustic Signalling QoS) multichannel Direct Sequence Spread Spectrum (DSSS) technology for high reliability communications, robust against multipath inter-symbol interference. The GPM300 can be integrated on all subsea equipment allowing for long range reliable underwater communication between systems. The technology is manufactured and maintained in Australia and has been exported to Navies and commercial projects worldwide.
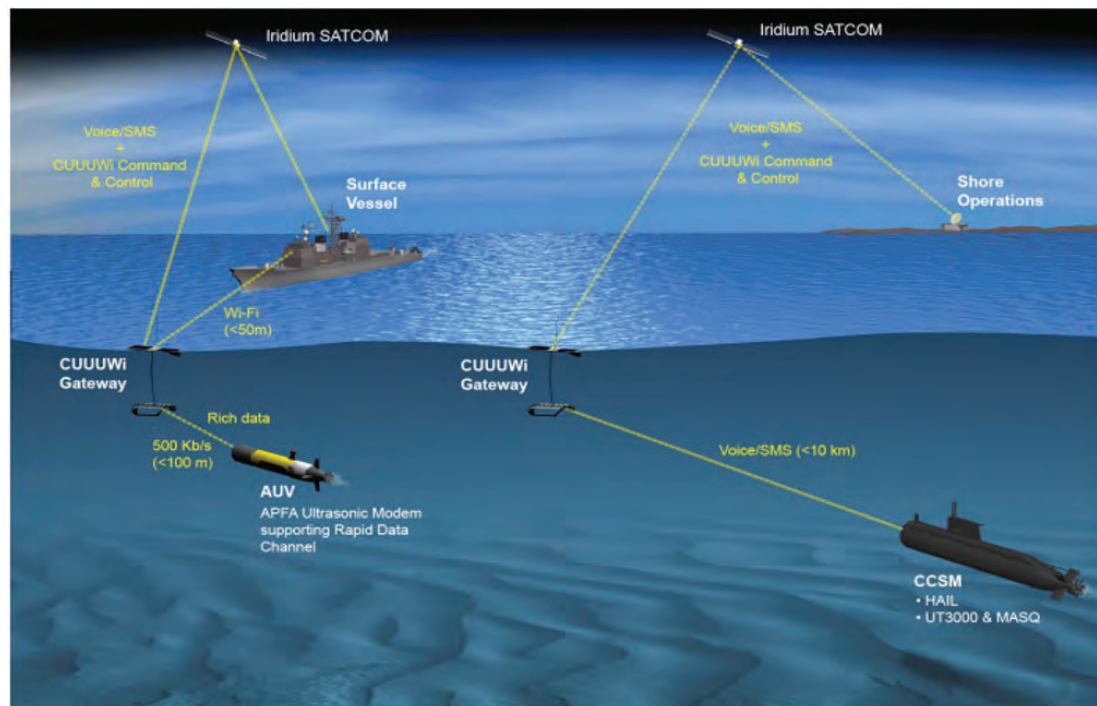
Availability   3 - 6 months.

Website: www.l3harris.com

RF Design, Engineering and Manufacture

L3Harris designs, manufactures, integrates and sustains high-reliability Electronic Warfare components and subsystems using wideband radio frequency (RF) and photonic technology to detect, guide and protect in extreme operating environments.
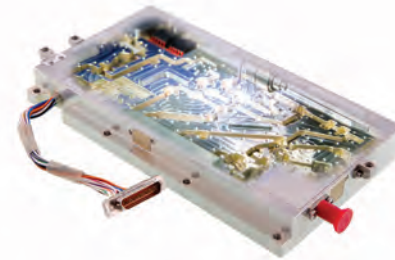
Availability   Designed and manufactured to order.

Voice C2 Red/Black VCS

VOICE C2 Red/Black voice communication system (VCS) provides air defence operators with nationwide access to all assets, including simultaneous access to multiple security domains (secure/non-secure) via a single headset and touchscreen. It provides conferencing and communication with air-to-ground and ground-to-ground assets such as fixed telecommunications, mobile devices, and radios. The isolation of secure and non-secure voice and data communications is achieved through streamlined switching equipment, tested to the TEMPEST requirements of NSTISSAM 2/95.

Availability   3 - 6 months.

Contract manufacture and sustainment of military-grade electronics

L3Harris can manage the manufacture of military-grade electronics from specification to development, through to full-rate production in low or high volumes. With over 15 years' experience managing complex and high risk technical projects, they can engineering assistance and full project management services including production planning, component procurement, scheduling, subcontract management, environmental qualification testing, sustainment, and complex logistics coordination.
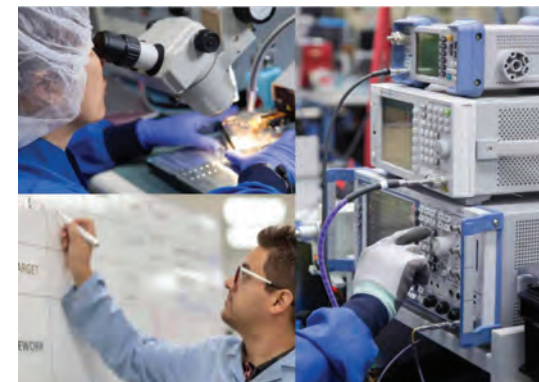
Availability   Designed and manufactured to order.

Luerssen Australia Pty Ltd

Design | Engineering | Ship Building

Company Brief

Luerssen Australia brings around 150 years of shipbuilding and sustainment knowledge to Australia, as the Prime Contractor for the Arafura Class Offshore Patrol Vessels. Backed by the generations of experience of Naval Vessels Lürssen (NVL) has in ship design and construction, Luerssen Australia can offer naval vessel designs that can be built in Australia for customers through the Pacific, Middle East and South East Asia.

Offshore Patrol Vessel – OPV 80

The OPV 80 is a capable Offshore Patrol Vessel (OPV), based on a mature design with proven capabilities. It is constructed in Australia with Luerssen Australia providing the design, management and project supervision. The OPV 80 provides tailored performance and mission equipment, including a mission deck and landing decks allow for flexible installation of further systems and modular mission equipment.

Availability   Designed and manufactured to order.

Website: www.luerssen.com.au

Supacat

Engineering | Through-Life Support | Vehicles & Accessories

Company Brief

Supacat specialises in the design and development of high mobility defence vehicles with over 1000 battle proven vehicles delivered into service, with special forces globally. Established in Australia in 2012 the business is now a recognised compact prime, delivering development, acquisition and through life support programs to Australian Defence and global defence primes.

Engineering Services

Supacat also provides engineering services to a range of customers within Australia, Asia and Europe. Its core capabilities include platform and system integration design, prototype development and high end dynamic structural analysis. Supacat is a tier 1 partner to Rheinmetall Defence Australia on the Land 400 Phase 2 Program and is entrenched within RDA at multiple levels. Our key contributions include the design and manufacture of sub systems for the BOXER Combat Reconnaissance Vehicle.

Availability   Designed and manufactured to order.

Website: www.supacat.com

Saab Australia

Communications | Engineering | Logistics | Medical | Ship Building | Through-Life Support

Company Brief

Saab Australia is a defence, security, health and cyber solutions provider specialising in the development and integration of command and control systems. With over 700 experienced staff and a reputation for achieving mission critical complex systems integration projects, Saab Australia has proven its capabilities over more than 30 years, and is leading research and development for Australia's critical infrastructure.

Deployable Health Solutions

Saab's deployable health facilities and basing solutions offer comprehensive patient management, medical care and total field infrastructure. The Saab-led team will deliver more than 550 deployable medical modules for JP2060-3, including surgery, ICU, wards, dental, pharmacy, pathology, diagnostic imaging, oxygen supply as well as staff headquarters amongst others. Saab's deployable health solutions are also applicable for naval vessels. With a Deployable Health Support Centre and Global Centre of Excellence, Saab provides comprehensive maintenance and support tailored to the needs of the customer, and to the global supply chain for field hospitals.

Availability Designed and manufactured to order.

Website: saab.com.au

AusCMS

Saab's Combat Management System, the AusCMS, provides situational awareness and decision superiority for all classes of vessel from landing helicopter docks through to frigates, submarines and offshore patrol vessels. The system is an open architecture design which is scalable across all these platform types providing full integration, correlation, threat processing and engagement through integration with customer selected sensors and weapons.

Availability Designed and manufactured to order.

OneView

OneView is a complete security solution that significantly improves the response process to security crises. With accurate situational awareness, communication and response management, Saab Australia put the control back in the control room. The core functions and applications of the OneView system cover security/safety resource management, critical communication and physical security information management. By integrating existing security systems with management systems into a seamless situational awareness view, the OneView system provides one comprehensive user interface.

Availability Designed and manufactured to order.

Thales Australia

Autonomous Systems | ICT & Cyber | Manufacturing | Through-Life Support | Vehicles & Accessories | Weapons & Ammunition

THALES
Building a future we can all trust

Company Brief

Thales Australia is a trusted partner, providing indispensable support to the Australian Defence Force and its partners. Thales invests to build advanced in-country capability across manufacturing, critical systems and services, and supply chain. Close collaborative relationships with local customers, Australian SME suppliers and research institutions, combined with technology transfer from Thales' global business enables high quality tailored solutions for Australian and export markets.

Bushmaster & Hawkei Vehicles

Bushmaster and Hawkei vehicles offer protection, mobility and payload in a versatile, multi-role platform. Bushmaster has operationally-proven ballistic, mine and IED resistance, and delivers high levels of protection and survivability for up to 10 occupants. Over 1,250 Bushmasters are in service with the ADF and defence forces of eight other nations. The Hawkei has entered service with the ADF and is a light, versatile and fully C4I integrated vehicle. Hawkei can operate in high threat environments, with the payload and power to offer a truly multi-role platform for up to 5 occupants.

Availability   6+ months.

Website: www.thalesgroup.com.au

Australian Combat Assault Rifle (ACAR)

The new AR platform delivers high quality, reliability and mission flexibility for defence and law enforcement. Range of barrel lengths, from short to long, 9.5" to 20". Other features include, Suppressor compatible, Adjustable stock with built-in accessory rail, Fully ambidextrous controls, NATO rails for integration of optics and accessories. Available in Rifle Calibres 5.56mm/300BLK and 7.62 x 51. All rifles incorporate a Lithgow Arms cold hammer forge barrel for improved strength and service life and can be manufactured to suit customer preferences for finish, material, twist rate and rifle configuration.

Availability   3 - 6 months.

Towed Sonars

BlueSentry Thin Line Towed Array supports Anti-Submarine Warfare and Maritime Domain Awareness for Surface and Sub-Surface platforms. Combined Influence Sweep was developed with Australian Defence Science & Technology Group and Royal Australian Navy, and deployed across 11 navies. It comprises a magnetic, acoustic and electric multi-influence sweep; a mine jammer for time limited missions; a sweep tracker monitor system; mission planning support system software; ECDIS based minesweeping navigation and control system; and integrated logistics support services. The CIS provides naval forces with the capability to detonate hostile sea mines.

Availability   3 - 6 months.

Small Arms Ammunition Components and Propellants

Thales, Australia's largest manufacturer of munitions, propellant and military explosives, produces large calibre and small arms ammunition and components to NATO STANAG requirements. Component designs can be manufactured to suit specific customer requirements. 5.56 mm, 7.62 mm, .50 cal, 300 Blackout, 81mm Mortar components, 105mm components, 4.5" and 5"/ 54 Naval components, manufacture of Forged Steel Projectile Bodies, Large Calibre Case and Primer Manufacture. Explosive Ordnance Services safely delivers explosive ordnance logistics, transport distribution, storage, maintenance, training and disposal.

Availability   6+ months.

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Section Four

1. Capability Needs

AML3D
Asension
Force Ordnance
GCPD Arms
Kinetic Effects Australia
Kord Defence
Moog Australia
NIOA
Pacific Aerospace Consulting
PLEXSYS
Rheinmetall NIOA Munitions
W&E Platt
Wedgetail Industries

A Defence Export Permit may be required for the products and services shown on each of the following pages

AML3D

Manufacturing | Research & Development | Robotics | Ship Building | Space Capabilities

Company Brief

AML3D (est. 2014) is the original equipment manufacturer of ARCEMY® industrial metal 3D printers. Using a patented Wire-arc Additive Manufacturing process (WAM®) and proprietary software WAMSoft® and AMLSoftTM. ARCEMY® provides Defence and suppliers to defence with a manufacturing solution that is capable of metal 3D printing parts stronger, faster and greener than traditional methods.

ARCEMY® X Edition

ARCEMY® X features an impressive 3.2 m reach employing a 6700 robotic arm. With a minimum safe print area of 500mm wide by 500mm long, and a maximum print area of 1.8m x 1.8m, the ARCEMY® X provides greater working range perfect for Wire-arc Additive Manufacturing. Unlike other systems in the market, ARCEMY® operates in an open-air environment and is fully customisable to suit specific parts or customer requirements. ARCEMY® X configuration is not restricted and AML3D can architect a solution to suit.

Availability   6+ months.

Website: aml3d.com

Asension

Electronic Warfare | Engineering | Intelligence, Surveillance & Reconnaissance | Research & Development

Company Brief

Asension develops novel and effective solutions to sophisticated electromagnetic spectrum challenges faced by the Australian Defence Force and the Defence industry.

Wombat Smart Sensor Suite

Asension's Wombat systems aid in spectrum monitoring and interference management. The 19" Rack Mounted Transceiver (pictured top) fits standard server cabinets, while the K-NX (pictured bottom right) meets USSOCOM Modular Payload Standards and is 2U compatible. Both offer intuitive Wombat Spectral software, high-speed monitoring, and support SoapySDR and RF Engine APIs. Details at asension.com/products/wombat

Availability   <3 months.

Website: asension.com

Force Ordnance

Engineering | Manufacturing | Optical | Research & Development | Vehicles & Accessories | Weapons & Ammunition

Company Brief

As a part of Lightforce Group, Australian owned Force Ordnance continues over 40 years of excellence in precision manufacturing, engineering, and innovation resulting in high-precision, battle-proven small-arms solutions for all government agencies.

QTD2 Take Down Sniper Rifle

The APRS QTD2 provides the accuracy expected of a custom bolt action rifle but with the unprecedented versatility of a unique take-down system. With this technology the weapon can break down into small easily concealable groups and return to zero with the use of one tool. It also provides the versatility of multiple barrel and calibre configurations in the one platform.

Availability   Designed and manufactured to order.

Website: www.forceordnance.com

GCPD Arms

Field Equipment | Weapons & Ammunition

Company Brief

GCPD makes innovative, premium grade precision rifles, that are lightweight, highly modular, and reconfigurable for mission adaptability, with ultimate precision. GCPD's chassis system and unique QTD system enables the development of systems that deliver outstanding accuracy and lethality at all ranges. GCPD designs and manufactures solutions tailored to user requirements, rather than offering OTS systems. GCPD is willing to facilitate in-country manufacture under licence.

AMAP QTD MC Sniper System

The GCPD AMAP (Anti Material Anti-Personnel) provides flawless performance and superior mission adaptability at ranges not possible with a .338 sniper system. The unique Quick Take Down system pioneered by GCPD in 2018, makes the AMAP one of the very best and most unique QTD Multi Calibre sniper systems available. Designed for extreme range operation (2500m), the AMAP in .375 Cheytac delivers 80% more energy and 1000m more supersonic range than .338 systems, at a weight 40% less than .50 BMG rifles - with even more lethal .408 Cheytac and .416 Barrett calibres for specialised missions.

Availability   3 - 6 months.

Website: www.gcpdarms.com

Kinetic Effects Australia

Intelligence, Surveillance & Reconnaissance | Manufacturing | Research & Development | Through-Life Support | Unmanned & Counter Unmanned Systems | Weapons & Ammunition

Company Brief

Kinetic Effects Australia provides a range of kinetic products and non-kinetic services across all of the domains, enabling the Australian Government to provide the requisite desired effects. Kinetic Effects Australia has a range of products and services to equip and support the Australian Defence Force and Law Enforcement.

Precision Long Range Muntions

Kinetic Effects Australia has capabilities to develop precision long range munitions that delivers consistently elevated levels of accuracy and lethality for sniper and designated marksmen weapon systems. These capabilities include the design, prototyping, testing and manufacture of sniper and designated marksmen munitions and munition components.

Availability 3 - 6 months.

Website: www.KEAus.com.au

Kord Defence

Communications | Design | Engineering | Manufacturing | Research & Development | Weapons & Ammunition

Company Brief

Kord Defence is a private technology company based in Australian Capital Territory. It is a world leader in the provision of interface control solutions for operators in the Defence and Law Enforcement markets. Kord designs, develops and produces programmable, push-button control systems that enable operators to keep "head up, eyes on target, hands on weapon" ®. The patented technology helps people in hazardous and stressful situations to operate their increasingly complex electronic equipment quickly and safely

Rifle Accessory Control Unit (RACU) System

The Rifle Accessory Control Unit (RACU) System offers a programmable, centralised point of control for weapon-mounted and body-worn electronic devices (including radios). It provides the means to functionally integrate both current and future Soldier Systems – simply and safely. It is available in several form factors to suit different weapon platforms and applications. It is a cutting-edge capability, light (160 g), power efficient and simple to learn.

Availability 3 - 6 months.

Website: kord.business

Moog Australia

Engineering | Maintenance Repair Overhaul (MRO) | Manufacturing | Research & Development | Vehicles & Accessories | Weapons & Ammunition

Company Brief

Moog is a global supplier delivering motion control and electronic solutions to the military. With a heritage in Defence dating back to the early 1950s, Moog's customers recognise us for accurate weapon systems, fast ammunition handling, precise steering control of missiles, and near silent actuation for submarines. Moog Australia was established in 1979, is a wholly owned subsidiary of Moog Inc.

Flexible Mission Platform (FMP)

The Flexible Mission Platform (FMP™) is a payload, mission, and platform agnostic system. FMP allows users to host the weapon, sensor, or other mission package of their choice from the vehicle, ship, container, or trailer of their choice. FMP is built around Moog's world-renowned military motion control technology. Options include integration of Moog's high-performance stabilization and weapon stores management systems (SMS), providing missile firing capability to suit any mission.

Availability Designed and manufactured to order.

Website: www.moog.com.au

NIOA

Design | Engineering | Manufacturing | Through-Life Support | Weapons & Ammunition

Company Brief

NIOA is a weapons and munitions provider. NIOA delivers products to defence, law enforcement, and commercial markets globally. The addition of Barrett Firearms in 2023 strengthens its international presence. NIOA is the primary contractor for Tranche 1 of the LAND 159 Lethality Systems Program and supplies over 60 key ADF munitions through the Major Munitions Contract (MMC). The Australian Missile Corporation, part of NIOA, supports establishing a sovereign guided weapons manufacturing industry.

Firearms, Weapons, Munitions and Technical Support

NIOA is a leading provider of firearms, weapons, munitions and technical support for critical defence programs. NIOA plays a pivotal role in the management of a substantial portion of the Australian Government-owned munitions manufacturing facility in Benalla, Victoria. Additionally, we have established a world-class artillery shell forging plant in Maryborough, Queensland, through a joint venture with Germany's Rheinmetall.

Availability Designed and manufactured to order.

Website: defence.nioa.com.au

Pacific Aerospace Consulting

Communications | ICT & Cyber | Through-Life Support | Training & Education

Company Brief

Pacific Aerospace Consulting (PAC) is an award-winning company with 20 years' experience providing bespoke network solutions, mission systems, and end-to-end support for Defence and commercial aviation training systems across Aus and US. PAC is a trusted partner with a reputation for providing innovative solutions to meet client needs. Guided by its values of integrity, professionalism, and flexibility, PAC infuses these principles into every aspect of its work.

Cyber Security Assessment & Audit Services

PAC provides both CMMC Level 1 & 2 Services and IRAP Assessments. These certifications are a mandatory requirement for any company looking to enter the US or Australian Defence market respectively. PAC's cyber security team have a multifaceted background in Government, Defence and commercial security domains. This experience, coupled with an operational focus, allows them to understand the delicate balance between system security and functionality, establishing the most comprehensive and user-focused security solutions possible.

Availability <3 months.

Website: pacificaerospaceconsulting.com.au

PLEXSYS

Communications | Electronic Warfare | Intelligence, Surveillance & Reconnaissance | Space Capabilities | Unmanned & Counter Unmanned Systems

Company Brief

The focus of PLEXSYS Australia is serving the needs of the Australian Defence Force and enhancing and enabling the best readiness for personnel by making training better and assisting in inspiring future growth in Live, Virtual and Constructive Training technologies. PLEXSYS core values; Integrity, Excellence, Teamwork, and Agility, drive everything our company does.

Exercise Support

PLEXSYS has a proven track record in providing exceptional support for military Live Virtual and Constructive (LVC) exercises. PLEXSYS has a team of experts who are well-versed in the latest LVC technologies and methodologies, ensuring seamless integration and realistic training scenarios. PLEXSYS has successfully supported military exercises, enabling participants to enhance their skills, improve decision-making abilities, and effectively prepare for real-world missions.

Availability <3 months.

Website: www.plexsys.com

Rheinmetall NIOA Munitions

Design | Engineering | Manufacturing | Test Equipment | Weapons & Ammunition

Company Brief

Rheinmetall NIOA Munitions (RNM) is a joint venture between Rheinmetall Waffe Munition GmbH (RWM) and NIOA. RNM has constructed and commissioned a greenfield munitions forging facility to forge and finish large calibre projectile shells for 155mm artillery munitions, and metal parts for other munitions related products.
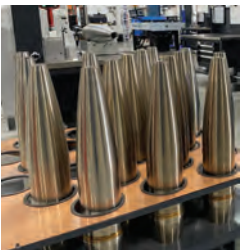
Large Calibre 155mm Projectile Parts Manufacture

The RNM forging facility utilises state-of-the-art technology, precision machinery and advanced manufacturing processes. Manufacturing operations performed at the facility include forging, machining, nosing, heat-treating, welding, phosphating and painting, as well as extensive quality control/quality assurance including destructive and non-destructive testing. RNM's manufacturing capability has the unique ability to produce the most complex artillery shells and multi-piece munitions. The onsite team specialise in producing large calibre ammunition component designs delivered to meet customer requirements and specifications.

Availability Designed and manufactured to order.

Website: www.rheinmetall-defence.com/en/rheinmetall_defence/company/divisions_and_subsidiaries/rheinmetall_nioa_munitions/index.php

W&E Platt

Design | Engineering | Manufacturing | Research & Development | Unmanned & Counter Unmanned Systems | Weapons & Ammunition

Company Brief

W&E PLATT is a global leader in combat-focused weapon mounts and defence products for military vehicles and naval vessels. Platt's customisable, quality-controlled solutions constantly deliver performance and reliability. The company collaborates with customers, to analyse and manage the design, manufacturing, installation; and ILS for a wide array of defence solutions. Designed using in-house Solid Edge 3D CAD and FEMAP enables W&E Platt to offer innovative and broader solutions including rapid prototyping and testing.

Platt Weapon Mounts & Ordnance

W&E Platt weapon mounts are combat-proven products known worldwide. The Platt Ring Mount is a one-man lightweight, low-profile, versatile weapon station designed to suit various military vehicles. The system is fully scalable to meet the needs of modern warfare and has proven to be reliable and highly functional in the most demanding and diverse operational conditions. The portfolio includes MR, FW, and TD series capable of mounting various weapon platforms

Availability Designed and manufactured to order.

Website: www.plattmounts.com

Wedgetail Industries

Weapons & Ammunition

Company Brief

Wedgetail Industries is an Australian based manufacturer of suppressors, small arms and accessories. Products include reduced blowback suppressors designed specifically for military small arms and high quality AR type rifles chambered in 5.56x45, 300 Blackout and 7.62x51 cartridges.

Ninox Suppressors

Wedgetail Industries' Ninox suppressors use advanced technology and innovation to provide best in class signature reduction. All suppressors are built for professional use and are designed to ensure maximum durability, light weight, and minimal POI shift. Ninox suppressors also feature proprietary reduced blowback technology to ensure optimum function without modification to the host weapon. Ninox suppressors are suitable for a wide range of small arms and long range precision applications.

Availability <3 months.

Website: www.wedgetailindustries.com

ICT & Cyber
Intelligence, Surveillance & Reconnaissance

Section Four

2. Communications

archTIS
Arlula
AVI
AVT Australia
Barrett Communications
Blacktree Technology
C4i
CBG Systems
CISTECH Solutions
Clearbox Systems
Cocoon Data
Codan | Domo Tactical Communications
Cogito Group
CyberMetrix
Datapod
Defence Communications Industry
Diamond Defence
DUG TECHNOLOGY
EM Solutions
Fivecast
Future Fibre Technologies
Indra Australia
Janusnet
Jet Aviation Australia
Malware Security
MicroSecure Northwest Group
Operational Systems
Optic Security Group
Penten
Prophecy International
QuintessenceLabs
Red Piranha
S2IX
ZCG Scalar Antennas
Zone APS

A Defence Export Permit may be required for the products and services shown on each of the following pages

archTIS

Communications | ICT & Cyber | Intelligence, Surveillance & Reconnaissance

Company Brief

archTIS is a global provider of innovative data-centric information security software designed to protect sensitive/classified content for Government, Defence and Defence Industry. Kojensi is an accredited platform for the secure collaboration of sensitive information, up to PROTECTED as a SAAS platform and at higher security classification on-premises. NC Protect provides granular access, usage and sharing control of sensitive content across Microsoft 365, SharePoint & Windows File Shares.

Kojensi

Government accredited protected platform for compartmentalised classified information collaboration and sharing. For Defence, Defence Industry, and Intelligence agencies who need the ability to share sensitive/classified or export control material externally with partners, Kojensi provides a government accredited platform for secure compartmentalised sharing and document collaboration up to PROTECTED. It is also available on-premises at higher security classifications.

Availability <3 months.

Website: www.archtis.com

Arlula

Communications | ICT & Cyber | Intelligence, Surveillance & Reconnaissance | Space Capabilities

Company Brief

Arlula is an Australian space tech company creating the infrastructure and automation that allows users to procure and manage Earth Observation (EO) data at scale. Arlula's Geostack platform is the ultimate tool for connecting EO data from orbit to end users. Arlula facilitates rapid data delivery which reduces the time it takes to procure and manage satellite data. This enhances situational awareness and improved decision-making capabilities for government and defence agencies.

Geostack Terravices

Geostack Terra is a consolidated platform for automation and collaboration of earth observation (EO) data at scale. It is a secure and adaptable data management solution designed to power critical decision making. It simplifies the procurement, management, and standardisation of datasets from multiple satellite operators, allowing end users to focus on their core mission rather than data management. The user-friendly interface and comprehensive features speed up critical decision making.

Availability <3 months.

Website: www.arlula.com

AVI

Autonomous Systems | Communications | Engineering | ICT & Cyber | Manufacturing | Space Capabilities

Company Brief

AVI designs, develops and manufactures specialised communication systems and critical components for military, mining, security and space applications. AVI's innovative hardware and agile technology solutions are providing capabilities globally for autonomous vehicles and networked battle systems, thriving in harsh conditions. The company's physical and software-defined solutions have the capability to transform to different missions in all domains.

Communications for Zero-Fail Environments

AVI's high-assurance hardware and trusted software solutions are engineered and manufactured in Australia to offer performance and survivability on the battlefield. AVI's end-to-end supply chain traceability, complete in-house manufacturing, specialised testing capabilities, advanced training delivery, through-life support and maintenance programs ensure peak system operability. Offering a complete design-to-delivery in-house solution our communications products conform to the most stringent standards.

Availability Designed and manufactured to order.

Website: avi.com.au

AVT Australia

Artificial Intelligence | Design | Engineering | Intelligence, Surveillance & Reconnaissance | Research & Development | Unmanned & Counter Unmanned Systems

Company Brief

AVT Australia is a supplier of lightweight, gyro-stabilised imaging systems for intelligence, surveillance, and reconnaissance (ISR), and target acquisition operations. AVT Australia is recognised for its expertise in advanced engineering services. AVT Australia is a trusted supplier of imaging solutions for its Australian defence customers and international customers, with systems supporting airborne, ground, and maritime operations in over 50 countries.

CM62

The CM62 is a lightweight aerial ISR technology, combining HD EO and crisp LWIR imagery in a compact, 260g package. For long range object detection and identification, the CM62 delivers 50x EO zoom to facilitate a long stand-off distance. The CM62 also provides additional digital zoom for both EO and LWIR sensors. With onboard video processing, and a compact total system weight of just 260g, the CM62 is a powerful solution for sUAS operations. The IP67 rating facilitates greater flexibility in deployment and operation.

Availability <3 months.

Website: www.ascentvision.com.au

Barrett Communications

Communications | Field Equipment | Manufacturing

Company Brief

Established in 1976, Barrett Communications design and manufacture HF and Low Band VHF radio equipment for supply to military, government, critical infrastructure, Non-Governmental Organisations and peacekeeping organisations. Barrett's business model allows the agility to provide customised solutions to end users whilst also providing large scale communications solutions to support the modernisation programs of defence forces. Barrett has customers in over 150 countries.

Barrett PRC-4090 Tactical HF SDR

The Barrett PRC-4090 tactical HF Software Defined Radio (SDR) covers the 1.5MHz to 30MHz frequency range. Weight is 3.15kg, battery options offer a gross weight from 4.1kg to 5.65kg. Configurations include man-pack, mobile and base station with selectable power outputs of 10-150 W. Standby current consumption is 250mA, operation time is up to 64hrs in RX and up to 21hrs RX/TX at 90/10 duty cycle. It offers multiple languages and IP network connectivity. The SDR architecture provides software control of RF modulation and bandwidths.

Availability   <3 months.

Website: www.barrettcomms.com

Blacktree Technology

Communications | Design | Engineering | Manufacturing | Space Capabilities | Through-Life Support

Company Brief

Blacktree Technology are communications specialists, delivering a range of satellite and terrestrial communications systems. Blacktree designs, engineers, manufactures, installs, commissions, and maintains a variety of RF systems for military and commercial applications covering both (UHF) and wideband SATCOM. A core capability is the OEM of a range of UHF Satcom components suitable for use as simple terminals or turnkey delivery of complex multicarrier anchor stations for domestic and international clients.

SRR-01 UHF Helical Antenna

The SRR-01 UHF Helical antennas are a ruggedized antenna that has been optimised to support full-duplex systems to minimise the potential for noise. The SRR-01 is a right hand circularly polarised 11-turn helical antenna. Coupled with the DSE01 diplexer and PED-03 (manual) or PED-04 (remote control) pedestals, the system forms a complete ground station antenna system. A single helical antenna provides an overall gain of 14dBi. Whilst the dual phased antenna array helical antenna will provide an overall gain of 17dBi.

Availability   3 - 6 months.

Website: blacktree.com.au

C4i

Communications | Engineering | ICT & Cyber

Company Brief

C4i is a secure communications specialist with its own dedicated integration lab and several defence security accreditations. C4i is the OEM of the VOICE C2 product and offers engineering capabilities for systems, software, hardware and integration. C4i's cyber is already a trusted supplier for major defence organisations. C4i solutions provide Air and Ground cross communications for the air force, army, marines and navy. Existing deployments in 40 countries for more than 100 customers, with major programs in the Five Eyes countries.
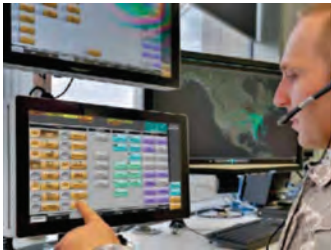
VOICE C2 - Secure Comms System

VOICE C2 is a scalable and secure Voice Communication System (VCS) providing integrated communication with air- to-ground and ground-ground assets including tactical radios, and fixed and mobile communications devices. With an extensive radio device controller library, the product is compatible with a wide range of defence radios. Flexible hardware options range from single position deployable 20kg systems, through to large scale dual domain (Red/Black) command centres with hundreds of operators.

Availability   <3 months.

Website: www.c4i.com/en/node/1

CBG Systems

Communications | Design | Electronic Warfare | Engineering | Manufacturing | Research & Development

Company Brief

CBG Systems is an Australian company specialising in the design and manufacture of Moonraker antenna systems and the supply and installation of fire, thermal and acoustic insulation, as well as innovative multispectral camouflage solutions. For more than 40 years CBG Systems has been a leading innovator, setting benchmarks in the marine insulation, communications and lightweight passive fire protection industry.

Moonraker Antennas

Moonraker designs and manufactures high quality, high performance, ruggedised antenna solutions for extended service life in extreme environments. Moonraker's diverse range combined with R&D capability, flexible manufacturing facilities and short lead times ensures rapid and customised solutions to complex communications challenges. Moonraker offer a broad range of conventional and unique communication solutions for Marine, Defence and Land based applications across the LF, MF, HF, VHF, UHF and SHF frequencies.

Availability   <3 months.

Website: www.cbgsystems.com

CISTECH Solutions

Communications | Field Equipment | ICT & Cyber | Intelligence, Surveillance & Reconnaissance

Company Brief

CISTECH Solutions' core business is Radio-over-IP (RoIP). Products include rugged radio gateways which integrate conventional radios and RoIP networks, allowing voice communications between radio users and PC based users on a network. CISTECH also creates console software that integrates with the hardware, as well as Persistent Systems MANET radio solutions. CISTECH consoles provide a single pane-of-glass for RoIP voice, video situational awareness and system management within the MANET system.

Two-Port Radio Gateway

The CISTECH Solutions two port radio voice gateway (GV1-2020) is a ruggedised portable radio gateway that provides a two port Land Mobile Radio (LMR) port to connect voice radios to IP networks. Connect two disparate voice networks and extend those networks back into the enterprise, all in a single deployable chassis. The simple handset can control, communicate and configure the GV1-2020 in the palm of your hand.

Availability <3 months.

Website: www.cistechsolutions.com

Clearbox Systems

Communications | Electronic Warfare | ICT & Cyber | Intelligence, Surveillance & Reconnaissance | Research & Development | Through-Life Support

Company Brief

Clearbox helps militaries better harness Communications Networks and the Electromagnetic Spectrum to achieve a warfighting effect. Clearbox deploy military software and hardware solutions across SATCOM, Space Domain Awareness, ISREW and Secure Communications (including cryptographic solutions) by specialising in Equipment and Sensor Monitoring and Control; Spectrum Monitoring and Management; Network Management and Operational Support Systems; and Heterogeneous Signal Processing Systems.

Spectre

Spectre is a range of RF Electronics products enabling Heterogeneous Signal Processing Systems. Clearbox RF products digitise RF and provide the stream efficiently to the customer's target compute environment for processing. This provides an open, non-proprietary method for RF signal processing. The products include various levels of RF TX and RX capability and on board timing, wireless comms, CPU and battery back power. Deployments are typically SIGINT/ELINT, distributed and/or mobile ISREW and high data rate communications - including implementation of various military protocols.

Availability <3 months.

Website: clearboxsystems.com.au

Cocoon Data

ICT & Cyber | Intelligence, Surveillance & Reconnaissance

Company Brief

Cocoon Data is a provider of ultra-secure file sharing solutions. The cloud-based platform supports teams that share data within the world's most stringent compliance environments. Cocoon Data are working with Australian Defence industry and are a provider of ITAR and CMMC compliance solutions to those working in the US. The capabilities are deployable to organisations of any size and background within minutes. Cocoon Data's mantra is Security with Simplicity, Compliance without Complexity.

Cocoon Data

Cocoon Data has been designed by military minds, and the patented 'Secure Objects' technology means that every single file in the Cocoon Cloud has a unique encryption key. Geofencing allows the client to set virtual perimeters, which users can only access files from within. Time based access control means documents can be stamped with a date and time in which they needed to be viewed, before access is locked, and the multi tenancy deployment enables the client to control access by subsidiaries, business units or departments.

Availability <3 months.

Website: cocoondata.com

Codan | Domo Tactical Communications

Autonomous Systems | Communications | Engineering | Manufacturing | Through-Life Support | Unmanned & Counter Unmanned Systems

Company Brief

Codan Communications designs, manufactures and supports a comprehensive range of high-TRL communications solutions, including MANET MESH Personal and Beyond-Line-of-Sight (BLOS) HF Radios. Codan has over 60 years of history supporting customers across some of the harshest environments on earth, with exports into 150 countries.

Sentry Product Family

Codan's flagship Sentry SDR range affords the warfighter a tactical advantage through waveform performance, interoperability, and long battery life. Our Sentry Mesh 6161 brings self-forming/healing IP network connectivity to the tactical edge, providing voice, video and situational awareness as well as enabling advanced Machine Learning / Artificial Intelligence. Our Sentry-H 6110/6120 delivers secure long range BLOS voice / data communications in a MIL certified compact, rugged and firmware upgradable platform.

Availability Designed and manufactured to order.

Website: www.codancomms.com

Cogito Group

ICT & Cyber

Company Brief

Cogito Group is a cyber security company, with a reputation for producing innovative ICT security solutions on time and on budget. Cogito Group is committed to innovation and agile delivery methods, and provides military-grade cyber security solutions and support, including specialised software, hardware, as a service, and professional services to the Australian Defence Force and New Zealand Defence Force.

Jellyfish

Jellyfish is a cyber security command and control platform designed to enhance Cyber-Situational awareness. Jellyfish capabilities include Identity management, access management, mobile device management, credential management, protected data store, and much more.

Availability Designed and manufactured to order.

Website: cogitogroup.net

CyberMetrix

ICT & Cyber

Company Brief

CyberMetrix® is a digital technologies company that specialises in developing innovative solutions that address large scale cyber risk management problems. The diverse range of experience and pragmatic problem-solving ability results in the development of frictionless, turn-key solutions that empower and protect our clients. CyberMetrix's goal is to make it easier for all individuals, businesses and governments to improve their cyber resilience.
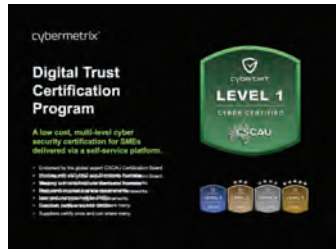
Digital Trust Certification for SME Suppliers

CyberMetrix's Digital Trust Certification Program is a simplified approach to managing SME supplier cyber risk and hygiene. CyberMetrix's Digital Trust Certification Program is delivered as a managed service solution for organisations with supply chains from 20 to 200,000 SME suppliers. CyberMetrix's Digital Trust Certification Program is ideal for any organisation with a regulatory requirement to assess and manage third party cyber risk.

Availability 6+ months.

Website: cybermetrix.com.au

Datapod

Artificial Intelligence | Communications | Electronic Warfare | ICT & Cyber | Intelligence, Surveillance & Reconnaissance | Through-Life Support

Company Brief

Datapod manufacture scalable modular datacentre facilities including site infrastructure and preparation, with capacity for several to hundreds of computer racks in a facility that can be deployed anywhere. Datapod systems achieve the highest Physical Security ratings and can accommodate government classifications. For permanent C4ISREW mission systems requiring massive storage and processing, or temporary FOB applications, the Datapod system enables data storage and processing in an EMSEC-optimised environment.

The Datapod System

Datapod systems are standardised modules which can be deployed anywhere, typically permanently, to provide a timely, scalable and fit-for-purpose IT system facilities. Datapod systems have a usable life expectancy of many decades but can be moved or repatriated after their initial requirement expires. Datapod's design, build and deployment capability extends to the full site construction, power, cooling, racks, communications cabling, fire systems and security fitout, as well as ICT systems deployment.

Availability 6+ months.

Website: www.datapod.com.au

Defence Communications Industry

Communications | Field Equipment | Through-Life Support

Company Brief

Defence Communications Industry (DCI) is a niche capabilities company, designing, manufacturing and supporting specialist data links products, with an outstanding 20+ years track record with Australian and other defence organisations. DCI is a Defence Recognised Supplier, and has won Australian industry awards for outstanding product innovation and industry contribution. DCI is a 100% Australian owned and operated small business with full product IP ownership.

P4 / P2 — Data Links over copper 'D10'

P4/P2 provides transparent and secure network extensions to 60MBs over 10kms - using wire 'D10' as a 'soldier friendly' alternative to fibre optics - reducing infrastructure costs and logistics load to 90% - excels in harsh terrain and areas where radio signals do not propagate - extending any IP (Ethernet) network data fast and reliably such as from HQ to remote operating bases, combat support elements, coalition to/from government agencies - power redundancy with DCI designed, high efficiency, portable solar panels: 50, 75 and 100W variants.

Availability 3 - 6 months.

Website: www.defence-comms.org

Diamond Defence

Communications | Electronic Warfare | Manufacturing | Optical | Space Capabilities | Training & Education

Company Brief

Diamond Defence design and manufacture fibre optic, electrical and hybrid cable harness assemblies. Diamond Defence is the only sovereign company that is certified to AS9100D for the manufacture of fibre-optic and hybrid cable assemblies. Diamond Defence welcomes low initial volume custom product development projects.

Fibre Optic cable assemblies

Diamond Defence designs and manufactures ruggedised, MIL-STD and COTS fibre optic cable assemblies.

Availability   <3 months.

Website: www.diamond-defence.com

DUG TECHNOLOGY

Artificial Intelligence | ICT & Cyber | Intelligence, Surveillance & Reconnaissance | Research & Development | Space Capabilities | Unmanned & Counter Unmanned Systems

Company Brief

DUG's green, high performance computing as a service (HPCaaS) offers users the opportunity to use almost two decades of experience and expertise. DUG owns and operates one of Australia's most powerful commercially owned and operated supercomputers. Utilising DUG's patented immersion cooling technology and HPC capabilities enables significant, rapid development of all simulation, modelling, algorithm, code, general science, and all computing requirements.
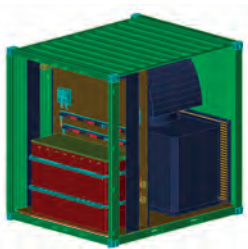
Deployable High Performance Computer

DUG's patented immersion cooling technology is based on 19 years of High Performance Computer (HPC) and 9 years of immersion cooling experience. This, compared to a traditional super computer, uses approximately 10% of the space and 10% of the power to provide double the compute performance in a cost effective manner. All whilst being non-harmful to the environment using biodegradable oil and water. Available in a 10', 20', or 40' shipping container.

Availability   3 - 6 months.

Website: dug.com

EM Solutions

Communications | Manufacturing | Optical | Ship Building | Space Capabilities | Through-Life Support

Company Brief

EM Solutions has been developing maritime satcom terminals for over 10 years with a vertically integrated capability supporting the development, engineering, verification, manufacturing, support, and sustainment of Naval Milsatcom X/Ka Multiband Platforms developed in collaboration with the Australian Defence Force. These platforms reflect best practice design, capability and functionality required to support future naval communications needs in multi-band, multi-orbit, multi-vendor scenarios.

Cobra Family Naval SATCOM Systems

The Cobra terminal family comprises 1m and 2m class systems that are certified to operate on the commercial Inmarsat GX service in addition to government and military satellites. The 1m terminal is WGS certified with the 2m in process under sponsorship by Royal Australian Navy. The systems use a proprietary monopulse based tracking system providing exceptional tracking accuracy. With multi-frequency band and multi-satellite operation, the Cobra fulfils military and government requirements for "assured communications" and unbreakable links.

Availability   3 - 6 months.

Website: www.emsolutions.com.au

Fivecast

ICT & Cyber | Intelligence, Surveillance & Reconnaissance

Company Brief

Fivecast helps organisations explore masses of data to uncover actionable insights critical to progressing intelligence missions and protecting global communities. Purpose-built to address critical use cases in law enforcement, national security, defence intelligence and the commercial sector. Fivecast deploys unique data collection and AI-enabled risk analytics to solve the most complex intelligence challenges.

Fivecast ONYX

Fivecast ONYX provides targeted, secure and persistent collection of data in real-time across online platforms and incorporates analyst driven AI-enabled risk analytics through sophisticated, user-configurable detectors. Open-source intelligence (OSINT) tackles intelligence challenges, force-multiplying analyst teams and speeding up investigations. Utilised globally for: Extremist threat monitoring, Security vetting, Insider threat detection, Force protection, Anti-trafficking, Foreign influence detection, Fraud detection and more.

Availability   <3 months.

Website: www.fivecast.com

Future Fibre Technologies

Artificial Intelligence | Engineering | ICT & Cyber | Manufacturing | Optical | Through-Life Support

Company Brief

Ava Group provides security risk management technologies and support services to military, government and commercial clients worldwide. Ava Group organisations provide a range of complementary solutions for the most complex and demanding customer environments: FFT's fibre optic intrusion detection solutions; biometric and card access control from BQT; and GJD supplying professional quality external lighting controllers and illuminators.

Aura Ai-2

Aura Ai-2 offers perimeter intrusion detection for fence and covert buried applications. This system can detect and locate unauthorised interference and illegal tapping of fibre optic data networks before data loss or damage can occur. With real time discrimination and classification techniques, Aura Ai-2 delivers alarm handling while maintaining sensitivity to intrusion events. Monitoring distances of up to 110km, the two-channel controller offers full cut resilience and redundancy. Aura Ai-2 has been cyber penetration tested to NIST cybersecurity framework and UL 2900 cybersecurity standards.

Availability <3 months.

Website: www.fftsecurity.com

Indra Australia

Communications | Electronic Warfare | ICT & Cyber | Intelligence, Surveillance & Reconnaissance | Space Capabilities | Unmanned & Counter Unmanned Systems

Company Brief

Indra Australia has been operating in Australia since 2007 providing mission/safety critical integrated systems solutions to Defence and wider Government. Indra Australia is primarily focussed on the manufacture, installation, integration, commissioning and support of radar (air and space), air navigation systems, deployable infrastructure for C-IED and CBRNe, C4ISREW, Security and Simulation capability. Indra Australia is one of the largest provider of Air Navigation systems in Australia with a majority proportion of Australia's airspace controlled by Indra's Surveillance systems.

Deployable Air Traffic Management Command and Control System

Indra's Deployable Air Traffic Management Command and Control System allows for the deployment of airfield and airspace management capabilities anywhere in the world. Available in two capability levels. Level 1 is light, mobile with facilities for two Operator consoles and is suited to austere locations. Level 2 is more capable, has the potential to service greater airspace volume with performance comparable to fixed installations. It provides a separate facility for four Operators plus one Supervisor, and is better suited to longer operational periods.

Availability Designed and manufactured to order.

Website: www.indracompany.com/en

Janusnet

ICT & Cyber

Company Brief

Janusnet develops software that enables governments and their suppliers to protect government information through the application of rigorous and comprehensive protective markings. Janusnet is a global leader in data classification. Government agencies and commercial enterprises around the world use Janusnet to improve information handling and reduce data loss while reinforcing a strong security-conscious culture.
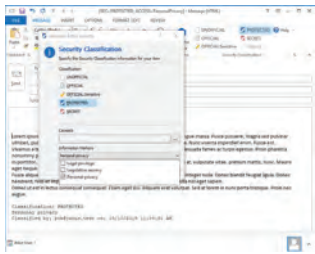
Janusseal

Janusseal is commercial software that enforces the application of classification labels (protective markings) in documents, email and files for customers and their supply chain. It ensures that visible markings and embedded metadata are accurately and effortlessly applied. Capabilities include: • Email, document, file classification • Supports multiple information classification schemas, such as: › CUI/CSNI › GSC › NATO (STANAG 4774/4778) › PSPF • Integration with numerous DLP, gateway and EDRMS technologies • Highly configurable for specialised markings.

Availability Designed and manufactured to order.

Website: www.janusnet.com

Jet Aviation Australia

Communications | Design | Electronic Warfare | Engineering | Intelligence, Surveillance & Reconnaissance | Through-Life Support

Company Brief

Jet Aviation provides delivery and integration of modified COTS aircraft to the ADF including transition from National Aviation Authority to Defence Aviation Safety Authority Continuing Airworthiness Management Regulations. Jet Aviation has expertise with Stewardship of ADF ISR systems, airworthiness and DASA regulations, maintenance, and supply chain management, and is established at key locations around Australia with maintenance, repair and overhaul facilities.

Intelligence, Surveillance & Reconnaissance

Jet Aviation's special mission solutions are developed from decades of providing aircraft modifications to government and civilian customers throughout the APAC region. The Integrated project management expertise delivers aviation solutions on time, within budget to meet capability needs. Custom installations include surveillance radars; EO/IR systems; laser illuminators; Mission Systems, radios and intercom; Data link and SATCOM, Video Management and Mapping Systems; operator consoles, avionics equipment upgrades; camera holes.

Availability Designed and manufactured to order.

Website: www.jetaviation.com

Malware Security

ICT & Cyber | Intelligence, Surveillance & Reconnaissance | Training & Education

Company Brief

Malware Security (MalSec) is a technical cyber security provider delivering tailored services to government departments, defence industry, private industry and the financial sector. MalSec has experienced cyber security professionals who excel in penetration testing, vulnerability assessments, red teaming, and security consulting. MalSec adheres to the highest security standards.

Cyber Security Services

MalSec's Cyber Security Services offerings include Penetration Testing, IRAP Assessment, Security Awareness Training, Code Review, Cyber Security Governance, Risk and Compliance, Cyber Hygiene Assessment, and Red Teaming and Physical Penetration Testing.

Availability   <3 months.

Website: malsec.com.au

MicroSecure Northwest Group

Communications | Electronic Warfare | Engineering | Field Equipment | ICT & Cyber | Training & Education

Company Brief

MicroSecure® Corporation is an Australian company that has been providing cyber, security, mission systems and military communications for over 25 years. MicroSecure's core team of specialists bring decades of knowledge, experience and capability. MicroSecure is highly trusted with access to Australian Government, Defence Industry and Security Vetted subjects. MicroSecure has successfully completed hundreds of projects worldwide.

Secret Stealth Systems

Why MicroSecure ® MicroSecure Capabilities: MicroSecure Secret Stealth Systems ® (MS4™©) and MicroSecure Technologies Intellectual Property (MS4C QUADRANT ® Registered Innovation Patent Certified and Granted No 2021100588) incorporates a suite of solutions and services provide: Wire-Lined/Wire-Less/Wi-Fi Commercial and Contractor of the Shelf (COTS), Government and Military of the Shelf (GOTS/MOTS).

Availability   Designed and manufactured to order.

Website: www.microsecuretechnologies.com

Operational Systems

Communications | ICT & Cyber | Training & Education

Company Brief

Operational Systems (OpSys) has been a trusted Cyber Security and IT provider to organisations across Australia and the Pacific and offer a range of best-in-class IT solutions. OpSys provides clients with a future- focused strategy, consultancy and advice on Information and Communication Technology. OpSys enable clients to extend IT departments through tapping into industry leading experience and expertise.

Cyber Security Training and Managed Services

OpSys provides a fully managed Cyber Security Capability which enables organisations to outsource to a cyber team have the capability to detect and respond efficiently and effectively. This solution has true Endpoint detection and response, Email Protection, Real-time alerting, event and data correlation, Triage, Advanced network detection, Incident Response, Remote Management, M365 Security Capability, CVE Scanning, Whitelisting, Threat Hunting and Expertise on Demand.

Availability   3 - 6 months.

Website: opsys.com.au

Optic Security Group

Communications | Field Equipment | Vehicles & Accessories

Company Brief

Optic Security Group is a leading provider of converged security risk management solutions. Serving the needs of Australian & New Zealand defence, government & critical infrastructure clients. Optic Security Group delivers end-to-end security risk management through networked and integrated physical security solutions, safety system design, installation, monitoring, servicing, and maintenance, and cybersecurity solutions.

CCTV/Thermal Mobile Trailer

Heavy-duty chassis, Insulated bodywork - lockable, CCTV cameras (PTZ/Fixed/Thermal), Edge analytics, Triggered audio loudspeakers & lighting, Body-worn video integration Communications Paths, 4G/4GX router, 6.5m pneumatic mast, Removable, interchangeable camera nest, Anti-graffiti coating, Internal rack with low-voltage computer Cameras, Wireless backhaul & meshing, Network monitoring of battery data, GPS monitoring/tracking Power, 790 Watts of solar power Standard, Diesel generator (Battery System assist), range of Lithium batteries options.

Availability   Designed and manufactured to order.

Website: www.opticsecuritygroup.com

Penten

Artificial Intelligence | Communications | Electronic Warfare | ICT & Cyber |
Intelligence, Surveillance & Reconnaissance | Research & Development

Company Brief

Penten is a multi-award winning secure communications, cyber and artificial intelligence (AI) technology company. Penten's mission is to deliver new Defence and security technologies for the future. Penten works with clients to solve the hardest cyber challenges of tomorrow, and support complex transformations in the digital age.

AltoCrypt Stik

The highly portable AltoCrypt Stik simplifies access to classified networks by integrating crypto, router(s), and security appliances into one small USB device that plugs into a laptop, connecting it wirelessly to a classified network. The unique design enables users to roam cable free, collaborate with peers and access data, when and where they need it.

Availability	<3 months.

Website: www.penten.com

Prophecy International

ICT & Cyber

Company Brief

Prophecy International is an Australian B2B software business delivering Centralised Log Management and Security Monitoring solutions under the Snare brand. All R&D is in Australia and technical support and training is delivered globally from the Philippines tech centre. Sales are conducted globally by both direct and channel sales team operating in a regional structure with Sales VP's leading sales teams globally. Prophecy is an Australian Sovereign cyber capability with over 4000 customers globally.

Snare Central - Centralised Log Management

Snare Central helps security teams to meet evolving log management and collection requirements, enhance network security, and combat cyber attacks with richer data and reporting capabilities. It includes long term forensic storage, reporting, alerting, dynamic event search, and is available in HA and Clustered configurations. It uses FIPS compliant algorithms keeping critical log data secure, and supports multiple log formats, parsing, normalisation, filtering, truncation and multi-point log forwarding. Snare Central is the complete centralised log management suite, easy to deploy and configure, supporting on premise, cloud and air-gapped deployments.

Availability	<3 months.

Website: www.snaresolutions.com

QuintessenceLabs

ICT & Cyber

Company Brief

Founded in 2008, QuintessenceLabs (QLabs) is at the forefront of quantum-enhanced cyber security with a suite of solutions that provide quantum-resistant technical measures across areas essential to a strong cyber defence and against future quantum computer attacks. QLabs capabilities span quantum resilient cryptography, quantum key generation, and quantum key distribution - helping enterprises build crypto-agile cyber security infrastructure on premises, in the cloud, and in hybrid IT ecosystems.

Trusted Security Foundation® Key & Policy Manager

The Trusted Security Foundation® (TSF®) key and policy manager delivers secure, centralized, and highly interoperable key and policy management, incorporating qStream™ quantum random number generator (QRNG) and a FIPS 140-2 L3 Hardware Security Module (HSM) for root of trust. As either a virtual machine, cloud instance, or hardware appliance, the TSF can manage keys over their full lifecycle, implement strong object and user policy management and offers built-in replication — up to 16 nodes for maximum availability. The TSF is crypto-agile, adaptable a to quantum resistance algorithms.

Availability	<3 months.

Website: www.quintessencelabs.com

Red Piranha

ICT & Cyber | Manufacturing | Research & Development | Training & Education

Company Brief

Red Piranha engineers and manufactures advanced cybersecurity solutions and products. All technology is 100% proprietary with IP internally owned.Red Piranha is collaborating with the Australian Department of Defence to develop a new cybersecurity solution prototype based upon the Crystal Eye XDR platform.Red Piranha's products and services protect against cyberattacks, securing data to comply with security requirements. Red Piranha provides superior security solutions and services.

Crystal Eye XDR

Crystal Eye, a Consolidated Security Platform, is designed from the ground up to be simple enough for enterprises of all sizes. Crystal Eye, licensed as Australian made, delivers a comprehensive solution across a range of security areas, with the whole platform working together to offer automated protection, detection and response to security threats across organisations. Embedded within the Crystal Eye UTM Platform is Red Piranha's Security Incident and Event Management (SIEM) solution. This solution utilises advanced anomaly detection to identify problems within environments, alerting Red Piranha's Global Security Operation Centre of any suspicious activity.

Availability	Designed and manufactured to order.

Website: redpiranha.net

S2IX

Communications | Field Equipment | ICT & Cyber | Training & Education

Company Brief

S2IX's mission is to solve the complex issues found in large scale collaborative environments and allow for a more straightforward, more secure exchange of information that supports the organisation and the personnel, from headquarters out to disconnected tactical environments.

S2IX

S2IX is a software platform specifically focused on secure information exchange in deployed scenarios through single, joint and coalition force missions sustained by architecture that can operate in the most challenging environments in the world. Specialising in data inter-operability across security domains and into the field, S2IX is a commercial off the shelf (COTS) product that fully supports national and multinational missions and operations, resulting in a seamlessly integrated platform.

Availability   <3 months.

Website: www.s2ix.com.au

ZCG Scalar Antennas

Communications | Design | Engineering | Manufacturing | Research & Development

Company Brief

ZCG Scalar provides a range of RF products including vehicle/vessel mounted antennas; base station system solutions; and custom designed coaxial cable assemblies through to broadcast antenna solutions, for a high quality, targeted signal. The range of Australian designed and manufactured products include counter-IED antenna solutions, drone-mountable antennas and products used on autonomous hardware. Beyond RF, ZCG Scalar's in-house engineering capability provides for custom engineered solutions

RF Communications Antenna and Coaxial cable assemblies

Custom manufactured RF Communications antenna available in all common communications, monitoring and data transfer frequency ranges. In-house custom manufactured coaxial cables ranging from miniature-profile through to high powered broadcast-system terminated with EIA connectors.

Availability   <3 months.

Website: www.zcg.com.au

Zone APS

Artificial Intelligence | Autonomous Systems | Communications | Electronic Warfare | ICT & Cyber | Intelligence, Surveillance & Reconnaissance

Company Brief

Since its foundation in 1986, Zone APS has a long and proud history of creating and delivering digital video and image solutions that have been recognised industry wide as a benchmark for leading edge, scalable performance and value for money. The Zone APS platform is rolled out in secure public and private facilities worldwide. Zone APS are working with channel partners and Primes worldwide.

Arbitor

C2 Command and Control PSIM Platform called Arbitor is now in use by the Australian Department of Defence. The Arbitor platform provides a complete end to end technology solution, by way of implementing a Single Head- End GUI, that offers the control operator a seamless Autonomous Enterprise Workflow with ease of navigation across various video walls, monitors and alerts. Arbitor has capabilities around harnessing Video Detection, Sonar, Radar and other devices for above water and underwater that allows, target surveillance supported by autonomous detection and tracking without the constraints of day or night or weather.

Availability   6+ months.

Website: www.zoneaps.com.au

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Section Four

3. Development to Delivery

Additive Engineering
Aerospace & Mechanical Consulting Engineers
Anywise
APC Technology
Astute Electronics
Axiom Precision Manufacturing
B&C Plastics
BlueScope Distribution
BMP Precision Engineering
Cablex
Corvus Technology Solutions
Delta Hydraulics
Direct Edge Manufacturing
Elphinstone
Ferra
Formero
Frontline Manufacturing
Glyde Metal Industries
Hargo Engineering
Integrated Design & Engineering Solutions
IntelliDesign
IoT Consultants
K-TIG
Mack Valves
Marand Precision Engineering
Matrix Composites & Engineering
Milspec Manufacturing
Minecorp Australia
New Touch Industries
NORSELD
Nupress Group
PWR Advanced Cooling Technology
QPE Advanced Machining
SimCentric Technologies

SMETEC Services
Solutions from Silicon
SPEE3D
Stärke-AMG
Stahl Metall
Toolcraft Australia
Tough Gear Trading
Tristar Industries
Versatile Marine
Wilkinson Engineering

A Defence Export Permit may be required for the products and services shown on each of the following pages

Additive Engineering

Design | Manufacturing | Medical | Space Capabilities | Unmanned & Counter Unmanned Systems | Weapons & Ammunition

Company Brief

Additive Engineering (AE) is a veteran-owned manufacturer of consistent, performance products using aerospace-proven additive manufacturing technologies and ASTM-certified materials. AE specialises in light, lattice structures for efficient energy transfer, sound vibration management. ISO9001 and DISP-accredited facilities provide machining, injection moulding, tooling, casting, 3D printing and project management to global and local primes.

Additive Engineering

AE Utilises proven additive manufacturing technology to produce consistent, high surface quality production parts to meet the highest manufacturing standards as required by the medical and aerospace industries, the experienced Additive Engineering team is dedicated to delivering on your specifications.

Availability   <3 months.

Website: additiveengineering.com.au

Aerospace & Mechanical Consulting Engineers

Communications | Design | Engineering | Manufacturing | Research & Development | Through-Life Support

Company Brief

Aerospace & Mechanical Consulting Engineers (AMCE) is a professional engineering consultancy in the defence and aerospace sectors, providing engineering design, analysis and certification services to Defence for over 20 years. Using innovation and best practice, they deliver design solutions for new capabilities and in-service support, for fixed and rotary wing aircraft. AMCE also supplies products designed by the company, manufactured under subcontract. AMCE's core business is engineering design.

C-130 Paratroop Door Negator Spring Upgrade

The AMCE Negator Spring Upgrade reduces Loadmaster back injuries, by reducing the physical effort to open the paratroop door. The system provides greater assistance by use of a spring with increased stiffness. This enables one-man door operations. Three models are available: standard lift, 50% additional lift and double lift assist. The Negator Spring Upgrade, with its special installation tool, enables a single maintainer to carry out safe installation and removal. The Negator Spring Upgrade is certified to both FAR Part 25 and the aircraft certification baseline and has been in service with the RAAF C-130J aircraft since 2012.

Availability   3 - 6 months.

Website: www.amce.com.au

Anywise

Engineering | Humanitarian | Intelligence, Surveillance & Reconnaissance | Logistics | Research & Development | Training & Education

Company Brief

Anywise is a wholly owned Australian business that thrives on solving complex problems for Defence forces. Anywise has a long history of supporting military engineering capabilities and has developed a world first Health and Usage Monitoring System for military bridging. The FABHUMS system improves safety and saves Defence forces money by using smart sensors to capture information.

FABHUMS

The Fleet Agnostic Bridge Health and Usage Monitoring System (FABHUMS) improves the safety of bridging assets by tracking usage with smart sensors. It also allows for significant financial savings by enabling informed maintenance and asset management decisions. FABHUMS has been used and tested by the Australian Army and has been developed in close consultation with the Australian Department of Defence. It has wide use-cases that are applicable to all Military Engineering bridging capability.

Availability   <3 months.

Website: www.anywise.com.au

APC Technology

Design | Engineering | Manufacturing | Research & Development | Test Equipment | Through-Life Support

Company Brief

APC Technology is a full spectrum technology manufacturing company capable of build to print through to build to specifications. With a proven record of good reach and depth in defence and industrial sectors, APC offers organic design, in house manufacturing, industry standard testing, servicing as well as sustainment.

Contract Manufacturing

Contract manufacturing is when a third party produces goods for another company, which can involve any stage of production. APC Technology offers comprehensive capabilities and services in-house to meet customer requirements for designing, building, and manufacturing products to survive in demanding environments.

Availability   <3 months.

Website: apctechnology.com.au

Astute Electronics

Design | Field Equipment | Logistics | Through-Life Support

ASTUTE PTY

Company Brief

Astute Electronics provides engineering design support for land, sea, and air applications, delivering turnkey solutions and fully assembled products. Their field application engineers offer tailored technical advice and direct manufacturer support in power, interconnect, memory, passive, and discrete components. We ensure cost-effective and traceable electronic component delivery, even in challenging markets. Astute also manages obsolescence and difficult-to-find items through secure channels and an AS6081-accredited test lab for authentication.

Deployable Power Distribution

The ASTUTE 3KVA UPS SYSTEM-AU is a ruggedized, field portable Uninterruptable Power Supply, a pre-wired and connected AC Distribution Panel (ACDP) and wiring accessories, packaged in a 3U rack frame shock mounted within an environmentally protected transit case. This packaged System facilitates rapid, reliable and low effort re-location and deployment on-site. Units are able to be customised to meet specific customer connector & power requirements with paralleling capability and ability to pair up to 32 units.

Availability   Designed and manufactured to order.

Website: astutegroup.com

Axiom Precision Manufacturing

Design | Engineering | Manufacturing | Medical | Research & Development | Through-Life Support

AXIOM PRECISION MANUFACTURING

Company Brief

Axiom is a high quality manufacturing company, servicing customers in the aerospace, space, Defence, medical devices and electronic hardware industries. The purpose-built manufacturing facilities in South Australia deliver precision machined components and assemblies, electronic hardware and assemblies, precision tooling and mouldings plus a range of surface treatments.

Precision Machining & Inspection Capability

Axiom produces accurate, precisely engineered parts to the tightest tolerances. Axiom capabilities include CNC machining with 5 axis and temperature control. Projects are measured and reported and these reports can be accompanied by certificates for non-destructive testing, materials, surface and heat treatment and an all-inclusive certificate of conformity. Axiom has 3 Coordinate Measurement Machines which measure up to 3m. A portable FARO Arm measures as a CMM and also possesses 3D scanning capability.

Availability   <3 months.

Website: www.axiompm.com.au

B&C Plastics

Design | Engineering | Field Equipment | Manufacturing | Vehicles & Accessories | Weapons & Ammunition

bc plastics

Company Brief

B&C Plastics is an Australian turnkey manufacturer specialising in design, engineering, product development and plastic injection moulding. B&C Plastic's core capability is the design, engineering, prototyping, and mass manufacture of polymer/plastic products, parts and componentry (military-grade polymer/plastic options) with 100% AIC and expenditure.

Rigid Plastic & Polymer Product Strategic Partner

B&C Plastics can provide strategic assistance with the development and manufacture of rigid plastic or polymer products. All solutions are bespoke, custom-made, designed to specification through collaboration with the customer, and can be mass-manufactured.

Availability   Designed and manufactured to order.

Website: www.bcplastics.com.au

BlueScope Distribution

Engineering | Manufacturing

BlueScope Distribution

Company Brief

We are BlueScope Distribution, a distributor of steel and aluminium ready for manufacture. We also provide project management solutions and can navigate complex supply chain needs. We are part of the broader BlueScope group of businesses servicing a wide range of industries in Australia and have an export team who can assist customers with international footprints.

Steel & Aluminium

With over 30 years of industry experience supplying steel and aluminium products for export purposes, our people understand the unique demands of exporting to international markets. Starting with specialised exporting packing procedures, we can coordinate the entire supply chain solution, to port of delivery.

Availability   <3 months.

Website: www.bluescopedistribution.com.au

BMP Precision Engineering

Design | Engineering | Manufacturing | Research & Development | Through-Life Support | Weapons & Ammunition

Company Brief

BMP Precision Engineering (BMP) is an Australian owned precision component and tooling manufacturer. The business has over 30 years' experience in the manufacture and supply of complex mechanical components, sub- assemblies, jigs and fixtures, and munitions tooling for Defence, aerospace, medical and commercial industries.
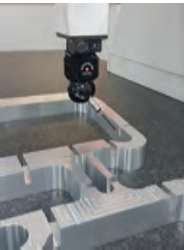
Precision Machining

BMP Engineering manufactures precision engineering components and tooling and provides quality conformity certifications for the products. BMP has the ability to manufacture precision product under a controlled environment. Capabilities include CNC 5 axis machining, Multi-tasking, CNC Milling & Turning, CNC grinding, CNC wire cutting, CNC EDM, CNC Brake press and laser marking. Products are inspected and certified using Coordinate Measurement Machines. Quality Management Systems are certified to ISO9001:2015 and AS9100 standards.

Availability <3 months.

Website: bmpengineering.com.au

Cablex

Communications | Design | Manufacturing | Space Capabilities | Through-Life Support | Vehicles & Accessories

Company Brief

Cablex is a Manufacturer & Exporter of Complex Electrical Wiring Interconnect Systems (EWIS), Electromechanical Assemblies, Avionic Bays, Consoles & Box Build Electrical Enclosures for the Defence & Aerospace Market. Cablex has significant experience in Developing & Manufacturing Electrical Systems for Harsh Environments & Developing Solutions where Electrical Noise is a Critical Factor. Cablex offers bespoke End-to-End World-Class Engineering Support and C4I Systems Engineering and Integration.

Electro-mechanical Box Assembly

Electro-mechanical Box Assembly built to customer specifications.

Availability 3 - 6 months.

Website: www.cablex.com.au

Corvus Technology Solutions

Autonomous Systems | Engineering | Manufacturing | Robotics | Unmanned & Counter Unmanned Systems | Vehicles & Accessories

Company Brief

Corvus Technology Solutions (CTS) is a fusion of nearly five decades of OEM experience, technology, capability, and skill. CTS is the customer solutions focused business unit of an internationally regarded Machine Tool OEM and is positioned to deliver end-to-end solutions and capability outcomes to the Defence sector.

Precision Manufacturing & Systems Integration

Corvus Technology Solutions (previously ANCA Engineering Solutions) delivers sovereign manufacturing, precision machining, precision assembly, integration, testing capabilities, project management, and engineering with the reach and depth of our extensive Global Supply Chain. Corvus' mission is to be a leading manufacturer of high quality, innovative solutions, servicing the Defence Market.

Availability Designed and manufactured to order.

Website: www.corvustechnologysolutions.com

Delta Hydraulics

Design | Engineering | Manufacturing | Ship Building | Through-Life Support | Vehicles & Accessories

Company Brief

Delta Hydraulics is a manufacturer and innovator of multi-stage single and double acting telescopic cylinders, hydraulic rams, constant velocity telescopic cylinders, long stroke mast cylinders, annular and internally ported cylinders and hydraulic manifolds. Delta Hydraulics has supplied hydraulic cylinders and related products to numerous industry segments including Defence and ship building. Delta has supplied 9 hydraulic cylinder models and hydraulic manifolds to the Collins-Class submarine fleet for 30 years.

Hydraulic Actuators

Hydraulic actuators and manifolds designed and manufactured to order for naval and varied land applications, and provision of through-life support.

Availability <3 months.

Website: www.delhyd.com.au

Direct Edge Manufacturing

Design | Engineering | Manufacturing | Test Equipment

Company Brief

Direct Edge Manufacturing provide an innovative one stop shop for all sheetmetal manufacturing and associated components. Direct Edge Manufacturing is able to focus on continuous improvement, WH&S risk, minimising environmental footprint and welder qualification and inspections to a variety of Australian and International standards. Direct Edge Manufacturing has been able to maintain DIFOT and quality over the past 4 years into the global market.

Sheetmetal manufacturing and associated components

Direct Edge Manufacturing services: design, drafting, prototype assembly, varied production quantities, CNC laser, punch, router, waterjet cutting, brake pressing, jobbing including drill and tapping, bevelling, green trim removal, material de-burring, welding of mild steel, stainless steel, aluminium and assoc materials, quality assurance testing, final assembly, electro-polishing, powder coating and wet painting. Facilitation by an IWS onsite offers a range of welder qualifications and inspections to a variety of Australian and International standards.

Availability Designed and manufactured to order.

Website: www.directedge.com.au

Elphinstone

Engineering | Field Equipment | Manufacturing | Through-Life Support | Vehicles & Accessories

Company Brief

Elphinstone, a wholly Australian-owned company, is a leading manufacturer of quality vehicles, machinery and components for the defence and mining industries, with over 45 years of experience in the global market. Building on their history of quality, reliability and dependability in mining, Elphinstone partners with defence OEMs in large scale machine fabrication and assembly.

Heavy Vehicle Manufacture

Elphinstone's services include plate cutting and processing, fabrication, manual and robotic welding, large scale machining, blasting and painting, mechanical assembly, testing and inspection.

Availability Designed and manufactured to order.

Website: elphinstone.com

Ferra

Autonomous Systems | Engineering | Maintenance Repair Overhaul (MRO) | Manufacturing | Unmanned & Counter Unmanned Systems | Weapons & Ammunition

Company Brief

Ferra is a global technology company specialising in the manufacturing of electromechanical, mechanical subsystems and sub-assemblies for the aerospace and defence industry. Ferra's value proposition is to allow the customer to solve multiple problems through one contract. Pricing discipline, a commitment to innovation, excellence, and performance; along with offering a globally integrated enterprise (GIE) with a SME overhead and agility.

Complex Manufacturing and Assembly

Ferra provides electro-mechanical sub-assemblies and sub-systems that support both major aerospace and defence platforms like the F-35, F-18, MH-60, and MQ-28, as well as guided weapons like JDAM-ER. Ferra's capabilities include sub-supplier management, component integration, and advanced precision manufacturing.

Availability Designed and manufactured to order.

Website: ferra-group.com

Formero

Engineering | Manufacturing

Company Brief

Formero is one of Australia's leading providers of manufacturing services. Their expertise encompasses both traditional and additive manufacturing, enabling them to establish themselves as a dependable partner. Formero focusses on superior-quality parts using the latest 3D printing and traditional technologies. They collaborate closely with clients to understand unique needs and tailor solutions to ensure the best possible outcomes. Formero's team takes pride in delivering fast turnaround times, with keen attention to detail, so projects will be completed to the highest standards, within budget, and on schedule.

3D Printing and Traditional Manufacturing Services

• 3D Printing/Prototyping and Additive Manufacturing • Injection Moulding • Vacuum Casting • CNC Machining • Metal Stamping • Investment Casting/ QuickCast

Availability Designed and manufactured to order.

Website: www.formero.com.au

Frontline Manufacturing

Engineering | Manufacturing

Company Brief

Frontline Manufacturing is a small business offering complete in-house (5 – 5000kg) steel component sub-assembly and assembly manufacturing, specialising in high tensile. Services include: • Laser Cutting (Laser to 20mm plate) • Water Jet Cutting • Brake Press Folding (Folding to 1000 Tonne) • CNC Machining • SP Welding • Robotics • Painting. All departments are driven by a very highly proficient, innovative team with a "quality first" culture for all manufacturing processes.

Metal Structure Manufacturing including Armour Plate

Frontline offers turnkey solutions, combining the disciplines of CNC machining and fabrication in one facility for the highest quality result at the lowest cost. Frontline's processing equipment allows it to focus on the 'heavier' metal structures. When combined with a deep welding competency base and commitment to quality, this allows the manufacture of complex, highly critical structures. Frontline has developed a specialisation in fabricating Armour Plate.

Availability <3 months.

Website: frontlinemanufacturing.com.au

Glyde Metal Industries

Engineering | Logistics | Manufacturing | Through-Life Support

Company Brief

Glyde Metal Industries (GMI) has 35 engineers, tradespeople and staff providing turn-key 'build to print' contract manufacturing steel fabrication services for industry, commerce and defence. GMI's strength is B2B industrial steel fabrication that is high-quality and cost effective, and offer steel fabrication with solutions that are efficient.

State-of-the-art Laser Cutting and Metal Fabrication

Glyde Metal Industries' advanced manufacturing equipment includes laser cutting, press brakes, robotic MIG welding, and ten boilermakers and welders with workshop capacity that offers production flexibility. Glyde Metal Industries offers supply consistency as well as the flexibility to respond to design revisions, scheduling, demand or volumetric changes, and uses Australian Bluescope Steel to ensure a secure supply chain.

Availability 3 - 6 months.

Website: www.glydemetal.com.au

Hargo Engineering

Engineering | Manufacturing | Space Capabilities | Weapons & Ammunition

Company Brief

With 25 CNC lathes and mills, Hargo reliably manufactures complex high precision machined components, including connectors to SpaceX. Attaining AS9100 Accreditation since 2012 allows Hargo to understand developing business relationships as an exporter. Hargo understand the needs of international customers and have built a platform to grow by machining quality componentry.

Rifle Components

Hargo machines the bolt carrier and bolt pin to exact sizing as per design to enable soldiers to complete assignments with the proficiency of Australian made rifles.

Availability Designed and manufactured to order.

Website: www.hargo.com.au

Integrated Design & Engineering Solutions

Design | Electronic Warfare | Engineering | Manufacturing | Through-Life Support | Vehicles & Accessories

Company Brief

Integrated Design & Engineering Solutions (IDES) is a wholly Australian owned, engineering and systems integration company. IDES provides concept generation, detailed design, prototype development, evaluation, integration, manufacturing and through-life-support. Specialising in customised vehicles and trailers; advanced engineering; and system Integration, IDES has delivered over 1600 bespoke system solutions since 2009.

Custom Trailer Systems

Product examples include: • Live Fire Munitions Proofing trailer for 5 Inch Navel Guns. • Scientific Test Platform. Featuring: hydraulic self-leveling and deployable weatherproof canopy; • NBN Mobile Discovery Centre Semi-Trailer. Featuring: expandable body and automated deployable access platform. • Mobile Off-Road Radio Facility. Featuring: electric self-levelling, on-board power and generation, and pneumatic mast. • Drone launch and recovery support platform. Featuring: levelling, on-board power and deployable launch ramp / recovery system.

Availability Designed and manufactured to order.

Website: www.ides.com.au

IntelliDesign

Communications | Design | Engineering | Manufacturing

Company Brief

IntelliDesign is an Australian electronic design and manufacturing company certified to AS9100D, who develop and manufacture high quality, robust, electronic devices for mission-critical applications across Defence. IntelliDesign has a highly skilled team of engineers, designers and production technicians, and a well-equipped production area that includes Automatic Optical Inspection, X-ray analysis, Flying Probe Testing, Thermal and vibration testing.

Custom Electronic Design and Manufacturing

IntelliDesign has a team of electronics and firmware engineers and industrial designers and production technicians and a well-equipped production area including 3 Automatic Printed Circuit Assembly lines, Automatic Optical Inspection, X-ray analysis, Flying Probe Testing, Thermal and Vibration testing. They are certified to AS9100D for design and manufacture. Recent Defence related clients include Northrop Grumman, Boeing Defence Australia, Rheinmetall, and Curtiss Wright.

Availability   3 - 6 months.

Website: www.intellidesign.com.au

IoT Consultants

Artificial Intelligence | Engineering | ICT & Cyber | Logistics | Ship Building | Through-Life Support

Company Brief

IoT Consultants is a technology-based company providing solutions, services, and products using IoT, BIM, AI, and Machine Learning to make faster, smart decisions about business operations and empower the whole organization to get benefits and enhance the return on investment.

Support for Engineering Activities

Support for digital transformation - Building Information Modeling (BIM) - Integrated Logistics Support (ILS) - Digital Twins - Industrial Internet of Things and sensor networks - Asset Management - Project/Program management - Support for Engineering activities - Support for Data Science (Artificial Intelligence & Machine Learning) activities - Support for R&D activities (company registered as a RESEARCH SERVICE PROVIDER - RSP No: RSP000026)

Availability   Designed and manufactured to order.

Website: iotconsultants.com.au

K-TIG

Design | Engineering | Manufacturing | Ship Building | Through-Life Support

Company Brief

K-TIG is the developer and manufacturer of a patented, high quality, high productivity and repeatable welding technology known as Keyhole TIG. K-TIG is an advanced GTAW technology that reduces multi-hour welds to just minutes whilst retaining the high quality of conventional TIG processes. In addition to speed advantages, the K-TIG technology significantly reduces power, gas consumption and labour costs. K-TIG meets the most demanding requirements of the nuclear, aerospace and defence industries.
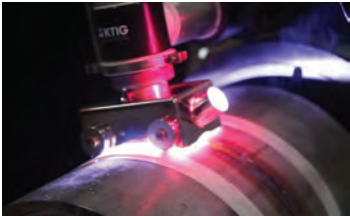
K-TIG 1000 Advanced Welding System

K-TIG (Keyhole TIG) is a highly refined, keyhole variation of TIG/GTAW developed by the Australian Government's Commonwealth Science and Industrial Research Organisation (CSIRO) and perfected by the K-TIG team. K-TIG has packaged this technology into a robust, production ready welding system with the best support in the industry. K-TIG dramatically improves cost, quality and productivity while providing a flexible robust solution which easily qualifies under ASME and other codes. K-TIG makes welders exponentially more efficient with 8x the penetration and 100x the speed of conventional GTAW, allowing it to perform outstanding quality welds in both pipe and plate materials.

Availability   <3 months.

Website: www.k-tig.com

Mack Valves

Engineering | Field Equipment | Manufacturing | Research & Development | Ship Building

Company Brief

Mack Valves supplies industrial valves to Australia and internationally, including the Maritime Industry and has built a reputation on innovation, quality and dependability. They source locally, have skilled specialised engineers that supply bespoke scalable technical solutions and have a fully equipped machine shop offering a whole-of-life product solution from design to manufacture and repair.

Reducing and Pressure Build Valves

Mack's Reducing & Pressure Build Valves are designed to control pressure downstream or maintain the pressure build at a specific pressure. Suited for applications across Building Services, Cryogenics, Pharmaceuticals, Maritime, Mining and Food and Beverage. Applications for Cryogenic, Steam, Water, Air & Gases. Working Pressure: Build up to 6,000kPa/Reduction up to 4,000kPa. General Process Application

Availability   <3 months.

Website: www.mackvalves.com

Marand Precision Engineering

Engineering | Manufacturing | Robotics | Through-Life Support | Vehicles & Accessories

Company Brief

Marand's advanced engineering and manufacturing capability supports Prime contractors via the delivery of tooling, facility automation solutions, series production of assembled equipment, and high precision machined components. Building on a history of partnering with primes to deliver Australian Industrial Capability for local acquisition programs, Marand also wins manufacturing and tooling contracts on international projects by showing advanced capabilities and best value for money.

Engineering, manufacturing and sustainment

Marand works across land, sea and air domains in support of Prime contractors who leverage the company's deep capabilities in metallic manufacturing and supply chain management. Marand plays a partner role for long term major projects and helps deliver and build Australian Industry Capability.

Availability   3 - 6 months.

Website: www.marand.com.au

Matrix Composites & Engineering

Autonomous Systems | Design | Engineering | Manufacturing | Research & Development | Test Equipment

Company Brief

Matrix is a global leader in the manufacture and supply of composite syntactic buoyancy systems. With the world's largest, most technically advanced composite syntactic plant in Australia, Matrix leads the field in quality construction and faster turnaround times.

Syntactic Buoyancy Systems

Composite syntactic foams provide stable buoyancy in deepwater environments, supporting subsea systems within the water column. Widely used in oil and gas exploration, the materials are ideal for platforms exposed to long term hyperbaric pressure. Foams can be moulded to net shape or can be machined to suit any geometry. The materials can be easily integrated into a broader composite architecture to produced buoyant, load-bearing structures and can also be tested to simulated depths up to 5,000m.

Availability   <3 months.

Website: matrixengineered.com

Milspec Manufacturing

Design | Engineering | Manufacturing | Through-Life Support | Vehicles & Accessories

Company Brief

Milspec Manufacturing is an Australian owned designer and manufacturer of alternators and power systems. Their unique offering uses permanent magnet alternators for vehicle power, delivering 100% of alternator output at vehicle idle.
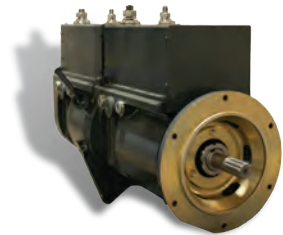
Alternators

The Milspec alternator range has seen use in both Australian and international defence forces. Milspec alternators are manufactured and tested in-house to meet standards Mil STD 461, 810, and 1275, and are smaller and lighter than competitors. Milspec's permanent magnet alternators: • 200-900Amps • Military standards Mil-461, Mil-810, and Mil-1275 • Mechanical/electrical efficiency of 83% • IP rating IP67.

Availability   <3 months.

Website: milspecmanufacturing.com

Minecorp Australia

Engineering | Manufacturing | Vehicles & Accessories

Company Brief

Minecorp provides specialised design, engineering and manufacturing capabilities. With extensive experience manufacturing in the mining and transport industries, Minecorp are a single source provider focused on delivering manufactured components and assemblies that exceed expectations. Minecorp work with their partners to offer a proactive solutions focus that delivers client success.

Design, manufacture and delivery

With over 12 years experience in harsh, demanding environments Minecorp Australia delivers fit for purpose fleet and manufacturing solutions. In-house, we take products from concept to manufacture to delivery with capabilities include state of the art Trumpf CNC equipment-Laser cutting, tube and sheet bending, Trade qualified fabrication MIG and TIG services utilising AS1554 and AS1665 Standards.

Availability   3 - 6 months.

Website: minecorp.com.au

New Touch Industries

Manufacturing

Company Brief

New Touch Industries' (NTi) laser cutting services include 2D laser cutting, rotary laser cutting and laser marking. NTi's state of the art press brakes are capable of meeting all bending and folding needs. Equipped with the capabilities to MIG and TIG weld, rivet, sand and polish products whether mild steel, stainless steel or aluminium, NTi also offers finishing services including powder coating, zinc plating, electro polishing and assembly.

Welding and Fabrication

If customer's parts require MIG or TIG welding, riveting, sanding or polishing, NTi has the capability to fabricate products, regardless of mild steel, stainless steel or aluminium. NTi offers welding to AS1554, plate rolling up to 10mm thick, robot MIG welding cell up to 400amps and stud welding. NTi also project manage all machining, coating and plating requirements from concept to completion.

Availability Designed and manufactured to order.

Website: www.newtouchind.com.au

NORSELD

Engineering | Manufacturing | Optical | Research & Development | Space Capabilities

Company Brief

Norseld Photonics delivers leading edge precision optical design, development, engineering, manufacturing and support solutions in Australia. For optical designs requiring ingenuity and precision, Norseld is offering practical problem solving for the most complex challenge with quick turn-around, all in-house and underpinned by a real commitment to excellent customer care.
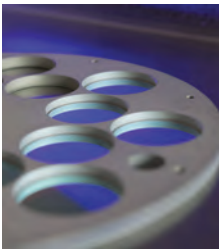
Optical Services

Norseld Photonics provides a comprehensive range of services, including Manufacturing/Equipment, Laser and Optical System Design, as well as Complex Coating services. Our expertise ensures top-notch solutions for your photonics needs.

Availability 3 - 6 months.

Website: norseld.com

Nupress Group

Design | Engineering | Manufacturing | Space Capabilities | Through-Life Support | Weapons & Ammunition

Company Brief

Nupress, established in 1971, is a manufacturer of precision machined components and assemblies. The business employs 50 staff including capabilities in structural and mechanical engineering, drafting, machining and logistics. Nupress' services include Precision Machining, Metrology, Assembly, Fabrication, Supply Chain Management , Project Management. AS9100 & ISO9001 accredited Quality Management System, world class facility and "First Class" approach makes Nupress an industry leader in manufacturing.

Precision Machining and Assemblies

Nupress has been supplying precision manufactured metal components to the defence sector for over 20 years. AS9100 & ISO9001 accredited, Nupress manufactures components with the tightest tolerances and of the highest quality, as evidenced by our contribution to F35, Loyal Wingman, Wedgetail, and other defence programs. As a Defence approved material supplier, all our processes are carried out within a secure ITAR controlled environment.

Availability 3 - 6 months.

Website: www.nupress.com.au

PWR Advanced Cooling Technology

Engineering | Manufacturing | Vehicles & Accessories

Company Brief

PWR provides engineered thermal management solutions including radiators, heat exchangers and liquid cold plates. PWR are an industry leader in bespoke cooling technology to high level racing teams, applying the same quality engineering and reduced lead times to Defence. PWR is an end-to-end supplier of engineering design, fabrication using aluminum brazing and machining as well as performance modeling and testing. PWR are innovating in additive manufacturing as well as micro-matrix heat exchangers.

Liquid Cold Plates and Bar and Plate Style Heat Exchangers

PWR manufactures fast turnaround, bespoke vacuum and controlled atmosphere brazed liquid flow through cooling plates and bar and plate style heat exchangers. Applied in electronics cooling such as radars and batteries, especially in harsh environments, our products can range in size and complexity based on performance requirements, physical weight and packaging constraints. Applications include air-to-liquid and liquid-to-liquid in land, water and flight-based vehicles; and stationary systems where the elements are a large factor in long term reliability.

Availability Designed and manufactured to order.

Website: www.pwr.com.au

QPE Advanced Machining

Design | Engineering | Manufacturing | Ship Building | Test Equipment | Vehicles & Accessories

Company Brief

QPE Advanced Machining is a precision machining company located in South Australia, specialising in handling complex machined components, fabrications, and coatings, and delivering full product and system assemblies. QPE have over 25 years of experience in project management and through-life support, collaborating with Defence primes and suppliers. The company's rigorous quality and MRP systems allow it to product design and manufacture for industries such as aerospace, mining, marine, medtech, agtech, automotive, and industrial assembly.

Advanced Manufacturing

• Design, engineering, prototyping, CAD • Make-to-print • CNC Mills and CNC Lathes up to 5-axis • EDM, Wire Cut, Wire EDM • CMM and Metrology • Manufacturing and Fabrication • Part manufacture and assembly • Assembly Tools, Welding Fixtures, Jigs and Gauges • Project Management • Through-Life Support • Prototype Manufacture • Precision Machining • Volume Machining • Value-Added Services • Cost-Down Analysis • Reverse-engineering • Fabricated and Machined Foundations.

Availability <3 months.

Website: www.qpeadvancedmachining.com

SimCentric Technologies

Research & Development | Training & Education

Company Brief

SimCentric is a military technology and simulation company transforming training, safety and operational force generation techniques through innovation. SimCentric develops off-the-shelf technology and strives to be innovators in the areas of Joint Fires Training, Live Fire Range Safety, Fratricide Mitigation and Exercise Control, Gaming Technology based tactical training synthetic environments; and scalable, point of need individual learning within formal training constructs with automated instruction and assessment.

SAF-FORESIGHT

SAF-FORESIGHT is SimCentric's Live Fire Range Safety and real-time fratricide mitigation application. SAF-FORESIGHT focuses on the reduction of risk to soldiers, platforms and range appointments across military training activities by enabling unprecedented situational awareness for all stakeholders throughout Planning, Rehearsal, Execution and Review phases. SAF-FORESIGHT has existing integrations with numerous relevant systems including Lockheed Martin's EPIC, Systematic Sitaware BMS, Cubic CATS Metrix, PLEXSYS ASCOT 7, MAK VR-Forces and Unreal Engine.

Availability <3 months.

Website: www.simct.com

SMETEC Services

Design | Engineering | Field Equipment | Manufacturing | Research & Development | Through-Life Support

Company Brief

SMETEC Services specialises in processing specialised materials such as Q&T Steels, composites and other exotic materials for the international and domestic markets. Processing capabilities include waterjet, laser, machining, and folding and welding services.

Specialised Material Processing

Exotic steels processing including profiling, bending, and machining and welding. SMETEC provides capabilities outside of the normal that is usually only available in Metropolitan areas. With in-house design and project management experience, SMETEC provides a holistic approach to manufacturing for the future. Located in regional New South Wales, the company is in close proximity to local Defence establishments, Bisalloy Steels production facilities, as well as local supply industries for raw products and international shipping ports.

Availability <3 months.

Website: www.smetecservices.com.au

Solutions from Silicon

Autonomous Systems | ICT & Cyber | Intelligence, Surveillance & Reconnaissance | Research & Development | Robotics | Unmanned & Counter Unmanned Systems

Company Brief

Solutions from Silicon (SfS) is a software engineering company, based in Australia, specialising in the development of naval mine warfare command support systems. Established in 1994, it is recognised worldwide for its extensive knowledge and experience in all aspects of naval mine warfare command, control, and support systems. SfS is ISO 9001:2015 quality certified in the development and support of defence command information systems.

MINTACS - Mine Warfare Tactical Command Software

MINTACS provides the Mine Warfare Force Commander with the latest technology to conduct both mining and mine counter-measures in today's complex maritime environment

Availability <3 months.

Website: www.sfs.com.au

SPEE3D

Autonomous Systems | Engineering | Field Equipment | Logistics | Manufacturing | Research & Development

Company Brief

SPEE3D is a cutting-edge metal additive manufacturing technology supplier for the Australian Defence Force. SPEE3D enables Defence to build metal parts in minutes or hours on the front line with the WarpSPEE3D Tactical and XSPEE3D metal 3D printers. These printers have been proven in an expeditionary environment, are robust and can be installed in under 1 hour. This results in improved logistics, reduced downtime, customisation and the ability to grow a sovereign manufacturing capability.

XSPEE3D Metal 3D Printer

XSPEE3D offers Defence forces a containerised, ruggedised, deployable metal Additive Manufacturing capability that provides all the necessary functions to build metal parts in one place. The technology manufactures fast, low-cost, near net shape parts up to one meter in diameter, suitable for defence repair and replacement applications. Rather than using heat to melt metal powders, SPEE3D's patented technology uses supersonic deposition where a rocket nozzle accelerates air up to three times the speed of sound. Injected powders are deposited onto a substrate that is attached to a six-axis robotic arm.

Availability Designed and manufactured to order.

Website: www.spee3d.com

Stahl Metall

Design | Engineering | Manufacturing | Ship Building | Space Capabilities | Vehicles & Accessories

Company Brief

Stahl Metall Engineering specialises in design and manufacture of Custom Cable and Harness Assemblies, Complete Communication, Power / Electrical Enclosures & Box Assemblies, C4i / C4ISR System Hardware, custom metalwork and distributing of High Performance Interconnect Components, Earth Bond Products, IP68 Enclosures and Full 'Plug and Play' Systems. Certified: AS 9100 - Aerospace Standard, ISO 9001:2015, IPC-A-620D (Cable Assembly), IPC-610 (PCB Assembly) and LEAN Manufacturing.

Design & Manufacture of Cable & Harness Assemblies

Stahl Metall products are known for their reliability, precision and resistance to demanding and harsh environments and are commonly used in fields requiring faultless quality, such as: aerospace and defence, marine, medical equipment, industrial instrumentation, measuring and testing devices, broadcast, telecommunication, oil and gas, and subsea applications. Stahl Metall is committed to maintain AS9100D (Aerospace Standard) Quality Management System (QMS), Proven track record in complex Defence platforms and on-time delivery.

Availability <3 months.

Website: www.stahlmetall.com

Stärke-AMG

Design | Engineering | Manufacturing | Ship Building | Space Capabilities | Through-Life Support

Company Brief

Stärke Advanced Manufacturing Group specialise in turnkey solutions for design, prototyping, additive manufacturing both metal and plastic, complex precision machining, tooling, plastic injection moulding, and fabrication projects, delivering full product and system assemblies. Certifications: ISO9001:2015, AS9100D Certification, ITAR Approved, DISP Member, ECAAS ISO 9001, ECAAS ISO 14001. A reliable partner in end-to-end advanced manufacturing services.

End-to-end Advanced Manufacturing Services

Capabilities include: Innovation, Precision Machining, Tooling & Moulding, Fabrication, Tooling & Machining and Plastic Injection Moulding.

Availability <3 months.

Website: www.starke-amg.com

Toolcraft Australia

Design | Engineering | Manufacturing | Research & Development | Test Equipment | Through-Life Support

Company Brief

Established in 1979, Toolcraft is an Australian owned precision manufacturing and technology development company. Specialising in complex mechanical system integration, Toolcraft provides advanced manufacturing and design engineering services to the defence, aviation, space, hypersonics, electronics, medical, mining and renewable energy industries.

Precision Manufacturing and Technology Development

Toolcraft provides manufacturing and development services in CNC machining and grinding, CNC folding and pressing, EDM cutting and eroding, CMM metrology, Fabrication, Assembly, Integration, and 3D printing. Core expertise enabling service delivery include Mechanical design and engineering, Turnkey product development, Project management, Rapid prototyping, Painting and plating, and Packaging and logistics. Toolcraft is an AS9100D Approved Supplier for many Defence primes.

Availability <3 months.

Website: www.toolcraft.com.au

Tough Gear Trading

Vehicles & Accessories

Company Brief

Tough Gear Trading Pty Ltd (TGT) is an Australian-based family-run business, specialising not only in the 4x4 market but also in the military and security sectors, exporting high quality accessories and solutions globally. Collectively TGT has over 30 years' experience in the military and security sector making them one of the most trusted and reliable suppliers of accessories and upgraded components to armoured manufacturing companies worldwide.

Armoured Suspensions

TGT supplies a comprehensive armoured vehicle suspension solution, tailored to the customer's needs, and integrated into their brand. This includes Shocks, Coil Springs, Leaf Springs, Front and Rear Sway Bars, Air Suspensions and Heavy-Duty Diff Housings.

Availability <3 months.

Website: www.toughgeartrading.com

Tristar Industries

Design | Engineering | Logistics | Manufacturing | Vehicles & Accessories

Company Brief

Founded in 1976, Tristar Industries has built a reputation as a leader in Australian manufacturing. Tristar pride themselves on their technical capabilities, extensive experience, teamwork, and professional integrity and have more than four decades of proven experience across numerous industry sectors.

Made to order spares and fabricated components

Tristar Industries specialise in the fabrication of heavy-duty transport equipment. Tristar is able to design and manufacture equipment, spare parts and fabricated components to our clients' specifications. Tristar can design and fabricate various parts and equipment required for land, sea or air.

Availability 3 - 6 months.

Website: tristarindustries.com.au

Versatile Marine

Design | Engineering | Manufacturing | Ship Building | Through-Life Support | Vehicles & Accessories

Company Brief

Versatile Marine is an Western Australian trading and consulting company, delivering a bespoke range of solutions to the commercial and defence industry, including OEM products for shipbuilding, repair and maintenance purposes. Versatile Marine also provides professional advisory services to shipyards and ship owners globally.

Marine Equipment & Services

Versatile Marine has a bespoke range of products and services for commercial and military applications such as Syncrolift dry docking systems, Hydromaster propulsion systems, UDF oil filtration systems, Romeko Marine ship spares, Strategic Marine commercial vessels, Versatile Marine work and patrol boats. Backed by 30+ years of experience in the shipping and shipbuilding industry, Versatile Marine also provides professional services including shipyard development, fleet management, newbuilding supervision, ship brokerage and business development.

Availability Designed and manufactured to order.

Website: www.versatile-marine.com.au

Wilkinson Engineering

Design | Engineering | Field Equipment | Manufacturing | Research & Development | Through-Life Support

Company Brief

A locally owned Northern Territory based private company, Wilkinson engineering is a general engineering facility set on a large lay down area in the industrial suburb of Pinelands. The company operates under a QMS certified by DNV to ISO 9001, ISO 14001 and ISO 45001 and has been servicing the oil and gas, Marine, Mining and Earthmoving sectors since 2008. Wilkinson engineering Employ 22 fulltime staff made up of tradesman, administration, engineers, and apprentices.

Production & remanufacture of precision mechanical components

Wilkinson Engineering has an advanced machine shop specialising in precision manual and CNC machining and the production of precision mechanical components from ferrous, nonferrous and composite materials. Our services include manufacture and re-manufacture of mechanical components, Thermal Arc sprayed coatings, boilermaking and fabrication with welding capabilities to AS1554.1 SP, and the trouble shooting of mechanical industrial assemblies. We deliver innovative, results driven engineering solutions.

Availability <3 months.

Website: www.wilkinsonengineering.com.au

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Section Four

4. Electronic

Advanced Navigation	Department 13 International	RAIDER Targetry
Carbonix	DroneShield	Sentient Vision Systems
Castlepoint Systems	Emesent	Silentium Defence
Chironix	GaardTech	Sixarms
Cromarty	Geodrones Australia	Solinnov
Crystalaid Manufacture	Hiroco	Sonartech ATLAS
Currawong Engineering	Ignite Digi	Textron Systems Australia
Cuvos	Innovaero	Titomic
Cydarm	JEDS	Trellis Data
Daronmont Technologies	Orbital UAV	Ultra Electronics Avalon Systems
DefenceX	Partech Systems	Unitronix

A Defence Export Permit may be required for the products and services shown on each of the following pages

Advanced Navigation

Artificial Intelligence | Autonomous Systems | Research & Development | Robotics | Space Capabilities

Company Brief

Advanced Navigation designs and manufactures AI-driven technologies to deliver proven assured PNT solutions and robotics to major global defence partners such as Rheinmetall, Thales, Leonardo, Lockheed Martin, BAE Systems, NASA and Boeing. The company is ISO 9001 certified and its products are developed and tested to applicable military standards and specifications. Please contact Advanced Navigation for further information. Advanced Navigation products are ITAR free.

Boreas

The Boreas D90 combines cutting-edge closed-loop Digital Fibre Optic Gyroscope (DFOG) and closed-loop accelerometer technologies with a dual antenna RTK GNSS receiver. These are coupled in a sophisticated fusion algorithm to deliver strategic-grade navigation with a heading accuracy of 0.01 degree seclat and bias instability of 0.001 degree /hr. The system features ultra-fast gyro compassing, acquiring and maintaining an accurate heading under all conditions with no reliance on GNSS.

Availability <3 months.

Website: www.advancednavigation.com

Carbonix

Autonomous Systems | Intelligence, Surveillance & Reconnaissance | Research & Development | Robotics | Through-Life Support | Unmanned & Counter Unmanned Systems

Company Brief

Carbonix is a RPAS (drone) manufacturer and operator offering complete systems based on a VTOL platform capable of carrying 7Kg for 8 hours. Unique performance and ruggedness come from proprietary light and durable composites. Systems are fitted with quality proprietary avionics to enable autonomous remotely piloted operations. Carbonix offers OEM type-training, maintenance/sustainment, and servicing with support worldwide

Ottano Remotely Piloted Aerial System

Carbonix Ottano is a complete RPAS package for aerial ISR. With a 6 metre wingspan, it is equipped with Vertical Take Off and Landing (VTOL). Ottano is optimised for long-range fully-autonomous missions (8 hours flight) in the toughest conditions. Sensor options include Electro Optical, Target Tracking, Infrared, Thermal, Hyper-spectral, and LiDAR. With hybrid fuel/electric power, and proprietary avionics with over 8,000 hours of testing, the modular system architecture allows rapid field deployment in under 15 minutes.

Availability <3 months.

Website: carbonix.com.au

Castlepoint Systems

Artificial Intelligence | ICT & Cyber

Company Brief

Castlepoint and STLP Consulting, is a SME with a core senior team of IT architects supported by qualified and experienced project and change managers, analysts, developers, data scientists, testers and support staff. Castlepoint and STLP have been operating as a trusted provider to Australian State and Federal government departments, including Defence, since 2007.

Castlepoint

Castlepoint™ provides command, control and compliance over all information, in every system, from a single pane of glass. Castlepoint reads, registers, classifies and manages information from all systems in a network, using ethical, explainable Artificial Intelligence. Organisations using Castlepoint can compliantly manage all of their holdings, without requiring users to change their business practices, or interface with a new system.

Availability Designed and manufactured to order.

Website: www.castlepoint.systems

Chironix

Autonomous Systems | Field Equipment | ICT & Cyber | Intelligence, Surveillance & Reconnaissance | Robotics | Vehicles & Accessories

Company Brief

Chironix develops applied robotics solutions, specialising in the integration of automated solutions alongside deployed servicemen. The company utilises unmanned ground vehicles that are capable of travelling across novel terrain to support logistical and inspection-based tasks. Australian-owned and operated, Chironix has a mission to build a future where humans and robots work together as a team, communicating in a naturalistic and mutually supportive manner, to achieve common goals.

PilotOS Human-Machine Teaming Platform

Chironix has developed an automation solution called PilotOS, a hardware and software platform that empowers robots to perform missions in the field. PilotOS offers advanced automation through remote teleoperation, smart navigation, and efficient mission management tools.

Availability <3 months.

Website: chironix.com

Cromarty

Autonomous Systems | Communications | Design | Engineering | ICT & Cyber | Robotics

Company Brief

Since 1988 Cromarty has been a leader in the field of automation and Operational Technology solutions. Cromarty excel in crafting high end electrical, automation, and business system solutions for industry. Cromarty's extensive portfolio showcases a track record of successfully delivering a wide spectrum of applications, from single-sensor solutions to intricate automation systems, even extending to DNV approval.

Automation, Integration & Electrical Solutions

Cromarty have a wide variety of capabilities including SCADA and Automation solutions, PLC and RTU programming, telemetry systems, electrical design, OT networking, cyber security, data management, data analytics, historians, MES, robotics and consultancy services.

Availability   <3 months.

Website: www.cromarty.com.au

Crystalaid Manufacture

Manufacturing | Space Capabilities | Test Equipment

Company Brief

Crystalaid Manufacture is a manufacturer of complex microelectronics, providing high quality complete solutions across all industries with specialisation in defence, medical and aerospace. Crystalaid brings a 70 year legacy of quality and experience to customers, ensuring a seamless and highly engaged manufacturing process that delivers on customer needs in a repeatable manner.

Turnkey Electronics Manufacturing

Crystalaid Manufacture is AS 9100D and ISO 9001 certified and delivers high quality complete solutions across all industries with specialisation in defence, medical and aerospace.

Availability   <3 months.

Website: crystalaid.com

Currawong Engineering

Design | Engineering | Manufacturing | Research & Development | Unmanned & Counter Unmanned Systems
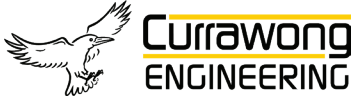
Company Brief

Currawong Engineering is a manufacturer and exporter of UAV engine systems and power electronics for Unmanned Aerial Vehicles (UAV) in both military and commercial applications. Offering a range of engine sizes from 29cc to 100cc, Currawong designs and manufactures integrated engine solutions for its customers as well as providing customised configurations, training and technical support. Currawong also offers class leading Electronic Speed Controllers (ESCs)

Electronic Speed Controllers (ESCs)

Currawong Engineering's line of Velocity Electronic Speed Controllers (ESCs) provides high powered and genuinely reliable brushless motor control for UAV power systems. Peak output power ranging in excess of 20kW, the Velocity ESC supports extreme heavy-lift applications, and by using high voltages (up to 18S / 75V), reduces current losses and allows larger motors to operate more efficiently.

Availability   <3 months.

Website: www.currawongeng.com

Cuvos

Artificial Intelligence | Design | Engineering | Intelligence, Surveillance & Reconnaissance | Optical

Company Brief

Cuvos is an Australian-owned and operated company specialising in sensor technologies. Our team are made up of experienced business professionals, engineers and academics. Our engineering teams include leaders in the fields of high-speed digital FPGA and ASIC design, neuromorphic engineering, machine learning, and algorithm development.
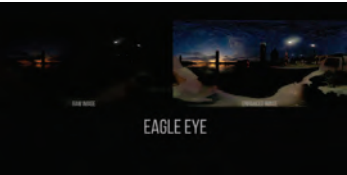
Eagle Eye

Eagle Eye is a biologically-inspired sensor enhancement technology that performs image enhancement in real-time across the full range of lighting conditions. Eagle Eye can operate with colour, black and white, infrared ultraviolet and other sensor types to provide significant improvements in situational awareness and detection.

Availability   Designed and manufactured to order.

Website: www.cuvos.com.au

Cydarm

ICT & Cyber

CYDARM

Company Brief

Cydarm is an Australian technology company based in Melbourne, Australia. Started by ex-Defence and Cyber founders, Cydarm has been funded by Venture Capital firms to accelerate its growth and development. Cydarm's platform is purpose-built for high-security environments and regulated industries. Cydarm's cyber case management platform is used within Government, Defence, and Critical Infrastructure organisations to manage responses to cyber threats.

Cydarm Case Management Platform

Cydarm's cyber case management platform is used to manage responses to cyber threats. Cydarm's granular attribute-based access control (ABAC) allows the management of incidents at different levels of trust, such as classification, clearances, roles, locations, etc. Integrated playbooks and wiki ensure response knowledge is retained and operationalised, and Cydarm can be integrated with detection and collaboration technologies to unify the response efforts into one place, supporting security operations wherever your team is located.

Availability <3 months.

Website: cydarm.com

Daronmont Technologies

Communications | Electronic Warfare | Intelligence, Surveillance & Reconnaissance | Manufacturing | Through-Life Support | Unmanned & Counter Unmanned Systems

Daronmont Technologies

Company Brief

Daronmont is a systems integrator specialising in deployable C4, surveillance and electronics. Daronmont designs, manufactures and supports deployable systems, hardware and software intensive capabilities including Passive Radar and Comms ESM and distributed training applications. Daronmont offers a capable team of over 140 engineers and support staff. Daronmont is a successful exporter and Sovereign Industry Capability contributor.

Daronmont Stealth Passive Radar

The Daronmont 'Stealth' Passive Radar system detects targets by processing reflected signals from transmission sources such as commercial radio and television broadcast signals or from deployed transmitters. The system is self-contained and portable, easily erected by two people in minutes and is operated by one person. The radar uses standard battery or mains power. Daronmont's 'Stealth' Passive Radar system advantages include: operation without electronic detection, inherently resistant to jamming and effective in detecting stealth technologies.

Availability 3 - 6 months.

Website: daronmont.com.au

DefenceX

Artificial Intelligence | Autonomous Systems | Communications | Intelligence, Surveillance & Reconnaissance | Research & Development | Robotics

Company Brief

Embedded systems and AI solutions for next generation of autonomous platforms. Products and services built around Open Architecture including Generic Vehicle Architecture HMI development and video streaming protocols. Software solutions for mixed criticallity ISO26262 and communications libraries for distributed computing, human in the loop command and control of 1000s of deployed platforms and devices.


VivoeX

Our company specialises in embedded systems and AI solutions. We are committed to open architecture, adhering generic architecture standards (GVA, GRASA), and offering expertise in HMI development, video streaming protocols, technology insertion, mixed-criticality ISO26262 software, and robust communications libraries for distributed computing. Our solutions empower human-in-the-loop command and control over thousands of deployed platforms and devices.

Availability <3 months.

Website: defencex.ai

Department 13 International

Artificial Intelligence | Design | Electronic Warfare | Engineering | Intelligence, Surveillance & Reconnaissance | Unmanned & Counter Unmanned Systems
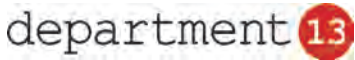
department 13

Company Brief

Department 13 is an innovative Australian drone technology company, delivering Counter Unmanned Aerial Systems (C-UAS) and solutions to defence, government, correctional facilities, critical infrastructure proponents and enterprises around the globe. Department 13's systems and technologies observe drones entering monitored areas, provide instant intelligence 24/7 and proactively protects locations, assets and people – transforming operations and innovating autonomous workforces.

Scout

Scout13 uses radio frequency and protocol comprehension to observe up to 5km of airspace, providing the highest level of intelligence on unauthorised drones invading monitored areas. Scou13 collects radio frequency data, transmitting in real-time to the cloud-based central knowledge command centre for interpretation, tracking and intelligent response. Data is verified through Department 13's robust drone fingerprint library to detect, identify, attribute and locate drones within and around nearby airspaces.

Availability <3 months.

Website: www.department13.com

DroneShield

Artificial Intelligence | Electronic Warfare | Engineering | Intelligence, Surveillance & Reconnaissance | Manufacturing | Unmanned & Counter Unmanned Systems

Company Brief

DroneShield designs and manufactures Electronic Warfare, Artificial Intelligence, Radio Frequency (RF), Intelligence, Surveillance & Reconnaissance, and C2 solutions. It is a world leader in Counter-UAS products, with handheld, mobile and fixed-emplacement solutions for detection, classification and defeat.

DroneSentry-X Mk2

DroneShield designs and manufactures Electronic Warfare, Artificial Intelligence, Radio Frequency (RF), Intelligence, Surveillance & Reconnaissance, and C2 solutions. It is a world leader in Counter-UAS products, with handheld, mobile and fixed-emplacement solutions for detection, classification and defeat.

Availability   <3 months.

Website: www.droneshield.com

Emesent

Artificial Intelligence | Autonomous Systems | Intelligence, Surveillance & Reconnaissance | Manufacturing | Robotics | Unmanned & Counter Unmanned Systems

Company Brief

Founded in 2018 as a spin-out from Australia's national science and research organisation, CSIRO, Emesent has expertise in robotics and autonomous systems, artificial intelligence/machine learning, 3D mapping, and data analytics. Its vision is to be a world-leader in the autonomous digitalisation of the most challenging places on Earth, and beyond.

Hovermap

Hovermap is a LiDAR sensor weighing just 1.6kg/3.5lbs deployable in hand or vehicle mounted (UAS/UGV/QUGV). The system provides a quick and easy data capture solution to build a measurable 3D model of any space for further analysis. The WildCat SLAM algorithm allows data capture without GPS/GNSS data to build accurate models. Hovermap is also capable of providing autonomous navigation in a GPS-denied environment when integrated with a suitable unmanned systems. Emesent provides an end-to-end simple Windows-based visualisation and processing application called Aura, which provides an intuitive environment for users to measure and interrogate their 3D data.

Availability   <3 months.

Website: emesent.com

GaardTech

Artificial Intelligence | Autonomous Systems | Engineering | Intelligence, Surveillance & Reconnaissance | Robotics | Unmanned & Counter Unmanned Systems

Company Brief

GaardTech, through its global network including GaardTech Australia, GaardTech UK and GaardTechUSA, offers advanced robotic systems for high value weaponry training, deception and autonomous combat robot applications. GaardTech is a veteran-founded company which focuses on the experience of the end users, and layers tactical and technical expertise to provide customers with an asymmetric edge.

GaardTech Vehicle Systems, Decoys and Jaeger AGRs

GaardTech produces Robotic Combat Systems, deception and live fire training robotic systems. Robotic Friendly Vehicles (Decoys) are the answer to modern deception and massed force protection plans. Robotic Enemy Vehicles enable live fire and intelligence, surveillance, target acquisition and reconnaissance (ISTAR) training. Jaeger-C is a high yield sacrificial ground robot, with over 50kg of HE payload. Jaegers are high speed, high armour, low-cost, and are capable of chasing down enemy vehicles and delivering precision strikes in all conditions.

Availability   <3 months.

Website: www.gaardtech.com.au

Geodrones Australia

Artificial Intelligence | Autonomous Systems | Intelligence, Surveillance & Reconnaissance | Logistics | Research & Development | Unmanned & Counter Unmanned Systems

Company Brief

Geodrones is an Australian-owned company specialising in locally designed and manufactured Unmanned Aerial Systems. Geodrones has an established manufacturing capability and has been in business since 2018. Geodrones prides itself on being at the forefront of the UAS industry with the vision to design, manufacture and sustain a fleet of UAS. Geodrones' current portfolio of works includes R&D, manufacturing, and testing of cutting-edge technology and products in the UAS industry.
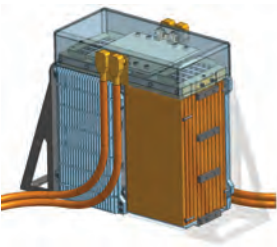
Smart Battery Technology Solutions

In-house capability of custom smart batteries solutions featuring: • multi-cell chemistry configurations • cell voltage monitoring and balancing capability • charge status and temperature monitoring • two contactor outputs with economizer • isolated solid state drives, complete galvanic isolation, and isolated current shunt interface • hall effect current sensor • dual redundant CANBUS interface • telemetry logging, and active thermal management • anti-vibration and crash detection.

Availability   <3 months.

Website: www.geodronesaustralia.com.au

Hiroco

Artificial Intelligence | Autonomous Systems | Electronic Warfare | Intelligence, Surveillance & Reconnaissance | Logistics | Robotics

Company Brief

Established in 2021, Hiroco is at the forefront of AI-driven solutions, stemming from groundbreaking research in human-machine teaming and cognitive robotics. Specialising in automated and optimised planning, resource management and task allocation technologies, Hiroco technologies cater to a wide range of industries - from Defence and mining to logistics, transport, and e-commerce. Hiroco is dedicated to introducing next-generation technologies that redefine operational efficiency.

MARTAS

The Multi-Agent Resource Task Allocation System (MARTAS) is a sophisticated artificial intelligence (AI) tool developed to streamline resource management and task allocation in various fields. MARTAS harnesses advanced AI techniques to devise the most cost-effective strategy for accomplishing a singular task or a series of tasks. The model incorporates key parameters such as time, cost, task complexity, and resources available, optimising the overall workflow and improving productivity and efficiency.

Availability 3 - 6 months.

Website: www.hiroco.io

Ignite Digi

Design | Field Equipment | Manufacturing

Company Brief

Ignite Digi designs, manufactures and sells premium camera and gimbal accessories. Our entire accessory and cable range are designed, manufactured and assembled in Hobart, Tasmania, Australia.

Premium camera and gimbal accessories

Crafted by industry professionals for industry professionals, our products work in tandem with your camera and gimbal to unlock its full potential. We specialise in the development of technical solutions for equipment integration, with a strong customer focus on delivery of field ready solutions for use in harsh real world work environments.

Availability <3 months.

Website: www.ignitedigi.com.au

Innovaero

Autonomous Systems | Design | Engineering | Intelligence, Surveillance & Reconnaissance | Research & Development | Unmanned & Counter Unmanned Systems

Company Brief

Innovaero is an Australian aeronautical product design and manufacturing company focused on large unmanned aerial systems (UAS) and aerial survey camera arrays. Innovaero cameras excel at ultra-high resolution wide area image capture and storage. Innovaero holds a broad portfolio of CASA approvals for design, manufacture and overhaul, ensuring certification outcomes. The military UAS are autonomous or RPAS and capable of ISR, logistic or combat missions.

Airborne Systems Development & Manufacture

Innovaero performs complex aeronautical product design, manufacture, modification, repair and certification. Product Design capabilities include aeronautical, systems, mechanical, electrical, electronic, systems, optics, materials, and manufacturing. Certification activities are woven through the design process to assure compliance through analysis, systems/structural/environmental testing, flight testing and operational testing. Innovaero applies these capabilities to electro-optic systems development, replacement part manufacture and UAS programs.

Availability Designed and manufactured to order.

Website: innov.aero

JEDS

Design | Electronic Warfare | Engineering | Intelligence, Surveillance & Reconnaissance | Research & Development | Through-Life Support

Company Brief

Jenkins Engineering Defence Systems (JEDS) specialises in the design, manufacture and marketing of Electronic Warfare (EW) products including software and the service and support of EW, radar and radio communications systems. JEDS has specific expertise in bespoke equipment design, manufacture, repair and overhaul, testing, calibration and software support for a range of Defence, government and commercial customers, and also offers a wider project management, systems engineering, training and configuration management capability.
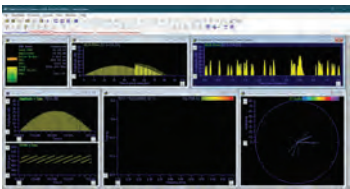
PulsePro

PulsePro is a software suite designed for the front-end Electronic Intelligence (ELINT) operator that provides real-time capture and advanced offline visual and aural analysis of radar pulse data. It analyses, records and plays back intercepted or previously recorded Signals-of-Interest in real-time and can be used for signal verification. For interoperability, PulsePro supports a number of industry standard Pulse Descriptor Word (PDW) file formats. PulsePro is in use with the Australian Defence Force and several other Defence Forces worldwide.

Availability <3 months.

Website: www.jeds.com.au

Orbital UAV

Autonomous Systems | Design | Engineering | Manufacturing | Research & Development | Unmanned & Counter Unmanned Systems

Company Brief

Orbital UAV is a world leader in the design, development and manufacture of propulsion systems and flight critical components for unmanned aerial vehicles (UAVs). From operations in Western Australia and Oregon, USA, Orbital UAV delivers integrated engine systems and associated technologies into the world's largest suppliers of tactical UAVs. The patented fuel injection system enables industry leading performance using heavy fuel - a requirement for military applications.

Heavy fuel propulsion systems for tactical UAVs

Orbital UAV is a world leader in spark ignited heavy fuel propulsion systems for tactical UAVs. Orbital capabilities include, Design and Development, Machining and Prototyping, Testing and Validation. Features of our heavy fuel propulsion system include heavy fuel capable (e.g. JP5, JP8), 500hrs time between overhauls, Immediate cold start launch, and US FAR33.49 certified.

Availability 6+ months.

Website: www.orbitaluav.com

Partech Systems

Design | Engineering | Manufacturing | Test Equipment | Through-Life Support

Company Brief

Partech Systems is a leader in providing Test Solutions for global partners, delivering high quality support for defence platforms. Partech provides total electronic solutions for complex military and civilian platforms, from design to manufacture, and Through Life Support (TLS) of platform components and test equipment. Partech is the dependable choice for maintenance, repair, overhaul, and upgrade (MRO&U). Partech has vast experience with overseas suppliers, defence export licensing requirements and ITAR controls.

Electronics Test Development

Our experienced Test Engineering Team is well-equipped to provide robust test solutions, delivering capability that minimise test and repair times, meeting all validation, integrity, and traceability requirements. With over two decades of experience across the most advanced aerospace technologies, our team has demonstrated our internationally recognised capabilities by working on key components of the F-35 Joint Strike Fighter (JSF) for Northrop Grumman and NH90 helicopter for Airbus, utilising the LM-STAR® Automatic Test Equipment (ATE).

Availability 3 - 6 months.

Website: www.partechsys.com

RAIDER Targetry

Artificial Intelligence | Autonomous Systems | Research & Development | Robotics | Training & Education | Unmanned & Counter Unmanned Systems

Company Brief

RAIDER Targetry are experts in realistic threat representation and emulation for live-fire/live-sim training and weapon systems testing. The RAIDER ecosystem offers advanced robotic ground, littoral, and low aerial targets with vehicle-specific visual, thermal, radar, and manoeuvre signatures. RAIDER's hyper-realistic targetry is configured to meet any specific requirements, enhancing live-fire combat effectiveness, lethality, and survivability.

ATTLAS™

ATTLAS™ is an autonomous, robotic, free-roaming UGV and towed target, that is deployed in single and multi-vehicle scenarios. Lightweight, modular, and battery powered, ATTLAS™ can be easily assembled in under two hours by two people. Highly survivable, configurable, and repairable, ATTLAS™ quickly establishes or augments training capability on both existing ranges and greenfield sites, for day and night operations. ATTLAS™ supports lateral, oblique and head-to-tail serials for all offensive fire weapons

Availability Designed and manufactured to order.

Website: www.raidertargetry.com

Sentient Vision Systems

Artificial Intelligence | Autonomous Systems | Intelligence, Surveillance & Reconnaissance | Manufacturing | Optical | Unmanned & Counter Unmanned Systems

Company Brief

Sentient is a world leader in AI-enabled wide area search and surveillance with ViDAR. ViDAR's passive optical sensors autonomously detect and classify objects on land, in the air and at sea. With over 4,500 systems deployed, Sentient's edge-processed moving target indicator (MTI) for EO/IR gimbals and ViDAR enhance ISR, search and rescue capabilities with wider coverage. Both technologies are in service worldwide with numerous navies, coast guards, defence, safety, and security agencies.

ViDAR (Visual Detection and Ranging)

ViDAR is an AI-enabled optical sensor that autonomously finds, classifies and tracks small objects (including those with no radar cross section, in high sea states), day and night. ViDAR is passive; enhancing decisions at greater standoff distances, without being detected when in use. Packaged in a modular, low size, weight and power pod, it is scalable to crewed and uncrewed platforms for counter-UAS, ASW and ISR missions. ViDAR is operationally proven to better detect and classify targets in real time.

Availability 3 - 6 months.

Website: sentientvision.com

Silentium Defence

Intelligence, Surveillance & Reconnaissance | Space Capabilities | Unmanned & Counter Unmanned Systems

Company Brief

Silentium Defence is a global leader in passive radar systems for tactical and strategic surveillance scenarios. A disruptive technology, designed and developed in Australia, Silentium's MAVERICK passive radars enable customers to see without being seen across sea, air, land, and space. No electromagnetic signature and extremely low size, weight, and power (SWaP).

MAVERICK M8 Passive Radar

MAVERICK M8 passive radar brings a new dimension to the world of surveillance and situational awareness. Lightweight, ruggedised, and rapidly deployable, the system offers decisive operational advantages across land, sea, and air.

Availability   3 - 6 months.

Website: www.silentiumdefence.com.au

Sixarms

Autonomous Systems | Field Equipment | Intelligence, Surveillance & Reconnaissance | Research & Development | Test Equipment | Unmanned & Counter Unmanned Systems

Company Brief

Sixarms is an innovative company that is using cutting edge unmanned aerial vehicle (drone) technologies to produce efficient, accurate and cost-effective test and measurement solutions within the broadcast, telecommunication and defence RF environments.

Airborne Radio Measurement System

Sixarms Airborne Radio Measurement Systems (ARMS) are designed for rapid assessment of critical RF (wireless) infrastructure. The multipurpose system has been used to optimise antenna placement on vehicles and ships, perform antenna patterns of HF radar and communications antennas as well, confirm regulatory compliance and monitor spectrum usage. The ARMS units are able to efficiently and autonomously assess and characterise RF signals originating from land, sea and air transmission systems.

Availability   <3 months.

Website: www.sixarms.com

Solinnov

Communications | Electronic Warfare | Intelligence, Surveillance & Reconnaissance | Research & Development | Unmanned & Counter Unmanned Systems

Company Brief

Solinnov Pty Ltd is a wholly Australian owned small to medium enterprise, providing customised solutions in high-performance embedded signal processing systems, predominantly for Government and Defence sectors. Solinnov design algorithms to understand and manipulate the RF spectrum; implementing these algorithms in software defined radios. Key areas of expertise include: Electronic countermeasures, Leading edge solutions in real-time digital signal processing; and Field programmable gate array

BlueBottleCE

BlueBottle is a multi-mission software-defined radio system for electromagnetic operations, demonstrating the true power of radio technology. Used as individual units, or network sensors for distributed operations, BlueBottles provide a wide range of specialist applications in communications, electronic surveillance, electronic countermeasures and radar. Small in size, weight, and power profile, BlueBottle's applications can be changed at any point, providing a versatile and cost-effective solution for Defence, intelligence operations and other sectors.

Availability   <3 months.

Website: www.solinnov.com.au

Sonartech ATLAS

Artificial Intelligence | Autonomous Systems | Electronic Warfare | Intelligence, Surveillance & Reconnaissance | Unmanned & Counter Unmanned Systems

Company Brief

With over 30 years of experience and a world-wide customer base, Sonartech ATLAS is a world leader in the design and development of acoustic processors, recording and analysis systems for submarines, crewed and uncrewed surface vessels, aircraft and shore/support facilities. Leading export items include: Intercept Detection and Ranging Sonar (IDRS), sonobuoy processor (Sonix) and Shore Based Information Centre (SOBIC).
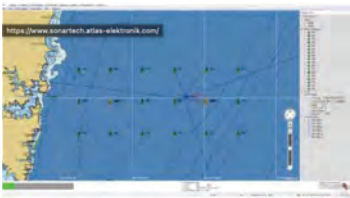
Sonix Sonobuoy Processing System

Sonix supports the simultaneous collection, recording, analysis, and display of the signals from sonobuoys to allow detection, localisation and classification of underwater threats by ASW units. The system has an airborne variant (Sonix-A) and a shipborne variant (Sonix-M). The system receives, processes, displays passive and active acoustic data, and can support multi-static active search operations using coherent and incoherent sound sources.

Availability   6+ months.

Website: www.sonartech.atlas-elektronik.com

Textron Systems Australia

Autonomous Systems | Engineering | Intelligence, Surveillance & Reconnaissance | Robotics | Unmanned & Counter Unmanned Systems

TEXTRON Systems
AUSTRALIA

Company Brief

Since 1995, Textron Systems Australia has been designing, manufacturing and servicing a range of unmanned aircraft systems (UAS) including the Aerosonde SUAS. Based in Australia, the company's employees are experienced in all facets of unmanned aviation, providing a single resource for customers seeking either systems or operational services.

Aerosonde Tactical Unmanned Aircraft System (TUAS)

Designed for expeditionary land- and sea-based operations and equipped for simultaneous day/night full-motion video, communications relay, signals intelligence and a customer-selected payload in a single flight, Textron Systems' Aerosonde Uncrewed Aircraft System (UAS) family of products delivers reliable, multi-mission performance in a class by itself. It is field-proven with more than 600,000 flight hours, including desert heat and Arctic cold.

Availability   3 - 6 months.

Website: www.textronsystems.com.au

Titomic

Engineering | Manufacturing | Research & Development | Space Capabilities | Vehicles & Accessories | Weapons & Ammunition

TITOMIC

Company Brief

As an advanced manufacturing partner, Titomic enables clients to create lighter, stronger metal parts and unlock new material possibilities. Titomic integrates breakthrough cold spray technology and turnkey manufacturing systems into the client's existing production line, manufacturing environment, and processes for a faster, easier, and more cost-effective way to build, coat and repair metal parts on demand.

D523 Cold Spray System

The TITOMIC compact low-pressure cold spray system provides on-demand metal coatings and repairs. The D523 utilises cold spray additive manufacturing to rapidly apply thick, dense metal coatings to repair and protect metal parts and assets. The system enables geometry restoration, corrosion repair and protection and more without heat.

Availability   3 - 6 months.

Website: www.titomic.com

Trellis Data

Artificial Intelligence | Autonomous Systems | Electronic Warfare | Intelligence, Surveillance & Reconnaissance | Logistics | Space Capabilities

TRELLIS DATATD

Company Brief

Trellis Data is a fully Australian owned and controlled company that exists to provide world leading machine learning (ML) capability to Australia and its allies. Trellis Data provides the world's most advanced explainable machine learning platform, the Trellis Intelligence Platform (TIP), including speech to text, vision, document analysis and ISR enrichment functions.

TIP Secure Chat

Trellis Secure Chat is a secure and accountable Generative AI solution that enhances corporate knowledge bases by drawing results from their own data to provide references for every answer. Able to search a million documents in seconds, it is an easily scalable Generative AI capability that enables the benefits of Generative AI without the risk of data breaches. Fully deployed and available in offline mode, so it can be operated in highly classified environments, including at the edge and in land, sea, air and space.

Availability   <3 months.

Website: www.trellisdata.com

Ultra Electronics Avalon Systems

Communications | Electronic Warfare | Engineering | Manufacturing | Research & Development | Through-Life Support

ULTRA

Company Brief

Ultra Electronics Avalon Systems is an Australian specialist electrical and electronics engineering company focused on providing mission-specific, bespoke Electronic Warfare (EW) systems for land, sea and airborne applications. Ultra's capabilities include ELINT and COMINT collection and analysis systems and related operation requirements, as well as electronic self-protection systems and Counter-IED technologies. Ultra supplies and supports products in-service in the Australian Defence Force (ADF).

Airborne Signature Measurement System (ASMS)

The ASMS performs critical Electro-Optic or Radar Cross Sectional signature measurements on maritime and land platforms. The high fidelity signature profile gathered by the ASMS enables optimal use of countermeasures against various types of missile seekers and other guided weapons, while facilitating suppression of ships signatures to counter enemy sensors and weapons. The carry-on carry-off helicopter based ASMS allows collection of signature data whilst the helicopter manoeuvres around the targets of interest.

Availability   Designed and manufactured to order.

Website: www.ultra-electronics.com.au

Unitronix

Autonomous Systems | Electronic Warfare | Robotics | Test Equipment |
Unmanned & Counter Unmanned Systems | Vehicles & Accessories

unitronix
THE EMBEDDED EDGE

Company Brief

Unitronix are an innovative engineering-capable distributor and manufacturer of rugged, embedded computing solutions for military, aerospace and high-end industrial applications. Established in 1984, Unitronix have supplied and supported Australian civil and defence programmes with reliable equipment needed to survive in some of the harshest environments.

REN - Rugged Embedded Node

REN™ boxes are not general-purpose computers, they are for use in harsh environments where maximum protection needs to be afforded to the high-powered processing solution inside. REN™ boxes provide a proven solid alternative that is fast to procure and deploy. Ideal for rapid prototyping and testing phases of a project Open design, cabling, connectors, power configurations and storage are all accommodated as "FITTED FOR, NOT WITH", giving hardware engineers the flexibility to make the system exactly as they require.

Availability Designed and manufactured to order.

Website: unitronix.com.au

Field Equipment
Personal Protection
Vehicles & Accessories

Section Four

5. Field Support

Amiga Engineering	Envirofluid	Norcoast Refrigeration Company
APV	Evolution Gear	Onetide
Armor Australia	Global Defence Solutions	Pedders Shock Absorber Service
Australian Defence Apparel	GME	Point Trading Group
Australian Droid & Robot	Green Eco Technologies	REDARC Defence & Space
Australian Patrol Vehicles	Heatlie Engineering	Ruslyn Holdings
BAC Systems	Henchman	SPINESUIT
Bale Defence Engineering Systems	Holmwood Highgate	Stealth Electric Bikes
BIA5	Humanihut	SYPAQ Systems
Bisalloy Steels	Ideation Product Solutions	Tectonica Australia
Blueye Eyewear	Lightning Protection International	Trakka Systems
BlueZone Group	Lindo	Universal Site Monitoring
CGear Australia	Lunar Lighting	Varley Group
Craig International Ballistics	Mackay Australia	Viper WRL
DefendTex	Micro-X	XTEK
DomeShelter Australia	Nobles	

A Defence Export Permit may be required for the products and services shown on each of the following pages

Amiga Engineering

Field Equipment | Manufacturing | Personal Protection | Space Capabilities |
Vehicles & Accessories | Weapons & Ammunition

Company Brief

Amiga Engineering Pty Ltd specialises in metal additive manufacturing, utilizing 3D printing to create high-quality suppressors. Pioneers of Scalmalloy and Tungsten W-45, they reached new levels of reliability and performance. Providing a full suite of services, from CNC machining to 3D printing & fabrication, Amiga stands out as an integrated manufacturing provider offering comprehensive Defence sector support.

Advanced Manufacturing

Step into advanced manufacturing with Amiga Engineering, a leader in metal 3D printing. Introducing Titanium Ballistic Armour, Tungsten W-45 Metal 3D Printing, Scalmalloy Metal 3D Printing, and Metal 3D Printed Suppressors. Elevate capabilities with Amiga's state-of-the-art products for optimal results in defence and aerospace applications.

Availability <3 months.

Website: www.amigaeng.com.au

APV

Engineering | Manufacturing | Personal Protection | Research & Development |
Vehicles & Accessories

Company Brief

APV Corporation is a supplier of safety critical products and services within the Passive Safety Systems market. APV Engineering and Testing Services is an ISO 17025 and FIA Test Laboratory and market leader in survivability, safety, industrial Test and Evaluation services. APV Safety Products is an OEM of seatbelts and occupant restraint systems with a dominate position within the North American military occupant restraint market with AS9100 Accreditation for Defence and Aerospace.

Military Occupant Restraints

- Blast Tested Military Occupant Restraints. - OEM supplier of Military Occupant Restraints and Seatbelts for operational vehicles. - Restraints for Blast Attenuating Seats for both Amphibious and Ground Military Vehicles.

Availability Designed and manufactured to order.

Website: www.apvcorporation.com

Armor Australia

Field Equipment | Personal Protection

Company Brief

Armor Australia is one of the Asia-Pacific regions most advanced designers and manufacturers of leading-edge Ballistic Protection Systems to suit Land, Sea and Air platforms, supporting military, law enforcement and civil end users in over 40 countries globally. Armor Australia's wealth of technical knowledge and advanced manufacturing has them positioned at the forefront of the global armour industry. Armor Australia is an ISO9001:2015 quality certified company and holds a DISP Membership.

Personal Protection Armour

Armor Australia sets the benchmark for high quality lightweight rifle threat armour solutions. Engineered to meet a variety of threats to protect specialist military and first responder end users in over 40 countries globally. Armor Australia has strategic alliances with leading tactical outer carrier makers for the supply of any outer garments required to be integrated with the body armour. Armor Australia produces a wide variety of protection systems to suit land, sea and air platforms, and structural applications.

Availability 3 - 6 months.

Website: www.armoraustralia.com

Australian Defence Apparel

Field Equipment | Medical | Personal Protection

Company Brief

ADA is an innovator of cutting-edge uniforms and personal equipment specialising in complex user requirements from design to distribution. As an integrated uniform solutions provider, ADA is a primary manufacturer of garments for the Australian Defence Force with a commitment to combining textiles and technology to solve design problems which also stems across law enforcement, healthcare and corporate industries.

Load Carriage - Military Pack Range

ADA's Military Pack Range consists of an 85L & 45L Patrol Pack, 30L Raid Pack, 15L Day Pack and Medic Pack. The designs incorporate improved ergonomics through frame, strap, and material construction to reduce the risk of injury. User comfort is enhanced across the diverse size ranges with the ability to customise the pack for varying heights. The streamlined design reduces the impact of load by moving weight closer to the body's natural equilibrium whilst improving integration with the soldier combat ensemble and load carriage equipment systems.

Availability 3 - 6 months.

Website: www.ada.com.au

Australian Droid & Robot

Artificial Intelligence | Autonomous Systems | Electronic Warfare | Intelligence, Surveillance & Reconnaissance | Robotics

Company Brief

Australian Droid & Robot is a sovereign Australian manufacturer of robotic systems for the defence and mining industries. With advanced capabilities in Software Development, AI, electronics and robotics, ADR are builds reliable and robust systems which are easy to use and implement.

Explora XL

The Explora XL Robot is a rugged small all terrain robotic platform to support data collection in environments where human entry is not possible, too hazardous or not practical. The center of the robot is intended to provide the primary area for payload integration, providing both power and communications to attachments, allowing for ADR and third party payloads to be easily mechanically and electrically integrated.

Availability <3 months.

Website: www.australiandroid.com.au

Australian Patrol Vehicles

Engineering | Field Equipment | Logistics | Manufacturing | Research & Development | Vehicles & Accessories

Company Brief

Australian Patrol Vehicles (APV) is an automotive engineering company that offers high mobility, increased gross vehicle mass Toyota 70, 200 and 300 Series platforms for commercial or military applications. APV are an innovative mechanical engineering company that can provide certification and support to any platform or project. APV are 100% Australian owned and operated in Northern Queensland.

Military Light Reconnaissance Vehicle

The Military Light Reconnaissance Vehicle is a true 6x6 variant designed and developed to for high mobility and extended lines of communication requirements. The systems are designed around the Toyota 70 Series family of vehicles and offers a significant Gross Vehicle Mass increase. Vehicles can be modified for any role and to accommodate user requirements. The platforms are fitted with weapon mount systems supplied by W&E Platt and are capable up to 50 CAL and 40mm.

Availability 3 - 6 months.

Website: www.aepengineering.com.au/defence-vehicle-equipment-modifications

BAC Systems

Engineering | Field Equipment | Logistics | Vehicles & Accessories

Company Brief

BAC Systems is an Australian manufacturer of industrial workshop and storage equipment, supporting defence facilities for over 40 years. BAC offers standard and customisable modular solutions for tool storage, spare parts storage workshop benching and laboratory benching. BAC also engineers and manufactures customised racking solutions for RAAF under-wing assets and similar items. BAC Tool Storage solutions are used by the Australian Defence Force.
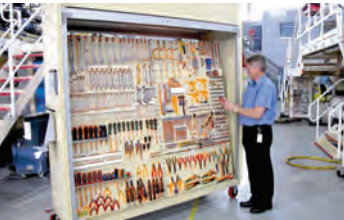
BAC Flightline Toolboard

BAC Flightline Toolboards offer a solution for tool-display storage and have a generous 7.4m2 of perforated steel toolboard, secured behind a transparent roller door. BAC Flightline Toolboards are supplied with a large set of accessories to allow storage of all tools, and the large 150mm urethane wheels allow moveability to wheel the BAC Flightline Toolboard around the workshop or out onto the tarmac.

Availability <3 months.

Website: www.bacsystems.com.au

Bale Defence Engineering Systems

Design | Engineering | Manufacturing | Research & Development | Through-Life Support | Vehicles & Accessories

Company Brief

Bale Defence specialise in design, manufacture and sustainment of military equipment and defence-related product. The company also serves as a repair and supply chain manager; maintaining a range of spares and equipment. Bale Defence has a diverse range of products and services including a range of special operations vehicles and watercraft, various urban and maritime assault systems, weapon storage systems, containerised armouries, EO magazines, and ready use lockers.

Rough Terrain Vehicle - Second Generation (RTV2)

The RTV2 is a light, tactical, mobility platform (LTMP) based off of a side-by-side vehicle offering. The vehicle is a reconfigurable platform capable of carrying up to three crew, their individual weapons and a range of equipment to suit mission profile. The vehicle includes two large adaptable and secure payload areas. The modular design of the vehicle allows for seamless integration of OEM mission kits whilst maintaining a strong focus on aerial delivery capability and reliability.

Availability 6+ months.

Website: www.baledefence.com

BIA5

Autonomous Systems | Engineering | Field Equipment | Intelligence, Surveillance & Reconnaissance | Manufacturing | Robotics

Company Brief

BIA5 specialises in the design, manufacture, supply, and support of electronic systems for military, mining, law enforcement, and security agencies. As a veteran owned business and with over 50 years of operational experience in electronic support systems, BIA5 is dedicated to providing technological solutions to both Australian and international defence organisations. Our core capabilities include the Tactical Initiated Lighting Solution and robotics.

Tactical Initiated Lighting Solution

The TILS is a modern-day replacement for traditional pyrotechnic early warning trip flares. TILS offers superior versatility. Is modular, expandable and fully programmable providing visible and IR illumination. Multiple TILS units can be connected to form a mesh network, allowing the TILS to be configured and operated to suit a variety of scenarios including: Ambushing, Urban operations, Landing zone marking and infrastructure protection.

Availability <3 months.

Website: www.bia5.com

Bisalloy Steels

Field Equipment | Manufacturing | Personal Protection | Ship Building | Vehicles & Accessories

Company Brief

Bisalloy is a manufacturer of impact-resistant armour and protection grade steels. Bisalloy research and development in armoured steel ensures the highest level of protection and mobility. Our IP, knowledge of materials and metallurgical know-how is a key factor in providing our technical expertise to provide a capability edge for our customers. When you partner with us you benefit from our reliable supply chain, and from the Bisalloy product that has proven itself in Australia's defence industry for over 40 years.

BISALLOY® Armour Steel

BISALLOY® Armour steel is specified for hulls in Armoured Personnel Carriers (APC), Light Armoured Vehicles (LAV), Combat Reconnaissance Vehicles (CRV) and Infantry Fighting Vehicles (IFV), including the Bushmaster Infantry Mobility Vehicles in Australia, along with many APCs and LAVs worldwide. The BISALLOY® Protection steel range runs the complete range of vital performance characteristics including strength, toughness and shock loading resistance.

Availability <3 months.

Website: www.bisalloy.com.au

Blueye Eyewear

Field Equipment | Optical | Personal Protection

Company Brief

Blueye Eyewear specialise in manufacturing specific purpose eye and face protection systems for various theatres including: Water Ops, Land Ops, Air Ops and Special Operations tasks. Blueye Tactical Eyewear products increase visual performance through state of the art lens technology and ballistic capability.

Jager Tactical Sunglasses Eye Protection System

Jager Tactical Sunglasses are a military and tactical eye protection system designed to protect against blast fragmentation and blunt force high impacts. Features include Interchangeable lens system, adjustable nose piece for individual facial fit and comfort, helmet and hearing protection and Prescription RX compatible.

Availability <3 months.

Website: blueyetactical.com

BlueZone Group

Autonomous Systems | Engineering | Manufacturing | Through-Life Support | Unmanned & Counter Unmanned Systems

Company Brief

BlueZone Group supplies and sustains engineered solutions comprising marine technology and Remote and Autonomous Systems (RAS) for maritime applications in Australia and New Zealand. BlueZone provides defence with capabilities such as Mine Clearance Diving, Military Survey, Advanced Submarine Capability, and Special Forces.

Portable Hydrographic System

The Portable Hydrographic System (PHS) was designed to perform hydrographic and bathymetric surveys of Littoral and Riverine environments to facilitate the collection and dissemination of Geospatial data. The PHS capability consists of a collection of hydrographic sensors including a Multi-Beam Echosounder, Single Beam Echosounder, Side Scan Sonar, and LiDAR, integrated into a deployable kit for use on a vessel of opportunity.

Availability 6+ months.

Website: bluezonegroup.com.au

CGear Australia

Design | Field Equipment | Manufacturing | Research & Development | Through-Life Support

Company Brief

CGear Australia is a worldwide manufacturer of Extreme Lightweight Helicopter Landing Zones (LZ) used to eliminate "brown out". This reduces helicopter maintenance costs by over 90% when landing in desert conditions.

Light weight helimat

Light weight helicopter landing zones which eradicate 'brown out'. It is configured in size to suit all military helicopters made worldwide. Sizes: 18.3m x 18.3m (9 segments), 24.4m x 24.4m (16 segments) and more. Each segment weighs 21.5 kgs.

Availability <3 months.

Website: www.cgear.com.au

Craig International Ballistics

Design | Field Equipment | Manufacturing | Personal Protection | Research & Development | Vehicles & Accessories

Company Brief

Over the last 20 years, Craig International Ballistics (CIB) has become a leading manufacturer and supplier of combat-proven ballistic protection systems and training products to the Australian Defence Force. The company has consistently delivered high-quality body armour systems on time and on budget. Using these skills, the company has expanded beyond personal protection into developing armour for land vehicles, naval frigates and military aircraft.

Soldier Ballistic Protection and Composite Armour

CIB produce personal ballistic protection products are specifically designed to offer protection in harsh military operating environments. CIB has proudly supplied ballistic protection to the Australian Defence Force for over twenty years. CIB produces a range of training body armour products to allow soldiers to train while reducing the wear on operational body armour. CIB's composite ballistic protection panels are pressed, cut and coated within the manufacturing facility and are designed for any land, sea or air application.

Availability 3 - 6 months.

Website: ballistics.com.au

DefendTex

Autonomous Systems | Intelligence, Surveillance & Reconnaissance | Manufacturing | Research & Development | Unmanned & Counter Unmanned Systems | Weapons & Ammunition

Company Brief

DefendTex is an established Australian leader in multi domain asymmetric warfare solutions. DefendTex technology is built for the soldier and delivers combat mass designed to significantly increase the strike range, survivability and lethality of existing systems. DefendTex leverages a strong commitment to R&D, an export focus and state-of-the-art local facilities to deliver world leading capabilities.

Low Profile Body Armour

The higher density of steel makes the LPBA system as little as half the thickness of a ceramic counterpart whilst being weight-competitive with silicon carbide armour plates. Steel provides far superior multi-strike (up to 11 hits per plate) and edge performance. These plates can also survive the hard knocks and rough handling that would render a ceramic plate unfit for service. Available for protection against common NIJ Level III+ threats in conjunction with a high-performance soft armour insert.

Availability <3 months.

Website: defendtex.com

DomeShelter Australia

Field Equipment | Humanitarian | Manufacturing
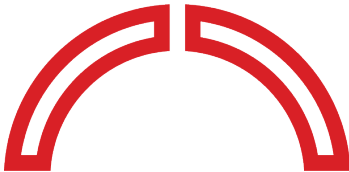
Company Brief

DomeShelter Australia is a trusted and recognised supplier of fabric-covered Shelter Solutions that meet the rigorous demands of landscapes across the globe. With over 30 years' experience and installations in over 48 countries, DomeShelter™ Kits have proven their robustness and durability, even in remote and harsh environments. The DomeShelter™ Purpose is clear: to protect people and assets from the harmful effects of the elements with both permanent and temporary infrastructure solutions.

DomeShelter™ Kits

Permanent and temporary infrastructure that is easily installed. Fabric Structures protect people and assets from the elements; quickly, simply, and effectively. Lightweight and quick deployment make them ideal for Hangars, Warehouses, Workshops, Manufacturing Facilities, Shore accommodation, Command Posts, Weapon Systems, & more. All DomeShelter™ Kits can be cyclone rated and certified by local authorities, and use rugged, proven Industrial grade Fabrics, including DomeShelter's™ flagship Armourtex® 400 Fire Retardant (FR) Fabric Tarp.

Availability Designed and manufactured to order.

Website: www.domeshelter.com.au

Envirofluid

Field Equipment | Personal Protection | Ship Building | Through-Life Support

Company Brief

Envirofluid provide a range of versatile, non-hazardous chemicals. Envirofluid have a holistic approach to chemical usage, and partner with clients to provide solutions for WHS issues, cleaning applications and system malfunctions. Envirofluid chemicals do not erode surfaces, damage components, release harmful toxins, or result in expensive repairs and health concerns.

Maintenance, Repair, and Overhaul Chemicals

Envirofluid helps companies preserve and care for their workforce through smart chemical applications that eliminate workplace and environmental risk with high performance chemistries that streamline work-flow, increase efficiency and generates an outstanding ROI. Envirofluid offers a breakthrough system that has been designed to provide advice, performance analysis, technical and implementation support for seamless product substitution and change-over.

Availability <3 months.

Website: www.envirofluid.com

Evolution Gear

Communications | Field Equipment | Manufacturing | Medical | Test Equipment | Weapons & Ammunition

Company Brief

Evolution Gear is a 100% Australian-owned and operated company specialising in protective carry cases. Evolution Gear designs and manufactures rugged, durable, and functional protective carry-case solutions for military equipment, firearms, ammunition, communications, drones, cameras, and other sensitive equipment for a range of government and private sector end-users.

Custom Protective Transportable Carry Cases

Evolution Gear manufactures custom-designed transportable protective storage carry cases with custom packaging storage solutions for a range of applications.

Availability Designed and manufactured to order.

Website: www.evolutiongear.com.au

Global Defence Solutions

Design | Field Equipment | Humanitarian | Manufacturing | Medical | Through-Life Support

Company Brief

Global Defence Solutions (GDS) strive to create smart, safe, highly mobile, MIL-SPEC and non-MIL-SPEC solutions that help military and emergency service personnel perform to their best. Coupled with the provision of through life Australian based support makes GDS a force in field support.

Expandable, Accessible, Secure, Intermodal

Expandable, Accessible, Secure, Intermodal (EASi) containers have a range of military and humanitarian applications, including clinics, hospitals, accommodation, catering, sanitation, stores and power. Accessible from five sides and able to be linked together to create larger workspaces. The EASi core frame is certified, not the actual container, unlocking endless customisation to meet user requirements without the need for additional certification. The EASi is transportable via road, rail, air or sea.

Availability 6+ months.

Website: www.globaldefence.com

GME

Communications | Engineering | Field Equipment | Humanitarian | Manufacturing

Company Brief

GME has been an industry leader in the communication technology space for more than 60 years. GME is proudly 100% Australian owned and operates from its purpose-built facility complete with in-house engineering, state-of-the-art manufacturing, and national warehousing capabilities which support GME's ability to undertake sovereign manufacturing opportunities and create custom technical solutions within the RF Communications and safety space. GME is an Australian manufacturer of emergency beacons and has been designing, engineering, and manufacturing EPIRBs and PLBs for over 30 years.

MT610G - Personal Locator Beacon - PLB

The MT610G is a super compact, lightweight PLB, offering an impressive 7-year battery life and a 6-year warranty. Featuring an integrated 72 channel GPS receiver, zero warm up time, high intensity LEDs, IP68 Ingress Protection and an inherently buoyant design, the compact size of the MT610G has not compromised the safety features included. The MT610G is designed to meet and exceed the latest international standards and is Cospas Sarsat Class 2 certified.

Availability <3 months.

Website: www.gme.net.au

Green Eco Technologies

Company Brief

Green Eco Technologies has developed a patented reactive oxygen technology which reduces both the size and weight of food waste by up to 80%, all with the simple push of a button. What sets this innovation apart is its ability to retain nearly all the original calorific and nutritional values of the food, making it a versatile solution applicable across various industries.

WasteMaster System

The WasteMaster system utilises patented reactive oxygen technology to vaporise the cellular structure of organic waste, facilitating the release of moisture and accelerating the decomposition process. The end result is a dry, bacteria-free, and storable substrate that preserves the majority of its original calorific and nutrient values. Remarkably, this process reduces the overall volume of the waste by up to 80%. The transformed by-product opens up valuable pathways for reuse, whether it be for biofuel production, enhancing compost, or as animal feed.

Availability Designed and manufactured to order.

Website: www.greenecotec.com

Heatlie Engineering

Company Brief

Heatlie BBQs and Letterboxes are family owned companies under the Mead Group and are located in South Australia. Heatlie BBQs have supplied the retail, commercial and Defence force markets within Australia with high quality BBQs and commercial cooking equipment for more than 40 years with products made to order in a wide range of variants including built in and mobile models, roasters and hotboxes.

Outdoor Gas Barbeques

Heatlie BBQs are an Australian made quality flat plate BBQ built for longevity. Clients can choose from hundreds of different options, and Heatlie takes pride in its craftsmanship. Available in 3 sizes with a choice of stainless steel or powder-coated black or claret finish with further with options including mild steel and stainless steel hot plates, as well as the choice of LPG and natural gas BBQ models.

Availability <3 months.

Website: www.heatlie.com.au

Henchman

Company Brief

Henchman is a manufacturer and supplier of custom-build tool kits with dual-colour foam inlays, vehicle fitouts, premium brand tools and storage solutions. For over 20 years Henchman has gained presence in Defence industry, supplying a wide range of NSN code tools and kits.

Tools and Kits with Custom Foam

• Custom designed hard foam inlays with clients' selection of premium brand hand and power tools, stored in water, dust and shockproof transit cases, drawer cabinets, wallboards or towable tool wagons. • Two-coloured foam for Tool Control (compliant with part 145). Can include Laser Etching on tools and foam. • Drawer fitout for vehicles. • Electronic tool control solution HenchmanTRAK for automated recording of issue and return of tools or whole kits.

Availability Designed and manufactured to order.

Website: www.henchman.com.au

HighCom

Company Brief

HighCom's purpose is to "protect the frontline protectors" by providing high-quality, unique ballistic protection products and exclusively sourced mission critical technology solutions to domestic and international markets. HighCom designs and manufactures body armour and helmets; and supplies, integrates, and supports a range of uncrewed systems for its customers.

HighCom Armour

HighCom is a global provider of body armour. HighCom design, develop, test, manufacture, and distribute dozens of National Institute of Justice (NIJ) compliant hard and soft armour products.The HighCom range includes: • Advanced Combat Helmets and Rifle Combat Helmets • Ballistic Hard Armour Plates (HAPs) • Ballistic and Stab Resistant Soft Armour (SAPs) • Ballistic resistant shields • Plate carriers and vests. HighCom uses the latest materials and process technologies to offer the lightest Level 3 through Level 4 (NIJ) body protection. HighCom products can be made in custom sizes, shapes and ordered in individual to large volumes.

Availability <3 months.

Website: www.highcomarmor.com

Holmwood Highgate

Engineering | Field Equipment | Humanitarian | Logistics | Manufacturing | Research & Development

Company Brief

Holmwood Highgate is a manufacturer of bulk liquid storage and transportation systems. Holmwood and Rheinmetall-MAN Military Vehicles Australia have partnered to provide deployable military products that meet the latest international inter-modal standards. The rugged, military standard bulk tanker modules are built to 20ft ISO container dimensions so are fully transportable by road, rail, air and sea. The modules allow easy transport of fuel and water for military operations, disaster relief, peacekeeping and humanitarian missions.

Mobile Tactical Retail Refuelling Systems

The unique upright tank design is a compact high capacity (993 USG max.) low set portable tank unit that is low maintenance, high durability. The unit is easily gravity drained at ± 5° from horizontal and has a distinct single baffle design providing longitudinal and lateral stability. It is available in multiple configurations and liquid compatibilities, including but not limited to fuel and water (potable and non-potable.)

Availability Designed and manufactured to order.

Website: www.holmwoodhighgate.com.au

Humanihut

Field Equipment | Humanitarian | Logistics | Manufacturing

Company Brief

Winner of the 2020 Australian Defence Industry Estate & Infrastructure Business of The Year, the Humanihut Field Infrastructure System (HFIS) is the ultimate solution in re-deployable field accommodation. The HFIS incorporates accommodation, ablutions, water, sewerage management and power, and can be scaled based on the operational task and enables fatigue management supporting the 24 hour field envirnoment.

Humanihut Field Infrastructure System (HFIS) Barracks

A short to medium term, high density HFIS "Barracks" configuration, can house up to 224 personnel in 28 huts and be transported in 7 containers by road, rail or air. It can be established in approximately one day on hard standing or a greenfield site. With a unique folding wall system, 7 huts flat pack into a standard container for transportation and storage. Each Hut is solid skinned, climate-controlled, and thermally insulated. Six containers convert to bathrooms.

Availability Designed and manufactured to order.

Website: www.humanihut.com

Ideation Product Solutions

Design | Engineering | Field Equipment | Manufacturing | Research & Development | Through-Life Support

Company Brief

Ideation Product Solutions is an Australian product design and manufacturing company, working closely with the Defence Science and Technology Group to bring innovative defence oriented ideas from concept to product. Application areas range from Human Performance through CBRN detection.

ESIM2.0 Environmental Stress Index Monitor

The ESIM2.0 is an OHS tool used as part of a Heat Stress Management policy, to avoid injury and/or fatalities to personnel operating in hot and humid environments.

Availability <3 months.

Website: www.ipsol.com.au

Lightning Protection International (LPI)

Artificial Intelligence | Communications | Electronic Warfare | Personal Protection | Ship Building | Training & Education

Company Brief

Lightning Protection International (LPI) is a premier designer, manufacturer, and distributor of direct strike protection, surge protection and earthing solutions with a 20-year legacy spanning 85 countries. Committed to uninterrupted operations and personnel safety, LPI also offer consultancy services to tailor solutions through meticulous design, rigorous testing, and comprehensive risk assessments. LPI seamlessly combines technical mastery with global impact, serving as a trusted guardian - ensuring precision, safety, and unwavering excellence in safeguarding critical infrastructures.

Direct Strike Lightning Protection

Direct strike lightning protection to capture lightning at a preferred point and convey the energy safely without electrifying the structure. Extending protection for personnel and equipment and injecting the energy safely in the ground or in the water. Packaged solution for induced energy on to service cables such as power, data and signal applications.

Availability <3 months.

Website: www.lpi.com.au

Lindo

Engineering | Field Equipment | Humanitarian | Manufacturing | Medical | Personal Protection

Company Brief

Lindo designs, constructs, and produces stationary lighting systems that enhance the overall health and well-being of military and emergency personnel, to enable them to not only survive but also thrive in their challenging roles. Lindo uses proven anti-microbial Blue Light (aBL) LED fixtures that not only mitigate the need for hazardous chemicals to disinfect surfaces but also reduce the resources associated with applying these chemicals. Light fixtures that are also applicable for the disinfection of air and water supplies.
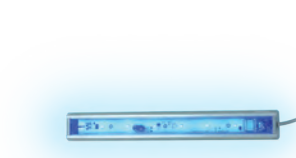
Lindo Light

Lindo Light is an engineered, fixed lighting solution designed to reduce the spread of disease within enclosed environments such as vessels, aircraft, deployable health and facilities.

Availability 3 - 6 months.

Website: www.lindo.au

Lunar Lighting

Design | Engineering | Field Equipment | Manufacturing

Company Brief

Lunar Lighting is a unique R&D focused lighting company with worldwide patents and trademarks. With a history spanning over 29 years, Lunar Lighting has made significant achievements in the growth and development of its unique range of anti-glare lighting solutions, with their engineering design and manufacture attracting a global customer base.

4800W LED Lunar Lighting Tower

• Patented Technology • Anti-Glare • Fully dimmable • Infra Red (optional) • 120 degree beam angle • Day Light colour temperature of 6000 degrees Kelvin producing Crisp white day light • LEDs rated for 50,000 Hrs • High Wattage 4800W LED Lunar Lighting Tower with an LED efficacy of 1,104,000 Lumens from a single light head • 360 degree lighting or directional lighting with 8x Independent segments of 45 degrees of light available. Lunar Lights can also be pole mounted or suspended inside buildings.

Availability <3 months.

Website: www.LunarLighting.com

Mackay Australia

Design | Engineering | Field Equipment | Logistics | Manufacturing | Research & Development | Through-Life Support

Company Brief

Mackay Australia is a designer, manufacturer, and distributor of engineered rubber and rubber composite products. They offer quality, innovative and bespoke solutions for the Defence, automotive, transport, rail, marine, mining, construction, and industrial markets. Mackay operates from modern manufacturing facilities in Australia and strictly adheres to ISO 9001-2015 & ISO 14001-2015 standards.

Engineered Rubber and Steel

Mackay designs and manufactures bespoke, fit for purpose, dependable products encompassing engineered steel and rubber solutions for land, sea, and weapon systems.

Availability Designed and manufactured to order.

Website: mackayrubber.com.au

Micro-X

Artificial Intelligence | Engineering | Manufacturing | Medical | Research & Development

Company Brief

Micro-X is a South Australia based SME providing Australian Sovereign Capability in domains including global and deployed military health, EOD & Counter IED, and Homeland Security. Proprietary cold cathode and Carbon Nanotube Technology has new and unique applications for X-ray, whilst allowing traditional X-ray products to be manufactured with significant reduction in size, weight and power requirements.

Argus | Stand-Off X-ray

Argus is a stand-off backscatter x-ray system designed for EOD and High-Risk Search. Remotely deployable, it can eliminate operator exposure and can access elevated and concealed locations. Argus excels at identifying the presence of energetic material and can perform component level diagnostics. Ideal for Military, law enforcement, Technical Surveillance Counter Measures, Explosive Ordnance Disposal, Improvised Explosive Device Disposal & Contraband search.

Availability <3 months.

Website: www.micro-x.com

Nobles

Design | Engineering | Field Equipment | Manufacturing | Test Equipment | Through-Life Support

Company Brief

Nobles has been involved in some of the most advanced lifting projects in Australia requiring exceptional engineering design, manufacture and supply. The Engineering team at Nobles, with many decades of combined specialist lifting experience, offers complete and innovative engineering lifting solutions, utilising advanced 3D modelling and Finite Elemental Analysis (FEA) simulation.

Medium & Heavy Vehicle Lifting & Recovery Blocks

The Engineering team at Nobles offers complete and innovative engineering lifting solutions, utilising advanced 3D modelling and Finite Elemental Analysis (FEA) simulation. Nobles have custom-engineered a new series of super-strong, light-weight and easy to assemble and disassemble lifting and recovery blocks. Nobles is now working with Defence primes on supplying similar blocks into additional domestic and export defence projects.

Availability 3 - 6 months.

Website: nobles.com.au

Norcoast Refrigeration Company

Field Equipment | Humanitarian | Manufacturing | Medical | Vehicles & Accessories

Company Brief

Norcoast Refrigeration has been a specialist manufacturer of Trailblaza portable 12/24 volt DC refrigerator-freezers since 1983. All units are individually handmade and individually tested at their factory, and can be customised to provide specific refrigeration solutions. There are well over 24,000 units in the field. We are currently involved in the tank upgrade programs for Australian Defence, and creating a prototype in conjunction with the US Army.

Trailblaza Portable fridge-freezer

This Trailblaza portable fridge freezer 40l unit, NSN 4110/661543460 , has been used in the Aslav, Leopard and Abram tank projects. The Trailblaza portable fridge-freezers have a proven record for robustness, reliability and the ability to work in high ambient conditions with high energy efficiency, serviceability and durability. Trailblaza Units are available from 20 litres to 200 litres.

Availability <3 months.

Website: www.norcoast.com.au

Onetide

Design | Engineering | Field Equipment | Logistics | Manufacturing | Research & Development

Company Brief

Onetide is an award winning, Australian owned and operated design engineering SME. Leveraging advanced high-temperature additive manufacturing to deliver high standard solutions to harsh and remote environments, Onetide's proprietary innovations in power, water, logistics and essential infrastructure enable rapidly deployable solutions for Defence, Space, Disaster Relief, Resources, and Maritime sectors. Onetide take pride in demonstrating measurable safety, time, cost & ROI benefits of our innovative designs.

Rapid ReelTM

Shore Power Cable Management system Rapid ReelTM & its land variant Mobile Power StandTM enable rapid deployment, retrieval, and storage of any spooled assets (Shore Power Cable, Flat-Fuel hose, umbilicals, hydraulic hose). Reducing time, resources and WHS risk exposure. Successfully implemented for Shore Power Cable management for the Royal Australian Navy, it has reduced a previously 40-person 3hr task to a 2-person 15minute task. Gaining national recognition for Defence and WHS Innovation. Currently under evaluation with USN-NAVFAC. Applicable to expeditionary roles, FARPs and over-the-shore sustainment, spooling of 800m 8", 6", 4" flat-fuel hose with couplings.

Availability 3 - 6 months.

Website: www.onetide.com.au

Pedders Shock Absorber Service

Design | Engineering | Manufacturing | Test Equipment | Through-Life Support | Vehicles & Accessories

Company Brief

Pedders has over 120 locations Australia wide and exports globally, and is in use with a number of country's military and law enforcement agencies. Pedders began with welding skills finding a niche in the automotive market repairing shock absorbers, and the company's growth is due to the determination, dedication, foresight of its people and vitally its focus on delivering the highest quality products to its customers.

Ruggedised suspension & brakes for Military grade usage

Range of high performance brake solutions for a full range of military vehicles.

Availability <3 months.

Website: www.pedders.com.au

Point Trading Group

Autonomous Systems | Field Equipment | Intelligence, Surveillance & Reconnaissance | Robotics | Ship Building | Vehicles & Accessories

Company Brief

Point Trading Group is an Australian company which has been delivering and supporting high-performance night vision equipment since 1987. Point Trading maintains a technological edge through their ongoing R&D program and collaboration with Europe's leading image intensifier manufacturers. Point Trading's system is supported by ISO certified quality assurance and EIA 632 engineering standard compliant processes and acquires a worldwide patent.

Night Eyes

Night Eyes is a patented military-grade night vision system, binocular or monocular helmet mount, hand held or weapon mounted devices providing the ability to undertake operations in low-light to very low-light conditions in all environments and terrain. The patented micro-processor on the electronic board internal to the NVG has been integrated, for recording tube and performance data and allowing the configuration of operating parameters.

Availability Designed and manufactured to order.

Website: www.pointtrading.com

REDARC Defence & Space

Design | Engineering | Manufacturing | Test Equipment | Through-Life Support | Vehicles & Accessories

Company Brief

REDARC Defence & Space is an Australian-owned and operated design-to-manufacture business leveraging world-class technology and advanced electronic manufacturing capabilities to meet the most demanding defence requirements. REDARC have an on-site test facility for pre-compliance and full lifecycle testing on electronics systems. With REDARC Defence & Space, assets deliver greater performance and safety functionality in mission-critical situations.

DC Power Supply

DC Power Supply units provide constant, regulated power for all types of loads. Making the DPS range ideal as an alternative to installing an auxiliary battery; the units also protect against reverse polarity, spikes or surges, short circuit, overload and over temperature. The engineered enclosure is designed to house low-noise DPS hardware, improving EMC/ EMI performance to meet the demanding OEM testing levels and minimise interference to sensitive equipment. The engineered enclosure provides enhanced system performance due to the unique heat sink housing and enables IP rated sealing of the unit.

Availability <3 months.

Website: www.redarcelectronics.com/au/defence-and-space

Ruslyn Holdings

Field Equipment | Manufacturing | Weapons & Ammunition

Company Brief

Ruslyn Holdings manufacturers and exports hand held lightweight and rugged reeling devices for use by defence, homeland security and industry. These reels are the Cordwheel, Pack Reel and Hook & Line Reel - currently used in Australia, NZ, Europe, USA, Japan, Israel, Canada, Sweden, Estonia, South Africa, Middle East, Asia, and NATO.

Ruslyn Pack Reel, Cordwheel and Hook & Line Reels

The Cordwheel, Pack Reel and Hook & Line reels are used extensively world wide in operations including EOD, CEID and communications or where any coil able products need to be deployed or retrieved.

Availability <3 months.

Website: www.cordwheel.com

SPINESUIT

Field Equipment | Medical | Personal Protection

Company Brief

SPINESUIT is an Australian technical apparel company specialising in the design and development of compression garments to improve soldier and athlete performance and recovery. SPINESUIT garments are designed to deliver physiological benefits to soldiers and to be worn as a base layer under soldiers uniforms while they train, perform or recover.

SPINESUIT M-SPEC

Spinesuit® base layer functional apparel is designed to help soldiers reduce the risk of back injury and improve spinal alignment, posture, performance and recovery. It achieves this by providing the wearer compression, spine support, and high wicking rates to ensure soldiers remain dry and cool. Spinesuit is available in a one piece or two piece garment.

Availability <3 months.

Website: spinesuit.com

Stealth Electric Bikes

Design | Field Equipment | Intelligence, Surveillance & Reconnaissance | Manufacturing | Through-Life Support | Vehicles & Accessories

Company Brief

Stealth Electric Bikes offer a range of solutions for rapid deployment and reconnaissance orientated tasks where stealth, endurance, and flexibility of ground operator movement is required. As the turnkey solution for tactical short to mid-range land mobility, Stealth Electric Bikes provide an energy efficient, negligible sound and heat signatures, low profile, all-terrain system for individual soldiers. In today's evolving field environment, silent, reliable and tactical ground movement is vital.

Lightweight Expeditionary Electric Personal Platforms

The Stealth Electric Bikes "Light Expeditionary" product range provides powerful and silent hybrid-electric power train with a reinforced, aircraft grade chassis to produce a peerless riding experience. Capable of over 80 kmph with a range of up to 80 kilometres, there are 4 different light expeditionary user models available, (with or without pedals) providing mission specific capabilities. Please refer to the company's website for more information.

Availability   <3 months.

Website: stealthelectricbikes.com

SYPAQ Systems

Design | Engineering | Intelligence, Surveillance & Reconnaissance | Manufacturing | Through-Life Support | Unmanned & Counter Unmanned Systems

Company Brief

SYPAQ is an innovative engineering and systems integration company providing technology management, consulting, integration, software development and support services across a broad range of technologies in sectors including Defence and Aerospace, Government and Private Enterprise. Combined with an array of products from technologies covering C4ISREW, Security, Simulation, Data Integration, ERP, and System Modernisation, SYPAQ delivers customers with end-to-end integrated and supported solutions.

Precision Payload Delivery Systems (PPDS)

Precision Payload Delivery System (PPDS) is a low cost disposable UAS that is optimised for the covert delivery of small volume payloads. PPDS is designed as an easy-to-use UAS that allows personnel to assemble the system quickly and easily with minimal tools.

Availability   3 - 6 months.

Website: www.sypaq.com.au

Tectonica Australia

Design | Field Equipment | Manufacturing | Vehicles & Accessories

Company Brief

Tectonica is a leading supplier of portable power and data solutions for a wide range of military applications and has over 15 years of experience in developing integrated power and data management and distribution systems for the dismounted soldier. Tectonica has specialist expertise in the development of highly efficient power conversion, protection, management and distribution electronics, and the integration of legacy equipment, on the soldier and in military vehicles.

BANTAM Power Scavenger

The BANTAM Power Scavenger lets the modern soldier simultaneously recharge a central battery and power connected devices. Soldiers can connect any power source and recharge their battery. A Maximum Power Point Tracker allows power from sources such as solar mat, vehicle, batteries, mains power and virtually any power source available in the field. Its unique, 'Z' shape design arranges three ports in a way that cleverly cradles bulky cable connectors and gets rid of uncomfortable protrusions. The BANTAM has been designed specifically for soldiers that need a power distribution capability.

Availability   3 - 6 months.

Website: www.tectonica.net

Trakka Systems

Field Equipment | Intelligence, Surveillance & Reconnaissance | Optical

Company Brief

Trakka Systems designs, manufactures, and delivers sophisticated high-intensity searchlights, gyro-stabilised camera systems, and optical technologies that see, save and protect, in the air, on land, or at sea. The innovative products provide active and passive critical vision solutions for a wide range of missions that include Law Enforcement, Search and Rescue, Border Security, Military Force Protection and Environmental Surveys.

TB-200 (Recon) and TB-300 (Tracker) Polarised Binoculars

Trakka Systems proudly presents a range of tactical, polarised binoculars. Incorporating the Patented (US Patent No. 9,470,901.) integrated optical array ensures that the viewer's image is optically correct while always providing a clear polarised image across the whole field of view. Offering users all the advantages of true polarised filtration to block out reflected light from surfaces such as water, windows, and land, all while adding depth to the field of view and clearer 3D images.

Availability   3 - 6 months.

Website: www.trakkasystems.com

Universal Site Monitoring

Communications | Field Equipment | ICT & Cyber | Medical | Personal Protection | Training & Education

Company Brief

Universal Site Monitoring (USM) design and develop Personal Safety Monitoring Systems including integrated wearable personal safety monitoring devices, communications hubs, reporting, and safety management software, plus ancillary products, providing essential safety data accessible from anywhere at any time. It provides continuous live, critical operational data, with early warning/alerts, trend, heat mapping monitoring and instant communications. The configurable features and functions are customised to suit any operational needs.

Personal Safety Monitoring System

The Personal Safety Monitoring System is designed to monitor personnel and their environment in real-time, from one handheld personal safety monitoring device, feed live data analytics directly to the control room alert on potentially dangerous situations, allowing proactive decision making. The patented technology monitors Air quality, Location, man down events, Ambient air temperature, Ambient noise level, Speed / course, Biometric condition and more. The device also has real-time communication through voice call and text messaging.

Availability 6+ months.

Website: www.universalsitemonitoring.com.au

Varley Group

Design | Engineering | Field Equipment | Manufacturing | Through-Life Support | Vehicles & Accessories

Company Brief

Varley is an Australian engineering and manufacturing provider. Varley excels in the design, manufacture, integration and sustainment of Mission Critical and Support Systems across the Land, Air, Sea and Cyber domains.

Deployable Expandable Secure Facility

Varley's Deployable Expandable Secure Facility provides an environmentally protected workspace for mission planning, crew briefing, intelligence officers and ICT system administrators. It has a footprint of an ISO 1C container and can withstand military transport and handling conditions and operate in harsh environments. The Deployable Expandable Secure Facility is made of laminated panel construction to achieve acoustic dampening and thermal insulation and it can be fitted with heating, ventilation and air conditioning and more.

Availability 3 - 6 months.

Website: www.varleygroup.com

Viper WRL

Engineering | Field Equipment | Manufacturing | Through-Life Support

Company Brief

Viper Wire Rope Lubricator is manufactured in Australia. A family-owned business that manufactures and supplies superior wire rope lubrication equipment and lubricant to the Mining, Oil and Gas, Shipping, Marine, Defence Force and and other relevant industries. Serving a global market through a dedicated network of distributors in more than 80 countries and are committed to delivering customer excellence the first time, every time.

VIPER MID MK 2 WIRE ROPE LUBRICATOR

The Viper is an automated wire rope lubricator system manufactured in Australia, which enables wire ropes to be safely, quickly, and effectively lubricated extending their life significantly. Eliminating manual lubrication, minimizing downtime, and ensures operational readiness. The Viper uses every gram of lubricant, eliminating waste and reducing environmental impact. The Viper Mid MK 2 is suitable for wire ropes 6mm to 67mm. The solution includes Seals, Scraper Plates, Cleaners and Lubricant for maximum operational performance. NATO NSN 4730-66-9603.

Availability <3 months.

Website: viperwrl.com

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Section Four

6. Humanitarian Aid & Disaster Relief

Adagold Aviation
CiTech
First Aid Safety Training
Hospital Products Australia
Life h2o Australia
McDermott Aviation
Minelab Electronics
OPEC Systems
Real Response
Sure Aqua Corporation

A Defence Export Permit may be required for the products and services shown on each of the following pages

Adagold Aviation

Humanitarian | Logistics

Company Brief

Adagold Aviation proudly provides a range of aircraft and private jet charter flights to various departments of the Commonwealth of Australia, the Australian Federal, state and local government to metro and remote destinations across Australia and the world. As Australia's leading independent provider of government charter flights, the Adagold Aviation team are experts in managing complex and sensitive private jet travel.

Air Charter Services - Passenger & Cargo

Adagold Aviation has been providing humanitarian services around the globe for decades. Adagold Aviation's team of expert charter flight management specialists understand the urgency and sensitivity of these types of missions and look to create bespoke end-to-end solutions that help take the pressure off the personnel involved. Adagold Aviation's experience in procuring and managing private jet charter flights for humanitarian purposes has extended from peace-keeping endeavours to aid during natural disasters, and are proud to serve those in need in a timely, effective manner.

Availability <3 months.

Website: www.adagold.com

CiTech

Autonomous Systems | Communications | Humanitarian | Intelligence, Surveillance & Reconnaissance | Manufacturing | Robotics

Company Brief

Manufacturer of autonomous mobile self-deploying platforms for use as communication, drone detection or surveillance systems. Located in South Fremantle Western Australia and situated between the head offices of the world's largest resource companies and Perth's heavy industry hub, CiTech operates from a 3,000m2 factory with R&D laboratories, testing and production facilities.

Nexus 16

The Nexus 16 is a 20ft container sized, technology-agnostic platform that supports a walk-in equipment room, batteries, solar arrays and generators along with a 16m folding tower (250kg payload capacity). Transportable on any truck able to carry a standard 20ft container, the Nexis 16 can unload itself, adapt to sloping or uneven ground and then deploy a 16m cyclone rated tower. All within 30 minutes. Technology applications include Communications, Video Surveillance, anti-drone, counter UAS, and air defence systems.

Availability 3 - 6 months.

Website: www.citech.com.au

First Aid Safety Training

Field Equipment | Humanitarian | Medical | Personal Protection

Company Brief

First Aid Safety Training are a company founded on the principles of clinical and training excellence in all matters of Pre-Hospital Care. The company's innovations are through the HESKETTs.

HESKETT

The HESKETT is a unique Australian medical invention. It encapsulates initiatives in battlefield survivability for both allied combatants and civilians. Its makeup is 70% first aid equipment, 20% Intensive Care paramedic equipment and 10% Chemical, Biological, Radiological Nuclear (CBRN) safety equipped. Its primary function is a is as Forward Command Control (FCC) post. It also acts as a Point of Safety (POS) for soldiers under fire. Its method of deployment is varied including high altitude aerial insertion or truck delivery.

Availability <3 months.

Website: www.firstaidsafetytraining.com.au

Hospital Products Australia

ICT & Cyber | Medical | Through-Life Support

Company Brief

Hospital Products Australia (HPA), is a market-leading provider of healthcare solutions to Hospitals, Day Surgeries, Clinics and Aged Care across Asia Pacific. Renowned for innovation and excellence, HPA has grown to become one of the most trusted names in the healthcare industry. HPA stand out as a global partner network of leading brands coupled with superior service and support, in four core divisions of Surgical, Patient Monitoring and Life Support, ICT, and Infrastructure.

Rapidly deployable capital healthcare solutions

HPA offers Deployable isolation rooms, UVC air-treatment systems, medical capital and consumable equipment for surgical/patient treatment areas, and medical-grade ICT solutions.

Availability 3 - 6 months.

Website: hpaust.com

Life h2o Australia

Field Equipment | Humanitarian | Logistics | Medical | Research & Development | Through-Life Support

Company Brief

Life h2o is a 100% Australian owned company committed to providing cutting edge innovation and sovereign capability to Australian and Allied Defence Forces, for Military Operations, Humanaitarian Aid and Disaster Relief efforts.

Life-Port WPDS

Designed in collaboration with the Australian Defence Force, Life-Port WPDS is a military grade deployable offgrid water purification and desalination system. Supplied in a variety of configurations and outputs, the system produces up to 150 liters per hour of safe drinking water from any source. For increased operational flexibility and efficiency power options are available in 12 or 24 volt DC and 240 volt AC with additional solar, vehicle alternator or generator/grid power recharge capabilities.

Availability <3 months.

Website: www.lifeh2o.com.au

McDermott Aviation

Humanitarian | Logistics | Medical

Company Brief

McDermott Aviation (McDAV) are Industry leaders in timely deployment and professional delivery of many different heli-aviation roles. McDAV have a fleet of 50 aircraft that are able to be deployed across the nation or internationally as required, often being tasked to undertake humanitarian relief through to specialist lifting services for projects. This compliments the Defence force in operations from precision lifting, aeromedical retrieval, and crew transfer services.

Aviation Support

Aviation support including precision helicopter lifting up to 2,750kg, aerial fire fighting, resupply missions, internal/external cargo, personnel transport, Search and Rescue and Aeromedical Support flying.

Availability <3 months.

Website: www.mcdermottaviation.com.au

Minelab Electronics

Design | Field Equipment | Humanitarian | Manufacturing | Research & Development

Company Brief

Minelab Electronics provides metal detection technologies for humanitarian demining and military applications. Through dedication to research and development and innovative design, Minelab is a leading world manufacturer of handheld metal detector products. Since 1998, Minelab has supplied metal detectors throughout the world including UN demining programs.

MDS-10 Dual Sensor Detector

The MDS-10 combines unique Metal Detection and Ground Penetrating Radar technologies to provide superior results in the detection of metal and non-metal targets. Features include selectable or combined use of sensors, detection, interrogation and pinpointing modes, continuous real-time display, tactical mode for use with NVG, selectable audio, haptic and visual alerts, and an operational weight of 2.8 kg

Availability 3 - 6 months.

Website: minelab.com

OPEC Systems

Engineering | Field Equipment | Humanitarian | Manufacturing | Medical | Training & Education

Company Brief

OPEC Systems is a privately owned Australian environmental engineering company established in 1992. With strong values and focus on best business principles OPEC has forged a reputation for honesty, flexibility, ingenuity and teamwork. Consistently operating the most hazardous environments, OPEC has an unwavering commitment to safety and professionalism in specialist industry sectors of Defence, energy, marine, and the environment. OPEC Systems is on the Defence Infrastructure Panel (DIP).

SAFF® - PFAS Remediation System

OPEC's award-winning, patented PFAS remediation system, SAFF® (Surface Active Foam Fractionation) is a sustainable solution, using the power of rising air bubbles to rapidly remove harmful target contaminants from groundwater, landfill leachates and RO reject water. SAFF® achieves high PFAS concentration factors, making it easier and cheaper to dispose of PFAS waste. Invented by OPEC's division, EPOC Enviro, SAFF® is a containerised system, that is a portable, robust, low maintenance, and mature solution; proven on many sites throughout the world.

Availability <3 months.

Website: opecsystems.com

Real Response

Artificial Intelligence | Humanitarian | Medical | Training & Education

Company Brief

Real Response has established itself as a world leader in innovative simulation-enhanced training. The Real Response team leverages cutting-edge technology to deliver exceptional outcomes through both live and synthetic simulation. Real Response's highly experienced team is passionate about fulfilling the mission of 'preparing people for the realities of emergency situations'.

BlueRoom XR

BlueRoom is Real Response's bespoke mixed reality training platform, designed for organisations to train fine motor and physical skills in simulated complex environments. Equipped with a sophisticated mission control interface, trainers can precisely orchestrate scenarios, track participant's actions and monitor their biometrics in real time. This integration of technology and training expertise makes Blueroom a groundbreaking tool in its mission to deliver rigorous and revolutionary training experiences.

Availability <3 months.

Website: www.blueroomxr.com

Sure Aqua Corporation

Field Equipment | Humanitarian | Manufacturing | Medical

Company Brief

Sure Aqua Corporation is an Australian owned and based company that manufactures quality products that consistently exceed international standards, as verified by independent laboratories. Sure Aqua has been registered by the United Nations for the supply of water filtration products (UNGM).

Survival Jerrycan

The Survival Jerrycan utilises world-class ultra-filtration membrane and absorption material technology, providing instant access to safe water. • Removes bacteria and viruses (including COVID) • Requires no energy or fuel • Instantaneous Water Access • Very Portable • Holds approximately 18.5 litres • Absorption filter for improved taste and removing many chemicals • Built-in backwash lasting for 100,000 litres of water • Very easy to use • 5 year shelf life • Military tested

Availability <3 months.

Website: www.sureaqua.com

ADROITA	Doen WaterJets	Norship
Allied Data Systems	Dongara Marine	Ocius Technology
AMC Search	Fiomarine	Pivot Maritime International
Ascent	Franmarine	Sea Swift
Australian Pump Industries	Griffin Marine Services	Sentinel Boats
B&R Enclosures	IPACS Australia	Steber International
Birdon	Leidos Australia	The Whiskey Project Group
C2 Robotics	Liferaft Systems Australia	Tropical Reef Shipyard
Custom Works	Metromatics	Versalux Lighting Systems

A Defence Export Permit may be required for the products and services shown on each of the following pages

ADROITA

Artificial Intelligence | Engineering | Logistics | Ship Building | Through-Life Support | Weapons & Ammunition

Company Brief

ADROITA is a rapidly growing, female-led, veteran-owned and operated firm that provides engineering, technical and asset management services to the Australian Department of Defence, prime contractors, and global partners. ADROITA supports the Australian Department of Defence and global partners to acquire, build, maintain and sustain some of the most complex assets in the Australian inventory now and into the future.

Naval Engineering, Technical and Asset Management

ADROITA has proven experience in the delivery of technical, engineering and asset management services specialising in maritime and naval technologies and capabilities. Our highly skilled engineers and other professionals are leaders in their field and operate across all stages of the capability ADROITA has conducted R&D and developed proprietary technology in machine learning-enabled decision support to assist naval asset owners with complex planning, scheduling and decision analytics.

Availability <3 months.

Website: www.adroita.com.au

Allied Data Systems

Design | Engineering | Manufacturing | Research & Development | Space Capabilities | Test Equipment

Company Brief

Allied Data Systems develops embedded computing systems for military, mining and industrial customers. Products include rugged Computers, Network Attached Storage, Doppler Velocity Logs, Underwater Telephones, MIL-STD-1553 data bus equipment, synchro and resolver conversion systems.

Model 3045 Doppler Velocity Log

The 3rd generation Model 3045 Doppler Velocity Log for measuring speed in surface and underwater platforms including ships, submarines and autonomous vehicles. The Model 3045 uses proven phased array technology to provide the highest accuracy for any Doppler system. The Model 3045 is militarised and tested to MIL-STD-461 and MIL-STD-810. The Model 3045 and remote terminals provide large 12.1 inch graphical display of ships speed, bottom depth and heading and can provide current profiling for hydrographic surveying and data logging.

Availability Designed and manufactured to order.

Website: www.allieddata.com.au

AMC Search

Autonomous Systems | Design | Engineering | Research & Development | Ship Building | Training & Education

Company Brief

AMC Search Ltd. is a multidisciplinary training, simulations, engineering, science and technology company offering a range of services to the Defence industry. Services include Autonomous Maritime Systems (AMS) training, AMS engineering, including sensor development, object search and location, Naval Architecture, port development studies, small and large vessel handling training, and fast rescue craft training. AMC Search also offer a range of other consultancy services in Maritime Infrastructure Engineering, Structural Design and Analysis, System Integration and Test and Evaluation.

Autonomous Underwater and Surface Vehicle Training

AMC Search is a world leader in the delivery of Autonomous Maritime Systems (AMS) training. Our training courses have been developed in conjunction with the Royal Australian Navy and can, if required, be delivered anywhere in Australia and beyond. Current courses include AMS Fundamentals, AUV Basic Operator, AUV Technical Training, AUV Mission Controller and USV Operator.

Availability <3 months.

Website: www.amcsearch.com.au

Ascent

Engineering | Research & Development | Test Equipment | Through-Life Support | Unmanned & Counter Unmanned Systems | Weapons & Ammunition

Company Brief

Ascent is a specialised consultancy focused on the provision of engineering, project management and risk management services to the Department of Defence, Australian Space Agency and Defence Prime Contractors. We are a customer-focused company that firmly believes in the philosophy that our success is ensured by the success of our clients.

CorroVision

A Machine Learning and AI-based tool designed for MIL-STD-1530D compliance whilst addressing the issue of unscheduled corrosion impacting readiness on military platforms.

Availability 3 - 6 months.

Website: www.ascentps.com.au

Australian Pump Industries

Field Equipment | Ship Building | Through-Life Support

Aussie Pumps

Company Brief

Australian Pump Industries is a wholly Australian owned company operating from a 2 1/2 acre factory facility as both a commercial pump manufacturer and a major support for Defence, with particular emphasis on navy pumps, valves and other key mission critical equipment including power converters. The Sea Skipper is a wholly Australian initiative designed to provide lightweight portable fire and salvage capabilities on board Royal Australian Navy vessels.

Aussie Sea Skipper

Lightweight portable diesel engine-drive sea water pumps, suitable for firefighting and salvage at sea. The products are unique and are an extension of the Aussie Seamaster range currently being used by Armidale Class, Huon Class Minehunter, and ANZAC Class Navy vessels.

Availability   <3 months.

Website: aussiepumps.com.au

B&R Enclosures

Design | Engineering | Manufacturing | Research & Development | Ship Building | Through-Life Support

BR PROUDLY AUSTRALIAN

Company Brief

B&R Enclosures specialises in the design, manufacture and integration of electro-mechanical solutions including enclosures, 19" racks and junction boxes for Defence and other demanding applications. B&R provide engineering services to support our customers through their projects and are renowned as subject matter experts when it comes to protecting equipment and packaging technology.

Marine 19" Rack Cabinets - Lightweight and Rugged

B&R's Marine 19" Racks are designed for Naval Maritime applications to protect systems and equipment. A fully welded lightweight marine grade aluminium frame, the racks are available in sizes from 14RU – 39RU, supplied with or without shock isolator mounts and include thermal management. B&R also manufacture a range of IP66 enclosures designed for housing terminations, pushbuttons, instrumentation in marine environments for above and below deck applications including Hazardous Area zones.

Availability   <3 months.

Website: www.brenclosures.com.au

Birdon

Autonomous Systems | Design | Engineering | Humanitarian | Ship Building | Through-Life Support

birdon

Company Brief

The Birdon Group is an Australian-owned prime contractor and manufacturer, providing whole-of-life solutions to multi-national defence, government, marine, energy, and resource customers. A world-leading designer and manufacturer of specialist vessels, Birdon delivers over 100 military watercraft annually. Birdon also delivers large and complex environmental and disposal projects, such as recycling of ex-military land, sea, and air assets, and works involving expert dredging and salvage.

Bridge Erection Boats (BEB)

Transportable by road, air, and sea, Birdon's BEBs are used worldwide to provide propulsion and maneuvering capability for the assembly, operation, and dismantling of wet gap crossings. The BEBs' secondary mission is to provide diving support, troop transport, and personnel and equipment recovery. The BEBs were designed by Birdon for the Australian Defence Force in 2004. These boats feature Birdon's NAMJet waterjet propulsion for unparalleled thrust and speed, with optional armour systems and weapons mounts.

Availability   6+ months.

Website: www.birdongroup.com

C2 Robotics

Artificial Intelligence | Autonomous Systems | Design | Engineering | Field Equipment | Unmanned & Counter Unmanned Systems

C2 ROBOTICS

Company Brief

C2 Robotics is a specialist in robotics, autonomous systems and artificial intelligence based in Melbourne, Australia. Innovation, rapid concept development and iterative prototype fielding is at our core, with a key focus on developing innovative systems across the maritime, land and air domains. Our team is comprised of a group of highly experienced industry veterans in the AI and robotics fields.

Speartooth LUUV

Speartooth is a Large Uncrewed Underwater Vehicle (LUUV) designed for long range, long duration undersea operations. It brings a combination of highly advanced capabilities together with a modular, rapidly reconfigurable design specifically focused on manufacturing scalability and a revolutionary cost point that enables high volume production and deployment.

Availability   3 - 6 months.

Website: c2robotics.com.au

Custom Works

Manufacturing | Ship Building

Company Brief

Custom Works is an aluminium design and fabrication company servicing the marine and transport industries. Custom Works proudly designs and builds many of North Australia's premier aluminium boats. These boats are a competitive choice in maritime sectors including Water Police, Tourism, Education, Sea Rangers and SES. Custom Works aims to produce a tailored solution for any situation, focusing on integrity and quality.

Custom Works Z8600LC

The Z8600 Landing Craft has been developed as a universal vessel for transporting goods and UTV vehicles along remote Northern Territory Coastline. The design provides excellent stability with the capability to perform in moderate sea states. The shallow draft is suitable for tidal and estuarine environments. The vessel is compliant to AMSA NSCV Class 2C. Length Overall 9.45m, Measured Length 7.80m, Moulded Beam 3.40m, Draft 0.45m, Max Displacement 5t, Vessel Speed - 25Kn, Pax/Crew 12 Pax +2 Crew

Availability 6+ months.

Website: www.customworksnt.com.au

Doen WaterJets

Design | Engineering | Manufacturing | Ship Building

Company Brief

Established in 1971, Doen WaterJets is a leading designer and manufacturer of high-performance waterjet propulsion systems. Doen WaterJets offers one of the most extensive and versatile waterjet portfolios in the market. Doen's mission is to provide superior performance, reliability and simplicity at every stage of a vessel's life cycle. Doen WaterJets is an ISO 9001: 2015 Quality Management System certified company, accredited by DNV.
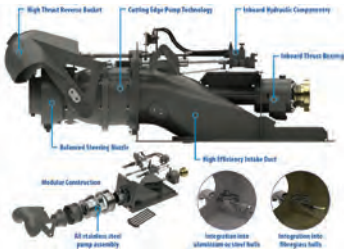
Waterjet Propulsion Systems

Currently there are 16 models in Doen WaterJets range suiting engine powers from 100 to 5000hp. There are also a variety of Doen's own control systems available for each model to suit different application and budget requirements.

Availability 3 - 6 months.

Website: doen.com

Dongara Marine

Engineering | Manufacturing | Ship Building

Company Brief

Dongara Marine builds custom vessels up to approximately 35 metres in length from aluminium and composite materials. Dongara Marine is a supplier to numerous government agencies and a member of the Defence Marine Support Services (DMSS) Maritime Assurance Panel. Certified to ISO 9001, ISO 14001, and ISO 45001.

25 metre Offshore Patrol Vessel

• 25 metre aluminium monohull patrol vessel with stern launch and recovery ramp for 5.5 metre sea boat. • Fully loaded speed of 25+ knots and 1000 nautical miles range at 20 knots. • Accommodation for 10 personnel and 14 days endurance. • Suitable for operations up to 200 nautical miles offshore and fitted with twin keels and gyrostabiliser for enhanced seakeeping. • First of class contracted and due for launch in 2025. • Design and equipment can be fully customised to suit end user requirements.

Availability Designed and manufactured to order.

Website: dongaramarine.com.au

Fiomarine

Communications | Design | Field Equipment | Manufacturing | Research & Development | Through-Life Support

Company Brief

Fiomarine is an Australian-owned and accredited company, located in Tasmania, and the sole developers and manufacturer of the Fiobuoy®. Supplying to Defence (including the Royal Australian Navy and United States Navy) for more than 20 years, Fiomarine has worked with RAN, Defence Science, and Technology Groups on various special projects, modifying its technology to suit the application and deployment conditions.

Fiobuoy Submersible Marine Marker Buoy and Retrieval System

More than just a submerged or pop up buoy, the Fiobuoy is an innovative piece of marine equipment. It will conceal and secure underwater equipment whilst simultaneously allowing for simple and safe retrieval. Unlike other acoustic release and retrieval systems, Fiobuoys are manufactured as a complete product. With Fiomarine there is no need to source or fit separate components. It is ready for deployment on delivery, therefore lowering your Total Cost of Ownership and ensuring simple servicing and increased warranty protection.

Availability <3 months.

Website: fiomarine.com

Franmarine

Autonomous Systems | Engineering | ICT & Cyber | Logistics | Robotics | Through-Life Support

Company Brief

Franmarine is an innovative Australian owned subsea and technology organisation. We support the maritime sector with the macro challenges of the 21st Century such as biofouling management, digitisation and decarbonisation while maintaining optimum performance and extending asset service life. Franmarine deliver underwater sustainment capability to the Royal Australian Navy and extend this support to allied forces within the region.

Underwater Sustainment and Bio-fouling Management

Powered by the MarineStream™ blockchain technology bio-fouling and underwater asset management platform, Franmarine's capabilities include: Underwater sustainment programs, bio-fouling management and marine bio-security compliance programs, in-water hull cleaning, niche area cleaning and invasive marine species treatment, Surface force and submarine fleet propeller polishing, ROV inspection, In Water Survey (IWS), Non-Destructive Testing (NDT), docking support, Mooring services, Emergency response, salvage, rescue and recovery.

Availability <3 months.

Website: www.franmarine.com.au

Griffin Marine Services

Engineering | Manufacturing | Ship Building | Through-Life Support

Company Brief

Griffin Marine Services (GMS) have been providing a quality and professional marine engineering services with experienced, qualified and certified personnel Australia wide, with over 60 years of shipbuilding, ship repairs, marine maintenance and management experience and knowledgeable qualified resources.

GMS Capabilities - Land and Sea, 24/7

GMS offers support services to the Defence and commercial sectors. GMS' experienced workforce includes welders, boilermakers, painters, insulators, trade assistants, mechanical fitters, hydraulic specialists, load testing and non-destructive testing (NDT). GMS boasts an extensively skilled and expert management team, strategically positioned throughout the country. With state managers in Western Australia, New South Wales, Queensland, and the Northern Territory, they ensure comprehensive coverage and support.

Availability Designed and manufactured to order.

Website: www.griffinmarineservices.com.au

IPACS Australia

Artificial Intelligence | Research & Development | Ship Building | Test Equipment | Through-Life Support

Company Brief

IPACS designs, develops and sells asset management sensors, technology and software. IPACS is at the forefront in the collection, monitoring and reporting of real-time ship performance. IPACS Marine Asset Management technology helps avoid equipment failure and extends the life of machines. IPACS sensors and data acquisition units have been certified to confirm to the EN50155 railway electronic standards. IPACS technology has been accredited by Lloyd's Register and Det Norske Veritas for installation on-board many marine platforms in Europe.

IPACS Marine Asset Management Technology

The IPACS technology collects real time data from sensors installed on machines. These sensors generate information such as vibration, speed and temperature. IPACS technology securely analyses and transmits data from anywhere in the world. At the Defence Maintenance facility, Level 3 ISO certified vibration analysts use this data to determine the mechanical health of the asset in real-time. IPACS then provides reports in clear, easy to-understood formats, enabling defence and contractors to make informed and timely decisions.

Availability <3 months.

Website: www.ipacs.net.au

Leidos Australia

Artificial Intelligence | Autonomous Systems | Engineering | ICT & Cyber | Intelligence, Surveillance & Reconnaissance | Research & Development

Company Brief

As a partner to the Australian Government for 25+ years, Leidos Australia has assisted delivery of some of the country's most complex software and systems integration projects. Leidos delivers projects and services through five lines of business – Airborne Solutions, Civil Services and Projects, Defence Digital Solutions and Support, Mission Systems and Intelligence. Leidos' customers enjoy the advantage of a 2000+ local workforce, backed by its global expertise, experience and capabilities.

FASK - Fly Away Survey Kit

The FASK is a deployable Rapid Environmental Assessment (REA) hydrographic system that attaches to the gunwale or pontoon of a craft (RHIB, LUB) and provides an IHO Order 1A quality survey in water depths from 1-30m, operating in Sea States up to SS3. Leidos Australia can configure the system for different hydrographic missions; including alternate sensors, and hydrographic processing software to meet specific user needs.

Availability 3 - 6 months.

Website: www.leidos.com.au

Liferaft Systems Australia

Humanitarian | Manufacturing | Ship Building | Through-Life Support

Company Brief

Liferaft Systems Australia (LSA) is a dynamic company formed specifically for the design and manufacture of high quality Marine Evacuation Systems (MES) and large capacity life rafts. LSA has developed a product that is synonymous with quality and reliability, which is of paramount importance in the marine safety industry. The LSA range of MES provide rapid and safe evacuation for all types and sizes of personnel carrying ships.

Marine Evacuation Systems

The LSA MES is installed on a wide range of military craft throughout the world. These include littoral combat ships, landing platform and dock ships, expeditionary fast transport (EPF) vessels, offshore patrol vessels, primary casualty receiving ships and aircraft carriers. LSA MES are compact and lightweight and provide for safe and rapid transfer of all personnel, including injured and stretcher cases, directly from the vessel into large capacity life rafts via an inclined evacuation slide. The MES can be deployed in less than 60 seconds and can evacuate 600 persons per MES station in under 30 minutes.

Availability Designed and manufactured to order.

Website: www.lsames.com

Metromatics

Design | Engineering | Field Equipment | ICT & Cyber | Manufacturing | Research & Development

Company Brief

Established in 1989, Metromatics specialises in the design, manufacture and integration of Customised Rugged Lightweight 19" Electronic Equipment Racks and consoles for the Naval platforms (surface and subsurface). Metromatics Racks are qualified to shock, vibration, environmental Military Standards, along with many other applicable certifications.

19" Racks and Consoles

Electronic racks safely house the necessary electrical and electronic equipment required on-board Submarines and Naval Vessels for Defence Personnel. Metromatics produce racks that are rugged, lightweight, weigh up to 1/3 less and yet still have a payload of 250+kgs. A lower weight allows Defence Forces to carry other essential equipment without overloading, ensuring the safety of Defence personnel.

Availability 3 - 6 months.

Website: metromatics.com.au

Norship

Design | Engineering | Manufacturing | Ship Building | Through-Life Support

Company Brief

Norship boasts a professional workforce hailing from shipbuilding, engineering, and defence backgrounds specialising in a range of services including vessel construction, Integrated Service Support solutions, National Fleet management, and reliable Ship Repair and Maintenance services. Norship clients include Defence, Border Force, Emergency services, and commercial sectors across Australasia and the Pacific Island Nations.

Maritime Through-Life Support

Norship provides the full spectrum of Shipyard Services, from concept, design, prototype, construction, and maintenance support through to docking, emergent repairs, complete refits, and disposals. The Norship team consists of experienced architects and engineers providing design, drafting and certification services. The 2nd and 3rd generation ship builders and tradesmen ensure work is undertaken to a quality standard and efficiency.

Availability 3 - 6 months.

Website: www.norship.com.au

Ocius Technology

Autonomous Systems

Company Brief

Ocius Technology Ltd designs, manufactures, operates and sustains a fleet of sovereign Uncrewed Surface Vessels (USV) designated "Bluebottles". Operational trials have been conducted for Defence including ABF, and RSFG - Army. Bluebottles have also been a leading technology demonstrator at Autonomous Warrior over a number of years. The Ocius operation and sustainment model enables the company to support Defence across a range of capabilities covering ISR, ASW and Gateway Communications.

Bluebottle USV

Ocius "Bluebottle" Uncrewed Surface Vessel (USV) power large payloads, roam widely, and stay at sea for months at a time. Ocius USVs offer economic and operational advantages over conventional methods in a multitude of industries. Utilising solar, wind and wave power, these vessels can autonomously monitor designated areas for months at a time.

Availability 3 - 6 months.

Website: www.ocius.com.au

Pivot Maritime International

Artificial Intelligence | Autonomous Systems | Engineering | Manufacturing | Research & Development | Training & Education

Company Brief

Pivot Maritime International manufactures shiphandling and navigation simulation systems, specialising in portable simulators designed for mission rehearsals, vessel and port design, vessel and crew performance assessments, and shiphandling and navigation training. Pivot simulators comply with international seafarer training and assessment requirements.

Containerised Simulator

The vessel bridge simulator has 360 degree visuals and is housed in a shipping container for immersion, security and transportability. The simulator is equipped with real ship controls and navigation equipment, with Integrated Navigation and Bridge System consoles. Configurations include with helm seating or with up to 8 navigators standing on bridge floor. Other features include Olfactory (smell) effects, vibrating floor and console instrumentation. The modelling database provides real world vessels, ports, and sea areas. Customised modelling is also available.

Availability 3 - 6 months.

Website: www.pivotmaritime.com

Sea Swift

Communications | Electronic Warfare | ICT & Cyber | Intelligence, Surveillance & Reconnaissance | Space Capabilities | Unmanned & Counter Unmanned Systems

Company Brief

Sea Swift is one of Northern Australia's largest shipping companies, with an extensive marine transport network providing essential freight services and project support across the region. The company provides world-class maritime engineering, maintenance, and logistics support to remote and urban communities. One of the largest employers in the region with more than 450 staff, Sea Swift is ideally positioned to support, assist and deliver to customers, from individuals to national and international clients.

Logistics Support

Sea Swift's own vessels and support craft service a range of inshore and offshore Defence operations, including oil and gas projects, and search and recovery tasks. Other Defence services include vessel charter to relocate equipment (in harbour and to remote locations), fuel services (from vessel to vessel), and ammunition barges.

Availability <3 months.

Website: www.seaswift.com.au

Sentinel Boats

Design | Manufacturing | Ship Building

Company Brief

Sentinel Boats is an Australian owned boat manufacturer delivering proven sovereign capability in the design, build and sustainment of High Density Polyethylene (HDPE) watercraft and workboats. With over 25 years of experience in the boat building industry, Sentinel Boats specialises in creating safe, robust and long-lasting vessels for the defence, security, rescue and aquaculture industries.

The Sentinel

The Sentinel range is constructed from High-Density Polyethylene which outperforms alternative hull types in manufacture, durability and whole-of-life costs. Designed in collaboration with Australian naval architects One2three, The Sentinel range is customisable in a range of lengths and configurations. All vessels can be seamlessly integrated into existing defence fleets and C5ISR systems, and have autonomous capability.

Availability Designed and manufactured to order.

Website: sentinelboats.au

Steber International

Design | Engineering | Manufacturing | Ship Building

Company Brief

Steber International is a family owned business, with a highly professional workforce custom building vessels ranging from six to 20 metres. Steber's core business of composite component manufacture is undertaken in climate-controlled conditions, allowing 24 hour production as required. In addition, the facility has designated areas for construction, fit-out, engineering and sheet metal (stainless steel and aluminium); and on-site manufacture of internal cabinetry, furniture and upholstery.

Defence vessels - various styles and functions

Steber International manufacture customised vessels for a variety of uses across the Australian Government's Department of Defence and various State Government maritime bodies. These include, but are not limited to, Mine countermeasure, RHIBs, USVs, Research, Diving, Training. We also provide Architects, Surveyors, CAD, Refits and Repairs. Pictured is the Investigator II, a 60ft (18 metre) Fisheries Research Vessel built for a foreign Government customer.

Availability Designed and manufactured to order.

Website: www.steber.com.au

The Whiskey Project Group

Autonomous Systems | Design | Engineering | Manufacturing | Research & Development | Ship Building

Company Brief

The Whiskey Project Group comprises Australian and New Zealand maritime technology and naval architecture companies supplying with high-performance military, patrol, emergency service and recreational watercraft, manufactured in carbon fibre and aluminium between 4m-20m long.

Whiskey Multi Mission Reconnaissance Craft

The Whiskey Multi Mission Reconnaissance Craft family, are combat craft consisting of the Alpha (30ft) and Bravo (40ft) variants. Combining operationally focused features; improved payload and future proofed technology; these vessels are air droppable and multi mission capable with modularity and personnel safety built in. Specifically designed for roles in defence, HADR, law enforcement, maritime security operators around the world. The Whiskey Project Group have earned the reputation as being the 4WD of the Sea.

Availability Designed and manufactured to order.

Website: www.thewhiskeyprojectgroup.com

Tropical Reef Shipyard

Engineering | Manufacturing | Ship Building | Through-Life Support

Company Brief

Tropical Reef Shipyard (TRS) is a maintenance, repair, and refit facility. Awarded an ABR by US Navy, TRS has over 20 years of servicing Navy and paramilitary boats in the Indo-Pacific region, including US Army boats. • Supports FIFO ops in remote areas • The largest lift capacity in Northern Australia, capable of hauling out 3000 tons and 110m OAL vessels • 9.2m ALW channel, wet berths, and dry dock up to 135m • Wet berths provide all services including 220 ton crane • Boilermakers, Fitter/Turners, Blasting/Painting, and partners provide all capabilities.

Tropical Reef Shipyard

Deep water MRO berths with all services. TRS boasts the largest slipway north of Brisbane and one of the largest in the Pacific. Combined with deep-water berths and outfit/repair wharves, TRS are able to cater to many different size vessels. This allows for slipway or in water repairs of vessels.

Availability 3 - 6 months.

Website: www.trshipyard.com.au

Versalux Lighting Systems

Design | Engineering | Field Equipment

Company Brief

Versalux, established in 1979, is a service-oriented organisation that engineers, develops, distributes, assembles and delivers quality lighting systems with innovative technology. Versalux delivers lighting solutions to all major Navy platforms, tunnel lighting, the marine, mining, oil and gas (on and offshore), and hospital sectors. The portfolio includes exterior, interior, underwater, explosion proof, and medical lighting, Heli-deck systems, HCL-lighting systems, and night vision lighting.

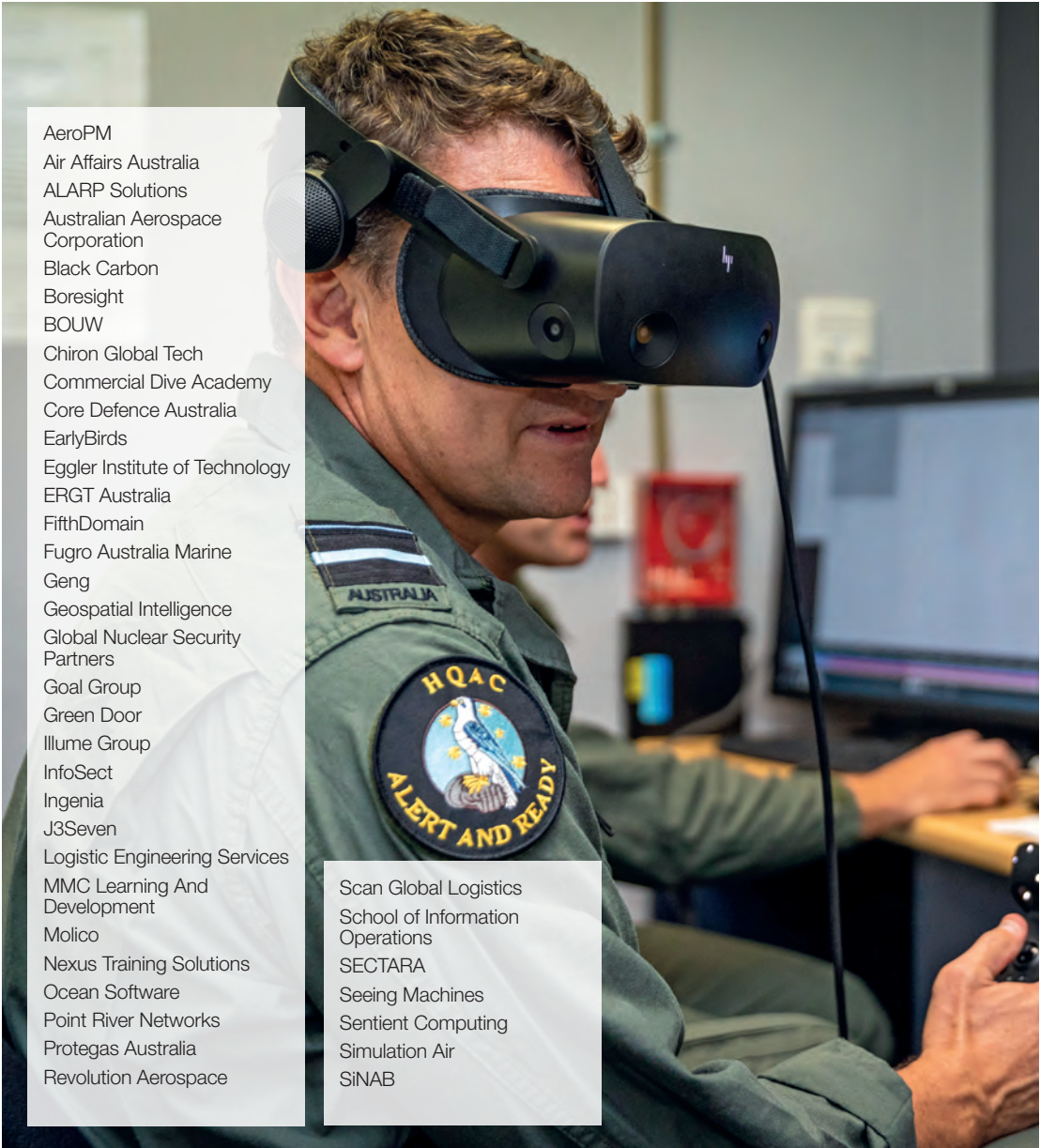### Maritime, Industrial and Commercial Lighting

Offers include: Flood Lights, Work Lights, Down Lights, Search Lights, Navigation and Signaling lights, Emergency Lights, and Helideck lights.

Availability 3 - 6 months.

Website: www.versaluxmarine.com.au

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Section Four

8. Professional and Training Services

AeroPM
Air Affairs Australia
ALARP Solutions
Australian Aerospace Corporation
Black Carbon
Boresight
BOUW
Chiron Global Tech
Commercial Dive Academy
Core Defence Australia
EarlyBirds
Eggler Institute of Technology
ERGT Australia
FifthDomain
Fugro Australia Marine
Geng
Geospatial Intelligence
Global Nuclear Security Partners
Goal Group
Green Door
Illume Group
InfoSect
Ingenia
J3Seven
Logistic Engineering Services
MMC Learning And Development
Molico
Nexus Training Solutions
Ocean Software
Point River Networks
Protegas Australia
Revolution Aerospace

Scan Global Logistics
School of Information Operations
SECTARA
Seeing Machines
Sentient Computing
Simulation Air
SiNAB

A Defence Export Permit may be required for the products and services shown on each of the following pages

AeroPM

Electronic Warfare | Engineering | Logistics | Test Equipment | Through-Life Support | Unmanned & Counter Unmanned Systems

Company Brief

AeroPM is a veteran-owned and operated professional services firm supporting Defence to acquire complex, integrated capabilities, enabling the ADF. AeroPM personnel are knowledgeable, client-focussed and authentic leaders in their fields, who leverage their qualifications, skills and experience to perform in complex strategic environments. AeroPM consistently provides premium quality services, delivering outcomes for its clients.

Defence Consulting (Air & Space)

AeroPM works with Defence to deliver a range of complex technical projects. AeroPM personnel are highly qualified and customer focussed authentic leaders who are trained to perform in complex strategic environments. Through it's people, AeroPM aspires to offer your program inter-disciplinary and cross-functional teams or individuals.

Availability <3 months.

Website: www.aeropm.net

Air Affairs Australia

Design | Engineering | Intelligence, Surveillance & Reconnaissance | Maintenance Repair Overhaul (MRO) | Manufacturing | Unmanned & Counter Unmanned Systems

Company Brief

Air Affairs Australia (AAA) is an air operations and engineering based company. AAA manufactures and provides services for the Phoenix Remotely Piloted Aerial Target Drone, and is currently in operational service with ADF. AAA own and operate a fleet of special mission Learjet aircraft, providing specialised air training support services to Defence.

Phoenix Jet Remotely Piloted Aerial Target

The Phoenix Jet has been developed specifically for the Defence industry as a high performance training solution for a variety of gun and air defence missile systems. The Phoenix Jet provides a realistic threat simulation and enhancements such as MDI, Smoke, IR and Luneburg lenses can be added to meet the requirements of a wide range of weapon systems. AAA provides operational UAV and target drone services: pre-exercise planning, logistic support, flight operations, scoring, tracking, and post trials analysis form part of the turnkey operation.

Availability 3 - 6 months.

Website: www.airaffairs.com.au

ALARP Solutions

Engineering | Training & Education

Company Brief

ALARP Solutions provides governance, risk management and systems safety solutions to supporting private and government organisations seeking to implement risk and safety management frameworks, policies and practices that improve business outcomes, whilst complying with legislation and adopted standards. ALARP Solutions' small team of highly qualified and experienced consultants, offering specialist expertise in enterprise governance, risk management and systems safety.

System Safety Services

ALARP Solutions provides a range of system safety services, including System Safety Program development and management, Safety Case planning and production, Formal Hazard Identification & Analysis, Safety Risk Assessments to support a 'reasonably practicable' (SFARP) position by the duty holder, Safety Management System (SMS) development, audit and assessment, Human Factors Engineering, development of safety policy, regulation and procedures, training, and Independent Safety Audits and Assessments.

Availability <3 months.

Website: www.alarpsolutions.com.au

Australian Aerospace Corporation

Intelligence, Surveillance & Reconnaissance | Research & Development | Robotics | Through-Life Support | Training & Education | Unmanned & Counter Unmanned Systems

Company Brief

Australian Aerospace Corporation works as advisors to customers across international and Defence industries, providing operations, technical assessments, strategy and planning, procurement and process, technology implementations and process engineering.

Technology Implementation Management

AAC's Technology Integration, Training and Lifecycle Management Programs ensure optimum efficiency, effectiveness and endurance is obtained from technology implementations into operational platforms. Maximum human interactive capability is operationally reached and maintained by applying thorough analysis, testing, training and procedural rigor throughout the acquisition, implementation, and maintenance stages of the ILS life cycle.

Availability <3 months.

Website: www.ausaerocorp.com

Black Carbon

Design | Engineering | Manufacturing | Research & Development | Test Equipment | Through-Life Support

Company Brief

BLACK CARBON is ISO 9001:2015 certified and specialises in small arms steel target systems. BLACK CARBON has expanded the range and technology to include moving and remote systems that are customisable, adaptable and innovative. The target systems are designed to improve the key fundamentals of combat engagement and shooting such as, situational awareness, reaction, accuracy and hit recognition. BLACK CARBON's primary aim is to accelerate learning curves and up skill through effective training experiences.

Auto Reset Popper Remote/Timer system

BLACK CARBON's ARP-RT is a wireless automated reactive steel target system with an operational range of over 2km. The ARP-RT systems are modular and can be coupled with BLACK CARBON's moving Modular Travel Track System (MTTS), and can be efficiently deployed and recovered via specific trailer system.

Availability   <3 months.

Website: www.blackcarbon.com.au

Boresight

Autonomous Systems | Design | Engineering | Manufacturing | Training & Education | Unmanned & Counter Unmanned Systems

Company Brief

Boresight is a world leading manufacturer or low-cost and swarming capable Uncrewed Aerial Target (UAT) platforms and a provider of CUAS Training and Red Teaming services. The emerging threat posed by drones, from cheap quadcopters used for surveillance through to sophisticated attack drones is changing the nature of warfare and public safety. Government agencies and C-UAS companies need a high performance and cost-effective training solution. Boresight provides that capability.

Counter Drone Training and Red-Teaming

Boresight provides a Counter-Drone Training and Red-Teaming capability to the global counter drone market. Boresight has developed a purpose designed flight management software along with a range of Uncrewed Aerial Targets (UAT's), including our BQ400 Raider and BF150 Fixed-Wing UAT's. Boresight supports the Counter-Drone Training requirements of the ADF and was awarded a Defence Innovation Hub Grant in February 2022 to further develop its Swarming and C2 mimicking technologies.

Availability   <3 months.

Website: www.boresighttargets.com

BOUW

Design | Engineering | Training & Education

Company Brief

With offices situated nationally, BOUW provides bespoke solutions in two areas. One for those wanting to expand their company's success in the Defence infrastructure sector. The other provides advice on the design and maintenance of shooting ranges, target systems and ballistic treatments.

BOUW Range Consultants

We provide clients independent advice on range and training facility design and operations. BOUW has consulted on some of the most sophisticated Security Agency and Special Forces training facilities around the world. We utilise the newest technology from around the globe to support you to deliver the live-fire facilities that achieve your training liability requirements.

Availability   <3 months.

Website: www.bouw.com.au

Chiron Global Tech

Field Equipment | Manufacturing | Personal Protection | Training & Education

Company Brief

Chiron Global Tech is an innovative Australian technology company that has developed a unique, highly protective and agile body armour platform to increase survivability amongst defence, law enforcement, security and corrections personnel. Manufactured from advanced composite materials, Chiron's-X Series is the result of over five years R&D and testing, and offers unparalleled levels of protection and agility. Chiron's flagship Chiron-X1 Elite reduces injuries in training and increases training realism.

Chiron-X1 Elite

Chiron-X1 Elite high impact CQC training suit takes combative training to new levels of realism. Prioritising both agility and protection, Chiron-X1 allows personnel to 'train as they fight' using realistic combat force and speed, and enabling non-lethal training munitions (NLTM) training inside traditional safety distances. Chiron-X1 is engineered for high-impact, high-speed strikes to vital CQC targets including head/neck/throat, providing high levels of protection against compression and hyper-rotation to the head and neck.

Availability   3 - 6 months.

Website: chironglobal.tech

Commercial Dive Academy

Humanitarian | Medical | Training & Education

Company Brief

Commercial Dive Academy is a commercial dive training facility primarily based in Tasmania, with dive sites located around Australia. The school provides training for onshore, offshore and closed bell (saturation) diving using SCUBA and mixed gas surface supply. Students graduate with internationally accredited certifications issued by ADAS and IMCA. The school has a range of experienced tutors with backgrounds in science, salvage and oil and gas industries.

Commercial Diver Training

Commercial diver training for SCUBA to 30m, SSBA to 30m, SSBA to 50m and Saturation (Closed Bell) to 300m. Additional certifications offered include Onshore/Offshore Supervisor training, Diver Medic Technician (DMT) and Assistant Life Support Technician (ALST) training.

Availability <3 months.

Website: www.commercialdiveacademy.com

Core Defence Australia

Intelligence, Surveillance & Reconnaissance | Ship Building | Space Capabilities | Through-Life Support | Training & Education

Company Brief

Core Defence Australia provides a range of specialist services across all of the domains. These services consist of, but are not limited to, capability development, operation analysis, portfolio, program and project management, infrastructure and construction, business support, finance, continuous improvement, engineering, integrated logistics support, and data analytics.

Specialist Defence Services

Core Defence Australia provides a range of specialist services across all of the domains. These services consist of, but are not limited to, capability development, operation analysis, portfolio, program and project management, infrastructure and construction, business support, finance, continuous improvement, engineering, integrated logistics support, and data analytics.

Availability <3 months.

Website: www.CoreDefenceAustralia.com.au

EarlyBirds

Artificial Intelligence | ICT & Cyber | Intelligence, Surveillance & Reconnaissance | Research & Development

Company Brief

EarlyBirds is an Open Innovation and OSINT platform that captures and monitors global industry capabilities. EarlyBirds offers three major avenues that can help Defence and National Security agencies plan and operationalise a pathway towards targeted global industry capabilities and innovations.

OSINT Platform

EarlyBirds Open Innovation and Open-Source Intelligence platform monitors global industry capabilities and innovations. It provides access to industry intelligence at a global level.

Availability <3 months.

Website: earlybirds.io

Eggler Institute of Technology

Training & Education

Company Brief

The Eggler Institute of Technology (EIT) is a leading global provider of professional technical workforce learning and development solutions. EIT's high quality, cost-effective education and training courses are used by governments and private sector companies worldwide. Flexible onsite, on-demand and live-online courses are tailored to required learning and development outcomes.

Education and Training Courses

EIT's specialist education and training programs are designed to develop essential knowledge and skills needed by capability developers, systems engineers, project managers and other technical staff working on high technology defence projects. EIT's education and training programs are delivered in the following key areas: capability systems design; systems engineering; military vehicle technology ; firepower and survivability technology; mechanical and manufacturing engineering; integrated logistic support; and technical leadership.

Availability <3 months.

Website: www.eit.global

ERGT Australia

Training & Education

Company Brief

ERGT was founded on the understanding that immersive, experiential learning results in greater competence and capability in safety and emergency response training. ERGT's strategy has and continues to be anchored on building high-fidelity fixed training facilities at key hubs across Australia. The strict adherence to the highest standards sets us apart from our competitors, making ERGT the provider of choice for industries.

Helicopter Underwater Escape Training (HUET)

ERGT Australia (RTO 2534) provides specialist safety, survival and emergency response training to high-risk industries. ERGT is a provider of Offshore Petroleum Industry Training Organisation (OPITO) and Australian Defence Force (ADF) HUET training in Australia. ERGT HUET facilities offer Modular Egress Training Simulator systems (METS®). ERGT provides training through dedicated and directly managed facilities located in all mainland states of Australia.

Availability 3 - 6 months.

Website: www.ergt.edu.au

FifthDomain

ICT & Cyber | Training & Education

Company Brief

FifthDomain is a trusted by government and enterprise as a sovereign technology leader in cyber talent performance analytics. FifthDomain provides cyber skills assessments and capture the flag competitions to uplift and measure performance in cyber operations. FifthDomain's cyber skills performance technologies and services include: • Precise cyber skills assessments • Gamified challenges • Cyber e-sport, capture the flag (CTF) competitions to hone cyber skills. • Cyber talent analytics

Cyber Skills Assessments

FifthDomain's platform offers precise cyber skills assessments, and eliminates candidate technical skill uncertainty with detailed cyber operations skills assessments. FifthDomain optimise client's recruitment, onboarding and upskilling activities with cyber operations performance analytics that communicate what clients need to know to safeguard their cyber capability. FifthDomain's skills assessments are mapped to cyber workforce frameworks.

Availability <3 months.

Website: fifthdomain.com.au

Fugro Australia Marine

Intelligence, Surveillance & Reconnaissance | Research & Development | Through-Life Support

Company Brief

Fugro is a world leading geo-data specialist, collecting and analysing comprehensive information about the Earth and the structures built on it. Fugro provides the specialist people, equipment, expertise and technology to safely map marine and land environments. Fugro also has a significant Research and Development capability within Australia to provide hydrographic survey solutions that enable efficient operations, improved data quality, and expedited product delivery for clients and end users.Fugro have also engaged in the design and build of dedicated MetOcean buoys and Autonomous Surface Vessels (ASVs) for Hydrographic Survey operations.
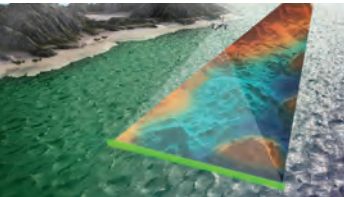
Fugro LADS (Laser Airborne Depth Sounder)

The Fugro LADS HD+ (Laser Airborne Depth Sounder) is the most recent version of the Fugro Airborne LiDAR Bathymetry system which accurately collects data over both marine and coastal zone environments. The HD+ has doubled the laser rate, allowing for increased data density over the coastline, for an increased level of detail in mapping this environment. First developed by the DSTO for safe and efficient data collection in the near shore environments that could not be efficiently surveyed by conventional vessels, the system has evolved to remain the safest and most efficient method to collect data in the marine environment.

Availability 6+ months.

Website: www.fugro.com/about-fugro/locations/asia-pacific/australia

Geng

Design | Engineering | Field Equipment | Manufacturing | Research & Development | Training & Education

Company Brief

Geng is a company of consulting engineers in product design, development, testing and manufacturing. The company specialises in targets, items and materials for live fire training.

'All Plastic' Knock Down Target System

The Geng 'all plastic' knock down, flat pack, target system has optional 'resetting' or 'stay down' targets. It offers good durability to multiple shots, reacts to 9mm, 5.56mm and SRTA rounds. The system is easily assembled by hand, and when damaged, targets are easily swapped. The resetting target offers speed in training and safety through not requiring personnel to reset. An optional body panel has six optional self-adhesive decals for training in recognition and the 'click in' arms support mock-up weapons.

Availability <3 months.

Website: www.geng.com

Geospatial Intelligence

ICT & Cyber | Intelligence, Surveillance & Reconnaissance | Optical | Research & Development | Space Capabilities | Training & Education

Company Brief

Geospatial Intelligence (GI) has been providing geospatial solutions to customers since its inception in 2002. GI collaborates with clients and data partners to make sense of disparate data sets and complex location data, facilitating strategic and operational decision making. GI supplies clients with geospatial solutions across geospatial information systems (GIS), satellite imagery and analysis, satellite AIS, AI and ML, OSINT, consulting, training, and knowledge transfer services.

Geospatial and Imagery Analysis Training

Geospatial Intelligence offers comprehensive training in the use and analysis of imagery for IMINT (Imagery Intelligence) and GEOINT (Geospatial Intelligence) from satellite, fixed wing and rotary aircraft with electro optical (EO) including infrared and radar (Synthetic Aperture Radar) sensors. The training consists of theoretical courses including lectures, case study analysis, and practical work. Module-based training offers the client flexibility to suit their requirements.

Availability <3 months.

Website: geoint.global

Global Nuclear Security Partners

Intelligence, Surveillance & Reconnaissance | Training & Education

Company Brief

With unmatched expertise and a comprehensive approach, Global Nuclear Security Partners (GNSP) offer services across the civil and defence nuclear sectors and the entire nuclear fuel cycle. GNSP is uniquely positioned to deliver a comprehensive, end-to-end approach to nuclear security and radiological risk management. GNSP excels in providing agile, independent, timely and cost-effective solutions and acts as an "intelligent customer" for independent assurance bringing innovative approaches to the most demanding challenges.

Nuclear Security Consulting Services

Engaging with GNSP provides immediate access to a broad range of nuclear security expertise, efficient service delivery, a proven track record of managing complex projects, an unbiased external perspective, and flexible engagement options across six pillars. These benefits save GNSP's clients time, resources, and effort compared to recruiting and developing an internal team.

Availability 3 - 6 months.

Website: www.gnsp.global/australia

Goal Group

ICT & Cyber | Training & Education

Company Brief

Goal Group employs Defence veterans and specialists who understand and provide guidance on the Defence acquisition process and through-life asset management requirements. Goal supports businesses entering the Defence sector with a dedicated Export Control and ITAR consulting group. Goal owns and employs Defence Grade AI capabilities across all its professional services. For clients seeking to work with the Australian Defence Force or increase bid competitiveness, Goal Group can deliver the specialist support needed.

GuardWare - Cyber Security

The GuardWare cyber product suite provides protection, visibility, and control of shared data outside enterprise protected environments, including engineering design files, sensor data, source code, office files, PM files, videos. GuardWare verifies that only authorised individuals are accessing data and ensures data is persistently protected through advanced transparent encryption techniques. GuardWare Australia has partnered with Quintessence Labs to develop a globally leading Quantum Resilient Encryption product line.

Availability <3 months.

Website: www.goalgroup.com.au

Green Door

Intelligence, Surveillance & Reconnaissance | Research & Development | Training & Education

Company Brief

Green Door is a veteran owned Australian intelligence and security consulting company. Green Door provides a range of services including intelligence and security advice, specialist recruiting of intelligence professionals, training and education support, as well as other tailored consulting solutions.

Green Door Intelligence and Security

Green Door Intelligence and Security provides consultants and services to support both short and long-term requirements. Green Door staff are highly trained in various intelligence and security methodologies, hold current security clearances at various levels, and have significant experience in military, law enforcement and corporate environments. The Green Door team of predominantly military and law enforcement veterans deliver services based on many years of experience, often gained in highly complex and demanding environments globally. Services are delivered with the highest levels of discretion, professionalism and integrity.

Availability <3 months.

Website: www.greendoor.com.au

Illume Group

Training & Education

Company Brief

Illume Group specialises in upskilling individuals, teams and organisations to improve project and delivery management capability, including training to strengthening teams, team leaders and executives in project management skills that are recognised globally.

The Illume Academy

The Illume Academy is for organisations that need to upskill individuals, teams and organisations to improve agile project and delivery management capability. It is aimed to assist team leaders, executives and teams who have been tasked with delivering a project or key outcome but don't necessarily have a strong background in project management. The Illume Academy goal is to help clients deliver projects better by offering an accessible way to develop their capability based on the tried and tested methods that have successfully supported our clients globally.

Availability <3 months.

Website: illume.group

InfoSect

ICT & Cyber | Research & Development | Training & Education

Company Brief

InfoSect is a proven Cyber Security training provider, supplier of software security consulting, and a contributor of novel cyber security research. InfoSect is regarded as a specialist training provider worldwide. InfoSect provides consulting services in software assurance and is prolific in computer research. InfoSect has been responsible for providing over 100 patches in the Linux kernel, including core security changes.

Vulnerability Research

InfoSect offers specialised vulnerability research services. Infosect experts can assess a product, whether an embedded system or software, for security defects. A detailed analysis of the results are provided and can include proof-of-concepts (PoCs), remediation advice, or risk mitigation strategies. InfoSect can also train teams in order to perform vulnerability research in-house with a suite of specialty course offerings.

Availability <3 months.

Website: infosectcbr.com.au

Ingenia

Design | Engineering | Field Equipment | Through-Life Support

Company Brief

Ingenia provides engineering consultancy services across the industrial, commercial, and defence sectors. From project initiation to commissioning and closeout, Ingenia offers full lifecycle support, ensuring seamless project management. With extensive experience in Mechanical, Structural/Civil, and Risk Management disciplines, its unique strength lies in providing fully integrated engineering design for brownfield/greenfield and turnkey projects.

Engineering Consulting

Ingenia's core capabilities include project management, structural / civil engineering, mechanical engineering, design, and risk management. Our project management expertise spans from FEED studies, cost estimates, and tender support through to commissioning support. In engineering, they specialise in brownfields / green fields, industrial and commercial design, covering buildings, platforms & accessways, cranes, process integration, bulk storage, machine design, and pressure vessels.

Availability <3 months.

Website: www.ingenia.com.au

J3Seven

Autonomous Systems | Field Equipment | Personal Protection | Through-Life Support | Training & Education

Company Brief

J3Seven is a leading global system integrator with trusted distributor partnerships to many of the most respected global companies in EOD, C-IED, Exploitation, and Virtual Reality systems. As a 100% Australian veteran-owned business, J3Seven understands the operator, equipment, and environmental interfaces. Their solutions provide quality assurance within the world of defence, security, and emergency services by sourcing cutting-edge products, consultancy, training, and maintenance services across the joint domain.

RAPTOR

RAPTOR features a broad spectrum of applications, including realistic static line (SL) and free-fall parachute simulation. This system covers Military Freefall (MFF) mission profiles, including High Altitude – Low Opening (HALO) and High Altitude – High Opening (HAHO), with oxygen jump modes with force feedback. Equipped with an easy-to-use graphical interface, RAPTOR provides the instructor with an operator station for mission planning to simulate real-life conditions; each element is designed to render the jumpers experience as realistic as possible.

Availability Designed and manufactured to order.

Website: j3seven.com

Logistic Engineering Services

Engineering | Logistics | Through-Life Support | Training & Education

Company Brief

Logistic Engineering Services (LES) is a Consulting and Professional Service Provider (PSP) delivering Integrated Logistics Support services in acquisition and sustainment. LES offer a network of experienced project managers, engineers, logistic analysts, programmers, trainers and technical personnel, thereby providing solutions to management, engineering, maintenance, engineering logistics, logistic and training needs.

eLESPro

eLESPro is the packaged suite of LSA tools developed by LES to provide a complete LSAR solution compliant with DEF(AUST)5692, MIL-STD-1388-2B (and soon GEIA-STD-0007) and the LORA requirements of MIL-STD-1390D. The eLESPro suite includes eMRD, eLSA, eLORA (operate from the same underlying database) and eMRDCompanion. eLESPro provides the ability to create and maintain LSAR for both the acquisition and through-life support phases of materiel management. eLESPro also provides a number of data set management functions and health reports and the ability and perform economic and non-economic Level of Repair Analysis and compare LSAR against a baseline data set.

Availability <3 months.

Website: www.les.net.au

MMC Learning And Development

ICT & Cyber | Intelligence, Surveillance & Reconnaissance | Training & Education

Company Brief

MMC Learning and Development provides specialist services in support of their client's learning continuum. MMCLD has a unique ability to translate and link learning, knowledge and business requirements to established learning practices and technology options, creating solutions from the breadth of technology available in the marketplace ensuring longevity in the provided solution.

Training Support

• Training Systems Integration • Integrated Learning Environments • Training Program Strategy Development and Planning • Training System Technical Support • Computer Based Training (CBT) • Training Transformation • Simulation • Learning Management Systems • Learner Data Analytics • Live Video and Animation Production

Availability <3 months.

Website: www.mmcld.com.au

Molico

Communications | Design | ICT & Cyber | Logistics | Research & Development | Training & Education

Company Brief

With a team of security cleared personnel including specialist technicians, analysts and trainers, Molico delivers a comprehensive understanding of the strategic environments in government and commercial domains. Molico operates around three key tenets of analytics, intelligence, and communications, which are essential to understanding, planning and executing successful projects.

Surveillance Capability Development

Molico designs, develops, implements and trains in the use of persistent surveillance capability. This includes developing and upgrading sensors and software, and situational awareness systems and the integration of intelligence and information systems into Command and Control (C2), Communications, Computers and Intelligence (C4I) networks, high-end integration across platforms, trusted autonomous systems, and systems that provide Defence with improved situational awareness.

Availability <3 months.

Website: molicogroup.com.au

Nexus Training Solutions

Training & Education

Company Brief

Nexus Training Solutions (NTS) is an Australian, veteran owned company, made up of veteran personnel providing training and learning management solutions to military, government and corporate clients globally. They work closely with clients to create unique training outcomes based on experience and understanding of operational and learning requirements with the goal of training future generations to be better than the one that came before.

Training Management System

The Nexus Training Management System is a modular training tool and resource database. The tracker provides users and supervisors with the ability to plan and view training events, manage currency and qualification status, and provide reports on unit readiness and training levels. The Hardpoint Quick Reference Graphics (QRG) are the system's application-based training aids that provide operators with up-to-date reference material and operator instructions.

Availability <3 months.

Website: nexustrain.com

Ocean Software

Artificial Intelligence | ICT & Cyber | Through-Life Support | Training & Education

Company Brief

For 30 years, Ocean Software has helped Defence organisations simplify their complex military operations. Its mission is to help unlock defence workforce potential in real-time to enable better decisions today, to plan for tomorrow and to prepare for the future. Ocean's flagship product, FlightPRO, has transformed flight training operations across the globe, increasing safety in pilot training through its extensive scheduling and qualifications management engine.

FlightPRO®

FlightPRO® operations and training management software provides a comprehensive COTS-based solution to military and commercial aviation. Trusted by 13 militaries worldwide, FlightPRO® not only simplifies complex operating environments but embodies the very principles of modern, connected and integrated air operations. Modules include Operations Scheduling, Currencies & Qualifications, Reporting and Training. Additional modules include Long Range Planning (LRP), rostering, Joint Ops, Outlook Connect, and LMS integration.

Availability 3 - 6 months.

Website: ocean.software

Point River Networks

Artificial Intelligence | Communications | ICT & Cyber | Research & Development

Company Brief

Point River Networks (PRN) is an Indigenous owned and all-female lead company providing ICT infrastructure and professional services including recruitment solutions to government. PRN is a Certified Supply Nation company dedicated to providing opportunities to women and Aboriginal and Torres Strait Islander Australians.

Indigenous Recruitment services

Point River Networks provide recruitment services in the Information and Communication Technology, Accounting and Finance and Project Management sectors. Point River Networks have affiliations with TAFE and University Indigenous education centres to provide pathways for employment into cyber careers. Point River Networks has developed an eco-system to support Indigenous students from high school through to job placement.

Availability <3 months.

Website: www.pointriver.com.au

Protegas Australia

Intelligence, Surveillance & Reconnaissance | Training & Education

Company Brief

Protegas Australia is a trusted intelligence professional services provider for industry and the public sector. Protegas offers deep Defence, national security and law enforcement intelligence, security and information warfare expertise, aligned with strong commercial and business operations experience. Protegas is positioned to support Australia's goal of a sovereign Defence and national security industry with the capability, readiness and resilience to help meet Australia's needs.

Intelligence Professional Services

Protegas Australia's services include: Intelligence and Security Professional Services, Training Services and Consulting Services.

Availability <3 months.

Website: www.protegas.com.au

Revolution Aerospace

Artificial Intelligence | Autonomous Systems | Electronic Warfare | Engineering | Research & Development | Unmanned & Counter Unmanned Systems

Company Brief

Revolution Aerospace (RevAero) is an Australian owned small-to-medium enterprise (SME) with significant expertise in autonomous systems, particularly Uncrewed Aerial Systems (UAS) and Unified Traffic Management (UTM) technologies. RevAero provide professional and technical services; and conduct advanced R&D underpinning the ongoing development of UTM ecosystems, in Australia and abroad. RedAero are developing several mission-enabling payloads for carriage by Uncrewed Aerial Vehicles (UAVs) to support the civil and Defence sectors.

Uncrewed Systems Consulting

The RevAero team are highly experienced systems engineers, project managers and aerospace/operational consultants with expertise in the fields of Artificial Intelligence (AI)/Machine Learning (ML)UAS/UTM, and autonomous systems technologies. RevAero experts can provide support including: UAS Policy and guidance development, Concept development, System Requirements, Definition Piloted and Remotely Piloted Aerospace Test and Evaluation / Trial Design, Engineering and Systems Safety, UTM and emerging Technology, Modelling and Simulation.

Availability <3 months.

Website: www.revn.aero

Scan Global Logistics

Logistics

UNCOMPLICATE YOUR WORLD »

Company Brief

As a trusted partner providing supply chain solutions for the UN, NATO, Governments, DoD Contractors and MNCs for more than 15 years, Scan Global Logistics possesses deep Defence Logistics expertise and capability. Whether Air or Sea charter, AOG shipments, movement of military vehicles and materiel or inland logistics in some of the world's most difficult locations, the committed and experienced team at Scan Global Logistics can be relied on for safe and timely delivery anywhere in the world

Logistics

Scan Global Logistics solutions include Air and Ocean Freight, Air and Ocean Full and Part Charter services, Express and AOG movements, Inland Logistics including remote and difficult locations, Heavy Lift, special requirements and complicated movements, Customs and Border Clearance, and 24/7 Global Defence Control Tower Service.

Availability <3 months.

Website: www.scangl.com

School of Information Operations

Communications | Electronic Warfare | Intelligence, Surveillance & Reconnaissance | Space Capabilities | Training & Education | Unmanned & Counter Unmanned Systems

School of Information Operations

Company Brief

SOIO offers individuals and organisations training solutions and operational understanding of warfare across all domains. SOIO's courses cover critical operational domains and topics, including Electronic Warfare (EW), Undersea Warfare (USW), Space Operations, Maritime Operations, Cyber Frameworks, Electro-Optical/Infrared systems and Uncrewed Aerial Systems (UAS). Participants receive training solutions backed by some of the most knowledgeable and experienced operators in their fields.

SC001 Introduction to Electronic Warfare (EW)

This course provides students with the basic principles of Electronic Warfare (EW) in all domains. The course introduces the three pillars of EW – Electronic Support (ES), Electronic Attack (EA) and Electronic Protection (EP), Radar, Electro Optics (EO) principles and associated operational support concepts. The course also discusses offensive and defensive cyberspace operations. Practical scenarios and workshops are utilised to support operational EW concepts.

Availability <3 months.

Website: www.soio.com.au

SECTARA

ICT & Cyber | Intelligence, Surveillance & Reconnaissance | Training & Education

Company Brief

SECTARA™ enables practitioners to create and complete Defence-ready risk assessments quickly, simply and with methodological rigour. Data libraries promote productivity and clients can assess security risks alongside health, safety, environment and even enterprise risks, all within the same assessment. Military-grade encryption prevents unauthorised access to sensitive data, and risk assessment methodologies within DISP and leading global security standards drive outputs.


SECTARA (security risk management platform)

SECTARA™ enables security and risk practitioners to create and complete risk assessments quickly, simply and with consistency/methodological rigour. SECTARA™ incorporated data libraries to promote productivity and made sure that it was suitable for any scope and industry for the broadest utility. Military-grade encryption prevents unauthorised access to sensitive data, and the platform aligns directly with Defence security risk assessment methodologies. A pre-prepared risk assessment is also made available to get users started.

Availability <3 months.

Website: sectara.com

Seeing Machines

Artificial Intelligence | Engineering | Research & Development | Test Equipment | Training & Education | Vehicles & Accessories
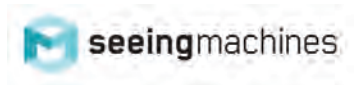
Company Brief

Seeing Machines specialises in computer vision technologies, which enable machines to see, understand, and assist people. Seeing Machines image-processing technology is designed to enhance the performance and safety of human operators. This technology is incorporated into training, safety, and performance optimisation applications, products, and services for a range of global industries, including automotive, commercial fleet, aviation, rail, and mining and off-road markets.

Crew Training System

The Crew Training System provides intelligent data to assist in the selection, training, and assessment of pilot candidates and qualified aircrew. The precision eye-tracking technology provides insights into pilot scanning techniques, and where pilots are focusing attention, in order to optimise their scanning performance during key flight phases. Instructors can observe scanning behaviour in real-time in the Full Mission Simulator environment, as well as during brief and debrief.

Availability <3 months.

Website: www.seeingmachines.com

Sentient Computing

Company Brief

Sentient is an Australian software development company founded in 2007 that specialises in creating powerful and immersive virtual environments to deliver, Virtual Reality Training, Augmented Reality, Blended Training Solutions comprising VR and eLearning, 3D Digital Twins, and Interactive Communications. Employing a local team of 40+, Sentient have been delivering 'serious gaming' solutions for over 12 years for Global 500 companies, government departments and small business alike.

XR Training and Animation

Sentient's XR training solutions can help organisations train personnel more effectively using the latest in technology, including virtual reality (VR), augmented reality (AR), and eLearning platforms, providing learners with an immersive and engaging experience that is proven to increase retention and improve learning outcomes.

Availability Designed and manufactured to order.

Website: sencom.com.au

Simulation Air

Company Brief

Simulation Air is an independently-owned consultancy that specialises in providing experienced consultants and operators to the Defence and Defence Industry sectors. Simulation Air boasts a diverse team of experts with a unique combination of skills across the Live, Virtual, and Constructive domains, empowering them to offer invaluable insights and advice to key stakeholders.

Live, Virtual and Constructive

Simulation Air deliver tailored solutions and personalised service, ensuring that clients receive the highest level of expertise and support.

Availability <3 months.

Website: www.simair.com.au

SiNAB

Company Brief

SiNAB delivers high-end solutions to meet real-world challenges in Defence and Aerospace. SiNAB design and manufacture the Phoenix POD, developed the Defence Business Readiness Tool (DBRT) for the Australian Government, operate an in-house aircraft platform for R&D, product testing and demonstrations, and are experienced defence consultants.

Phoenix JTAC Training Solution (PJTS)

By emulating the Close Air Support capability of aircraft such as the F/A-18A/B, the PJTS enables training, civil and ex-military aircraft to deliver effective JTAC training without aircraft modification. The PJTS consists of the PHOENIX POD with EO/IR sensor, laser, mission computer and wireless comms to cockpit that attaches to standard 14-inch pylons, the PHOENIX COCKPIT pilot-operated interface which emulates the sensor control and weapon-aiming capabilities of CAS, and the PHOENIX GROUND STATION constructor monitoring and control system.

Availability 3 - 6 months.

Website: www.sinab.com

Thomas Global Systems

Company Brief

Thomas Global Systems designs, manufactures, and supports highly engineered and reliable electronic systems solutions for commercial aviation, defence and other high-integrity transportation applications. Thomas Global provides avionics, armoured vehicle electronics, and specialised mission-critical electronics and training systems. Thomas Global operates high-technology R&D, advanced manufacturing, and support facilities in Sydney, Australia and Irvine, California.

Abrams Immersive Tactical Trainer

The Abrams Immersive Tactical Trainer (ITT) accurately simulates all crew positions, providing a versatile and high-fidelity system to address the training requirements of a Tactical Crew Trainer, Advanced Gunnery Training System (AGTS), and Driver Trainer. The ITT enables independent operation of each crew position, allowing the on-board instructor to teach all crew members. The ITT can operate as a single vehicle, in a multi-vehicle configuration, or as part of a larger networked training scenario.

Availability Designed and manufactured to order.

Website: www.thomas-global.com

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Section Four

9. Testing & Sustainment

1MILLIKELVIN
Asia Pacific Aircraft Storage
Aurizn
Austest Laboratories
Australian Target Systems
Ballistic & Mechanical Testing
Depth Defence Logistics
Dingo
ECLIPS
Eviden Australia
EXTAG
Hylec Controls
KBR
MEMKO
Mercury
Pelican Products
Prism Defence
PROFLUID
Rosebank Engineering Pty Ltd
Shorelands Group
Storemasta
Supashock Defence
TAE Aerospace
Tufwrap Australia
Vipac Engineers & Scientists

A Defence Export Permit may be required for the products and services shown on each of the following pages

1MILLIKELVIN

Design | Manufacturing | Research & Development | Ship Building | Test Equipment | Vehicles & Accessories

Company Brief

1MILLIKELVIN is a Melbourne based technology company who, in collaboration with the Australian Department of Defence (Defence Science and Technology Group) have developed a revolutionary stress imaging camera system. This system combines an uncooled thermal detector and CMOS imaging technologies to create an advanced stress visualisation capability, without the complexity. Our compact and rugged stress imaging cameras generate high-fidelity stress maps, providing you with an invaluable tool for structural testing and digital model development.

LTS-640V

The LTS-640V stress imaging camera is a high-end R&D instrument that is rugged, versatile and easy to use. Applications include: Validation of structural FEA (Finite Element Analysis), Identification of areas of structural weakness, Structural health monitoring, Detection, monitoring and characterisation of fatigue cracks, Non-Destructive Inspection (NDI) & Research and teaching in structural mechanics

Availability <3 months.

Website: www.1millikelvin.com

Asia Pacific Aircraft Storage

Engineering | Logistics | Manufacturing | Through-Life Support | Vehicles & Accessories

Company Brief

Asia Pacific Aircraft Storage (APAS) provides dedicated aircraft storage and part-out services. All maintenance activity is carried out under FAA/EASA/CASA Part 145 approvals. APAS has stored and maintained >250 aircraft including B737/767/777, A320/330/350/380 for major airlines and lessors. APAS provides end-of-life parting-out of aircraft and disposal. During this process APAS removes all high value reusable components then undertakes the final disassembly and disposal of the remaining airframe.

Aircraft Storage, Maintenance and Part-Out

The APAS Group provides specialised aircraft storage, maintenance and part-out services to the Asia Pacific aviation industry. The APAS Facility is located in Northern Territory, in a low humidity environment essential to the preservation of aircraft asset value and continued operational capability. Aircraft are maintained by experienced licenced aircraft engineers, in programmes enabling aircraft to be rapidly returned to service and operation. In the event of the asset reaching end-of-life, APAS undertakes the removal of high value components for re-use on cross compatible aircraft types.

Availability <3 months.

Website: www.apas.com.au

Aurizn

Artificial Intelligence | Design | Electronic Warfare | Intelligence, Surveillance & Reconnaissance | Optical | Research & Development

Company Brief

Aurizn specialises in developing advanced and asymmetric technologies and approaches for the Defence industry. Aurizn integrates scientific thinking and engineering know-how, to innovate and accelerate technologies for the Australian Department of Defence and allied nations including our Indo-Pacific regional Defence partners. Aurizn has capabilities in Synthetic Test & Evaluation (T&E), Immersive Simulation Environments and Technology Acceleration to create competitive advantage for our customers and partners in the Defence industry.

Infinite Studio

Infinite Studio is a radiometrically-credible, real-time multispectral scene simulation tool. Built on Unreal Engine, Infinite Studio supports research, development, simulation, and analysis of electro-optical (EO) and infrared (IR) systems across a variety of complex environments. Infinite Studio can be licensed to achieve dynamic modelling and simulation requirements across a range of complex air, sea, land and joint scenarios.

Availability <3 months.

Website: aurizn.co

Austest Laboratories

Engineering | Research & Development | Test Equipment | Through-Life Support

Company Brief

Austest Laboratories provides an extensive range of testing and inspection services to all sectors of the Defence industry. Testing capabilities include: Mechanical, Climatic, Noise, Pressure, EMC/EMI, and Electrical.

Environmental Testing Services

Austest Laboratories have proudly supported the Australian Defence Force and Defence suppliers for many years and are actively involved in a number of projects that are part of the Sovereign Industrial Capability Priorities. Austest have one of the largest ranges of testing services within Australia, with an extensive list of accreditations and approvals.

**Availability** 3 - 6 months.

Website: austest.com.au

Australian Target Systems

Company Brief

Australian Target Systems (ATS) is one of Australia's most experienced live fire target systems providers. ATS is a provider of live fire target systems to the Australian Defence Force and is now delivery their expertise to a wider international customer base. This includes military, police and other government organisations that seek to evolve their capabilities to meet the demands of an increasingly lethal and complex threat environment.
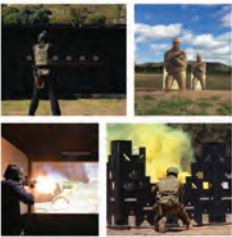
Live Fire Training

ATS has extensive experience and skill in the delivery of fully integrated live fire training solutions to meet the training requirements for a wide range of end users and environments. Along with ATS' advanced and durable Training Support Equipment (TSE), ATS also offers in depth combat, marksmanship and instructor training programs, improving accuracy and performance in combatants. Their team of engineers, software developers, technicians and project managers ensure that any training requirement can be met effectively and safely.

Availability <3 months.

Website: www.atspl.com.au

Ballistic & Mechanical Testing

Company Brief

Ballistic & Mechanical Testing (BMT) is a 100% Australian owned and operated company specialising in ballistic testing and certification of bullet resistant materials, non-destructive (X-Ray) testing of body armour plates and compliance for manufacturers and end-users. BMT is NATA accredited to ISO17025:2018 and is a Defence Recognised Supplier.

Independent Ballistic Testing of Armour

BMT offers test, evaluation and certification services of armour and armour systems used in land combat vehicles, combat clothing, body armour, air and sea.

Availability <3 months.

Website: www.armourtesting.com

Depth Defence Logistics

Company Brief

Depth Defence Logistics is 100% Australian owned, International freight forwarder specialising in defence supply chains. Each and every shipment is treated like a mission, with a focus on delivery on time, on budget, safely and securely. Depth Defence Logistics' customers include Australian and multinational Primes, SMEs, the ADF, US Military, AFP, DFAT and visiting foreign forces to handle their cargo.

International Freight Forwarding | Logistics

Depth Defence Logistics is one of the largest international freight forwarders supporting supply chains, and is reliably shipping by sea and air Australian made equipment, defence disposals and foreign forces cargo worldwide. The company is ITAR and EAR compliant, ISO certified, DISP and AIDN members and an "Intermediate Consignee" under US Defence Controls. Depth Defence Logistics has built a reputation for reliability across Defence industry globally.

Availability <3 months.

Website: depthdefencelogistics.com

Dingo

Company Brief

Dingo is a privately held Australian company, headquartered in Brisbane, with offices around the globe. Dingo is a leader in providing Predictive Maintenance solutions to asset-intensive industries, currently managing the health of over $13 billion worth of equipment at over 240 operations worldwide. Founded in 1991, our expertise help companies quickly and cost effectively implement predictive-maintenance programs that improve the reliability, availability, and safety of equipment fleets.

Trakka

Trakka® is a Predictive Maintenance software solution that provides insights and decision support to a Asset Health program. Trakka measures and tracks results through its built in KPIs. Trakka collects and analyses all condition monitoring data, identifies the root cause of impending issues, and delivers the right corrective actions to maintenance planners. Trakka can be used in a stand-alone configuration, or seamlessly connect to existing Enterprise Resource Programs systems and Computer Maintenance Management Systems and IT infrastructure.

Availability <3 months.

Website: dingo.com

ECLIPS

Design | Engineering | Logistics | Manufacturing | Research & Development | Vehicles & Accessories

Company Brief

ECLIPS is an Australian systems engineering company that designs and fabricates purpose-built deployable capabilities using shipping containers and derivatives. ECLIPS specialises in logistics platforms, container-based modular buildings for the military and mining sectors, emergency accommodation, training facilities, correctional services facilities, and off-the-shelf equipment. ECLIPS also creates custom modules, designed by professional engineers and delivered to meet customer requirements.

Joint Modular Intermodal Logistics System

JMILS is a modular, scalable and intermodal logistics system. Suitable for commercial and military use, JMILS consists of the Container Roll Out Platform (CROP), the Joint Modular Intermodal Container (JMIC) and the M-CASE stackable plastic container. Designed for loading and carriage with standard 20 ft ISO containers, JMILS allows for efficient use of space and safe loading/unloading using PLS equipped trucks without additional MHE. Digitalisation adds prognostics sensors and tracking systems to loads, enabling point-of-effect logistics support.

Availability 6+ months.

Website: eclips.engineering

Eviden Australia

Artificial Intelligence | Communications | Design | Electronic Warfare | ICT & Cyber | Training & Education

Company Brief

Eviden Australia is the OEM of a critical asset management application that remains in use in Defence after more than two decades for both land based and deployable land and sea assets. A next-generation digital business, Eviden benefits from deep expertise in all industries in more than 53 countries. Eviden is an Atos Group business that brings together its digital, cloud and big data and security business lines.

Asset Managment Planning System (AMPS)

AMPS7 is the latest generation of the AMPS products and is built to support an organisations Asset management goal in line with the ISO55000 series for Asset Management. AMPS 7 core functionality highlights • Asset and Maintenance; Integrated Supply (Inventory / Purchasing) Management • Change and Document Management • Data and Capability Management (Including Mission Management) • Support offline service operations • Powerful Reporting Capability and Dashboards • AMPS Mobility (BYOD)

Availability Designed and manufactured to order.

Website: eviden.com

EXTAG

Field Equipment | Logistics | Through-Life Support | Training & Education | Vehicles & Accessories

Company Brief

EXTAG has a track record in highly regulated sectors with multinational corporations through comprehensive solutions for efficient asset management. Based in Western Australia, EXTAG are a team of high energy people who love what they do. EXTAG's software development is based 100% in Perth and sits in the same office as the Operation and Executive teams. This enables EXTAG to provide seamless support to customers and ensures the software and service is of the highest standard.

Smart Asset Management System

EXTAG provides a powerful Smart Asset Management System that supports sustainment activities for optimising operations. The EXTAG system provides asset visibility for tracking, maintenance, scheduling, compliance, work instructions, and reporting. The rapid deployment and form customisation empower immediate system utilisation and continuous user feedback for incremental improvements. This user-centric approach drives higher engagement, making EXTAG the preferred choice for adaptable and purpose-driven asset management.

Availability 3 - 6 months.

Website: www.extag.com.au

Hylec Controls

Design | Field Equipment | Research & Development | Test Equipment | Unmanned & Counter Unmanned Systems

Company Brief

Hylec Controls are the experts on custom-made servo hydraulic actuators with design features such as: • Long life actuators with low friction seals • Actuators independent of load and suitable for low-amplitude high-frequency operation • Hydraulic, linear and rotary actuators • CFRP components that stabilise seal geometry and prevent backup O-ring from increasing seal contact pressure. Hylec Controls was founded in 1979 and has a long history supplying test equipment to ADF.

Servo hydraulic actuators (custom-made)

Hylec Controls' custom-made, hydraulic test actuators are efficient with varying test set-ups and the best choice for challenging, high-dynamic, Defence test projects: • Checking functional safety of systems, component parts or products • Structure testing of aircraft, automobile exhaust systems, refrigerating compressors • Load and movement simulation e.g. operational profiles and flight profiles • Industrial applications – from friction welding and ingot oscillation to compacting sintered metal. For every frequency range and for high lateral forces, Hylec Controls' test actuators are suitable for high speeds and working areas can be designed individually for respective requirements.

Availability Designed and manufactured to order.

Website: www.hyleccontrols.com.au

KBR

Design | Engineering | ICT & Cyber | Test Equipment | Through-Life Support | Training & Education

Company Brief

Combining global expertise with Australian experience, KBR's offerings include: • Flight test support • Deployable ICT • Network integration • Adaptive live, virtual and augmented reality training • Development, testing and evolving unique technologies to assist innovation and improve program efficiencies • Providing full lifecycle engineering for mission systems • Modeling, simulation and training expertise, including training, simulation design and development and analysis.

Test and Evaluation

A range of specialist Mode 5 IFF AIMS, STANAG and ICAO certification services including production of engineering plans and procedures, certification test and evaluation assistance, post-test data analysis and reporting, discrepancy remediation, IFF cryptography applique management and specialist IFF training.

Availability <3 months.

Website: www.kbr.com

MEMKO

Autonomous Systems | Design | Test Equipment | Through-Life Support | Training & Education | Unmanned & Counter Unmanned Systems

Company Brief

MEMKO is an engineering company with an extensive track record supporting Defence Primes and Government agencies. It operates a QMS accredited to AS9100, ISO 9001; ISO27001 utilising Dassault Systèmes digital tools. MEMKO specialises in product development, certification, manufacturing, compliance and the interaction with civil and military airworthiness authorities, CASA and DASA. Engineering Services provided include; Platform Design, System Integration, Test and Aircraft Certification.

Modular Electronic Attack Capable Air Target

MEACAT is a high-performance air-launched gliding target aircraft, fieldable from any JDAM cleared platform, and capable of repackaging to suit a multiplicity of small air vehicles. MEACAT is suited to end-to-end RF weapons system testing. Provides realistic all-weather active radar target, performing at high speed and altitude ranges for a very low total sunk cost. MEACAT offers multiple modes for radar/seeker emulator and electronic attack/ countermeasures techniques. Easily migrated to any aerial platform, it can withstand tough speed, temperature, shock and vibration environments.

Availability 6+ months.

Website: www.memko.com.au

Mercury

ICT & Cyber | Research & Development | Training & Education

Company Brief

Mercury are a sovereign provider of information security services, advice and consulting having conducted over 700 engagements. Mercury provides specialised platforms, design reviews alongside consulting and advice in cyber security. As a CREST certified organisation and active participant in the cyber security community, Mercury brings a wealth of knowledge, skills and experience to our work, and are mission focused and threat centric.

Penetration Testing & Assurance

Mercury's testing and assurance services offer cybersecurity mitigation activities, individually or in a suite. Each service employs a mix of activities in separate disciplines consisting of one or more of the following professional services; Application penetration test, Internal penetration test, Cloud security test, External penetration test, Wireless penetration test across the entire wireless spectrum, Hardening and systems assessments, Code review, COTS Implementation review and Red team activities.

Availability <3 months.

Website: mercuryiss.com.au

Pelican Products

Field Equipment | Logistics | Manufacturing | Through-Life Support

Company Brief

Pelican has over 45 years of experience in supplying military, government, and commercial clients with locally designed and manufactured, standard and bespoke high-performance engineered packaging solutions. Whether it's a single unique case solution, LRIP or high volume FRP; Pelican's global resources, combined with local subject matter expertise, enables Pelican to deliver unmatched quality, service, and capability. Pelican are experts in DEFAUST1000c packaging design, applicable for all domains and all modes of transport.

Engineered Protective Packaging Solutions

Pelican's engineered protective packaging systems provide maximum protection for the inner payload throughout any deployment or storage cycle, including shock-mitigating and vibration-attenuating internal systems. Pelican's range of mil-spec protective case solutions are used by military customers around the world to house and protect specialised high-tech equipment including: weapons systems, deployable IT and medical equipment, rotable components; and critical spares for a wide range of platforms across Air, Land, Sea and Joint Systems domains.

Availability <3 months.

Website: www.pelicanaustralia.com

Prism Defence

Artificial Intelligence | Autonomous Systems | Design | Research & Development | Test Equipment | Unmanned & Counter Unmanned Systems

Company Brief

Prism Defence is a technology company specialising in ship-air integration. Prism works with a team of embarked aviation specialists and aeronautical and software engineers to design, develop and support solutions in two key areas; the development of software solutions to support the entire embarked aviation continuum and the development of Ship Helicopter Operating Limits (SHOL). Our core software application is AirHub, a whole-of-ship Embarked Aviation Management System (EAMS).

Ship-Helicopter Operating Limits (SHOL) Development

Prism Defence's Ship-Helicopter Operating Limits (SHOL) development service utilises Prism's AirHub flight trial instrumentation and software module that delivers embarked flight trials with the minimum impact on fleet and aircraft resource time. Comprehensive flight test systems link the ship and air vehicle and the bespoke integrated approach and procedures are applicable to both embarked crewed and uncrewed air vehicles. SHOL development options include flight trials by Prism or the tailored packages of systems, support and training.

Availability <3 months.

Website: www.prismdefence.com

PROFLUID

Engineering | Manufacturing | Ship Building | Space Capabilities | Through-Life Support | Weapons & Ammunition

Company Brief

Profluid is a privately owned and operated valves specialist business reaching customers across Australia and Pacific Region. Profluid capabilities include the design, supply, commissioning and maintenance of industrial valves including MILSPEC. Profluid pride their unique attention to details and design-to-sustainment approach supported by international OEMs and a technically astute team. Profluid is a customer-centric, DNV-GL ISO 9001/14001/45001 and DISP accredited.

Valves Design, Manufacturing, Testing, Overhaul

PROFLUID delivers high end customised flow solutions to the Air Force and Navy onshore establishments as well as ships and submarines. The Western Australian workshop provides a complete life cycle range of capabilities which includes Design, Technical Documentation, Project Management, Built, Cycle Testing, Overhaul, Reverse Engineering, Modifications and Certifications, and Pressure Testing (hydraulic, Gas and Pneumatic, up to 1,400bar).

Availability 3 - 6 months.

Website: www.profluid.com.au

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Rosebank Engineering

Engineering | Maintenance Repair Overhaul (MRO) | Manufacturing | Research & Development | Through-Life Support

Company Brief

Rosebank Engineering Pty Ltd is your Partner of Choice providing innovative engineering, manufacturing & sustainment solutions to enable the advancement of global Defence & Aerospace programs. Rosebank Engineering's primary lines of business – engineering, maintenance, repair and overhaul (MRO), precision manufacturing and metal treatment & finishing, together with our commitment to the research and development of additive repair technologies – are underpinned by a highly skilled and committed workforce.
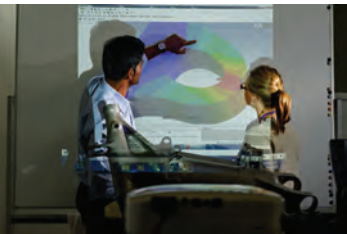
Maintenance, Repair & Overhaul

Rosebank Engineering's maintenance, repair and overhaul (MRO) capabilities are focused on, but not limited to, aircraft and helicopter mechanical systems and components, including: » Hydraulic components » Undercarriage assemblies » Pneumatic systems » Mechanical items » Electrical generators » Engine controls and accessories. Boasting an extensive precision machining and finishing capability, and supported by complimentary capabilities of non-destructive testing, precision measurement, assembly and test, Rosebank Engineering is a one-stop-shop.

Availability <3 months.

Website: www.rosebankeng.com.au

Shorelands Group

Logistics

Company Brief

Shorelands Group is quad certified for Integrated Management System, including Quality, Safety and Environmental International Standards ISO 9001:2015, 14001:2015, 45001:2018 and AS9100. With over 30 years of providing high quality, safe and responsible services for land based crane and transport logistics.

Shorelands Group

Shorelands Group is Northern Territory business that has been operating for over 30 years, with an extensive fleet of modern cranes and trailers/floats, reliable barge services, trusted local knowledge and a customers-first approach to service. Shorelands Group has the collective capability and capacity for a broad range of services and provide significant qualified, certified support services and project management to the Defence sector, and have expertise operating across marine and land military settings.

Availability <3 months.

Website: www.shorelandsgroup.com.au

Storemasta

Design | Engineering | Field Equipment | Logistics | Manufacturing | Training & Education

STOREMASTA

Company Brief

Storemasta is a leader in dangerous goods storage solutions. As an Australian family owned and operated company, Storemasta has designed and manufactured innovative storage and handling products for more than 30 years. With an established and stable history, Storemasta serves a wide range of industry and government clients. Storemasta is recognised for delivering uncompromised quality and peace-of-mind compliance, with expert advice.

Dangerous Goods Storage Cabinets

Storemasta design and manufacture safe and compliant storage suitable for explosives, flammable liquids, flammable solids, spontaneously combustible substances, dangerous when wet substances, oxidising agents, organic peroxides, toxic substances, corrosive substances, miscellaneous dangerous goods and pesticides. Storemasta also offers lithium-ion battery storage and transport solutions, to effectively minimise risk. All Storemasta solutions are designed and constructed in full conformance to the relevant Australian Standard.

Availability <3 months.

Website: www.storemasta.com.au

Supashock Defence

Autonomous Systems | Engineering | Logistics | Manufacturing | Test Equipment | Vehicles & Accessories

SUPASHOCK DEFENCE TECHNOLOGIES

Company Brief

Supashock is a producer of advanced mobility and autonomous systems that control, monitor and improve mobility of Defence, autonomous, commercial, automotive and other transport vehicles. The Supashock team design, manufacture and test systems for global mobility applications. Supashock's quality assurance system ensures the company maintain the highest standards, validating the lifecycle of each product.

Automated Load Handling System (ALHS)

Supashock's Automated Load Handling System (ALHS) is a versatile and unique logistics support system that enables the automated loading and unloading of ISO containers, modules and flat racks. Unlike other load handling systems, the ALHS is operated safely from within the protected cabin of the Rheinmetall MAN HX44 or HX77 military truck. With only one driver-operator required to complete the automated loading and unloading of a payload, combat personnel are kept safe in battlefield logistics operations and dangerous environments.

Availability 3 - 6 months.

Website: supashock.com/en

TAE Aerospace

Engineering | Logistics | Maintenance Repair Overhaul (MRO) | Manufacturing | Test Equipment | Through-Life Support

TAE AEROSPACE

Company Brief

TAE Aerospace is an Australian-owned aerospace company providing a broad range of Defence/Commercial products and services. TAE Aerospace provides turn-key Maintenance, Repair, Overhaul and Update (MRO&U) services for turbine engines in Australasia. TAE Aerospace's extensive experience in turbine engine MRO&U, platform total logistic support and other products and services are available to military and commercial sectors globally.

Turn-key MRO&U Services

For turbine engines including P&W F135; GE-F404, F414 and H80 /M601; Honeywell AGT1500, TFE731 and TPE331- family; PWC PT6A-family. TAE Aerospace has established full overhaul capability for a range of aero-derivative engines, providing cradle-to-grave Total Logistic Support services comprising: Program management; Engine fleet planning and life optimisation; Engine module heavy MRO&U and test services; Intermediate maintenance and engine testing at customer's operating base; Design and reliability engineering; Material procurement, warehousing and distribution. Delivered under an AS9100, AS9110 and ISO9001 approved management system.

Availability Designed and manufactured to order.

Website: www.taeaerospace.com

Tufwrap Australia

Design | Logistics | Manufacturing | Through-Life Support

TUFWRAP AUSTRALIA

Company Brief

Tufwrap is an Australian owned and operated company providing service, supplies and training in environmental containment and asset preservation with complete logistical monitoring and transport protection. The comprehensive knowledge and networks within industries allows the provision of turnkey, end to end tailored solutions that can be implemented across a broad scope of sectors and asset life-cycles.

Containment, Logistics and Preservation Systems

TUFWRAP provides high-quality shrink wrapping services and products. Backed by an experienced team, TUFWRAP excel in tailored solutions to challenging industrial requirements. TUFWRAP works with a global network of trusted partners, providing products and services to suit a range of industries, including defence and government bodies.

Availability <3 months.

Website: www.tufwrap.com.au

Vipac Engineers & Scientists

Communications | Engineering | Research & Development | Test Equipment

ViPAC
Engineers & Scientists

Company Brief

Established in 1973, Vipac has grown to become one of Australia's leading engineering testing laboratories and consultancies. Proudly 100% Australian owned and operated, the company specialises in spacecraft, aircraft, marine, and land vehicle qualification testing services. The company is backed by NATA & A2LA accreditations, a RSP (No. 15701), and a Member of the DISP. Testing by Vipac is performed as per relevant DEF, MIL, and NATO standards.

Defence Qualification Testing Services

Services include: Dynamics & Structural Integrity Analysis; Computer Simulation (FEA & CFD); Noise & Vibration Assessments; Acceleration Testing; High Altitude Testing; High Amplitude Shock Testing; Hydrostatic Pressure Testing; Inclination Testing; Ingress Protection Testing; Mechanical Load & Fatigue Testing; Salt Spray & Corrosive Atmosphere Testing; Temperature & Humidity Testing; Vibration & Shock Testing; Monitoring (HUMS), Data Acquisition & Diagnostics.
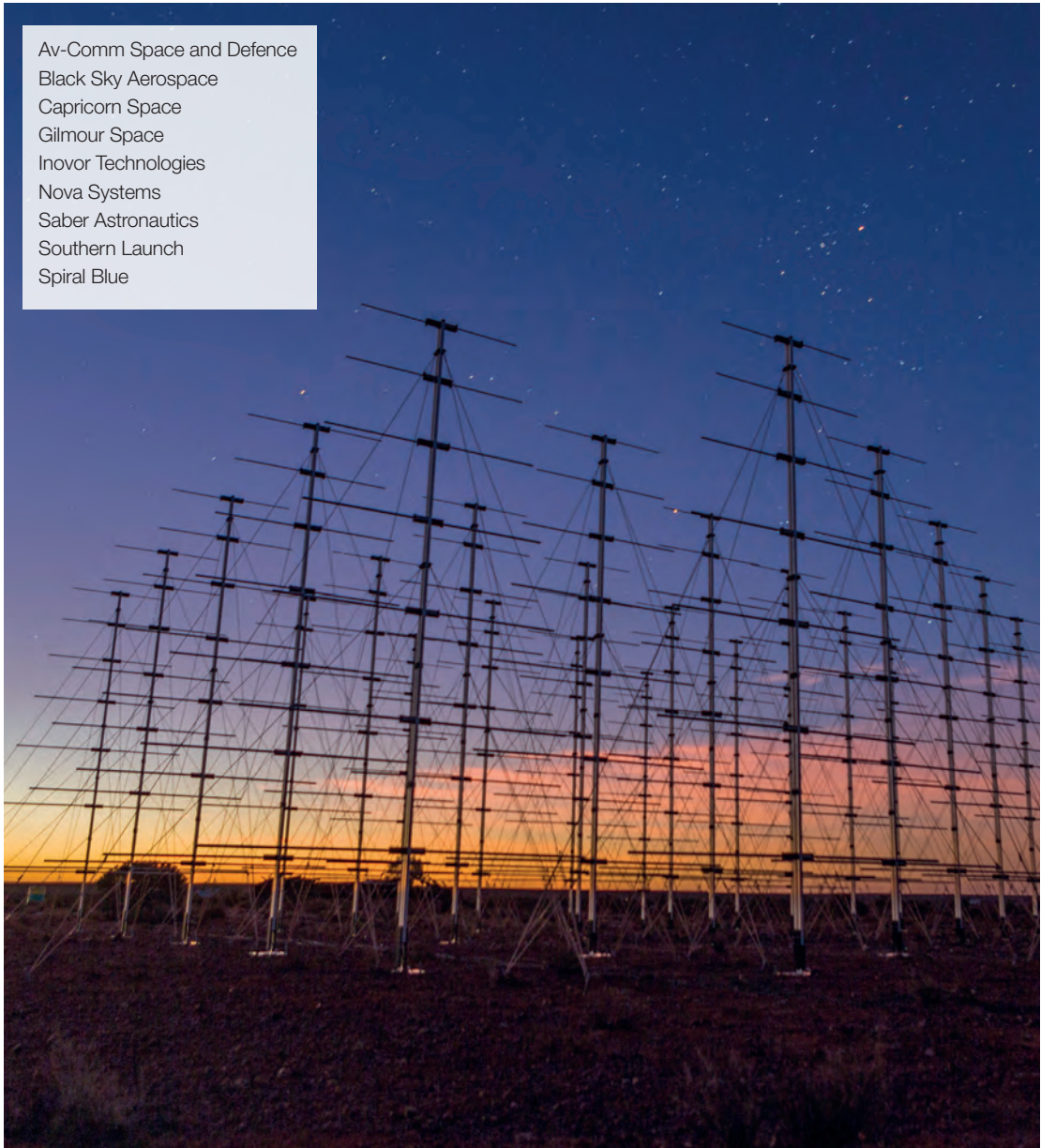
Availability <3 months.

Website: www.vipac.com.au

Section Five

Rocketry
Launch Sites
Support Technologies
Space Research & Development

Space Capabilities

Av-Comm Space and Defence
Black Sky Aerospace
Capricorn Space
Gilmour Space
Inovor Technologies
Nova Systems
Saber Astronautics
Southern Launch
Spiral Blue

A Defence Export Permit may be required for the products and services shown on each of the following pages

Av-Comm Space and Defence

Communications | Design | Engineering | Intelligence, Surveillance & Reconnaissance | Manufacturing | Space Capabilities

Company Brief

Av-Comm Space and Defence is an Australian company that specialises in the design, manufacture, deployment and sustainment of Radio Frequency (RF) and Optical Ground Segment to enable space and astronomy applications.

Cassowary Satellite Ground Station

Cassowary is a multi-band, multi-mode, multi-mission satellite ground station that enables SATCOM, earth observation (EO), Intelligence, Surveillance and Reconnaissance (ISR), Space Domain Awareness (SDA), Signals Intelligence (SIGINT) and Counterspace applications. Cassowary supports single or multi frequency band missions including L, S, C, X, Ku and Ka bands in Rx-only or Tx/Rx modes, with the frequency band reconfigurable over deployment life. Cassowary supports multiple orbits including LEO, MEO, GEO, and Cis-lunar Space.

Availability   3 - 6 months.

Website: www.avcomm.com.au

Black Sky Aerospace

Design | Engineering | Manufacturing | Research & Development | Space Capabilities | Weapons & Ammunition

Company Brief

Black Sky Aerospace (BSA) is AS9100D certified and is a sovereign manufacturer of solid rocket fuel, motors, launch vehicles, services, and common tactical boosters. BSA manufactures solid rocket fuel, known as propellant, precursor chemicals and hardware for defence and space applications such as guided weapons, ancillary boosters, sounding rockets and off-earth rocket motors.

Solid Rocket Motor Propellant

Black Sky Aerospace designs and manufactures a range of high-performance propellants and solid rocket motors for use in common tactical boosters and munitions. BSA products are 100% sovereign manufactured, completely ITAR free, and can be rapidly manufactured at scale. Through BSA's proprietary formulas and 20-year launch heritage, the products are highly efficient, reliable, and cost-effective. BSA propellants and motors come in a range of sizes and formulas to suit any mission performance requirements. Customisation is available upon request.

Availability   <3 months.

Website: bsaero.space

Capricorn Space

Communications | ICT & Cyber | Intelligence, Surveillance & Reconnaissance | Space Capabilities

Company Brief

Capricorn Space provides Ground Segment as a Service (GSaaS) capabilities at its site near Mingenew in Western Australia to support the global space industry. Clients have the option of using airtime on Capricorn Space's S/X-Band antennas or placing their own antennas and equipment on-site. The benefit to clients being an immediate pathway for establishing a Southern Hemisphere ground station capability/presence.

Retail & Landlord Services

Under the Retail service, clients utilise airtime off Capricorn Space's two identical 5 m S/X-Band antennas. This provides clients with immediate access to ground segment capability without having to invest in their own antennas. With the Landlord service, Clients install their own antenna/equipment on-site to achieve their own dedicated ground segment capability with Capricorn Space providing all supporting infrastructure (power, communications, land, site security and Level 1 Support).

Availability   <3 months.

Website: capricornspace.com.au

Gilmour Space

Autonomous Systems | Communications | Electronic Warfare | Intelligence, Surveillance & Reconnaissance | Space Capabilities | Through-Life Support

Company Brief

Gilmour Space Technologies is an Australian space and defence services provider that is building and launching rockets and satellites into Low Earth Orbit (LEO) from the Bowen Orbital Spaceport in north Queensland. As a world leader in hybrid rocket technologies, Gilmour provides competitive access to space via its Eris orbital launch vehicles and G-class satellite (G-Sat) buses/platforms.

ERIS Orbital Launch Service - 1,000 kg to LEO Launch

The Eris Block 2 has a payload capability of up to 400kg to LEO with a 2-meter-diameter fairing. It will provide dedicated and rideshare launches from its Australian launch site, initially to mid-inclination orbits. G-Sat offers dedicated and rideshare missions to Civilian, Commercial and Defence satellite customers, including hosted payload technology demonstrations. This platform can be leveraged to deliver custom Defence-related Earth Observation and Communications services. Gilmour Space offers space technology prototyping and qualification services through the Australian Space Manufacturing Network (ASMN) in Queensland.

Availability   6+ months.

Website: www.gspacetech.com

Inovor Technologies

Artificial Intelligence | Electronic Warfare | Engineering | Intelligence, Surveillance & Reconnaissance | Manufacturing | Space Capabilities

Company Brief

Inovor Technologies is a leading space and defence company based in South Australia. It provides turnkey spacecraft mission delivery services, and specialist engineering services in the electronic warfare domain. Inovor builds satellites for its customers across a range of sizes, and for most mission types. Inovor is also developing two of its own missions; Hyperion is a space-based Space Domain Awareness mission; and Skyris is a "smart" Earth Imaging mission.
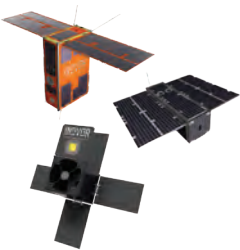
Apogee Bus

The Apogee Bus is a modular satellite architecture that can be adapted to meet a variety of mission needs. It comprises of a suite of in-house developed modular subsystems, including a power system, altitude control system, structure, mission computer, communication system payload interface module and all mission control software. Inovor also offers ground station modems and software to support mission operations. In addition to the Apogee Bus, Inovor is designing its small-sat Australis Bus, and has two missions of its own: Skyris and Hyperion.

Availability Designed and manufactured to order.

Website: www.inovor.com.au

Nova Systems

Electronic Warfare | Engineering | ICT & Cyber | Space Capabilities | Through-Life Support | Unmanned & Counter Unmanned Systems

Company Brief

Nova Systems is an engineering company that provides test and evaluation, certification and systems assurance, systems engineering and capability requirements definition for air, sea, land, space and joint projects and programs. Nova Systems partners with clients to deliver independent, holistic solutions in support of complex and critical capabilities in Defence, Government and critical infrastructure industries.

Nova Systems Space Precinct

The Nova Systems Space Precinct is a facility that hosts ground terminals for satellite operators. Services provided include spectrum licensing, the provision of ground station-as-a-service (GSaaS), terminal installation and maintenance and the hosting of ground terminals for commercial providers. The onsite Multifunctional Surveillance System conducts passive radar, passive RF and space weather monitoring to support space domain awareness. The system can also be configured to detect and track objects within the atmosphere.

Availability <3 months.

Website: www.novasystems.com/au

Saber Astronautics

Artificial Intelligence | Autonomous Systems | Communications | Electronic Warfare | Intelligence, Surveillance & Reconnaissance | Space Capabilities

Company Brief

Saber Astronautics is a full stack space operation services provider, operating in Australia and in the USA. Saber offers mission design, systems integration, testing, launch support and 24/7 operations including full command and control, telemetry, spacecraft health, space weather, traffic management, SDA and at an industrial-grade reliability for multi-tonne spacecraft.

Responsive Space Operations Centre (RSOC)

The Responsive Space Operations Centre (RSOC) provides full-stack space mission support services for all phases of flight, bringing together secure SATCOM services and SDA data feeds, offering organisations quick flights and satellite connectivity directly to needs on the ground. The RSOCs in Adelaide and in Boulder Colorado allow "follow the sun" space operations with full safety of flight and pattern of life. The RSOC is flying industrial grade multi-tonne satellites with high reliability and is a centre of excellence internationally for next generation space traffic capabilities.

Availability <3 months.

Website: www.saberastro.com

Southern Launch

Design | Engineering | Intelligence, Surveillance & Reconnaissance | Logistics | Space Capabilities | Through-Life Support

Company Brief

Southern Launch is a space company providing infrastructure and logistics support for orbital and sub-orbital launches of satellites and space payloads. Design, safety analysis and regulatory support are provided by the experienced team, all with security clearance.


Rocket Launch Capabilities

The company offers two multi-user launch sites, both located in South Australia. Both sites are close to established infrastructure, have good year-round weather conditions, and are unhindered by populated areas and aeronautical and maritime traffic lanes. The sites provide customers with greater launch window availability and launch schedule flexibility. The test range site offers overland sub-orbital testing and recovery of vehicles.

Availability <3 months.

Website: www.southernlaunch.space

Spiral Blue

Space Capabilities

SPIRAL BLUE

Company Brief

Spiral Blue is a leader in artificial intelligence and Space Edge Computing. Spiral Blue has been operating the SE-1 computer in orbit since April 2023 and is a leader in the development and operation of AI hardware in space. In addition, Spiral Blue has previously launched three SE-Z prototypes, with an additional six SE-1 computers scheduled for 2024, bringing the total number of computers in orbit to ten.
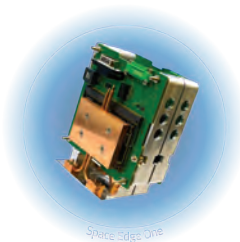
Space Edge Computer

Spiral Blue have developed, launched, and space proven a carrier board for the Nvidia Jetson series of GPU powered system-on-modules, optimised for use in cubesats. The Space Edge Computer is the combination of this carrier board, a Jetson processing module, expanded storage, and a thermal management solution.

Availability 3 - 6 months.

Website: www.spiralblue.space

Section Six

Disposal Scrapping Services

A Defence Export Permit may be required for the products and services shown on each of the following pages

Australian Scrapping Services

The following companies are members of Department of Defence Disposal Scrapping Services Standing Offer Panel. They offer a range of disposal services to the Australian Department of Defence.

ASP Ship Management

ASP is a leading global ship management company with over 100 vessels under management operating through 12 offices in 10 countries. ASP's subsidiary, ASP Defence Support Services provide full fleet operational and management services to defence force vessels. ASP has experience managing all classes of vessels. ASP provides a full cradle to grave service or individual vessel support services, including disposal services.

Birdon

Birdon, a 100% Australian-owned diversified global group of companies, provides whole of life solutions to the maritime, military, infrastructure, and resource sectors including secure destruction, recycling, and scuttling of private, military and government assets. Birdon's capability ranges from simple scrap metal collections to secure deconstruction and recycling of key defence assets such as Naval Vessels, F111 Aircraft, and Armoured Vehicles.

Dodd & Dodd Group (CD Dodd Scrap Metal Recylers)

CD Dodd Scrap Metal Recyclers (CDD) is a leading provider of demolition, hazardous materials management, resource recovery and scrap metal recycling. Located in various locations in Western Australia, a highly trained and qualified team are backed with the resources and technologies to deliver global best practice, innovation, and cost-effective solutions for every project regardless of complexity.

Immix Integrated Metal Management

Immix is proudly privately owned and operated. With a combined 55 years' experience in the metal recycling industry, the professional and friendly team are able to offer the best solution to metal recycling needs. Servicing Industry, Mining, Defence, Councils and Agri-Business using world class recycling equipment to collect, process and export Ferrous and Non-Ferrous metals Worldwide.

Liberty Industrial

Liberty Industrial is a leading provider of deconstruction Services that has established an enviable reputation based on integrity and capability. Liberty Industrial provide complete solutions for complex and hazardous deconstruction projects, offering a comprehensive range of integrated capabilities including demolition, dismantling, asbestos and hazardous materials removal, recycling and resource recovery services.

MCM Services

McMahon Services, is a privately owned Australian company that provides building and construction, civil infrastructure, engineering and construction management, and environmental services to our national customers across private industry, Government, and Defence.
Our Environmental Services Stream provides safe and secure deconstruction and scrapping of military equipment across all Domains as well as scuttling of maritime assets. McMahon Services also performs PFAS remediation using our two mobile Reterra G-Mode soil conditioners and recycles through our collaboration partner ResourceCo.

Norship

Norship adopts a comprehensive life cycle management strategy for asset management. This includes offering disposal services to a diverse range of government and commercial organisations. The dedicated facility, purposefully constructed and compliant, stands as the sole one of its kind in Northern Australia, measuring 47.5 meters in length and 22 meters in width. The fully contained hardstand area has been meticulously designed to facilitate the safe use of heavy demolition equipment while minimizing environmental and occupational health and safety (OHS) hazards. Norship's track record of success with agencies like AFMA and MSQ, coupled with their approach to asset disposal, presents a secure and reliable solution for future Commonwealth Government contracts in asset disposal services.

Polaris Marine Group

The Polaris Marine Group, consisting of Polaris Marine, Polaris Marine Construction and Polaris Marine Dockyards, has over 35 years of Operational Experience in the Maritime Industry throughout Australia. The Polaris Marine Group offers services ranging from towage, dredging and salvages to piling, demolition and more recently shipbuilding, ship recycling and repairs. Being the preferred contractor on the East Coast to many Insurance Companies, Government Agencies, and the like, the Polaris Marine Group prides itself on its ability to carry out all aspects of the project in a prompt, economical and pollution-free manner.

Sell and Parker Secure Destruction

Sell and Parker Secure Destruction has developed a complete recycling solution for the destruction and recycling of all Defence Force assets, with removal of all embedded metal material. The destruction includes shredding, melting, shearing, cutting or burying. Established processes for environmental management; ISO 9001 Quality Management Systems Certification; Able to source licensed Hazardous disposal experts with appropriate resources and facilities.

Thales Australia

Thales Australia has had significant involvement in the Key Defence Asset (KDA) disposal programs. Some examples of KDA disposal projects include Bushmaster Armoured Vehicles, F111 Strike Aircrafts, explosive ordnance, FFG Frigates, Oberon Class Submarines and end-to-end disposal services for explosive ordnance. Thales can be trusted to safely and securely manage risks and complexities when disposing of KDA.

Veolia Environmental Services (Australia)

Veolia group is a global leader in optimised resource management. The group delivers operational solutions across water, waste and energy that drive bottom-line savings and contribute to sustainable development. In Australia Veolia has more than 40 years' experience in water, waste and energy management, and are the only integrated environmental solutions provider working across the Resource, Industrial, Commercial, Defence and Municipal sectors.

VTG Waste & Recycling

VTG Waste & Recycling is a truly local, Territory business, with a multi-generational presence in the Territory. VTG demonstrates local commitment, employing Territorians and proudly sourcing 92% of business requirements locally. VTG are ideally placed to provide high quality, competitively priced Waste & Recycling services to Darwin and the Top End of the Northern Territory.

Team Defence Australia 2024
Trade Show Calendar

SHOW	COUNTRY	CITY	DATES	DOMAIN/S	EOI DATES
Sea-Air-Space	USA	Maryland	8 – 10 Apr	Maritime / Aerospace	Open: 13 Nov 23 Close: 15 Dec 23
Undersea Defence Technology (UDT)	England	London	9 – 11 Apr	Maritime	Open: 13 Nov 23 Close: 15 Dec 23
Defence Services Asia	Malaysia	Kuala Lumpur	6 – 9 May	Land / Aerospace	Open: 8 Jan 24 Close: 2 Feb 24
Special Operations Forces Week (SOF) Week	USA	Tampa Bay	6 – 10 May	Special Forces	Open: 8 Jan 24 Close: 2 Feb 24
Eurosatory	France	Paris	17 – 21 Jun	Land	Open: 19 Feb 24 Close: 15 Mar 24
Farnborough Airshow	England	Farnborough	22 – 26 Jul	Aerospace	Open: 18 Mar 24 Close: 12 Apr 24
Poland International Defence Industry Exhibition (MSPO)	Poland	Kieice	3 – 6 Sep	Land / Aerospace	Open: 6 May 24 Close: 31 May 24
AUSA	USA	Washington DC	14 – 16 Oct	Land	Open: 17 Jun 24 Close: 12 Jul 24
Indo Defence	Indonesia	Jakarta	6 – 9 Nov	Tri-Service	Open: 8 Jun 24 Close: 2 Aug 24
I/ITSEC	USA	Orlando	2 – 6 Dec	Tri-Service	Open: 5 Aug 24 Close: 30 Aug 24

*Please contact Team Defence Australia to discuss attendance if EOI has closed.

Expressions of interest can be accessed via the **ADEO page on ICN Gateway at adeo.icn.org.au.**

Please direct all enquiries to **TeamDefence.Australia@defence.gov.au**

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Catalogue Web Portal

Contact information

Australian Defence Export Catalogue

PO Box 7938
Canberra BC ACT 2610
Australia

Email: Catalogue.Submissions@defence.gov.au