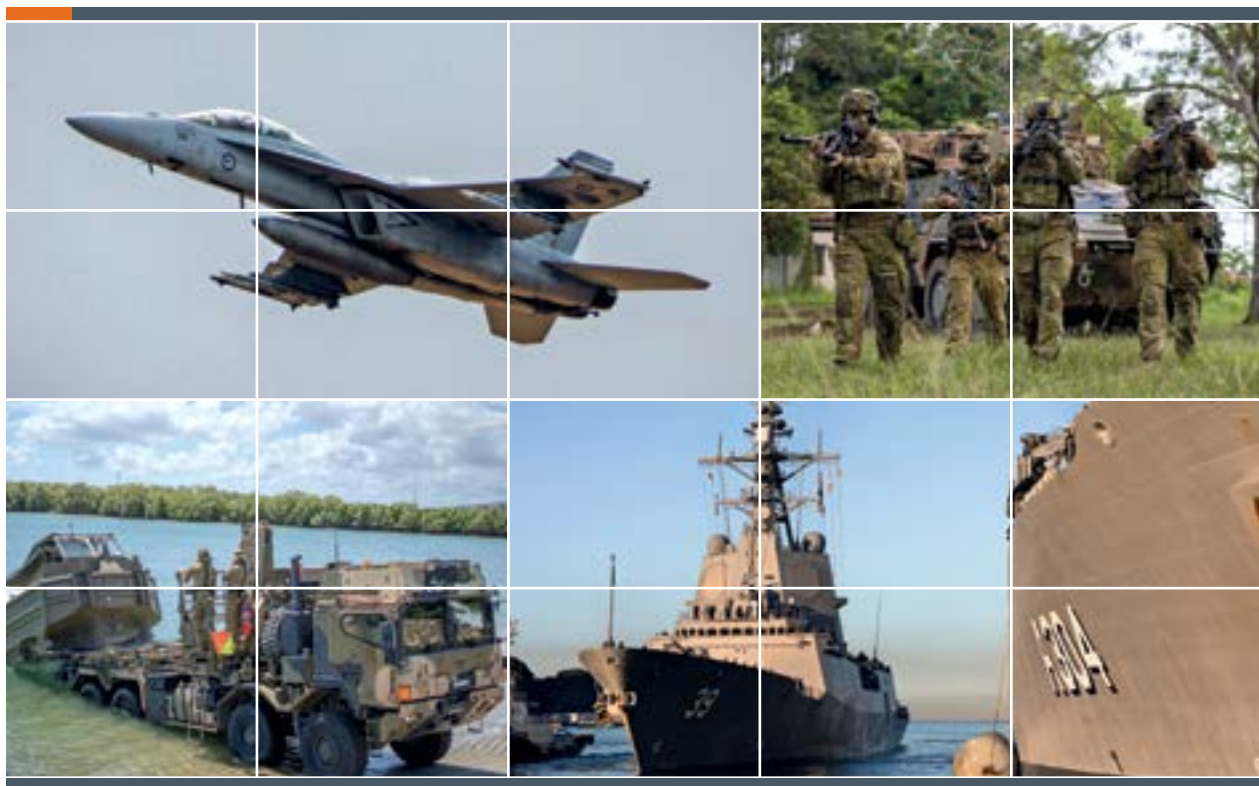**Australian Government**
Department of Defence

Australian Defence Sales Catalogue

Australian Defence Export Office

2023, Edition 7

The Catalogue is also available as an
App for Android and iOS mobile devices

To defend Australia and its national interests in order
to advance Australia's security and prosperity
www.defence.gov.au

Foreword

I am pleased to present the seventh edition of the Australian Defence Sales Catalogue. The Catalogue is a showcase of defence industry products, services and technologies from businesses located in every state and territory across the country. This edition of the Catalogue includes over 250 Australian businesses.

The Catalogue includes a section on government support to defence industry companies via the Australian Defence Export Office, the Office of Defence Industry Support, Defence Global Competiveness Grants, Defence Innovation Hub, Defence Export Controls, Export Finance Australia and Austrade.

The Catalogue is available as iOS and Android mobile and web applications, meaning you can access the content at the touch of your fingers from any point across the world. The app version of the Catalogue provides users with direct access to the publicly listed websites of all companies showcased and allows users to click directly through to these government websites where further support is available.

Acknowledging Australia's growth and involvement in the area of space capability, we have included a dedicated section to demonstrate the strength of the emerging space industry and the important role played from within Australia. The catalogue showcases many high-quality and leading edge products and services within this field. We believe this is valuable information for potential overseas purchasers and Australian industry alike, as well as tertiary institutions looking for research and development and also partnership opportunities.

The Catalogue also highlights Australian Defence Force platforms that are either surplus to the needs of the Australian Defence Force or will shortly be coming out of service. These platforms are available for consideration on an international government-to-government sale transfer basis. Countries interested in these platforms are encouraged to complete an Expression of Interest via the Australian Defence Export Office website, or the web app. As a responsible exporter, all exports from Australia are subject to an independent and rigorous assessment process in accordance with Australia's export control legislation.

The Australian Government continues to invest in our sovereign industrial capability sector. We are continuing to work with and support Australian defence industry, and we are proud of the contribution industry is making to Australia as well as partners across the globe. We will continue to support and promote Australia and grow our innovative defence industry.

I encourage you to use the Australian Defence Sales Catalogue, including the mobile and web app, as a tool to access leading Australian companies producing world-class, cutting edge products, services and technologies. I believe the content within the Catalogue will aide our international partners in meeting key capability requirements and I commend this edition of the Catalogue to you.

If you are interested in seeking further information on the capabilities of Australian defence industry, please discuss with your designated Australian Defence Attaché or contact the Australian Defence Export Office – **aust.deo@defence.gov.au**.

The Hon Pat Conroy MP
Minister for Defence Industry

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Index by Alpha Order and Activity

Activity columns (left to right):
Artificial Intelligence · Autonomous Systems · Communications · Design · Electronic Warfare · Engineering · Field Equipment · Humanitarian · ICT & Cyber · Intelligence, Surveillance & Reconnaissance · Logistics · Manufacturing · Medical · Optical · Personal Protection · Research & Development · Robotics · Ship Building · Space Capabilities · Test Equipment · Through-Life Support · Training & Education · Unmanned & Counter Unmanned Systems · Vehicles & Accessories · Weapons & Ammunition

Company Name	Page Number	Section Number	Artificial Intelligence	Autonomous Systems	Communications	Design	Electronic Warfare	Engineering	Field Equipment	Humanitarian	ICT & Cyber	Intelligence, Surveillance & Reconnaissance	Logistics	Manufacturing	Medical	Optical	Personal Protection	Research & Development	Robotics	Ship Building	Space Capabilities	Test Equipment	Through-Life Support	Training & Education	Unmanned & Counter Unmanned Systems	Vehicles & Accessories	Weapons & Ammunition
Crystalaid Manufacture	81	4.1												X													
Custom Works	157	4.8												X						X							
CyberMetrix	66	4.2									X																
Daronmont Technologies	67	4.2			X	X		X			X	X											X				
Datapod (Australia)	67	4.2	X		X						X			X									X				
Defence Communications Industry	68	4.5			X			X			X															X	
DefendTex	49	4.1							X			X													X		X
Delta Hydraulics	117	4.5						X						X													
Depth Defence Logistics	100	4.4											X														
DEWC Services	142	4.7					X					X															
Diamond Defence	68	4.2							X																		
Dingo Defence	101	4.4																								X	
Direct Edge Manufacturing	82	4.3						X						X													
Doen WaterJets	158	4.8						X						X						X							
DomeShelter Australia	117	4.5							X																		
DroneShield	49	4.1		X								X													X		
ECLIPS	101	4.4																								X	
Eggler Institute of Technology	142	4.7																						X			
elmTEK	50	4.1						X										X									
Elphinstone	102	4.4						X						X												X	
EM Solutions	69	4.2			X																X						
Envirofluid	118	4.5																X									
ERGT Australia	143	4.3																						X			
Evolution Gear	118	4.5							X					X		X											
Ferra	82	4.3				X		X						X													
FifthDomain	143	4.7									X													X			
Fiomarine Industries	158	4.8				X						X								X							
First Aid Safety Training	132	4.6								X					X									X			
Fivecast	69	4.2	X								X	X															
Force Ordnance	168	4.9							X																		X
Frontline Manufacturing	83	4.3						X						X													
Fugro Australia Marine	159	4.8										X									X						
Future Fibre Technologies	70	4.2	X		X						X	X															
GaardTech	50	4.1		X				X																X			
GCPD Arms	168	4.9							X																		X
Geng	144	4.7				X								X													
Geodrones Australia	51	4.1	X	X								X													X		
Geospatial Intelligence	144	4.7										X									X						
Gilmour Space	175	5				X		X						X							X						
Global Defence Solutions	119	4.5												X													
Glyde Metal Industries	83	4.3						X						X													
GME	119	4.5			X																						
Goal Group	145	4.7				X		X						X												X	
GoProto ANZ	84	4.3				X								X													
Green Door	145	4.7									X																
Green Eco Technologies	120	4.5												X													
Griffin Marine Services	159	4.8																		X							
Hargo Engineering	84	4.3						X						X													
Heatlie Engineering	120	4.5						X						X													
Henchman	121	4.5							X					X													
Hiroco	51	4.1	X					X																			
Holmwood Highgate	102	4.4												X												X	
Hospital Products Australia	132	4.6								X					X												
Hylec Controls	103	4.4						X															X			X	
Ideation Product Solutions	121	4.5				X		X						X													
Illume Group	146	4.7									X													X			
InfoSect	146	4.7									X													X			
Ingenia	147	4.7																						X			
Innovaero	52	4.1		X				X						X											X		
Inovor Technologies	176	5	X																		X						
Integrated Design & Engineering Solutions	85	4.3				X		X						X												X	
IntelliDesign	52	4.1			X			X			X																
IPACS Australia	160	4.8																		X			X				
Janusnet	70	4.2									X																
Jarmyn Enterprise Space	176	5						X						X							X						
Jenkins Engineering Defence Systems	53	4.1					X	X																			X
Jet Aviation Australia	71	4.2						X					X										X				
K-TIG	85	4.3						X						X						X							

Company Name	Page Number	Section Number	Artificial Intelligence	Autonomous Systems	Communications	Design	Electronic Warfare	Engineering	Field Equipment	Humanitarian	ICT & Cyber	Intelligence, Surveillance & Reconnaissance	Logistics	Manufacturing	Medical	Optical	Personal Protection	Research & Development	Robotics	Ship Building	Space Capabilities	Test Equipment	Through-Life Support	Training & Education	Unmanned & Counter Unmanned Systems	Vehicles & Accessories	Weapons & Ammunition
KBR	103	4.4																									X
Kord Defence	169	4.9			X			X						X													X
Leidos Australia	160	4.8						X																			
Life h2o Australia	133	4.6						X						X													
Liferaft Systems Australia	161	4.8						X						X													
Lightning Protection International (LPI)	122	4.5			X	X	X	X										X			X		X				
Logistic Engineering Services	147	4.7						X					X														
Lunar Lighting	122	4.5						X						X													
Marand Precision Engineering	86	4.3						X						X				X									
Matrix Composites & Engineering	86	4.3						X						X				X									
McDermott Aviation	133	4.6						X																			
MEMKO	104	4.4						X						X													X
Mercury	104	4.4						X																			
Metromatics	161	4.8			X		X					X															
MicroSecure Northwest Group	71	4.2						X			X																
Milspec Manufacturing	87	4.3			X			X						X													
Minecorp Australia	87	4.3						X						X												X	
Minelab Electronics	134	4.6						X	X					X													
Molico	148	4.7											X	X													
Moog Australia	169	4.9						X						X													X
Neamco	88	4.3				X		X						X													
New Touch Industries	88	4.3						X						X													
Nexus Training Solutions	148	4.7																						X			
Nobles	123	4.5				X		X						X													
Norcoast Refrigeration Company	123	4.5						X						X													
NORSELD	89	4.3						X						X		X				X							
Norship	162	4.8						X						X						X							
north Security	149	4.7									X																
Nova Systems	105	4.4						X													X						
NT Port and Marine	162	4.8						X						X													
Nupress Group	89	4.3						X						X													
Ocean Software	149	4.7									X		X														
Ocius Technology	163	4.8	X	X				X				X								X					X		
Onetide	124	4.5				X		X	X					X													
OPEC Systems	134	4.6						X	X	X				X													
Operational Systems	72	4.2									X																
Optic Security Group	72	4.2						X			X																X
Orbital UAV	53	4.1		X				X																	X		
Pacific Aerospace Consulting	150	4.7						X					X										X				
Pedders Shock Absorber Service	124	4.5						X						X												X	
Pelican-Trimcast Products	105	4.4						X	X					X													
Penten	73	4.2	X		X						X																
PFG Group	163	4.8						X						X						X							
Pivot Maritime International	164	4.8		X				X																X			
Point River Networks	150	4.9			X						X																
Point Trading Group	125	4.5							X					X													
Prism Defence	54	4.1					X	X										X				X			X		
PROFLUID	106	4.4						X						X						X			X				
Prephecy International	73	4.2	X								X																
Protegas Australia	151	4.7						X					X														
QPE Advanced Machining	90	4.3						X						X													
QuintessenceLabs	74	4.2			X						X																
RAIDER Targetry	151	4.7		X				X					X												X		
Real Response	135	4.6								X					X									X			
Red Piranha	74	4.2									X																
REDARC Defence & Space	125	4.5			X			X						X							X					X	
Rheinmetall NIOA Munitions	170	4.9						X						X													X
Ruslyn Holdings	126	4.5						X						X													
S2IX	75	4.2									X																
Saber Astronautics	177	5		X				X													X						
Sea Swift	164	4.8											X														
SECTARA	152	4.7									X																
Seeing Machines	152	4.7	X									X															
Sentient Computing	153	4.7	X								X																
Sentient Vision Systems	54	4.1	X									X															
Shorelands Group	106	4.4						X						X									X				
Silentium Defence	75	4.2										X						X			X						
Simulation Air	153	4.7				X		X																X			

Company Name	Page Number	Section Number	Artificial Intelligence	Autonomous Systems	Communications	Design	Electronic Warfare	Engineering	Field Equipment	Humanitarian	ICT & Cyber	Intelligence, Surveillance & Reconnaissance	Logistics	Manufacturing	Medical	Optical	Personal Protection	Research & Development	Robotics	Ship Building	Space Capabilities	Test Equipment	Through-Life Support	Training & Education	Unmanned & Counter Unmanned Systems	Vehicles & Accessories	Weapons & Ammunition
SiNAB	154	4.7				■			■															■			
Smart Fabrication	90	4.3				■		■						■													
SMETEC Services	91	4.3				■		■						■				■									
Solutions from Silicon	165	4.8	■								■							■		■		■					
Sonartech ATLAS	55	4.1			■							■															
Southern Launch	177	5											■								■						
SPEE3D	91	4.3	■					■						■					■								
SPINESUIT	126	4.5							■						■		■										
Spiral Blue	178	5	■								■	■									■						
Stärke-AMG	92	4.3				■		■						■												■	
Stahl Metall	92	4.3				■		■						■													
Stealth Electric Bikes	127	4.5							■																	■	
Storemasta	107	4.4							■				■				■										
Supashock	107	4.4		■				■																		■	
Sure Aqua Corporation	135	4.6							■	■					■												
SYPAQ Systems	55	4.1		■								■	■												■		
TAE Aerospace	108	4.4						■						■									■				
Tectonica Australia	127	4.5							■			■					■										
Textron Systems Australia	56	4.1		■								■													■		■
The Whiskey Project Group	165	4.8				■		■												■			■				
Thomas Global Systems	154	4.7				■		■																	■	■	
Titomic	93	4.3												■				■	■	■							
Toolcraft Australia	93	4.3				■		■						■													
Trakka Systems	128	4.5										■				■											
Trellis Data	56	4.1	■			■					■	■															
Tristar Industries	94	4.3				■		■						■													■
Tropical Reef Shipyard	166	4.8						■												■			■				
Tufwrap Australia	108	4.4							■					■													
Ultra Electronics Avalon Systems	57	4.1			■		■				■	■															
Unitronix	57	4.5	■					■						■								■					
Universal Site Monitoring	128	4.5			■						■	■															
Varley Group	129	4.5				■		■						■									■			■	
Versalux	94	4.3				■		■						■													
Versatile Marine	166	4.8				■		■												■							
Vipac Engineers & Scientists	109	4.4				■		■										■				■					
W&E Platt	170	4.9				■		■						■													■
Wedgetail Industries	171	4.9				■		■	■								■										■
Wilkinson Engineering	95	4.3				■		■						■													
XTEK	129	4.5		■					■			■					■								■		■
ZCG Scalar Antennas	76	4.2			■		■					■						■									
Zone APS	76	4.2	■		■							■															

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 seventh year AMS has produced the Australian Defence Sales 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. You can do this by clicking on the company's logo at the top of each page on the online PDF version of this Catalogue. A full list of company websites, with a hyperlink (for the online version) is listed at the back of this edition of the Catalogue.

This Catalogue is edition 7.

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 13.

Section One

Australian Defence Industry - Doing Business

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 Government's plan to support Australian defence industry to achieve greater export success. Over the next decade, the Australian 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 Defence Export Strategy allows the Australian Defence Export Office (ADEO) to shape important strategic partnerships with Australia's current and future defence partners.

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

The ADEO coordinates whole-of-government export support for Australian defence industry. The ADEO works closely with Austrade, the Office of Industry Support, the Department of Foreign Affairs and Trade, Export Finance Australia and Australian defence industry to realise export success. This support includes attendance at international trade shows with Team Defence Australia; 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 coordinates engagement with a network of Defence Attachés and Austrade offices, providing advice and support to help Australian defence industry access export opportunities. In collaboration with Austrade, Business Development Managers have been appointed in the United States, United Kingdom, Singapore, UAE, Indonesia, and Japan to further expand our international reach and engagement. The ADEO works across government and industry to
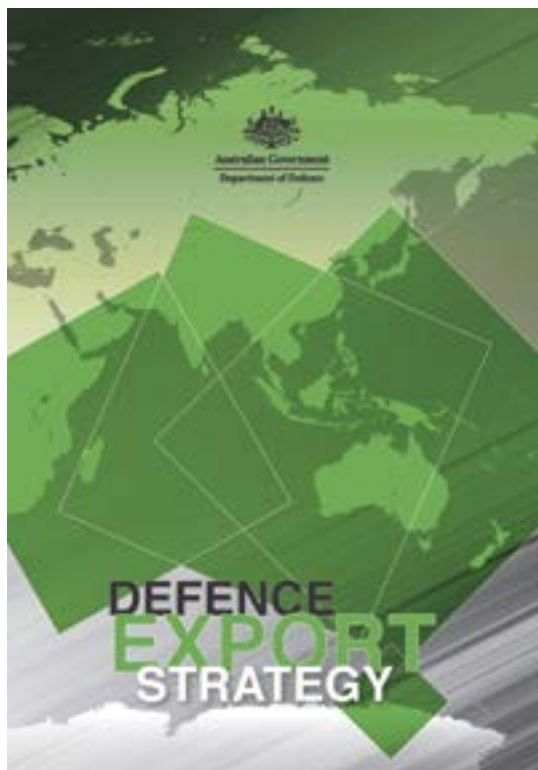
understand export opportunities and tailor support to industry through available resources and international networks.

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

To understand how the ADEO can assist your business 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 and military sales programs as well as promoting the Australian defence industry through:

- International Government-to-Government sale, gifting or other transfer of surplus Australian Defence Force (ADF) articles

- International Government-to-Government purchase of Australian origin, sensitive technology, and ADF articles

- Supporting Australian defence industry to export to foreign government customers, which may include Government-to-Government transfers.

The Australian Defence Sales Catalogue (the Catalogue) is a key aid in assisting AMS to achieve their tasks. The Catalogue 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. Completion of an EOI does not commit any party to purchase.

AMS offerings are presented in four broad groupings, being:

1. Available now – materiel and capability systems in the disposals process.

2. Expression of Interest – materiel and capability systems are still in service with the ADF, but may be subject to intensive management if interest is expressed.

3. Allied technology – Australian defence industry solutions, for which AMS can act as the broker (if requested) for Government-to-Government sales.

4. Other capability.

Please note:

- Completion of an EOI does not constitute a commitment but rather registers a foreign government's interest in a product/service/capability. Likewise there is no guarantee the capability will be available.

- 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.

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**

Copyright

Commonwealth of Australia

Team Defence Australia

Sitting in the Australian Defence Export Office (ADEO), Team Defence Australia is the national platform for export capable Australian defence and dual-use companies to showcase their goods, services, technology and solutions at international trade events.

Team Defence Australia works with defence industry to help prepare Australian delegation's attendance at overseas and online trade events to provide advocacy and ensure international exposure is maximised. Exhibiting with Team Defence Australia is free, with successful companies responsible for their individual travel expenses. Team Defence Australia provides free space on the custom-built national pavilion, pre-event support and advice including Austrade's network of business advisors, invaluable senior military support and advocacy, defence industry specific market insight briefings, networking opportunities, business-to-business matching and on-site support at the show.

Team Defence Australia is supporting small to medium businesses to promote their capabilities to the international market through international trade shows, online trade engagements, international trade missions and offering an online Pitch Training Program.

Team Defence Australia leverages the ADEO's international Austrade Business Development Manager and Defence Attaché network to engage with overseas businesses 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 Team Defence Australia 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**

Defence Innovation Hub

Australian Government

DEFENCE INNOVATION HUB

The Defence Innovation Hub seeks to deliver a capability edge to Defence and provides opportunities for research organisations and Australian businesses of all sizes to put forward innovative technology proposals to support this goal. The program accepts proposals that are ready to enter different stages of the innovation process from concept exploration, to technology development, prototyping, demonstration and evaluation. The Hub runs an open call for submissions against defined innovation priorities, through which industry can submit proposals to Defence 365 days a year. The Hub also runs intermittent targeted Special Notices – novel challenge-based solicitations that seek innovative solutions to specific Defence capability challenges.

The Hub provides Australia's industry and innovation sector with the support and guidance needed to harness the ingenuity of innovators to develop and mature advanced technologies with the potential to deliver a capability edge. Since its launch in late 2016, the Hub has signed over 274 contracts with Australian businesses and research institutions valued at over $515 million (ex GST) to develop a wide range of cutting-edge and world-first technologies which enhance Australia's future warfighting capabilities. This includes investing upwards of $138 million in uninhabited and autonomous vehicle technology, $57 million in space-related technology, $47 million in radar technology and $21 million in cyber technology (all figures ex GST).

Many Defence Innovation Hub funded technologies are entering or approaching acquisition or commercialisation pathways – including unmanned surface vessels, small unmanned aerial vehicles, ship-borne satellite antennas, secure communications technology, camera sensors, virtual reality training systems and cyber security technologies.

A number of technologies featured in this Catalogue have received funding from the Hub, including Penten's AltoCrypt Stik, EM Solutions' Satellite Communications Terminals, AVT Australia's CM62 Micro Gimbal and Sentient Vision Systems' ViDAR.

For more information about the Hub, visit **www.innovationhub.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

Australian Government

Australian Trade and Investment Commission

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 global network covering 49 markets, 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**.

Sovereign Industrial Capability Priorities

What are Sovereign Industrial Capability Priorities?

Sovereign Industrial Capability Priorities are capabilities critical to Defence and must be developed or supported by Australian industry. This means Australia must have access to, or control over the skills, technology, intellectual property, financial resources and infrastructure underpinning the Priorities.

The initial ten Sovereign Industrial Capability Priorities outlined in the 2018 Defence Industrial Capability Plan are:

- Combat clothing survivability and signature reduction technologies;
- Munitions and small arms research, design, development and manufacture;
- Land combat and protected vehicles and technology upgrades;
- Aerospace platform deeper maintenance and structural integrity;
- Continuous shipbuilding program (including rolling submarine acquisition);
- Collins class submarine maintenance and technology upgrade;
- Enhanced active phased array and passive radar capability;
- Advanced signal processing capability;
- Surveillance and intelligence; and
- Test, evaluation, certification and systems assurance.

The release of the 2020 Defence Strategic Update and Force Structure Plan signalled a need to review and adjust our policy settings. This included addressing changing strategic circumstances, the threat of emerging technologies, and opportunities and risks posed by increased activity in the space and information domains.

In August 2021, the previous Minister for Defence Industry announced four additional Sovereign Industrial Capability Priorities. They are:

- Robotics, autonomous systems, and artificial intelligence;
- Precision guided munitions, hypersonic weapons, and integrated air and missile defence systems;
- Space; and
- Information warfare and cyber capabilities.

Further information on the Sovereign Industrial Capability Priorities is located here: **https://www1.defence.gov. au/business-industry/capability-**

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

Australian Government
Department of Defence

ODIS
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.

13 28 46
odis.contact@defence.gov.au
www.defence.gov.au/odis

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	Mobile
	Include area and country code	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

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	Eol 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, assault pioneer, air defence, mortar
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, assault pioneer, direct fire support, route clearance and medical evacuation. The Bushmaster is air portable in C-130 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 150 systems
Weapon systems	Nil

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
BAE Systems Australia
Boeing Defence Australia
Electro Optic Systems
L3Harris Technologies
Luerssen Australia
Saab Australia
Supacat
Thales Australia

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

Aspen Medical

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

aspenmedical

Company Brief

Aspen Medical is a global provider of innovative and tailored healthcare solutions. Aspen Medical can provide scalable and agile solutions, from deploying a single nurse or paramedic through to a full spectrum deployable field hospital capability with field medical training services, ambulances, aeromedical evacuations and a full complement of clinical staff. Aspen Medical specialises in providing healthcare in remote, challenging and austere environments.

Healthcare Solutions

Aspen Medical offers Defence clients a turnkey field or garrison healthcare solution. Services include primary, occupational and emergency healthcare; environmental and public health; disaster and humanitarian response; PPE manufacturing; health technology; health logistics; specialised military medical training; and deployable mobile hospitals (Role 1–3). Aspen Medical has significant experience in providing complete deployed healthcare services to military clients both in conflict and disaster zones, as well as in peacetime, and ensures supply of fit-for-purpose solutions with rapid execution, delivered in concert with military logistics infrastructure.

Availability <3 months.

Austal Australia

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

Company Brief

Austal is one of Australia's global shipbuilders, 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.

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.

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), awarded in 2016 and comprising 21 vessels to be gifted to 12 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.

Armidale Class Patrol Boat (ACPB)

Since launch in 2005, the Armidale-Class Patrol Boat (ACPB) fleet has proven to be an effective, reliable and versatile patrol boat platform, operating with the Royal Australian Navy throughout Australian and international waters. Based on Austal's proven aluminium monohull patrol boat platform, developed over the past 20 years, the Armidale Class is ideal for a range of border patrol, surveillance and maritime security and support missions; including illegal drugs and people smuggling interdiction, bio-security and environmental monitoring and search and rescue.

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

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 1.5°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.

High Frequency (HF) Systems

BAE Systems is a global leader in the design, build and operation of HF Wide Area Surveillance and HF communications systems. BAE Systems offers a family of advanced, off-the-shelf HF transmitter and receiver building blocks for extremely high-performance HF radar, sounder and communications systems. Proven multi-channel digital receiver, waveform generation, frequency management and timing reference sub-systems to support HF systems applications. BAE Systems can also provide design and integration capabilities to build custom system level HF solutions.

Availability   6+ months.

Ship Air Defence Model (SADM)
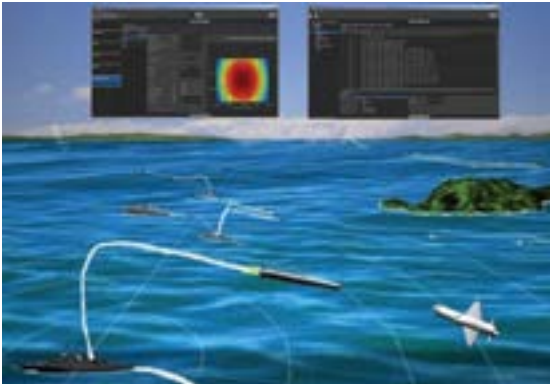
SADM is a maritime air defence simulation tool that is in-service with Navies and research organisations around the world. SADM offers high fidelity operational analysis of Task Group level air and surface warfare engagements. Scientists, engineers, military tacticians and operators are able to collaborate 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.

Future Advanced Threat Simulator (FATS)

The core FATS capability is a programmable RF threat simulator emulating an anti-ship missile (ASM) for the purpose of testing vulnerabilities of naval platforms and countermeasures. The FATS operates in INDIA, JULIET and KILO frequency bands and may be configured in Laboratory, Hardware-In-Loop (HWIL), Clifftop and Flight configurations. The FATS Software tools permit End Users to plan trial activities and to program FATS to emulate the missile's transmit characteristics, receive processing and tracking behaviours. FATS can be employed to conduct both land and air threat assessments. The FATS currently operates as an Active RF ASM emulator.

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 being adopted widely across all ADF domains. As the prime for all Boeing platform sustainment, 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.
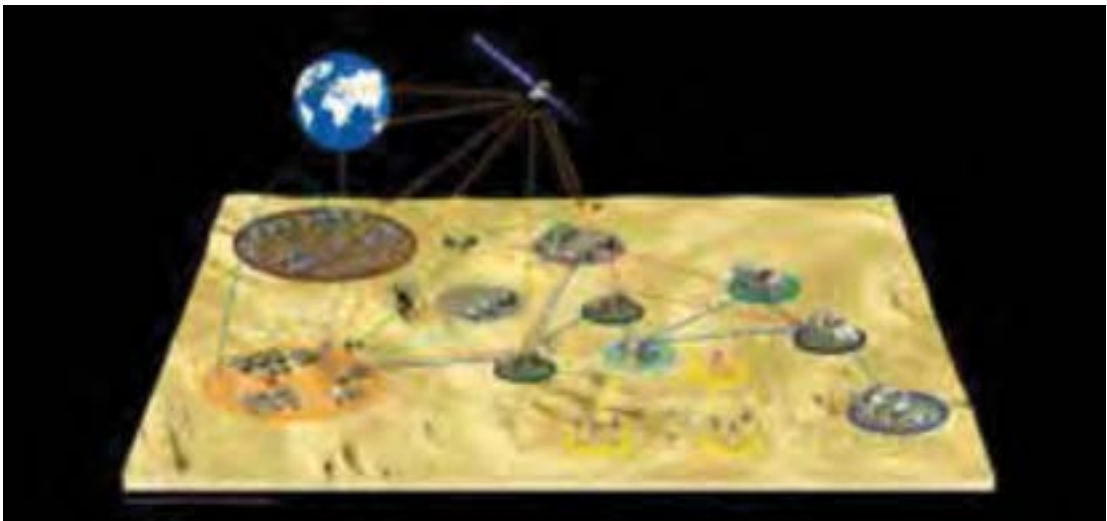
Availability   Designed and manufactured to order.

Deployable Data Centre Assembly (DDCA)

Serving 50-500 users with multiple security domains, the Deployable Data Centre Assembly (DDCA) incorporates routing, switching and server functionality with integrated efficient cooling, 8kW diesel generator, UPS and flexible capacity to support distributed virtual machines, networks, applications, voice, video and data. Rapid deployment and automated management simplifies network establishment and adaptability over many communication technologies including integrated High Capacity Line Of Sight mast and SATCOM options. Features include Power Management, blackout and remote operation.

Availability	Designed and manufactured to order.

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, 96GB of RAM and two 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.

Electro Optic Systems

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

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 Stations: R400S/R150

The R400S is a lightweight remote weapon station suitable for land and naval applications. Integrable with a wide variety of vehicles and platforms it supports single or dual weapons from 5.56mm MG to 30x113mm cannon. In dual configuration, the R400S mounts both 30mm and 7.62mm weapons; all can mount an ATGM. Its ultralight variant the R150S is capable of mounting MGs up to 12.7mm. Both are fully stabilised, use a surveillance grade day/thermal sensor package and a vehicle and user interface common to the family of EOS RWS, and can be easily adapted as part of a CUAS/UGV/Missile system solution. The R400S is in service with the Australian Defence Force and several international customers.

Availability 6+ months.

Counter Drone Defence System: Titanis

Based on the proven EOS R-Series remote weapon stations, Titanis is a fully integrated and scalable CUAS system. Titanis incorporates EOS' direct fire engagement systems (R150S/R400S/R800S remote weapon stations), 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

EOS develops technologies for space surveillance, space domain awareness and space traffic management, producing highly accurate, real-time space intelligence products for commercial and Defence customers. Leveraging the company's own space object catalogue and other sources, EOS determines key attributes such as satellite behaviours, object characteristics and orbital threat studies. Information is updated regularly using EOS' unique network of ground-based sensors. This ensures that satellite operators and space intelligence professionals are kept up to date with the most recent and accurate data available.

Availability   6+ months.

L3Harris Technologies

Design | Electronic Warfare | Engineering | Manufacturing | Robotics | Space
Capabilities

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.

Dynamo

Dynamo is a personal electronic counter measures (ECM) system designed to provide protection against radio-controlled improvised explosive devices (RCIEDs). The system is low cost, with low size, weight and power (SWaP) and requires no training to operate. Dynamo provides a layer of protection in hostile and hazardous environments where there is a threat of RCIED attacks, offering an ultra-compact, lightweight and reliable solution to enable confidence and freedom of manoeuvre for personnel. The device is suitable for operation by a wide variety of personnel acting in austere environments including private security, first responders, to high-end special operations users.

Availability 3 - 6 months.

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 ais manufactured and maintained in Australia and has been exported to Navies and commercial projects worldwide.

Availability 3 - 6 months.

Luerssen Australia

Design | Engineering | Ship Building
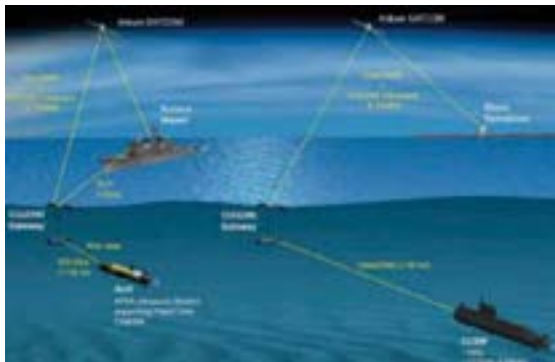
Company Brief

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.

Saab Australia

Communications | Engineering | Logistics | Humanitarian | Medical |
Ship Building | Space Capabilities | 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 experience 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.

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

ICT & Cyber | Manufacturing | Space Capabilities | Through-Life Support |
Vehicles & Accessories | Weapons & Ammunition

Company Brief

Thales Australia is a trusted partner of the Australian Defence Force, and 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

Thales's Protected Mobility Vehicles offer class leading protection, mobility and payload in a versatile, multi-role platform. Bushmaster is ballistic, mine and IED resistant and delivers high levels of protection and survivability for up to 10 occupants. Bushmaster is in service with the Australian Army and the defence forces of eight other nations. The Hawkei meets the requirements of the modern defence force for a versatile and fully C4i integrated vehicle able to 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.

F90 Automatic Rifle Family

The F90 and F90 MBR (Modular Bullpup Rifle) are a new generation military assault weapon. One of the most compact and lightweight military rifles available, it delivers new features, improved ergonomics and greater mission flexibility: • NATO standard rails and magazine • Innovative modular design ensures compatibility and interoperability with weapon fleets and allied forces • US SOCOM OTB qualified. Can be fired immediately following water immersion • SIMUNITION adapter is also available for Force on Force training • Integrated side loading 40 mm grenade launcher equipped with a lightweight robust quadrant sight. Compatible with night vision goggles

Availability 6+ months.

Australian Minesweeping System

Australian Combined Influence Sweep (CIS) was developed with the Australian Defence Science & Technology Group and the Royal Australian Navy. Produced at Thales's Acoustics Centre of Excellence, the CIS has been deployed across 11 navies. The sweep 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; an ECDIS based minesweeping navigation and control system; and integrated logistics support services. The Australian CIS provides naval forces with the capability to detonate hostile sea mines designed to target naval and commercial shipping.

Availability 6+ months.

Small Arms Ammunition Components

The Commonwealth facility in Victoria 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 has for many years safely delivered explosive ordnance logistics, transport distribution, storage, maintenance, training and disposal.

Availability 6+ months.

Supacat

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

Company Brief

Supacat specialises in the design and development of high mobility defence vehicles with over 1.000 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 the Commonwealth and global defence primes.

High Mobility Transporter

Developed for us by Special Forces, the HMT Extenda provides unmatched mobility and flexibility for broad ranging tactical, reconnaissance and support operations. The HMT, easily converted between 4x4 and 6x6 operation, can be fitted with mine blast and ballistic protection kit and a variety of mission hampers, weapons, communications, ISTAR and force protection equipment to suit an array of operational roles. The HMT base vehicle has been adapted in various configurations for many specialist roles with over 1000 in service worldwide.

Availability Designed and manufactured to order.

Section Four

1. Electronic

Advanced Navigation	GaardTech	Sentient Vision Systems
Cablex	Geodrones Australia	Sonartech ATLAS
Carbonix	Hiroco	SYPAQ Systems
Castlepoint Systems	Innovaero	Textron Systems Australia
Chironix	IntelliDesign	Trellis Data
Consilium Technology	Jenkins Engineering Defence Systems	Ultra Electronics Avalon Systems
DefendTex	Orbital UAV	Unitronix
DroneShield	Prism Defence	
elmTEK		

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

Advanced Navigation

Autonomous Systems | Research & Development | Robotics | Space
Capabilities | Weapons & Ammunition

Company Brief

Advanced Navigation builds quality navigation solutions for defence and commercial markets. The products are developed and manufactured in Australia and are designed to deliver critical navigation information across sea, land and air platforms including surface, sub-sea assets, ground vehicles, and unmanned aerial vehicle applications. The team has world-class expertise in the fields of inertial navigation; global navigation satellite systems, sensors and acoustics; and artificial intelligence.

Spatial FOG Dual

Spatial FOG Dual is a ruggedised dual-antenna GPS aided inertial navigation system that provides accurate position, velocity, acceleration and orientation under the most demanding conditions. The inbuilt Fibre Optic Gyroscope allows Spatial FOG to provide extremely precise orientation and positioning information in the sustained GPS-denial environments often encountered in the battlefield.

Availability 3-6 months. Designed and manufactured to order.

Cablex

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

Company Brief

Cablex is one of Australia's leading manufacturers and exporters of complex Electrical Wiring Interconnect Systems, electromechanical assemblies, avionic bays, consoles and box build electrical enclosures for the Defence and Aerospace market. Cablex has significant experience in developing and manufacturing electrical solutions and systems for harsh environments where electrical noise is a critical factor. Cablex offers bespoke end-to-end world-class engineering support and C4i systems engineering and integration.

Wiring Harnesses

Cablex manufactures complex wiring harnesses, customised to customerdesign and specifications.

Availability <3 months.

Carbonix

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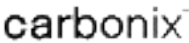
carbonix

Company Brief

Carbonix is a specialist RPAS (drone) manufacturer offering complete systems based on a VTOL platform capable of carrying 7Kg for 6 hours. Carbonix integrates 'turnkey' systems in-house with processes formed over years of building high-performance machines, and UAVs are constructed from light, durable composites and fitted with quality proprietary avionics to enable autonomous remotely piloted operations. Carbonix offers OEM type-training, maintenance and servicing with support worldwide.

Domani Remotely Piloted Aerial System (Drone)

Carbonix Domani is a complete RPAS package for aerial ISR. With a 5 metre wingspan, it is equipped with Vertical Take Off and Landing (VTOL). Domani is optimised for long-range fully-autonomous missions (6 hours flight), enabling stable flight in the toughest conditions. Domani enables a range of sensors including: Electro Optical, Target Tracking, Infrared sensors, Thermal, Hyper-spectral, and LiDAR. With hybrid fuel/electric power, and proprietary avionics with over 6,000 hours of testing, the modular system architecture allows rapid field deployment in under 15 minutes.

Availability <3 months.

Castlepoint Systems

Artificial Intelligence | ICT & Cyber

Castlepoint.

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 is an innovative information management and compliance system that reads, registers, relates, and regulates all records of business, in all systems and formats. Leveraging AI to control the information management lifecycle, Castlepoint automates compliance and boosts productivity, while significantly reducing security and audit risks. Castlepoint automates records management compliance, eDiscovery, security and sensitive information management, audit and assurance, and other governance processes. It is a manage-in-place solution. It is invisible to users and has no impact on source systems, so is fast and low cost to deploy.

Availability <3 months.

Chironix

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

CHIRONIX >

Company Brief

Chironix is a software engineering company with a specialisation in human-robot teams and the integration of unmanned ground vehicles. Australian owned and operated, and headquartered in Western Australia, Chironix partners with global technology leaders combining their devices with software engineering expertise to build human-centered products which ease the cognitive load and improve workplace safety and efficiency.

PilotOS Human-Machine Teaming Platform

PilotOS is the human-machine teaming platform designed to lower cognitive burden resulting in increased utility and safety of the workforce. It's the software layer that synchronises the effects between a human and robot workforce. PilotOS reflects all tasks in one system that synchronises the effects between the human-robot workforce to reach major and macro objectives, resulting in the capability to control robot behaviours.

Availability 3 - 6 months.

Consilium Technology

Artificial Intelligence | Autonomous Systems | Electronic Warfare | Engineering | Intelligence, Surveillance & Reconnaissance | Research & Development

consilium
TECHNOLOGY

Company Brief

Consilium Technology is an Australian owned and operated Artificial Intelligence (AI) company helping organisations make better decisions. The company is composed of experts in artificial intelligence, machine learning, modelling and simulation, big data analytics and software engineering. The cross-disciplinary team offers professional consulting services and intelligent software solutions. As leaders in AI, Consilium solve some of the most complex problems within the defence enterprise.

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.

DefendTex

Engineering | Field Equipment | Humanitarian | 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.

Drone155

A 155mm evolution of Drone40, the Drone155 is a heavy lift long endurance system (up to 15kg and 90 minutes with ISR) . The larger calibre system can be rapidly deployed from unprepared areas in under 2 minutes. The low-cost, expendable, yet capable unmanned aerial system features a GPS based autopilot system with a portable ground control station communicating over an encrypted radio data-link. A suite of modular payloads can be fitted, including EW, Kinetic, ISR, Laser designator and Smoke/Flash effectors. In addition, Drone155 can be fitted with drop pods that can deploy munitions or multiple Drone40s, and can carry slung payloads including CBRN decontamination and medical payloads.

Availability Designed and manufactured to order.

DroneShield

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

Company Brief

DroneShield focuses on Electronic Warfare (EW), Artificial Intelligence, radio frequency (RF), Intelligence, Surveillance & Reconnaissance (ISR) and C2 solutions. It is a world leader in Counter UAS products, manufacturing sensors and EW hardware and software.

DroneSentry-X

The DroneSentry-X is a vehicle-mounted or fixed-site RF sensor with Artificial Intelligence capability to detect and classify the RF environment around it, including UAS and other improvised threats. The DroneSentry-X can also incorporate jamming capability to defeat UAS or other improvised threats. Existing customers include US Department of Homeland Security.

Availability <3 months.

elmTEK

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

Company Brief

elmTEK is a defence science and technology business comprising a multi-disciplinary team of engineers, physicists and mathematicians. elmTEK has strong pedigree in platform survivability, electromagnetic spectrum technologies, countermeasure development and validation, and electro-optic systems, with customers established across air, land and maritime domains. elmTEK's core capabilities are in modelling, simulation and analysis, measurement and test systems and sensor and integration technologies.

GVA Software

elmTEK offers, under licence, a GVA Middleware, comprised of the GVA Core SDK, a GVA Video SDK and a Common Platform Services Application Suite. elmTEK's approach adopts an abstraction and layering architecture to minimise the impacts on applications caused by various DDS middleware and different nations' GVA LDM specifications. The built-in conformance layer supports essential compliance features, and common business logic to engage with platform services. elmTEK delivers guaranteed GVA conformance, providing significant cost and risk reduction associated with GVA development for vehicle and sub-system OEMs.

Availability <3 months.

GaardTech

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

Company Brief

GaardTech, through its global network including GaardTech Aus, 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.

Jaeger-Combat Autonomous Ground Robot (AGR)

The Jaeger is designed to complete a number of mission profiles, ranging from the destruction of high-value assets such as Main Battle Tanks to the generation of data streams or persistent ISR. The Jaeger-C is equipped with powerful processors enabling real-time ML-Vision analysis in combination with GaardTech's AI machine learning models. The Jaeger can be connected to GaardTech's Jaeger Commander Software to enable C3 and image feed analysis over extremely long ranges. GaardTech's Jaeger has proven itself on combat missions in Europe and is the next generation of robotic fighting.

Availability <3 months.

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.

Dragonfly Small Unmanned Aerial System

Dragonfly is a Small UAS (Sub-2kg) designed, manufactured and supported entirely in Australia, featuring custom in-house motors for efficient flight regimes, smart battery and battery management solution and in-house designed custom electronics. Dragonfly offers a tilt-wing tri-copter configuration that allows the UAS to transition from a VTOL position into a fixed-wing, taking advantage of both multi-copter and fixed-wing flight dynamics. Fully integrated with a high level of automation and resiliency, the Dragonfly can conduct obstacle avoidance and operations within congested electromagnetic environments, with long endurance and enhanced range for its weight class.
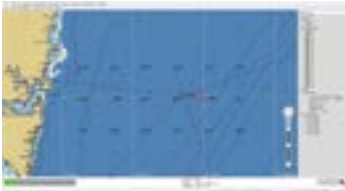
Availability 3 - 6 months.

Hiroco

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

Company Brief

Hiroco specialises in augmented human-machine teaming, based on research focussing on cognitive robotics and how cognitive psychology can be applied to artificial agents to improve how humans and robots collaborate. The company is committed to the research and cutting-edge technology that drives Hiroco's ability to produce the next generation of Defence technology.

MARTAS

The Multi-Agent Resource Task Allocation System (MARTAS) is a tool that enables operators to control large, multi-agent teams with greater effectiveness. It does this by autonomously and optimally assigning resources to tasks. Users specify a high-level objective, and MARTAS will determine the optimal way to deploy all resources. It is a task and agent-agnostic system, enabling it to interface with and control humans, robots, vehicles, or any other asset available.

Availability 3 - 6 months.

Innovaero

Autonomous Systems | Design | Engineering | Intelligence, Surveillance &
Reconnaissance | Optical | Research & Development | Test Equipment |
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 set a global benchmark for 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.

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 skilled 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. We are certified to AS9100D for design and manufacture.
Recent Defence projects include: (1) Secure Communications System for
Northrop Grumman (2) Power Supply Module for Boeing Defence Australia
(3) Electronic manufacturing for Rheinmetall (4) Complex electronic box
manufacturing for Curtiss Wright

Availability   3 - 6 months.

Jenkins Engineering Defence Systems

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.

Periscope Antenna Subsystem (PASS)

JEDS' Periscope Antenna Unit (PAU) (Direction Finding (DF) capability optional) and updated Radio Frequency (RF) distribution and DF processing: Microwave Omnidirectional Intercept 1-18 GHz; Tactical Microwave DF (option) 2.7-18 GHz providing 5-7° rms bearing accuracy; Millimetric Omnidirectional Intercept 18-40 GHz; Communications Intercept 20-1000 MHz (extends down to 1 MHz); GPS L1 & L2 (option for GPS anti-jam implementations); and Inboard Electronics suitable for mounting in a 19" rack. Height, width (of units); environmentals and cables tailored to customers requirements.

Availability Designed and manufactured to order.

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 the world leader in spark ignited heavy fuel propulsion systems for tactical UAVs. Capabilities include: • Design and Development: Concept definition through to production. • Machining and Prototyping: Rapid in-house manufacture for prototyping and production. • Testing and Validation: Aero-Engine propeller test stands (including durability cycles such as FAR33); environmental dynamometers for cold start down to -35C and hot operation up to 60C; and altitude simulation up to 20,000ft. Key Product Features • Heavy fuel capable (e.g. JP5, JP8) • 500hrs time between overhaul • Immediate cold start launch • US FAR33.49 certified

Availability 6+ months.

Prism Defence

Design | Engineering | Research & Development | Test Equipment | Training & Education | 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) .

Prism AirHub - Embarked Aviation Management System

AirHub enables embarked aviation to be more effective by turning data and process into operational advantage. Supporting a digital transformation of whole ship aviation operations from manual process heavy, procedurally complicated legacy systems into capability-led, intelligent solutions AirHub enhances situational awareness, informs decision making, reduces workload and increases safety and performance. Prism solutions are applicable to all aircraft and UAS whether onboard a light-crewed Offshore Patrol Vessel, a complex high-tempo warship or an aircraft carrier. Designed to support progressive development, Prism continues to expand AirHub capabilities to realise user-driven requirements.

Availability <3 months.

Sentient Vision Systems

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

Company Brief

Sentient Vision Systems is a world leader in artificial intelligence-powered optical sensors providing the ViDAR autonomous passive wide area detection and classification at day and night for ISR and SAR roles. They have also delivered over 3500 of the Kestrel Moving Target Indication software systems for EO/IR gimbal sensor suites to provide autonomous small target detection on land and at sea. Both technologies are in service worldwide with numerous navies, coast guards and security agencies.

ViDAR

ViDAR (Visual Detection and Ranging) is the world's first Optical Radar and provides autonomous passive wide area detection and classification day and night for ISR and SAR roles. ViDAR autonomously finds objects on the surface of the ocean over vastly greater areas than traditional search methods. ViDAR is also a passive sensor technology ViDAR is not detectable when in use. ViDAR Land is now also available and brings this capability to the land domain to autonomously detect and classify moving land systems in support of land ISR operations. ViDAR Surface is now also available for surface vessels providing 360-degree autonomous surface situational awareness.

Availability 3 - 6 months.

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. Our leading export items include: Intercept Detection and Ranging Sonar (IDRS), sonobuoy processor (Sonix) and Shore Based Information Centre (SOBIC).

Sonix-M

Sonix supports the simultaneous collection, recording, analysis, and display of signals from sonobuoys to allow detection, localisation and classification of underwater threats by ASW units. The system receives and processes up to 64 channels of passive and active acoustic data, and can support multi-static active search operations using coherent and incoherent sound sources. Processed data is displayed on appropriate displays including LOFAR, DEMON, Bearing Time History, Frequency Azimuth and Acoustic Situation Display. The operator is provided suitable analysis tools, which include: • measurement cursors • Multi-point dividers • Closest Point of Approach tools • Lloyd's Mirror calculators

Availability 6+ months.

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.

Corvo ALTO

Corvo ALTO is a Sovereign MRUAS platform that is suitable for a variety of mission profiles, including ISR, Comms Relay, Swarming and Flocking. The system includes an in-House designed common ground control application for vehicle and payload control and the GCS Communications modules utilise a range of mesh radios. With simple controls and intuitive views, Corvo Control provides RPA operators with easy planning and efficient execution of missions, and simple, intuitive payload control. The application functions in both the windows and android environment.

Availability 6+ months.

Textron Systems Australia

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

Company Brief

Since 1995, Textron Systems Australia has been designing, manufacturing and servicing a range of unmanned aircraft systems (UAS) including the Aerosonde SUAS. This has ensured that Australian Sovereign Capability remains at the forefront of autonomous systems. 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)

The Aerosonde Tactical Unmanned Aircraft System (TUAS) offers superior reliability and multi-mission performance in its class. Designed to be runway-independent is expeditionary for land- and sea-based operations and equipped for simultaneous day-and-night full-motion video, communications relay, electronic warfare, signals intelligence and a customer selected payload in a single flight. The Aerosonde TUAS delivers reliable, multi-mission performance, and is field-proven with more than 600,000 flight hours, including desert heat and Arctic cold. The Aerosonde is flexible even further with the Aerosonde HQ, which uses Hybrid Quadrotor technology to achieve vertical takeoff and landing (VTOL).

Availability 3 - 6 months.

Trellis Data

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

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.

Trellis Intelligence Platform (TIP)

Trellis Data has created a world leading advanced machine-learning platform - the Trellis Intelligence Platform (TIP). The TIP can deliver trusted 'decision making at the sensor' (DMATS) for intelligence, surveillance and reconnaissance at land, sea, air and space. The TIP learns from unstructured data (such as documents and social media), video, sound, and any other data source, including speech to text, speaker ID, facial recognition, object detection, acoustic analysis and more. It is delivered in a small form, battery operated IP67 device for contested environments, reducing network congesting while increasing intelligence.

Availability <3 months.

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 operates with specialised staff and facilities with the full range of required security and accreditations to operate on sensitive military technologies, and supplies and supports products in-service in the Australian Defence Force (ADF).

Availability Designed and manufactured to order.

Airborne Signature Measurement System (ASMS)

The ASMS performs critical Electro-Optic (EO) or Radar Cross Sectional (RCS) 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, as well as facilitating suppression of ships signatures to counter the effectiveness of enemy sensors and weapons. The ASMS combines both EO and RCS units into one system for airborne signature measurement. The carry-on carry-off helicopter based ASMS allows collection of signature data whilst the helicopter manoeuvres around the targets of interest.

Unitronix

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

Company Brief

Unitronix has more than thirty years of collaborating and supplying Rugged Embedded Computing to the Australian and UK Department of Defence and their Defence Contractors. The new Unitronix REN Series of Rugged Embedded Node Chassis is now available to governments and to private enterprise. REN fully sealed high end Rugged Embedded NODES or REN Series Computers are designed and manufactured in Australia. REN is a highly flexible product for engineers looking to make their own systems, these products operate well with short runs and quick deployments. REN MTBF (Meantime Time Between Failure) is greater than 12 years.

Availability Designed and manufactured to order.

REN - Rugged Embedded Node

The REN Series is a new way of looking at a COTS embedded solution. Developed and manufactured in Australia by Unitronix as a building block that engineers can utilise to rapidly develop applications that need to run on rugged fully sealed hardware at the edge. Unitronix REN boxes are developed to be nodes processing information at the edge of large systems where environmental forces rapidly degrade standard computing solutions. The REN range provides an elegant rapid development platform that engineers can tune exactly to their in-field requirements.

Section Four

2. Communications

archTIS
AUCloud
Av-Comm Space and Defence
AVI
AVT Australia
Barrett Communications
Blacktree Technology
CBG Systems
CISTECH Solutions
Clearbox Systems
Cocoon Data
Codan | Domo Tactical
Communications
Cogito Group
CyberMetrix
Daronmont Technologies
Datapod Australia
Defence Communications Industry
Diamond Defence
EM Solutions
Fivecast
Future Fibre Technologies
(Ava Risk Group)
Janusnet
Jet Aviation Australia
MicroSecure Northwest Group
Operational Systems
Optic Security Group
Penten
Prophecy International
QuintessenceLabs
Red Piranha
S2IX
Silentium Defence
ZCG Scalar Antennas
Zone Products Australia

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. Keep Sensitive Documents Secure - Control access and sharing with granular, zero trust ABAC policies including security classification, country and organisational releasability.

Availability   <3 months.

AUCloud

ICT & Cyber

Company Brief

AUCloud is Australia's sovereign cloud Infrastructure as a Service (IaaS) provider exclusively focused on Government (Federal, State and Local) and Critical National Infrastructure Industry communities. AUCloud are independently certified to the PROTECTED level controls of the Australian Signals Directorate (ASD) Information Security Manual (ISM).

Cloud Compute as a Service (CaaS)

CaaS allows the customer to provision Virtual Machines (VMs) within a sovereign Infrastructure-as-a-Service (IaaS) environment. CaaS offers a range of VM sizes, storage and connectivity options which enable the customer to provision operational IT systems in minutes. AUCloud CaaS offers the scalability, automation and convenience associated with global cloud offerings, but requires no additional controls to operate in Government classified environments in Australia, enabling customers to comply without extra customisation effort or cost. The service can be tailored to meet local security requirements.

Availability   <3 months.

Av-Comm Space and Defence

Communications | Design | Engineering | Intelligence, Surveillance &
Reconnaissance | Manufacturing | Space Capabilities | Through-Life Support

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. Cassowary is manufactured in Australia and available for export world-
wide, with optional installation services that can be provided by Av-Comm and
partners.

Availability   3 - 6 months.

AVI

Autonomous Systems | Communications | Engineering | Manufacturing |
Research & Development | Space Capabilities

Company Brief

AVI is an Australian owned manufacturer of mission critical ICT hardware and software systems designed to operate
in hostile environments for military, government and mining. Led by high-calibre specialists committed to providing
trusted and scalable communication solutions, AVI boasts end-to-end supply chain traceability, complete in-house
manufacturing, specialised testing capabilities, advanced training delivery, through-life support and maintenance
programs to ensure system optimisation.

Communications for zero-fail environments

AVI's high-assurance hardware and trusted software solutions are engineered
and manufactured in Australia to offer unrivalled performance and survivability
on the battlefield. • Communications systems built to outlast - Hardened
ICT networking, LTE, Wi-Fi and other systems designed, engineered and
manufactured in AVI's facilities for ultimate quality and performance. •
LANpipe® & CCMS® - Enhanced, Software Defence Networking solutions
offering simplified remote management, bulk configuration and asset
monitoring from a single dashboard interface. • AVI's environmental testing
facilities enable conformance to the strictest standards.

Availability   Designed and manufactured
to order.

AVT Australia

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

Company Brief

AVT Australia is a leading 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.

CM262 Micro Gimbal

The CM62 Micro Gimbal represents the latest in 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.

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) 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, providing flexibility with ease of upgrade. The company also offers the PRC-2080+ tactical low band VHF transceiver which is designed for multi-role military and security applications. www.barrettcoms.com

Availability <3 months.

Blacktree Technology

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

Company Brief

Blacktree Technology is a critical communications specialist, delivering a range of complex satellite and terrestrial communications systems. Blacktree designs, engineers, manufactures, installs, commissions, and maintain 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 have been designed to withstand, and are proven in, the harshest environmental conditions used by various entities around the world. The ruggedised construction of the antenna has been optimised to support full-duplex systems therefore minimising 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.

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 has been designing and manufacturing antenna systems for 50 years and during that time have accumulated a wealth of knowledge and experience in the development of 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 allows fast response and development of 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.

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.

Clearbox Systems

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

Company Brief

Clearbox Systems uses technology to develop new and better techniques for the Operations and Management of Communications Networks and the Electromagnetic Spectrum. 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 Clearbox Systems' range of RF Electronics products. Enabling Heterogeneous Signal Processing Systems. Clearbox RF products are design to digitise RF and provide the stream in the most efficient manner possible 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 as well as 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.

Cocoon Data

ICT & Cyber | Intelligence, Surveillance & Reconnaissance

Company Brief

Conceived for the military, Cocoon Data is a world-class 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 class leading, and deployable to organisations of any size and background within minutes, for those supplying to the world's most prominent businesses. 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.

Codan | Domo Tactical Communications

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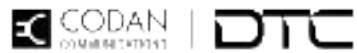
Company Brief

Codan Communications has over 60 years' experience delivering outstanding technical solutions for some of the harshest environments on earth. Codan is uniquely positioned to solve complex electronic challenges through agile engineering, advanced manufacturing and comprehensive through-life support. Codan's pedigree is built on a track record in supplying products to a variety of defence customers, as well as radio systems to numerous global Defence forces.

Sentry-H 6110-MP

Codan's Sentry-H 6110-MP delivers a powerful 30W RF power output and up to 79 hours of battery life in less than 4.7kg of weight. The 6110-MP forms an integral part of the Sentry-H product family that meets the demands of the modern battlefield whilst offering full backwards compatibility with legacy products. The 6110-MP is one of the smallest, lightest form factor manpack HF radios available, without compromise on capabilities. It delivers a rugged Software Defined Radio (SDR) solution for military organisations that demand uncompromised, secure voice and data communications, while on the move.

Availability Designed and manufactured to order.

Cogito Group

ICT & Cyber

Company Brief

Cogito Group is an award-winning Australian owned and operated 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 an award winning, innovative cyber security command and control platform designed to enhance Cyber-Situational awareness. Features: • protect data, networks and mission-critical tasks • intelligently combine data from multiple sensors and applications, enabling sensor fusion • actively counter and respond to threats, as well as dynamically adapt to new threats • automate security functions by linking security data derived from both physical and logical domains • manage identities and authentication mechanisms (single sign on, credential management, PKI Digital Certificates, Smartcards, Encryption Keys and One Time Passwords)

| Availability | Designed and manufactured to order. |

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. |

Daronmont Technologies

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

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 95 engineers and support staff in systems, software, hardware, mechanical and ILS disciplines. We're a successful exporter and Sovereign Industry Capability provider.

CommSECA 2020

Daronmont's CommSECA RF Search and DF System is designed for military applications where unattended ops are required. CommSECA achieves high accuracy in challenging RF environments. CommSECA can passively track multiple transmissions, allowing a quick response to illegal or life-threatening situations. CommSECA features low SWaP, an Open Architecture and an adaptable antenna interface. CommSECA comprises a 19 inch unit, a marine 3-band, 5-channel antenna and AIU. CommSECA operates across the frequency range of 1 MHz to 3.6 GHz, with accuracy better than 2 degrees. With COTS advantages, CommSECA also offers a high degree of customisation.

Availability Designed and manufactured to order.

Datapod (Australia)

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

Company Brief

Datapod manufacture scalable modular datacentre facilities including all site infrastructure and site preparation, with capacity from 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. The Datapod system is multi award-winning and has been deployed and supported in locations around the globe. For permanent C4ISREW mission systems requiring massive storage and processing, or temporary FOB applications, the Datapod system enables world-class data storage and processing in an EMSEC-optimised environment for personnel.

The Datapod System

Datapod systems are constructed from standardised factory built modules and have been deployed around the world, typically as a permanent structure to provide a timely, scalable and fit-for-purpose alternative to accommodating IT systems in traditional 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. The fully standardised modules can be assembled to the customer's requirement for full Factory Acceptance Testing within months and shipped to site for deployment.

Availability 6+ months.

Defence Communications Industry

Communications | Field Equipment | Through-Life Support
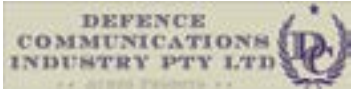
Company Brief

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% - delivering exceptional effectiveness 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.

Diamond Defence

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

Company Brief

Diamond Defence design and manufacture fibre optic, electrical, RF and hybrid cable harness assemblies, and custom fibre optic products for use in defence and telecommunications applications. 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.

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 & King Cobra X/Ka Satellite Communications

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 operating at both X and Ka Band - simultaneously in these two frequency bands if needed. 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 the requirements of military and government users in the provision of "assured communications" and unbreakable links.

Availability 3 - 6 months.

Fivecast

Intelligence, Surveillance & Reconnaissance

Company Brief

Fivecast is enabling a safer world. Fivecast helps organizations 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 a broad range of online platforms and incorporates analyst driven AI-enabled risk analytics through sophisticated, user-configurable detectors. Effective open-source intelligence (OSINT) holds the key to overcoming intelligence challenges, force-multiplying analyst teams and speeding up investigations. Fivecast ONYX is currently being used around the world to tackle big data challenges for a number of use cases including: - Extremist threat monitoring - Security vetting - Insider threat detection - Force protection - Anti-trafficking - Foreign influence detection - Fraud detection - and more

Availability <3 months.

Future Fibre Technologies (Ava Group)

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

Company Brief

Ava Group is a market leader of risk management technologies and support services, trusted worldwide by the most security conscious military, government and commercial clients at multiple sites. 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 advanced and versatile perimeter intrusion detection for fence and covert buried applications. This advanced system can also detect and locate unauthorised interference and illegal tapping of sensitive fibre optic data networks before data loss or damage can occur. With industry leading real time discrimination and classification techniques, Aura Ai-2 delivers market leading nuisance alarm handling while maintaining maximum 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.

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 marking software. 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. This facilitates the sharing of information with the right people and prevents distribution to the wrong people. 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.

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 & SATCOM, Video Management & Mapping Systems; operator consoles, avionics equipment upgrades; camera holes.

Availability Designed and manufactured to order.

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.

MicroSecure Secret Stealth Systems ® (MS4)

MS4C QUADRANT ® MicroSecure products and technologies facilitate Connecting Compliant Cyber Capabilities for legacy and emerging Wireline, Wireless, Wi-Fi and Radio Platforms for urban, intelligence and battlefield requirements. MicroSecure provides agnostic interoperable architectures for sensitive and classified applications with Contractor Furnished Equipment (CFE) and Government Furnished Equipment (GFE).

Availability Designed and manufactured to order.

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.

Optic Security Group

Communications | Field Equipment | Intelligence, Surveillance & Reconnaissance | Vehicles & Accessories

Company Brief

Optic Security Group is a leading provider of converged security risk management solutions serving the needs of corporate, enterprise and government clients across Australia and New Zealand. Optic Security Group delivers end-to-end security risk management through security risk advisory; networked and integrated physical security and safety system design, installation, monitoring, servicing, and maintenance; IT services and cybersecurity solutions.

Mobile Solar CCTV Security Trailer

• Mobile CCTV Surveillance Trailer • Heavy duty chassis • Fully insulated bodywork and lockable • Additional storage access • 6.5m pneumatic mast • Removable, interchangeable camera nest to suit internal camera nest travel mounts • Protective anti-graffiti coating • Internal rack with low voltage computer Cameras • Multiple CCTV cameras (PTZ/Fixed/Thermal) • Edge analytics • Triggered audio loudspeakers & lighting • Body worn video integration Communications Paths • 4G/4GX router • Wireless backhaul & meshing • Network monitoring of battery data • GPS monitoring/tracking Power • 790 Watts of solar power Standard • Diesel generator (Battery System assist) • Lithium 600ah batteries with expandability to 1200ah

Availability Designed and manufactured to order.

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. Our mission is to deliver new defence and security technologies for the future fight. 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. Our unique design enables users to roam cable free, collaborate with peers and access data, when and where they need it.

Availability   <3 months.

Prophecy International

ICT & Cyber

Company Brief

Prophecy International is an Australian B2B software business deliver Centralised Log Management and Security Monitoring solutions under the Snare brand from its 5 primary global locations. Prophecy has over 85 staff operating from offices in Australia, the Philippines, US and the UK. 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

The latest version of Snare Central will help security teams worldwide 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.

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, centralszed, and highly interoperable key and policy management, incorporating qStream™ QRNG and a FIPS 140-2 L3 Hardware Security Module for root of trust. As either a virtual machine, cloud instance, or hardware appliance, the TSF® can manage keys over their full life cycle, 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 to quantum resistant algorithms.

Availability <3 months.

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 Defence Science and Technology Group (DSTG) 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.

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 warfighters, 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.

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. Fast, safe and cost effective to deploy, MAVERICK passive radars are covert in operation, easily adapt to mission requirements and provide an undeniable advantage in any domain.

MAVERICK M8 Passive Radar

MAVERICK M8 passive radars bring 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. MAVERICK is difficult to locate due to the absence of any transmitted energy, and it does not need any emissions from targets to detect them. Tested to MIL-STD-810H, it can handle the demanding deployments and provides cost-effective protection without compromise. Available in both land and sea-based surface surveillance systems, Silentium's MAVERICK M8 provides an undeniable advantage over traditional radar systems – the ability to see without being seen.

Availability 3 - 6 months.

ZCG Scalar Antennas

Communications | Design | Engineering | Manufacturing | Research & Development

Company Brief

ZCG Scalar provides a range of products including mobile antennas for use on vehicles and the marine industry; base stations for police and emergency towers; and custom-designed broadcast antennas that enable radio and TV broadcasters to deliver a high quality, targeted signal. ZCG Scalar products are Australian manufactured and designed, and the range includes IED antenna configurations, drone antennas and products used on autonomous haul trucks used in the mining industry.

B46B Broadband antenna

The B46B broadband antenna can be used for Radio frequency communications, radar imaging. This style and type of antenna can be modified to operate in various frequency ranges, so is a robust and cost effective antenna for all communication needs.

Availability <3 months.

Zone Products Australia

Artificial Intelligence | Autonomous Systems | Communications | Electronic Warfare | Engineering | 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. Zone APS leading edge platform is rolled out Secure Defence Facilities in Australia and a significant Government facility in Australia as well as overseas. 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.

Section Four

3. Design to Delivery
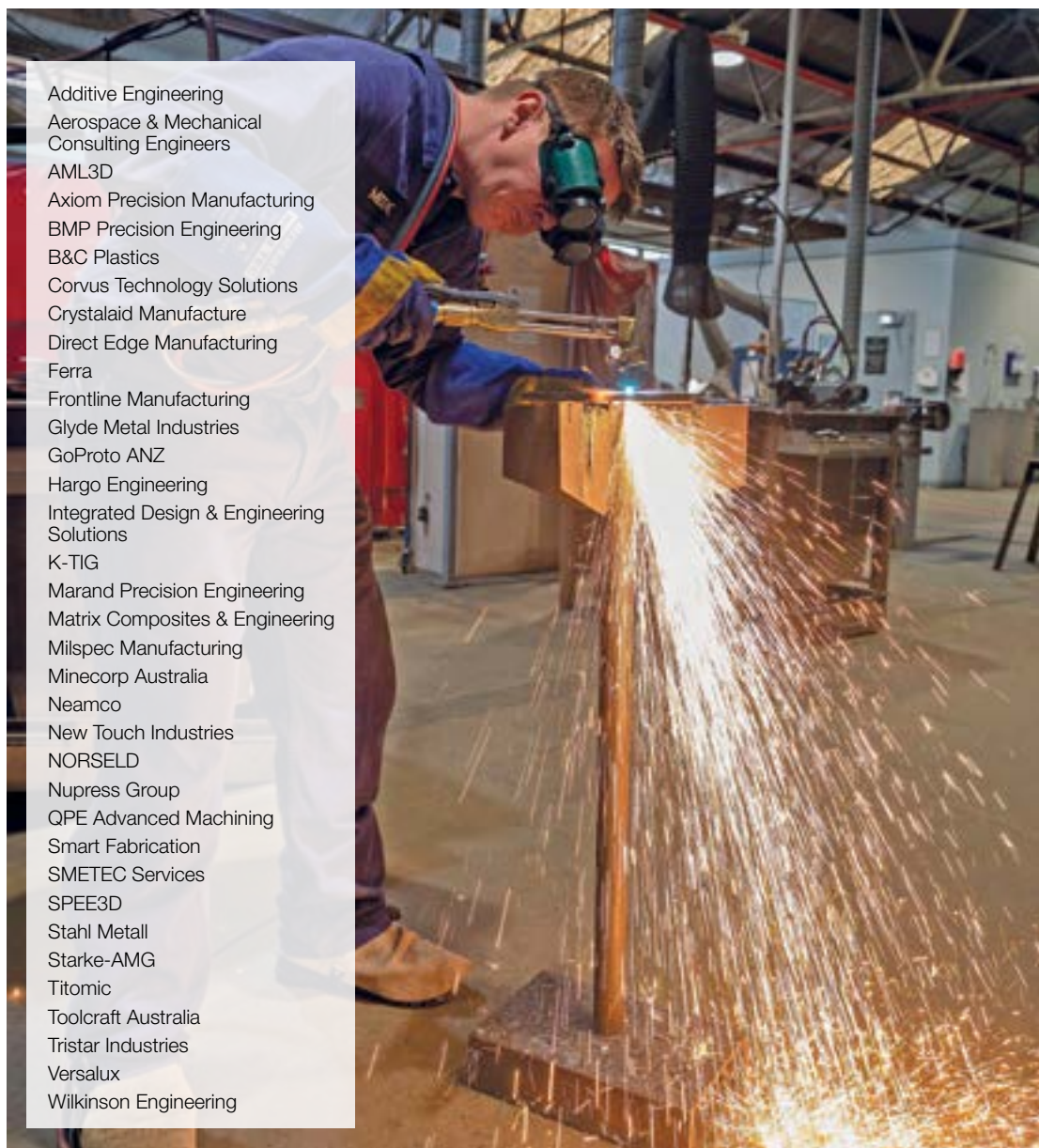
Additive Engineering

Aerospace & Mechanical Consulting Engineers

AML3D

Axiom Precision Manufacturing

BMP Precision Engineering

B&C Plastics

Corvus Technology Solutions

Crystalaid Manufacture

Direct Edge Manufacturing

Ferra

Frontline Manufacturing

Glyde Metal Industries

GoProto ANZ

Hargo Engineering

Integrated Design & Engineering Solutions

K-TIG

Marand Precision Engineering

Matrix Composites & Engineering

Milspec Manufacturing

Minecorp Australia

Neamco

New Touch Industries

NORSELD

Nupress Group

QPE Advanced Machining

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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 | Vehicles & Accessories | 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 uses aerospace-proven technology for manufacturing airworthy FAA-approved parts; 3D printing on demand with aerospace grade certified titanium (fully dense compared to forged), Inconel, steel, aluminium and copper; Plastics 3D printing has 15% higher fatigue limits than industry; Design lattices for SWaP-C in unmanned systems, vehicles, ships, satellites, antennas, batteries, electronics, conformal cooling and sound suppression. AE's responsive turnaround (days) for sustainment includes re-engineering, obsolescent parts replacement and CFRP tooling.

Availability <3 months.

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. In service with the RAAF C-130J aircraft since 2012, it is highly praised as a significant improvement in workplace safety.

Availability 3 - 6 months.

AML3D

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

Company Brief

Combining welding science, robotics, automation, materials engineering, and proprietary software, AML3D offers an innovative metal 3D printing solution. Using a patented Wire Additive Manufacturing (WAM®) process, AML3D enables a stronger, faster, more efficient and environmentally sustainable alternative to traditional methods. AML3D contract manufactures parts and is the OEM of ARCEMY® metal 3D printers.

ARCEMY® Industrial Metal 3D Printer

AML3D offers Defence, and suppliers to Defence, contract manufacturing solutions and is the OEM of ARCEMY® metal 3D printers, a turn-key metal 3D printing system for medium to large-scale parts using WAM®. Combining industry 4.0 and IIoT, ARCEMY® can be operated remotely with parts printed from a predetermined digital parts library. ARCEMY® allows for on-demand printing of certifiable and critical parts, eliminating the need and cost involved in holding inventory. Part manufacture possibilities are endless, with a myriad of wire feedstock available for manufacture from mild to stainless steels, aluminium, nickel and copper alloys to more exotic materials like invar and titanium.

Availability Designed and manufactured to order.

Axiom Precision Manufacturing

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

Company Brief

Axiom is a high quality manufacturing company, servicing customers in the aerospace, space, Defence, medical devices and electronic hardware industries. Known for high quality, reliability and affordability, Axiom to delivers products and projects on time to companies around the world. 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. The high quality CMM inspection and assembly departments allow Axiom to provide assemblies and sub-assemblies to the exacting standards customers require.

Precision Machining & Inspection Capability

Axiom produce the accurate, precisely engineered parts to the tightest tolerances is essential in a variety of applications. Axiom possess advanced capabilities in CNC machining with 5 axis and temperature controlled ability; putting Axiom at the forefront of Australian manufacturing. 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.

BMP Precision Engineering

Design | Engineering | Manufacturing | Research & Development

Company Brief

BMP Precision Engineering (BMP) is an Australian precision part and component manufacturer. The business has over 28 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 engineering and CNC Machining service

BPM's range of equipment supports all manufacturing process to be executed under one roof. BMP have developed many versatile machining strategies that complement each machining process also developing in house strategies for machining of carbide. Services available include: CNC 5 Axis O1000mm x 375mm | O800mm x 500mm CNC Multi-tasking: O530mm x 1065mm CNC Milling: 1600mm x 800mm x 800mm CNC Turning: O300mm x 650mm CNC Grinding: O300mm x 650mm CNC Wire Cutting: 400mm x 250mm x 200mm CNC EDM: 700mm x 450mm x 450mm CNC Press Brake: 3000mm x 135 ton CMM Verification: 900mm x 1500mm x 700mm Laser engraving: 600mm x 300mm | O100 x 400 3D CAD Software: x2 CAM software: x3

Availability <3 months.

B&C Plastics

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

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.

Corvus Technology Solutions

Autonomous Systems | Engineering | Manufacturing | Robotics | Through-Life Support | 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, 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.

Crystalaid Manufacture

Manufacturing | Space Capabilities

Company Brief

Crystalaid Manufacture is one of Australia's highest quality manufacturers 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.

Build to Print Microelectronics Manufacturing

Crystalaid Manufacture specialises in building complex microelectronics to customers exact design and specifications. Certified under AS9100D, ISO9001, ISO13485 and ISO27001 ensures the highest levels of quality and information security are adhered to.

Availability 3 - 6 months.

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 offer a range of services from design, drafting, prototype assembly, varied production quantities, CNC laser, punch, router, 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.

Ferra

Autonomous Systems | Engineering | Manufacturing | 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.

JDAM Extended Range (ER) Wing Kit

The JDAM ER Wing kit, is a guidance kit that triples the range of the standard weapon and increases accuracy at the fraction of the cost of comparable technology. The hardware is manufactured and integrated by Ferra and includes advanced assembly, test and qualification.

Availability Designed and manufactured to order.

Frontline Manufacturing

Engineering | Manufacturing

Company Brief

Frontline Manufacturing is a small business specialising in complete in house (5 – 5000kg) Steel component sub-assembly and assembly manufacturing specialising in high tensile. Services offered are; Laser Cutting (Laser to 20mm plate), Water Jet Cutting, Brake Press Folding (Folding to 1000 Tonne), CNC Machining, SP Welding and Robotics as well as 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 has been historically successful in supplying to Defence Primes largely because of a unique ability to offer a turnkey solution, 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 us the manufacture of complex, highly critical structures. Frontline has developed a specialisation in fabricating Armour Plate, working closely with the Australia's excellent domestic Armour Plate Manufacturer, and tested by the DMTC.

Availability <3 months.

Glyde Metal Industries

Engineering | Logistics | Manufacturing | Through-Life Support

Company Brief

Glyde Metal Industries (GMI) has 35 engineers, tradespeople and staff providing turn-key solutions including: engineering, laser and profile cutting, steel press forming, metal fabrication and robotic welding. GMI's capabilities enable fabrication of 1mm to 200 mm mild and high tensile steel plate. GMI recently commissioned a 10kW Steel Laser Cutter that increased efficiency, productivity and lowered costs.

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.

GoProto ANZ

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

Company Brief

GoProto ANZ is an advanced manufacturing company specialising in 3D Scanning, Tooling, 3D Printing / Additive Manufacturing (AM) services. GoProto's scalable services includes developing digital twin, digital libraries, prototyping, rapid tooling for composites, metals and polymers. Production services include injection moulding, vacuum casting, sheetmetal, CNC machining and additive manufacturing for polymers, elastomers and metal products utilising industry 4.0 technology to produce without minimum order quantities. Engineering materials include glass or fibre-reinforced composite, nylon PA12, ABS, polycarbonates, polypropylene and and rubber. Metals include stainless steel, aluminium, titanium and inconel.

Digital Twin Simulation to Additive manufacturing services

• Asset digitisation (3D scanning): vehicles, legacy equipment to building locations for inspections, product development, upgrades, planning, manufacturing and sustainment. • Rapid prototyping, tooling and on demand production. • Development with dampening materials, honeycomb for acoustic engineering, signature management and ballistics protection. • Manufacture with engineering polymers, aerospace materials, composites, elastomers and metals. • Low volume manufacturing: CNC Machining, sheet metal, injection moulding, die casting, tooling and master patterns for vacuum casting, investment, sand and lost wax casting. • Post finishes: electroplating for EMI, RFI shielding, conductivity, MILSPEC paint, UV stability, wear resistance, and signature management.

Availability <3 months.

Hargo Engineering

Engineering | Manufacturing | Space Capabilities

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 supplying quality componentry.

Connectors

Hargo supplies connectors to drawing specifications to US sub-primes such as Amphenol and ITT Cannon. As part of a full assembly, the connectors are supplied to primes such as BAE, Boeing and Space-X.

Availability <3 months.

Integrated Design & Engineering Solutions

Design | Electronic Warfare | Engineering | Intelligence, Surveillance & Reconnaissance | Manufacturing | Through-Life Support | Vehicles & Accessories | Weapons & Ammunition

Company Brief

Integrated Design & Engineering Solutions (IDES) is a wholly Australian owned, engineering, product development and systems integration company. Capabilities include: specialised vehicles and trailers; advanced design and engineering; FP-ECM / C4ISR and EW Integration. Since 2009, IDES has delivered over 1600 bespoke system solutions. IDES provides concept generation, detailed design, prototype development, evaluation, integration, manufacturing and through-life-support.

Ammuniton Proofing Trailer

IDES designs, delivers, commissions, and provides in-service support for Mobile Proof Gun Mounts (MPGM) in use with the Australian Defence Force for the proof-firing and testing of the Royal Australian Navy's 5"/54 munitions. The MPGM system includes: • Integration of Naval 5" (127mm) 54 calibre Gun (supplied as GFE). • High-strength mobility platform. • Weather proof and powered round lifting system. • High recoil capable ground engagement system. • Compliance with road transport regulations.

Availability Designed and manufactured to order.

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 sort after 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 harnessed the CSIRO's technological break-through and packaged it 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.

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.

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 are either 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. All structures can also be tested to simulated depths up to 5,000 m using Matrix's hyperbaric testing chambers. When combined with advanced fibre reinforced laminates, the resulting composites are the lightest subsea systems in the marketplace.

Availability <3 months.

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.

Minecorp Australia

Engineering | Manufacturing | Vehicles & Accessories

Company Brief

Minecorp supports missions through 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.

Quality design, manufacturing and delivery

With over 12 years experience and proven business experience in harsh, demanding environments Minecorp Australia is the leader in delivering fit for purpose fleet and manufacturing solutions. In-house industrial design and engineering team, taking products from concept to manufacture and delivery 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 70+ Employees-In one location servicing national and International client base National technical support-providing technical aftersales support.

Availability 3 - 6 months.

Neamco

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

Company Brief

NEAMCO specialises in best-practice manufacture, overhaul and repair of systems and components for a wide range of industries and engineering projects utilising both computer-controlled CNC machining centres and conventional machines. NEAMCO operates from an industry-leading engineering and manufacturing facility in Queensland and offer over 1 acre of advanced manufacturing capability under roof. NEAMCO provides support and services to the defence, mining, oil and gas, transport, power generation and agricultural industries across northern Australia, PNG and Pacific Island nations.

Manufacturing capabilities

NEAMCO specialises in the manufacture, overhaul and repair of components including engine reconditioning for a wide range of industries and engineering requirements. With its comprehensive workshops, NEAMCO provides industrial service solutions in areas such as: Fixed plant machinery Mobile plant and machinery Mining equipment and components Engine repairs Dynamometer services Power generation equipment Componentry Heavy vehicle components Light vehicle components Engine and driveline systems Propeller repairs and re-pitching.

Availability <3 months.

New Touch Industries

Manufacturing

Company Brief

New Touch Industries' (NTi) laser cutting services include 2D laser cutting, rotary laser cutting & 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 & assembly. NTi accepts work within Australia from overseas clients.

Welding and Fabrication

With the technologies available, the need for highly skilled tradesmen is still critical to the completion of quality custom components. 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, and from concept to completion, can provide customers with a total project management solution.

Availability Designed and manufactured to order.

NORSELD

Engineering | Manufacturing | Optical | Space Capabilities

Company Brief

Norseld has a world leading specialty coating capability referred to as Diamond Like Carbon (DLC). The specialised capability can be applied across all four Defence domains. The Norseld process is unique in its superior quality and speed. Norseld is currently in discussion with a number of Defence Primes to undertake specialised coatings, and is an ISO900l:2008 holder and lSOl3485:2003 holder (medical devices).

CoolDiamond DLC®

Norseld has developed a new Diamond-Like Carbon (DLC) coating technology called CoolDiamond DLC®. The process provides the ability to coat at room temperature compared to other Diamond-Like Carbon coaters who cannot, giving Norseld a world leading capability. This means it is possible to coat composite material that would normally degrade under extreme heat. DLC is one of the hardest known materials and has been in development for over 30 years. CoolDiamond DLC® has properties that exceed current conventional DLC and these include superior hardness, extreme smoothness and the ability to coat in a room temperature environment.

| Availability | Designed and manufactured to order. |

Nupress Group

Design | Engineering | Manufacturing | Space Capabilities | Weapons & Ammunition

Company Brief

Nupress, Est 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 & logistics. Our services include;> Precision Machining > Metrology > Assembly > Fabrication > Supply Chain Management > Project Management, Our AS9100 & ISO9001 accredited Quality Management System, world class facility & "First Class" approach make us an industry leader in manufacturing.

Precision machined Parts and assemblies

• High Tolerance Precision Machining • 5 axis simultaneous machining Trunnion Style & Millturn • Done in One Multitasking • Milling - o High Torque Horizontal Machining o High Speed Horizontal Machining o Vertical Machining • Turning: o Automated processes • Co-ordinate measuring capabilities • Contour measuring & thread verification • High speed wire cutting - 600mm x 400mm x 310mm; o AS9100 Accreditation & ISO9001 o AS9102 FAIR - First Article Inspection Reporting o Production Failure Mode & Effects Analysis (PFMEA) Measurement Systems Analysis (MSA), Statistical Process Control (SPC) o Controlled environment machining • NIST 800-171 Compliant, 24/7 ITAR Facility.

| Availability | 3 - 6 months. |

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 Advanced Machining are a 100% Australian-owned and operated company and are ITAR approved. QPE Advanced Machining 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.

Smart Fabrication

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

Company Brief

Smart Fabrication (SmartFab) specialises in the engineering, fabrication, and assembly of complex structures for the commercial and defence sectors. As a supplier the company achieves quality outcomes and delivers smart solutions to client's needs and challenges. An outstanding track record of partnering with clients to deliver results in all facets of engineering; from quoting, designing to fabricating and painting, SmartFab take great pride in their work and are competitively priced with a committment to delivering impressive results for clients every time. SmartFab is committed to the development of sovereign capabilities, which includes the formation of several 'Teaming Agreements'.

Welding and Fabrication

SmartFab has highly skilled tradespeople with experience and strong capabilities in project management, complex fabrication, pipe fabrication, pressure vessel fabrication, heavy structural, equipment manufacturing and assembly. This expertise combined with supply chain and in-house capability ensures customers are provided with a safe, risk free and quality solution.

Availability 3 - 6 months.

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. Utilising a hub of SME's within the local regional area, 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 - 6 months.

SPEE3D

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

Company Brief

SPEE3D is a cutting-edge metal additive manufacturing technology supplier for Australian Defence. SPEE3D enables Defence to build metal parts in minutes or hours on the front line with the WarpSPEE3D Tactical and XSPEE3D metal 3D printers. The 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 in which 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.

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 and IP68 Enclosures.Full 'Plug and Play' Systems.- 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.

Stärke-AMG

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

Company Brief

100 % Australian-owned and operated, Stärke-AMG is a group of synergistic, vertically integrated, advanced manufacturing companies with many years of experience in project management, collaborating with Defence Primes and their suppliers. Industrial and Product Design to Manufacture, Prototyping, 3D Machining Metal and Plastic, Tooling and Moulding, Fabrication, Precision Machining, and Assembly of Complex Systems.ISO9001:2015.AS9100D.

End-to-end Advanced Manufacturing Services

• Ultra-low tolerance, small to very large part (8-meter) CNC machining equipment & CMM (± 3 micron) • Composite and alloy material 3D Printing & processing including carbon fibre, titanium & Inconel • Welding (including fine laser welding) to quality specification AS1554.1 SP for complex fabrication assemblies across a range of materials incl. exotic metals • Product assembly • Tool design and manufacturing of injection moulds, die-casting, and hot and cold stamping tools, including multi-cavity, low and high-volume production tools • Product R&D, CAD/CAM, prototyping, testing and project management, through-to-volume production, through-life service, and support for long life-cycle projects.

Availability   <3 months.

Titomic

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

Company Brief

As your advanced manufacturing partner, Titomic enables you to create lighter, stronger metal parts and unlock new material possibilities. We integrate our breakthrough cold spray technology and turnkey manufacturing systems into your 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.

Availability Designed and manufactured to order.

Materials Research & Development

Titomic provides extensive R&D services to assist in delivering new capabilities for metals and advanced materials applications. Titomic works with a range of manufacturers to introduce novel and more effective manufacturing methods to unlock new material possibilities. Titomic is currently introducing new capabilities across titanium ballistics protection, lightweight radiation shielding, lightweight composite weapons barrels, pressure vessels, and more. Titomic can help undertake your research and development needs to help you become more competitive, profitable, and productive.

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.
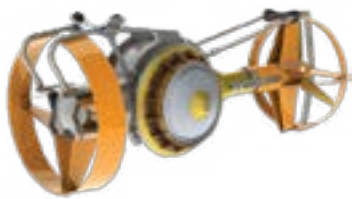
Availability <3 months.

Precision Manufacturing and Technology Development

Toolcraft provides manufacturing and development services in the following areas: • CNC machining and grinding. • CNC folding and pressing. • EDM cutting and eroding. • CMM metrology. • Fabrication. • Assembly. • Integration. • 3D printing. Core expertise enabling service delivery include: • Mechanical design and engineering. • Turnkey product development. • Project management. • Rapid prototyping. • Painting and plating. • Packaging and logistics. Toolcraft is an AS9100D Approved Supplier for many Defence primes, including BAE Systems, Raytheon, Lockheed Martin, Thales, Boeing and Rheinmetall. Our manufacturing capabilities extend from bespoke parts to production assemblies.

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.

Versalux

Manufacturing

Company Brief

Versalux, established 1979, is a service-oriented organisation that engineers, develops, manufactures 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.

Lighting design

Versalux offer multi-faceted design support from the provision of basic photometric information to complex and detailed calculations, 3D renders, visualisations and walk-throughs.

Availability   Designed and manufactured to order.

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 growing general engineering jobbing facility set on 3 acres of lay down area. 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, mining, earthmoving and marine sectors for over 12 years. Wilkinson Engineering employ 15 fulltime employees, made up of local tradesman, apprentices, Indigenous personnel, skilled administration and graduate engineers.

Production & remanufacture of precision mechanical components

Wilkinson Engineering has an advanced machine shop specialising in: • Precision manual and CNC machining • Production of precision mechanical components from ferrous, nonferrous and composite materials • Manufacture and re-manufacture of mechanical components • Thermal Arc sprayed coatings • Boilermaking and fabrication with welding capabilities to AS1554.1 SP • Trouble shooting of mechanical industrial assemblies • Innovative, results driven engineering solutions.

Availability <3 months.

Section Four

4. Testing & Sustainment

APV
Asia Pacific Aircraft Storage
Austest Laboratories
Ballistic & Mechanical Testing
Birdon
Depth Defence Logistics
Dingo Defence
ECLIPS
Elphinstone
Holmwood Highgate
Hylec Controls
KBR
MEMKO
Mercury
Nova Systems
Pelican-Trimcast Products
PROFLUID
Shorelands Group
Storemasta
Supashock
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

APV

Engineering | Field Equipment | Manufacturing | Personal Protection | Research & Development | Test Equipment | Through-Life Support | Vehicles & Accessories

Company Brief

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

APVFutureEdge Test and Evaluation Services

APV FutureEdge's mission is to place in the hands of the Australian and North American Defence industry a multi-domain, advanced Research, Simulation, Virtual and Physical T&E capability. By bringing the capabilities of APV FutureEdge and the international reach, APV can support Defence, Primes and Industry to support research, capability development, acquisition programs and through-life support. APV FutureEdge will continue to bring together research and test laboratories to build an international network of collaborative laboratories to support Defence's Research and T&E requirements.

Availability <3 months.

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.

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. Austest proudly support Defence industry suppliers with testing capabilities including: Mechanical - vibration, shock, impact, inclination, fatigue, acceleration Climatic - temperature, humidity, UV and solar, salt-fog, ingress protection Noise - airborne, structure-borne Pressure - high altitude, air, water, cyclic, dynamic EMC/EMI - radiated, conducted, susceptibility, emissions, ESD, transient burst Electrical - safety testing and certificatio

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 the largest range of testing services within Australia, with an extensive list of accreditations and approvals.

Availability 3 - 6 months.

Ballistic & Mechanical Testing

Engineering | Research & Development | Test Equipment | Through-Life Support | Vehicles & Accessories | Weapons & Ammunition

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 a Defence Recognised Supplier.
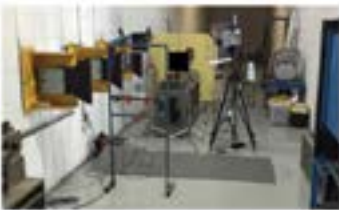
Independent Ballistic Testing of Armour

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. Designed and manufactured to order.

Birdon

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

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. Birdon is currently in full rate production to build up to 491 M30 variants for the US Army, and other military forces around the world. These boats feature Birdon's NAMJet waterjet propulsion for unparalleled thrust and speed, with optional armour systems and weapons mounts.

Availability 6+ months.

Depth Defence Logistics

Logistics

Company Brief

Depth Defence Logistics is a 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 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.

Dingo Defence

Logistics | Through-Life Support | Vehicles & Accessories

Company Brief

DINGO is a world leader in providing Predictive Maintenance solutions to asset-intensive industries, currently managing the health of billions of dollars worth of heavy equipment. Dingo increases heavy vehicle availability, extends equipment life and reduces operating costs through its next generation asset health program. In Defence terms DINGO can provide solutions for mission readiness and best possible chance for mission success.

Condition based maintenance software and inspection tools

Dingo provides world leading condition-based maintenance software, plus inspection applications and tools.

Availability <3 months.

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 specialise 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)

JMILS is a modular, scalable and intermodal logistics system that enables packaging and supply chain optimisation. 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 of a wide range of goods/equipment using a standard 20 ft ISO container, JMILS allows for efficient use of container space and safe loading/unloading using PLS equipped trucks without the need for additional MHE. Digitalisation adds prognostics sensors and tracking systems to loads, enabling point-of-effect logistics support within an end-to-end supply chain.

Availability 6+ months.

Elphinstone

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 our history of quality, reliability and dependability in mining, we partner with defence OEMs in large scale machine fabrication and assembly.

Heavy Vehicle Manufacture

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

Availability Designed and manufactured to order.

Holmwood Highgate

Design | Field Equipment | Humanitarian | Logistics | Manufacturing | Vehicles & Accessories

Company Brief

Holmwood Highgate is a world leader in the design and manufacture of bulk liquid storage and transportation systems for fuel and water. Holmwood Highgate manufacture deployable, ruggedised bulk tanker modules built within an ISO container footprint. Applications include forward deployment, critical missions, peacekeeping, disaster relief and humanitarian purposes. As one of Australia's leading manufacturers of road tankers and aviation refuelling, with a 100% in-house capability - design, validation, manufacture and sustainment - Holmwood Highgate are committed to improving performance-based logistics and service acquisitions, reducing total cost of ownership, and focusing on innovative support and sustainment.

Deployable Bulk Liquid Fuel and Water Modules

Holmwood Highgate has designed and manufactured a highly deployable Tank Container Module range. There are four variations: two multi-fuel and two water solutions; a storage tank plus pump or larger capacity tank only. Each are a versatile, deployable, module system for the transport, storage and discharge of both bulk fuel and water within a joint theatre environment. The Module range fits within the internationally recognised 20-foot ISO shipping container footprint, is transportable by both commercial and military platforms and is able to interface with Coalition ABCA Bulk Liquid Equipment. Multiple tank only versions can be linked to a single tank and pump base station creating an even larger storage facility. The pump output is between 40 litres and 1000 litres a minute.

Availability 3 - 6 months.

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.

KBR

Engineering | ICT & Cyber | Test Equipment | Through-Life Support | Training &
Education

Company Brief

KBR delivers science, technology and engineering solutions to governments and companies around the world. KBR
solves its clients' most complex issues by combining mission understanding, technical expertise and operational focus
to deliver, innovative, workable and cost-effective solutions. With a full portfolio of services, proprietary technologies and
expertise, KBR handles projects and missions throughout their lifecycle, from planning and design to sustainability and
maintenance.

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. Engineering test plans and procedures; support to test
activities; post test data analysis and reporting based on customers platform
operations and environment

Availability <3 months.

MEMKO

Autonomous Systems | Design | Electronic Warfare | Engineering |
Manufacturing | 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. Designed and built in Australia, MEACAT is especially suited to realistic end-to-end RF weapons system testing. Provides realistic all-weather active radar target, MEACAT is able to perform across a high speed and altitude range for a very low total sunk cost. MEACAT offers multiple mode options for radar/seeker emulator and electronic attack/countermeasures techniques. Its capability is easily migrated to any aerial platform and is designed to withstand tough speed, temperature, shock and vibration environments.

Availability 6+ months.

Mercury

ICT & Cyber | Research & Development | Training & Education

Company Brief

Mercury are a sovereign provider of information security services, advice and consulting in Australia. Established in 2015, Mercury has conducted over 700 engagements. Additionally, Mercury provide 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 traditional cybersecurity mitigation activities, individually or in a suite. Delivered in a consulting approach, 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.

Nova Systems

Engineering | ICT & Cyber | Research & Development | Test Equipment |
Through-Life Support
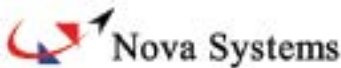
Company Brief

Nova Systems a 100% Australian owned and controlled global engineering professional service provider, enabling technology to deliver independent, holistic solutions in support of complex and critical capabilities in Defence & Aerospace, Government and Critical Infrastructure industries. Nova Systems' foundation capabilities of Test and Evaluation, Certification and Systems Assurance, Systems Engineering and Capability Requirements Definition, underpinned by proprietary tools and approaches, offer end to end Capability Acquisition and Capability Assurance services for air, sea, land, space and joint projects and programs, with offices across Australia, New Zealand, South East Asia, UK and Europe.

Test & Evaluation, Complex Systems Engineering Services

Nova Systems has 20 years experience delivering professional services in complex technology domains with services focused on Capability Acquisition and Capability Assurance and include: Needs, Requirements and Operational Concept Definition Test and Evaluation throughout the Capability Lifecycle Systems Engineering Certification and Systems Assurance Project Management Operational and System Safety Logistics and Asset Management Information, Cyber, and Geospatial and Situational Awareness. Nova Systems also has a world class Training Capability, providing unique learning opportunities in our core capabilities.

Availability <3 months.

Pelican-Trimcast Products

Field Equipment | Logistics | Manufacturing | Through-Life Support

Company Brief

With over 40 years experience in the design and manufacture of engineered mil-spec protective case solutions, Pelican-Trimcast produces a range of bespoke solutions to house and protect specialised high-tech equipment for the military in Australia and other NATO-aligned military customers around the world, including weapons, 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.

Engineered Protective Packaging Solutions

Pelican-Trimcast is an Australian designer and manufacturer of standard and bespoke high-performance engineered packaging solutions to provide maximum protection of the inner payload throughout any deployment or storage cycle, including shock-mitigating and vibration-attenuating internal systems to fit within the weatherproof protective outer cases, with the ability to produce single unique case solutions, LRIP to high volume FRP. Pelican-Trimcast are experts in DEFAUST1000c packaging design, applicable for all domains and all modes of transport.

Availability <3 months. Designed and manufactured to order.

PROFLUID

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

Company Brief

Profluid is a privately owned and operated valves specialist business. Profluid reach customers in the whole of 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 deliver high end customised flow solutions to the Air Force and Navy onshore establishments as well as ships and submarines. Our West 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.

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.

Storemasta

Design | Engineering | Field Equipment | Logistics | Manufacturing

STOREMASTA®

Company Brief

STOREMASTA is an Australian family owned and operated company founded in 1991, providing innovative safe storage solutions for a wide range of applications in many industries within Australia, New Zealand and South-East Asia. With an established and stable history, STOREMASTA is now servicing every industry sector and Government department within Australia and setting a standard in customer satisfaction by innovation and flexibility in design, coupled with high quality manufacturing and an efficient distribution service.

Dangerous Goods Storage Cabinets

STOREMASTA manufactures a range of indoor and outdoor chemical storage cabinets for storing flammable liquids, flammable solids, spontaneously combustible substances, dangerous when wet substances, oxidising agent, organic peroxides, toxic substances, corrosive substances and pesticides. Indoor cabinets sizes ranges from 15L to 850L and outdoor from 80L to 32000L. All cabinets are manufactured in Australian manufacturing units and in full conformance to the relevant Australian Standard.

Availability <3 months.

Supashock

Autonomous Systems | Engineering | Logistics | Manufacturing | Test Equipment | Vehicles & Accessories

SUPASHOCK ADVANCED TECHNOLOGIES

Company Brief

Supashock is a world-class producer of advanced mobility and autonomous systems that control, monitor and improve mobility of Defence, autonomous, commercial, automotive and other transport vehicles. Supashock has built a highly skilled team to design, manufacture and test their systems for global mobility applications. Supashock products share a number of characteristics, providing exceptional performance within a unique tailored solution utilising its advanced simulation, design, analysis and validation techniques.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 is a pioneering technical solution that enables automated loading and unloading of containers, modules and flat racks onto military trucks. The ALHS is operated safely and efficiently from the safe confines of a fully protected truck cabin in a combat environment which is the fastest and safest load handling system for logistics trucks. Supashock's innovative design improves flexibility for varying loads and a higher payload margin. The ALHS has several integral mechanical degrees of freedom that combine with a computer-assisted user interface, making the loading and unloading of a container easy in all conditions.

Availability 3 - 6 months.

TAE Aerospace

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

Company Brief

TAE Aerospace is an Australian-owned aerospace company providing a broad range of Defence/Commercial products and services. As a leading provider of 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.

Tufwrap Australia

Design | Logistics | Manufacturing | Through-Life Support

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. The capability to develop, manufacture and innovate leads Tufwrap to achieving efficient results, cost effectively. Tufwrap is growing through south-east Asia and have a network of global partners.

Containment, Logistics and Preservation Systems

Tufwrap supplies services, supply and training in: Onsite containment services, Containment supplies, accessories and tools, Tufwrap manufactured containment sheeting 190mm - 900mm UV plus FR, Cover/Bags - converted polymeric systems - polymer fabrication. On-site Services include: Non-volatile preservation systems, Preservation bags, films, foams and fabrics, Anti-corrosion and ESD thermos forming and thermos plastic products and systems, Humidity control products, Barrier systems, Rust removal and pre-preservation asset rejuvenation, ESD systems, Project logistic services, Environmental monitoring and online digital tracking. Additional Services: Digital printing and graphics, Asset tracking and monitoring.

Availability <3 months.

Vipac Engineers & Scientists

Engineering | ICT & Cyber | Research & Development | Test Equipment

Company Brief

Vipac Engineers & Scientists provides a broad range of qualification testing services to the Air, Land, and Sea sectors of the Defence industry. Core capabilities include: Environmental Testing - vibration, thermal, shock, ingress protection; Electrical Safety Testing - cables, components; Noise - occupational, environmental, habitability, sound insulation, speech privacy; Vibration - structural, machine, component; Thermal and Fluid Dynamics; plus Design and Systems Engineering.

Availability <3 months.

Environmental Testing & Qualification Services

Vipac has offered environmental and electrical safety qualification testing of products and components for the past 50 years. Vipac clients include the Australian Defence Force and global Defence primes. Vipac NATA-accredited Test Laboratories provide state-of-the-art climatic, mechanical and electrical testing services to Australian, Military and International standards. Vipac engineers provide expert knowledge in the fields of shock and vibration, structural integrity, structural dynamics, modelling, simulation, weaponry integration, radiated noise, speech privacy, noise mitigation, airflow, fatigue and failure analysis.

Section Four

5. Field Support

Armor Australia

Australian Defence Apparel

Australian Patrol Vehicles

BAC Systems

Bale Defence Engineering Systems

Bisalloy Steels

Blueye Eyewear

CGear Australia

Coolon

Craig International Ballistics

Delta Hydraulics

DomeShelter Australia

Envirofluid

Evolution Gear

Global Defence Solutions

GME

Green Eco Technologies

Heatlie Engineering

Henchman

Ideation Product Solutions

Lightning Protection International (LPI)

Lunar Lighting

Nobles

Norcoast Refrigeration Company

Onetide

Pedders Shock Absorber Service

Point Trading Group

REDARC Defence & Space

Ruslyn Holdings

SPINESUIT

Stealth Electric Bikes

Tectonica Australia

Trakka Systems

Universal Site Monitoring

Varley

XTEK

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

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.

Australian Defence Apparel

Field Equipment | Medical | Personal Protection

Company Brief

ADA (Australian Defence Apparel) is a leading 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 pack sizes also reduce 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.

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 and 200 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 by APV for use in environments where high mobility and extended lines of communication are the key capability requirements. The systems are designed around the Toyota 70 Series family of vehicles and offer a significant Gross Vehicle Mass increase from the factory option (Factory GVM = 3300kg, APV GVM = 600kg). The vehicles are capable of multi-role applications and can be modified 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.

BAC Systems

ngineering | 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.

Bale Defence Engineering Systems

Engineering | Field Equipment | 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 enhanced capability and operator safety over similar platforms within its class. The vehicle is designed as a reconfigurable platform capable of securely carrying up to three crew, their individual weapons and a range of equipment to suit mission profile. The vehicle includes two large adaptable payload areas capable of safely and securely transporting weapons and explosive ordnance as additional payload. 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.

Bisalloy Steels

Field Equipment | Manufacturing | Vehicles & Accessories

Company Brief

Bisalloy is Australia's quenched and tempered steel manufacturer of impact-resistant armour and protection-grade steels, supplying world-class steel plates to Australia's defence industry. Bisalloy continues to work with leaders in science and technology to deliver innovative and bespoke product solutions. Bisalloy partners benefit from a local, reliable supply chain, and 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. This makes it eminently suited to government and civilian applications including land and sea patrol vehicles, cash-in-transit vehicles, safes and strongboxes, security booths, safe rooms and many more protective applications.

Availability <3 months.

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, specific purpose military and tactical eye protection system designed to protect against blast fragmentation and blunt force high impacts. featuring Interchangeable lens system, adjustable nose piece for individual facial fit and comfort, helmet and hearing protection and Prescription RX compatible.

Availability   <3 months.

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 The extreme lightweight helicopter landing zone eradicates '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.

Coolon

Communications | Design | Engineering | Manufacturing | Research & Development | Ship Building | Vehicles & Accessories

Company Brief

Coolon is an Australian electronics designer and manufacturer, specialising in premium high-performance heavy-duty lighting, control systems and wireless signal transfer solutions for Defence and mining sectors. Applications include specialist and emergency lighting for armoured vehicles, submarines, naval ships, specialist testing, as well as control equipment and infrastructure outdoor flood and task lighting.

Reliable lighting solutions

Designed specifically for heavy-duty applications and extreme environments, Coolon luminaires provide reliable performance under the harshest conditions. The wide range of fittings covers a variety of applications with each purpose-built luminaire engineered to excel in that particular function. Coolon LED lighting products are exclusively developed and manufactured in Australia to meet local and international standards. Every single luminaire undergoes rigorous testing during the development, manufacturing, and pre-departure phases, ensuring premium quality and reliable performance for years at a time.

Availability <3 months.

Craig International Ballistics

Design | Field Equipment | Manufacturing | Personal Protection | Research & Development | Training & Education | 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 Panels

CIB produce personal ballistic protection products that are specifically designed to offer protection from a number of different threats from fragmentation to armour piercing threats when used 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 allowing soldiers to train with products with the same fit and form at a lower cost whilst 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.

Delta Hydraulics

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

Company Brief

Delta Hydraulics is a world leading 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. Established in 1975, Delta Hydraulics has a long history of product and manufacturing innovation and has supplied hydraulic cylinders and related products to over 2,000 customers in more than 30 countries, across 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.

DomeShelter Australia

Field Equipment | Humanitarian | Manufacturing

Company Brief

DomeShelter Australia is an established Australian owned and operated company, dedicated to developing, designing, and manufacturing innovative Fabric Shelter Solutions. Over the last 25 years, 7000+ DomeShelter™ Kits have been delivered globally, protecting people and assets from the harmful effects of the elements. Domeshelter™ Fabric Structures offer trusted permanent and temporary infrastructure to the defence, aerospace, mining and industrial sectors.

DomeShelter™ Kits

Offering fit-for-purpose permanent and temporary infrastructure, DomeShelter™ Fabric Structures protect people and assets from the harmful effects of the elements; quickly, simply, and effectively. Their lightweight and readily constructed nature make them ideal for deployable use for facilities such as hangars, warehouses, workshops, manufacturing, shore accommodation, Command Posts and Weapon Systems. All DomeShelter™ Kits use can be cyclone rated, are certified by local authorities, and use rugged, proven industrial grade fabrics, including the flagship Armourtex® 400 Fire Retardant (FR). They are specifically designed to be easily and quickly installed.

Availability Designed and manufactured to order.

Envirofluid

Ship Building | Through-Life Support

Company Brief

Envirofluid NCAGE Z02N8, 2022 Winners of the Defence Industry Award – Manufacturer of the Year and The Victorian Regional Exporter of the Year, 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. Problematic chemicals can erode surfaces, damage components, release harmful toxins, and result in expensive repairs and health concerns

WorkSafe, Environmentally Friendly Maintenance Chemicals

Australian Made specialty industrial chemistries for cleaning & maintenance. The Triple7 range of non-toxic worksafe descalers, degreasers and odour control chemistries protect your personnel and your assets by extending equipment life, decreasing whole life costs and providing healthier working conditions.

Availability <3 months.

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 packaging transportable storage solution

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

Availability Designed and manufactured to order.

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.

EASi - Expandable, Accessible, Secure, Intermodal

EASi containers have a range of military and humanitarian applications, including clinics, hospitals, accommodation, catering, sanitation, stores and power. EASi can be accessed by five sides and linked to create larger workspaces. GDS has designed EASi with flexibility in mind. The EASi core frame is certified, not the actual container, allowing the user to modify and reconfigure container to suit requirements. Walls, floor or roof can be changed without the need for additional certification. This reduces cost associated with certification variants, logistics and spares. The EASi is transportable via road, rail, air or sea.

Availability 6+ months.

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.

Green Eco Technologies

Field Equipment | Manufacturing | Through-Life Support

Company Brief

Green Eco Technologies developed its patented technology to reduce food waste by up to 80% in size and weight with the ease of pressing a single button. The process retains almost all its original calorific and nutritional values for a variety of uses in different industries. Green Eco Technologies is an multi-award winning innovation company intent on putting Australian innovation on the sustainability map by helping organisations address their food waste problems.

Availability Designed and manufactured to order.

WasteMaster System

The WasteMaster system repurposes food waste around the globe. Unlike, alternative products that require use of high-heat (Dehydrators), precious water or additional bacteria. The Australian owned onsite solution that uses its patented reactive oxygen technology to vaporise the cellular structure of the organic wastes resulting in the release of moisture and acceleration of the decomposition of the waste with a single button operation. The substrate is a dry, bacteria-free and storable by-product that retains most of its original calorific and nutrient values while reducing its overall volume by up to 80% creating valuable pathways of reuse from biofuel, compost enhancement or animal feed.

Heatlie Engineering

Engineering | Field Equipment | Manufacturing

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 and 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.

Henchman

Design | Field Equipment | Logistics | Manufacturing | Test Equipment | Vehicles & Accessories

Company Brief

Henchman is a single-source supplier of premium brand tools, storage solutions and toolkits with custom-cut foam, with superb quality finish and design. 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 the customer's 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.

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.

Lightning Protection International

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

Company Brief

LPI is an Australian-owned designer, manufacturer and global distributor of direct strike, surge and earthing and bonding products. LPI manufacture and supply lightning protection products and solutions in over 85 of the most lightning prone countries for 20+ years. LPI's objective is to offer continuous and uninterrupted operation and personnel safety for the user. LPI provide professional consultancy services, including design, testing and risk assessments.

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.

Lunar Lighting

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 - 1,104,000 Lumens

• 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.

Nobles

Design | Engineering | 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

Nobles develop an innovative series of recovery and lifting blocks for heavy to medium vehicle recovery, supplied into the Australian Defence Force's Land 121 project during 2018-2019. Using specialist in-house lifting and rigging expertise in metallurgy, mechanical engineering design and product testing to meet stringent ADF specifications and Australian Standards, Nobles have custom-engineered a new series of super-strong, light-weight and easy to assemble and disassemble lifting and recovery blocks from scratch. Due to the strong performance of these blocks in the field, Nobles is now working with Defence primes on supplying similar blocks into additional domestic and export defence projects.

Availability <3 months.

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 23,000 units in the field. Many of these units are being utilised by Defence, government agencies, mining corporations and health centres overseas in remote locations.

Trailblaza Portable 12/24 volt DC fridge-freezer

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. There are over 23,000 units in the field in Australia and overseas. Trailblaza Units are available from 20 litres to 200 litres with 60 models available. All units can be customised to provide specific refrigeration solutions for individual specific applications Norcoast's in-house quality control has been a key factor to ensure every Trailblaza meets our high standard for over 39 years.

Availability <3 months.

Onetide

Design | Engineering | Field Equipment | Humanitarian | 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 novel, solutions to harsh and remote environments to the highest standards, Onetide's proprietary innovations in power, water, logistics and essential infrastructure enable rapidly deployable remote location solutions for Defence, Space, Disaster Relief, Resources, and Maritime sectors. Onetide delivers proven efficiencies in time, cost, resources and safety.

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. 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.

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 brakes for Military grade usage

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

Availability <3 months.

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.

REDARC Defence & Space

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

Company Brief

REDARC Group applies technology to support specific defence requirements and the advanced manufacturing technology enables the team to customise products to suit any specific requirements. With REDARC, existing assets can deliver greater performance, safety and 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.

Ruslyn Holdings

Field Equipment | Manufacturing | Weapons & Ammunition

Company Brief

Ruslyn Holdings manufacturers and exports worldwide, hand held lightweight and rugged reeling devices used by defence, homeland security and industry. These reels are the Cordwheel, Pack Reel and Hook & Line Reel - currently used in Australia, Europe, North America, South Africa, Middle East and Asia, and supplied to NATO.

Ruslyn Hook & Line Reel

The Ruslyn Hook & Line Reel is a lightweight, rugged ergonomic reel used by IED and CIED personnel. It is also used by homeland security and industry. The Hook & Line Reel holds up to 80m of Dyneema cord as well as small diameter comms and data cable. It has a built in adjustable clutch to prevent over run as well as being a brake stop. Currently used world wide. Part Number AUS004754RHLR-11 (colour black) NATO Codified (NSN) 8130/661641146

Availability <3 months.

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. Optimal spinal alignment improves load on spinal joints, reducing injury risk and improving performance. Features include: - Compression technology to increase blood flow to improve muscle performance and endurance, helping to reduce fatigue and injury rates. - Spine support muscle mapping is specifically designed to improve optimal spinal curves. - High wicking rates that help keep soldiers dry and cool. - Spinesuit is available in a one piece or two piece garment.

Availability <3 months.

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, they 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 the world's most powerful and silent hybrid- electric power train with a reinforced, aircraft grade chassis to produce a peerless riding experience. This pedal platform can be used to assist its brushless DC hub motor in situations where high torque and fast acceleration are required, or as a range extender for long distance missions. Capable of over 80 kmph with a range of up to 80 kilometres, there are an additional 3 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.

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.

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, a global first in optical innovation and advancement. 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.

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: 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. USM's advanced safety technology safeguards personnel, monitoring multiple risks simultaneously, irrespective of location, industry, and conditions. It provides continuous live, critical operational data, with early warning/alerts, trend, heat mapping monitoring and instant communications for optimal safety of personnel. 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 / gas sensing • Location sensing anywhere • Slips, trips and falls / man down events • Ambient air temperature • Ambient noise level • Speed / course over ground • Biometric condition allowing fitness for tasks monitoring • Additional BLE paired site-specific sensors, hydrogen. The device also has real-time communication through voice call and text messaging.

Availability 6+ months.

Varley

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

Company Brief

Varley specialises in the design, manufacture, integration and sustainment of systems across the Land, Air and Sea domains, including: • deployable shelters and infrastructure including integration of mission systems and support equipment; • vehicles and trailers for military, law enforcement, emergency, rescue, fire-fighting, communications and health capabilities; • aircraft maintenance docking systems and support and test equipment; • marine watercraft, gangways and access platforms.

Deployable Expandable Secure Facility

The 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, LED lighting, 415VAC 3 phase power input, 240/110 VAC power distribution and Type 1A security & electronic access controlled system for operation as a transportable SCIF.

Availability 3 - 6 months.

XTEK

Autonomous Systems | Field Equipment | Intelligence, Surveillance & Reconnaissance | Personal Protection | Robotics | Through-Life Support | Unmanned & Counter Unmanned Systems

Company Brief

XTEK'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. XTEK designs and manufactures body armour and helmets; and supplies, integrates, and supports a range of uncrewed systems for its customers.

HighCom Armour

HighCom is XTEK's global ballistic brand. As 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.

Medical
Humanitarian

Section Four

6. Humanitarian Aid & Disaster Relief
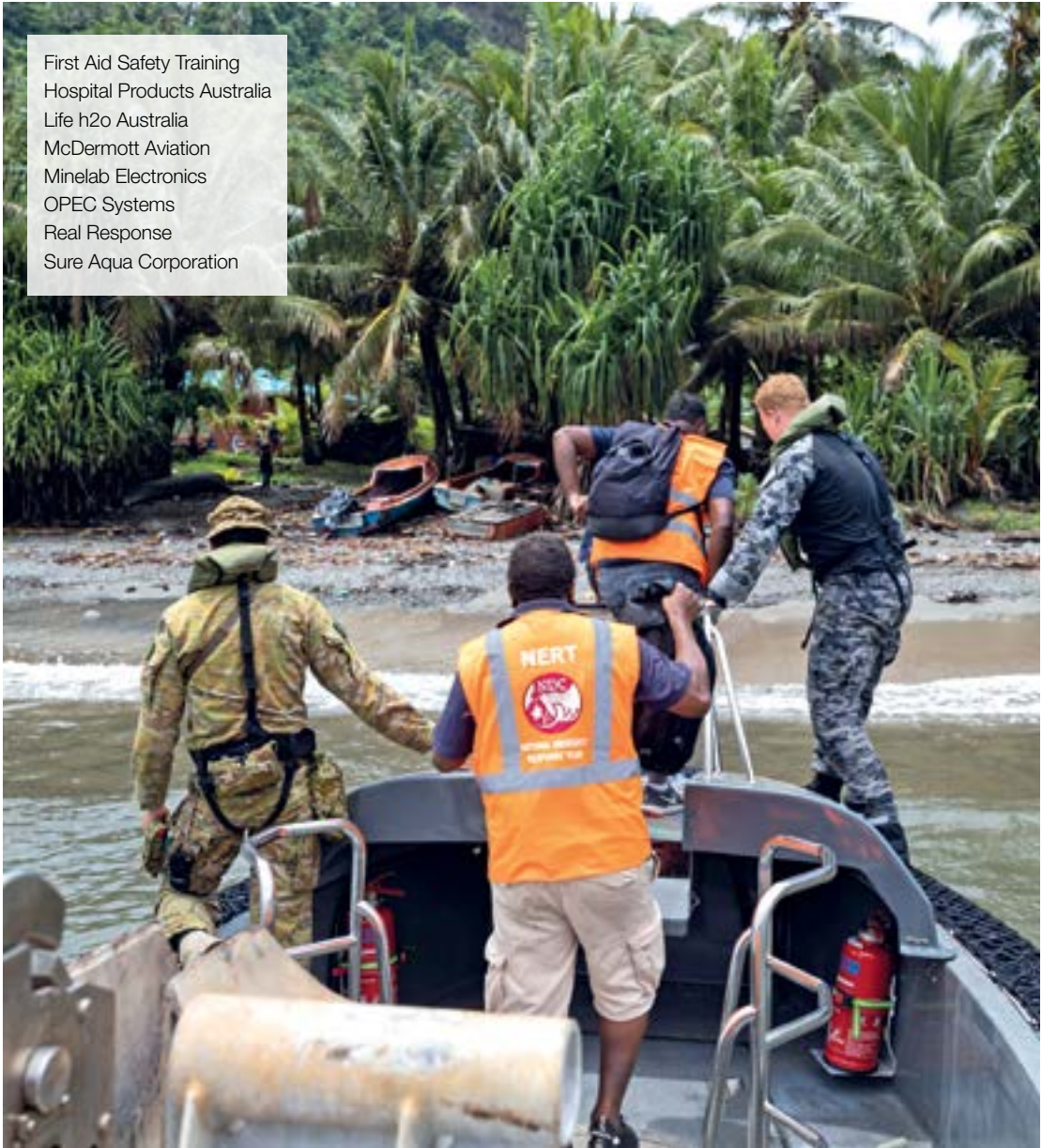
First Aid Safety Training
Hospital Products Australia
Life h2o Australia
McDermott Aviation
Minelab Electronics
OPEC Systems
Real Response
Sure Aqua Corporation

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

First Aid Safety Training

Field Equipment | Humanitarian | Medical

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 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.

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

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

Availability 3-6 months.

Life h2o Australia

Field Equipment | Humanitarian | Intelligence, Surveillance & Reconnaissance | Logistics | Medical

Company Brief

Life h2o is a 100% Australian owned company committed to providing cutting edge innovation and sovereign capability to the Australian Defence Force (ADF) and allies, humanitarian agencies and emergency services. The man-portable, off-grid, water purification and desalination systems (WPDS) have been designed in collaboration with the ADF to be military grade, energy efficient, easily deployable and fit-for-purpose in a variety of operational applications and challenging environments.

Life-Port WPDS

Life-Port portable offgrid water purification and desalination systems (WPDS) are supplied in a variety of configurations and outputs producing between 30 and 150 liters per hour of safe drinking water. Power options are 12 or 24 volt DC and 230 volt AC with solar, alternator or generator / grid power recharge capability.

Availability <3 months.

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, resupply missions, internal/external cargo. Personnel transport, Aeromedical Support flying.

Availability <3 months.

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 • an operational weight of 2.8 kg

Availability 3 - 6 months.

OPEC Systems

Design | Engineering | Field Equipment | Humanitarian | Manufacturing | Medical | Personal Protection | Research & Development | Space Capabilities | Through-Life Support | 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, environment, health and college.

PFAS Commercial Scale Foam Fractionation Site Treatment

OPEC Systems is on the Defence Infrastructure Panel (DIP), and the product and service delivery includes OPEC's PFAS treatment. The patented foam fractionation technology relies on the natural physio-chemistry of target PFAS compounds to collect on the bubble interface and concentrate on the surface as a harvestable foam. OPEC has developed a number of unique applications for the foam fractionation technology to allow it to be utilised to remove PFAS compounds from soil and water in both in-situ and ex-situ applications.

Availability <3 months.

Real Response

Artificial Intelligence | Medical | Training & Education

Company Brief

Real Response is a world-leading and award-winning company that has trained tens of thousands of people in Australia and around the world through some of the most engaging and realistic training available. The Real Response, Serious Games team leverages cutting-edge technology to deliver exceptional outcomes through both live and synthetic simulation. Real Response highly experienced team is passionate about fulfilling the mission of 'preparing people for the realities of emergency situations'.

Future Training Technologies for Military Medics

This Extended Reality (XR) System is designed for medics (doctors, nurses, medics, combat first aiders) to train and maintain their Tactical Combat Casualty Care (TCCC), critical care retrieval capabilities and decision-making. This system provides a platform to run and improve combat and routine medical training while decreasing the cost and burden at scale.

Availability <3 months.

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.

Section Four

7. Professional and Training Services

AeroPM
Air Affairs Australia
Atos (Australia)
Australian Aerospace Corporation
Boresight
Chiron Global Tech
Commercial Dive Academy
Cromarty
DEWC Services
Eggler Institute of Technology
ERGT Australia
FifthDomain
Geng
Geospatial Intelligence
Goal Group
Green Door
Illume Group
InfoSect
Ingenia
Logistic Engineering Services
Molico
Nexus Training Solutions
north Security
Ocean Software
Pacific Aerospace Consulting
Point River Networks
Protegas Australia
RAIDER Targetry
SECTARA
Seeing Machines
Sentient Computing
Simulation Air
SiNAB
Thomas Global Systems

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 erudite, 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 to the Department, delivering outcomes that delight our clients and strengthen this nation's security posture.

Defence Consulting (Air & Space)

AeroPM works with Defence and CASG Australia-wide 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.

Air Affairs Australia

Design | Engineering | Intelligence, Surveillance & Reconnaissance | Manufacturing | Training & Education | 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.

Atos (Australia)

Artificial Intelligence | Communications | Design | Electronic Warfare | ICT & Cyber | Training & Education

Company Brief

Atos is a global leader in digital transformation with 112,000 employees and annual revenue of c. € 11 billion. European number one in cybersecurity, cloud and high performance computing, the Group provides tailored end-to-end solutions for all industries in 71 countries. A pioneer in decarbonization services and products, Atos is committed to a secure and decarbonized digital for its clients. Atos is a SE (Societas Europaea) and listed on Euronext Paris.

Asset Managment Planning System(AMPS)

Atos Australia is the OEM of 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. 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. |

Australian Aerospace Corporation

Engineering | Logistics | Research & Development | 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. Australian Aerospace Corporation's vision is to consistently drive innovation, create efficiencies and deliver lasting value, whilst promoting excellence, fairness, honesty and equal opportunity in all endeavours. Australian Aerospace Corporation provides clients with commitment to world class service, a portfolio of sound solutions and understanding of business processes.

Technology Integration, Training & Lifecycle 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. Program elements include: • Technical studies and analysis • Capability requirement analysis • Capability analysis and development • Tactical information exchange system design • Training implementation plans • Training design and delivery • Unmanned systems capability and performance assessments • HMI analysis and assessment

| Availability | <3 months. |

Boresight

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

Company Brief

Boresight is a world leading provider of Counter-Drone Training and Red Teaming services through the use of highly capable and affordable Uncrewed Aerial Target (UAT) platforms. 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 the global counter drone market. Boresight has developed a purpose designed flight management software and range of Uncrewed Aerial Targets (UAT's), including our BQ400 Raider and BV220 Viking UAT's, to support the Counter-Drone Training requirements of the ADF. Boresight continues to support multiple services of the ADF with its Counter Drone Training/Red Teaming capabilities and UAT platforms. Boresight was also awarded a Defence Innovation Hub Grant in February 2022 to further develop its Swarming and C2 mimicking technologies.

Availability   <3 months.

Chiron Global Tech

Manufacturing | Personal Protection | Training & Education

Company Brief

Chiron Global Tech is an innovative, Australian technology company that has developed a unique, patent-pending training and operational body armour system for Defence. Chiron's highly protective and agile body armour platform increases lethality and survivability for defence personnel. Manufactured from advanced composite materials, Chiron's X-Series is the result of five years of R&D and testing, offering unparalleled levels of protection and agility in a lightweight and modular solution.

Chiron-X1

Chiron-X1 high impact CQC training suit takes combatives training to new levels of realism. Combining superior agility with unparalleled 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.

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 tutors with backgrounds in science, salvage and oil and gas, who provide a wealth of knowledge and expertise to students.

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.

Cromarty

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

Company Brief

Cromarty are a specialist Operational Technology provider engineering high quality electrical, automation and business systems solutions used in industrial manufacturing, process plants and utilities. Cromarty have implemented thousands of solutions for clients ranging from simple single sensor applications to highly complex integrated automation and reporting systems including DNV approved Ship Integrated Management Systems.

Operational Technology Services

Capabilities include: • SCADA/DCS/Industrial Control & Automation Systems • Electrical System Design/Manufacture/Installation • Robotics • OT Cyber Security (policy & engineering services) • PLC Programming • Hazardous Area Engineering • TUV Machine Safety • Renewal Energy Systems • Manufacturing Execution Systems • Electrical/Instrumentation Services • Fibre Optic/Radio/Telemetry/WAN Communications • Cloud Hosted Services • IT/OT Services • Motor Control (VSD, Soft Starters, DOL) • 24/7 Support.

Availability <3 months.

DEWC Services

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

Company Brief

DEWC Services, established in 2011, is one of Australia's principal above-the-line, domain agnostic ISREW and Cyber Warfare consultancies. Possessing a high-level of operational and technical expertise, DEWC's passion is founded in providing sovereign capability to Defence stakeholders on ISREW platforms (existing and emerging) that need to be adapted to meet the challenges of the contemporary battlefield. This helps increase mission success resulting in DEWC's main goal: bringing people home safely.

Availability Designed and manufactured to order.

DEWC Services Capabilities

DEWC provides multiple consultancy-based services within the ISREW and Cyber domain. Services include: • Capability Development: In-service capability extension/upgrades, platform development; • Research & Development: RF countermeasures analysis tools, modelling and simulation, machine learning, sensor networking; • Operational Support: Countermeasure D&V, EW library development, mission data analysis; • Acquisition & Implementation: Project Management and engineering. Projects include: • Multiple R&D Projects; • Software Support to Intelligence Situational Awareness; • AI Agile Core Platform; • Machine Driven EW; • Mission Data Modernisation; • RF&EO Countermeasure D&V; • Wedgetail AEW&C Mid-Life Upgrade.

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. We provide flexible and modular courses tailored to your required learning and development outcome.

Availability <3 months.

Education and training courses

EIT's specialist capability design, systems engineering, military technology and leadership professional education and training programs are designed to develop essential knowledge and understanding needed by capability developers, systems engineers, project managers and other technical staff working on high technology defence projects. Education and training programs are delivered in the following key areas: capability systems design; systems engineering; operational analysis; requirements development; military vehicle technology & mobility; weapons, firepower & survivability technology; project management; human systems integration; integrated logistic support.

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 with little room for error.

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 and of Australia.

Availability 3 - 6 months.

FifthDomain

ICT & Cyber | Training & Education

Company Brief

FifthDomain is a trusted, Australian leader in cyber workforce development technologies. FifthDomain provides solutions across the lifecycle of cyber operators: from identification and development of cyber talent, to retaining cyber staff. FifthDomain offers cyber learning labs; cyber-skills based assessments; and capture the flag competitions.

Assessor

Assessor evaluates the abilities of cyber candidates through their performance in cyber operations tasks. Assessor can be used as part of a recruitment screening process, or to validate the skills or competencies in an individual, or team, to support development. Assessor generates rich analytics and insights to support management decision making. Assessor offers objective assessments that only screen fairly and professionally, identifying skills and potential in candidates who may not perform well in traditional recruitment screening processes. FifthDomain's insightful reports identify skills and approach mapped to task difficulty and cyber competencies to support candidate selection.

Availability <3 months.

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.

Popper Target

The Popper Target is one of a range of targets and equipment that Geng can provide for live fire training. It is incredibly simple, durable and safe, and provides a visual and audible reaction to a hit. It is spring supported to rock backwards and forwards when hit. The target plate is reversible for durability and is mounted on a plastic frame to minimise the chance of secondary splash being returned to the firer. It is supplied flat pack for easy transport and storage. It is in intensive use in Australia and has international sales enquiries.

Availability Designed and manufactured to order.

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.

Comprehensive 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. GI's module-based training offers the client flexibility to suit their requirements and includes: Remote sensing; Imagery analysis; Motion imagery; Managing a geospatial capability; Collection management; Information management; and ISR concepts and management.

Availability <3 months.

Goal Group

ICT & Cyber | Training & Education

Company Brief

Goal Group operate Australia's largest complementary SME model helping the Defence sector optimise capability and assets. Goal has committed and successful partner companies working with Goal's employees under the unified Goal Group brand delivering advanced Defence solutions and services.

GuardWare - Cyber Security

Goal Group offers the GuardWare cyber product suite, which 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 gives data owners the means to verify that only authorised individuals are accessing their data and that their data is persistently protected through advanced transparent encryption techniques. GuardWare is already on offer internationally.

Availability <3 months.

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.

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.

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.

Ingenia

Design | Engineering | Through-Life Support | Unmanned & Counter Unmanned Systems

Company Brief

Ingenia is a full-service engineering consultancy with expertise in delivering a range of integrated and complementary services to national and international clients in the commercial and defence sectors. Ingenia's mission is to deliver innovative, world-class engineering solutions that are tailored to the unique and specific requirements of each client. Ingenia's diverse and experienced team offer fully integrated engineering design for brownfield/greenfield and turnkey projects, fitness for service assessment and asset integrity management. Ingenia continues to embark on projects that align with the ISO44001 framework, delivering the capability of a combined group of SME's.

Engineering Consulting

Ingenia's experienced team have strong capabilities to provide project management, mechanical, structural and civil engineering, design and drafting, and risk assessment. Complementary Services include VR CAD Visualisation, Forensic Engineering and UAV Inspections. Ingenia's in-house expertise ensures that customers are provided with safe, risk free and quality solutions throughout the project.

Availability <3 months.

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.

Molico

Communications | Design | ICT & Cyber | Logistics | Research & Development |
Training & Education

Company Brief

Molico has been an active partner in special projects and training for more than twenty years, assisting clients and partners deliver a range of projects and showcasing Australian knowledge and innovation around the world. 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.

Data Collation, Analysis Training & Operations Program

Molico designs, develops, implements and trains personnel in the use of persistent surveillance capability so that large amounts of data can be collected, analysed and disseminated across the joint force. This includes developing and upgrading sensors and software, and situational awareness systems to enhance data collection, analysis and dissemination. It also includes 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.

Nexus Training Solutions

Training & Education

Company Brief

Nexus Training Solutions (NTS) is an Australian, veteran owned company, made up of veteran personnel who are 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.

Adaptive Training

NTS offers their adaptive training models to provide holistic end-to-end training results. Workforce Augmentation: NTS provides rapid mobilisation of suitably experienced resources to act as an extension of a customer's workforce. Training Transformation: provides guidance, advice and remediation options for existing training courses and strategies. This includes curriculum design, review and refresh of current materials, and advice on governance and administration. Technology Integration: support the adaption of existing technologies and methods enhanced by modern systems. Guidance, advice and planning for technology adoption ensures that technology is integrated into curriculums.

Availability <3 months.

north Security

ICT & Cyber

Company Brief

north Security (north) is a leading Australian owned cyber security company and is part of Tesserent (ASX: TNT). north supports the more advanced, innovative and technology-orientated methods, resulting in secure and positive changes in people, process and capability. north has a high performing team of skilled consultants and technology experts experienced in providing end to end security services to Australian Government.

Cyber security services

north is backed by one of Australia's largest cyber security providers, Tesserent, and provides clients with a full suite of cyber security services. north offers the following cyber security services: cyber security advisory, governance, risk and compliance, system security plans, policy, frameworks, operational security, penetration testing, vulnerability assessments, Essential 8.

Availability   <3 months.

Ocean Software

Communications | Training & Education

complexity made simple

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 provide a comprehensive COTS-based system solution to military and commercial aviation. Trusted by 14 militaries worldwide, FlightPro® not only simplifies complex operating environments but embodies the very principles of modern, connected and integrated air operations. Modules include Operations Management (Resource Scheduling and Tasking), and skills and training management. Additional modules include Long Range Planning (LRP), rostering, Joint Ops, Exchange Integration (FACT), and LMS integration.

Availability   3 - 6 months.

Pacific Aerospace Consulting

Communications | ICT & Cyber | Training & Education | Unmanned & Counter Unmanned Systems

Company Brief

Pacific Aerospace Consulting (PAC) is a veteran-owned business comprised of two independent companies in Australia and the US, which provides worldwide support capabilities for Australian, US and international partners. The PAC team can enable client's success within a rapidly evolving, globally integrated environment through niche technical and operational skills, a strategically located workforce, and commitment to innovation.

PAC Professional Services

• Joint Mission Planning System • Electronic Flight Bag • Field Service Representation • Data and asset management • Tactical Information Exchange • Tactical Data Link • System Engineering • System Integration • Initial Common Support Infrastructure (ICSI) • Electronic Warfare • Engineering • Airworthiness • C4I Systems • Flight Simulation • Training Systems • Test and Evaluation Program Management • Program and Fidelity Management • Live, Virtual & Constructive (LVC) Training Environments • Methods of Simulation Courses • Cyber Security • IRAP Assessment • Information Security • IT Services • Certification and Accreditation • Design and Remediation • ISO 27001 Audit and Certification • Cyber Security Education, Awareness and Training

Availability 6+ months.

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.

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.

RAIDER Targetry

Autonomous Systems | Design | Engineering | Research & Development | Robotics | Training & Education | Unmanned & Counter Unmanned Systems

Company Brief

RAIDER Targetry are experts in advanced training systems for the world's most challenging environments. RAIDER's rapidly deployable, 'use anywhere' product ecosystem scales to deliver unprecedented scenario realism, unlocking live-fire options like never before. From direct fire to HE guided missiles, multi-spectrum signatures and offensive fires simulation, RAIDER is delivering the modern training environment for the modern battlefield.

Live Fire Moving and Stationary Targets

RAIDER reimagined offensive fires training with an integrated and scalable target ecosystem, developed by PhD-level engineers and Defence training SMEs. VUCA environments require creative training scenarios, and RAIDER's products deliver this at any time and site. Modularity enables same-hour setup and firing, with enhancements such as RAIDER's PLS, active IR signatures, RCS, simulated battlefield FX, and more. RAIDER's deployable moving and stationary targets suit all ammunition types, enabling cost effective realism for testing, training and R&D, for land, air and maritime offensive fire platforms.

Availability 3 - 6 months.

SECTARA

ICT & Cyber | 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.

Seeing Machines

Artificial Intelligence | Engineering | Research & Development | Test Equipment | Training & Education | Vehicles & Accessories
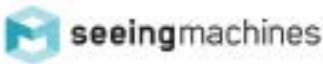
Company Brief

Seeing Machines, a global company headquartered in Australia, is an industry leader 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, by tracking the movement of a person's eye, face, and head. 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 supports qualified flying instructors with intelligent data to assist in the selection, training, and assessment of pilot candidates, and the ongoing training of qualified aircrew. The precision eye-tracking technology provides valuable insights into pilot scanning techniques, supplying instructors with an objective assessment of where pilots are focusing attention, and helps 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. Aircrew benefit from objective feedback through their performance replay, enabling them to achieve improved performance through evidence-based training.

Availability   <3 months.

Sentient Computing

ICT & Cyber | Research & Development | Training & Education

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 • 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 comprise VR, AR, eLearning and 3D animations, offering: • Bespoke content to increase engagement and boost retention of subject matter • Multi and single user scenarios deployed to multiple platforms • Specialisation in large 3D model management • Premium and reliable experiences that reduce training time and costs • Rapid production via a local team of developers, artists, instructional designers and engineers. • Provision of data analytics and reporting to inform debriefing and improve learner performance • Consistent and streamlined approach for performing and assessing complex or hazardous tasks in a safe environment • Integration with LMS

Availability Designed and manufactured to order.

Simulation Air

Engineering | Intelligence, Surveillance & Reconnaissance | Training & Education

Company Brief

Simulation Air is a small, independent, 100% veteran owned company, consisting of a team of experts in their specific domains. The team is proud to be a part of Defence Industry, supporting Defence, Australia, and their national interests.

Live, Virtual and Constructive

Simulation Air provides the following services: • Multi-Domain Warfare Synthetic Operators (Simulator Pilots) • Exercise Control (EXCON) • Simulation and Network Engineering • C4ISR Subject Matter Experts • Testing and Evaluation • Verification and Validation.

Availability <3 months.

SiNAB

Design | Engineering | Intelligence, Surveillance & Reconnaissance

Company Brief

SiNAB is wholly Australian-owned and operated. SiNAB meets contemporary real-world defence and aerospace challenges by turning contemporary and emerging technologies into deployable products. SiNAB has the vision, the people, the resources, and the network of talented partners to span the full product lifecycle. SiNAB's team consists of individuals with years of engineering and management experience and a proven track record of delivering high-visibility, critical defence projects.

SiNAB JTAC Training Solution

Joint Terminal Attack Controllers (JTAC) direct combat aircraft engaged in close air support and other air operations. An international MoA specifies minimum standards for JTAC training. The SiNAB JTAC Training Solution (SJTS) enables training aircraft (eg T-6B/C) to emulate the target locating and weapon aiming/employment systems of aircraft such as the F/A-18A/B without requiring aircraft modifications. The SJTS includes: • SiNAB-POD: EO/IR/Laser Sensor, mission computer and air-to-ground communications • SiNAB-Cockpit: HMD-based weapon aiming system and tablet HMI for sensor operations • SiNAB-Stores: ordinance carriage/release system • SiNAB-Ground: enables operation from the ground.

Availability <3 months.

Thomas Global Systems

Design | Engineering | Manufacturing | Training & Education | Vehicles & Accessories

Company Brief

Thomas Global is an industry leader in the design, production and support of innovative electronic systems solutions for commercial aviation and defence applications. Since 1956, the Company has gained international recognition for practical innovation and dependability. Thomas Global delivers expertise in advanced flight displays, armoured vehicle electronics, mission-critical systems and simulation technology supported by dedicated service and support teams operating around the world.

Abrams Immersive Tactical Trainer

Thomas Global's Abrams Immersive Tactical Trainer (ITT) sets a new standard for Next Generation Abrams training. A high-fidelity training system designed to address the training requirements of a Tactical Crew Trainer (TCT) and Advanced Gunnery Training System (AGTS), accurately simulating all crew positions. Available as fixed, mobile, or deployable systems, the ITT is engineered to meet all current and future training requirements for the M1A2 SEP V3 platform. Thomas Global's design maximises total training system reliability and maintainability whilst providing exceptional performance at the most economical total Life Cycle Cost.

Availability Designed and manufactured to order.

Section Four

8. Maritime

Allied Data Systems
Australian Pump Industries
B&R Enclosures
Custom Works
Doen WaterJets
Fiomarine Industries
Fugro Australia Marine
Griffin Marine Services

IPACS Australia
Leidos Australia
Liferaft Systems Australia
Metromatics
Norship
NT Port and Marine
Ocius Technology
PFG Group

Pivot Maritime International
Sea Swift
Solutions from Silicon
The Whiskey Project Group
Tropical Reef Shipyard
Versatile Marine

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

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 Model 3045 Doppler Velocity Log is the 3rd generation of phased array Doppler Velocity Logs for measuring speed in surface and underwater platforms including ships, submarines and autonomous vehicles. The Model 3045 uses the proven phased array technology from earlier models that provides 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 Additionally, the Model 3045 is able to provide current profiling for hydrographic surveying and data logging.

Availability Designed and manufactured to order.

Australian Pump Industries

Ship Building | Through-Life Support

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.

B&R Enclosures

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

Company Brief

B&R Enclosures is an independent, Australian owned and operated business specialising 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 and purpose built specifically for Naval Maritime applications. They have been tested and certified to MIL-STDs and are used by Navies throughout the world for the protection of systems and equipment. Engineered from a fully welded lightweight marine grade aluminium frame, the racks are available in several 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.

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.

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.

Kompakt and Optima Series

Utilising cutting-edge impeller technology together with hydro-dynamically advanced intake designs, these waterjets underpin excellent efficiency across all operational speeds, with excellent acceleration, excellent load carrying, and superior cavitation margin. Matching engine power up to 6500 kW (8700 HP), Doen WaterJets' extensive product offerings are developed to meet and exceed the most demanding propulsion requirements of government and commercial vessels.

Availability 3 - 6 months.

Fiomarine Industries

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

Company Brief

Fiomarine is a wholly Australian owned manufacturing company based in Tasmania, supplying to Defence for 20 years, including the Royal Australian Navy (RAN) and US Navy. Fiomarine has worked with RAN and Defence Science and Technology Group on various special projects modifying its technology to suit the application.

Fiobuoy Marine Marker Buoy and Retrieval System

The Fiobuoy® is a robust submersible marine marker buoy and retrieval system, specifically designed for military and research applications with applications in fishing industries, anywhere it is preferred not to use a surface float marker. It is security coded, programmable, deployable to depths up to 200m, and is designed for underwater deployments from 1 minute and exceeding 6 months. Fiobuoy is triggered by a pre-programmed time and date setting, or via Fiomarine's 'Acoustic Command' signal. At this time, it releases itself from its underwater mooring and floats to the surface to fulfil its marking function. The Fiobouy has a lifting capacity up to 10 tonne.

Availability <3 months.

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.

Griffin Marine Services

Engineering | Manufacturing | Ship Building | Through-Life Support

Company Brief

Griffin Marine Services 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.

Land and Sea, 24/7

Services that Griffin Marine provide include, but are not limited to: Welding/ fabrication (Lloyd - DNV – Rina Class Approved) mechanical works; piping System (repair and renew all systems); door and hatches; insulation / cladding (to class approval); and painting (PCCP Accredited). Our welding services include stainless, copper nickel, aluminium, high tensile, DH36, DH55 to DNV and Lloyds class certification. Griffin Marine have facilities and carry out works in docks all over Australia and can also work remotely on vessels on voyage.

Availability <3 months.

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.

Leidos Australia

Artificial Intelligence | Autonomous Systems | Engineering | Intelligence, Surveillance & Reconnaissance | Research & Development | Through-Life Support

Company Brief

With 25 years of experience, Leidos Australia is working to solve the world's toughest challenges in government, defence, intelligence, border protection, and health markets. Leidos employ more than 1,400 local experts who, backed by global experience and network of partners, deliver solutions that help secure Australia through information technology, engineering and science. Leidos are committed to delivering innovative and cost effective solutions, managing risks, working collaboratively and drawing on global expertise.

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. A Norbit Multibeam Echo Sounder is attached to a rigid pole and a cross beam supporting differential GPS antenna. The topside processor, powerful laptop and battery power for up to 12hrs of operation are contained in modified Pelican cases - allowing transportability and environmental protection. 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.

Liferaft Systems Australia

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 light-weight 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.

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.

MIL STD 19" Electronic Equipment 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.

Norship

Engineering | Manufacturing | Ship Building | Through-Life Support

Company Brief

The Norship team proudly service its broad customer base through the delivery of innovative maritime services. From vessel design, construction, maintenance, complete refits to life extension and demolition services; Norship offers through life support across Oceania. An Australian business, with a 70 heritage in the maritime industry, across Australia and Pacific Nations, we offer an unwavering commitment to delivering seaworthy ships for the Australian Defence Force, now and into the future.

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. Norship has evolved servicing Australian Defence, paramilitary, law enforcement agencies and the mining industry across Northern Australia, PNG and the Pacific Island Nations.

Availability 3 - 6 months.

NT Port and Marine

Logistics | Through-Life Support

Company Brief

NT Port and Marine operates the Port Melville deep water port facility on Melville Island (Tiwi) 63 nautical miles off the Northern Territory coast. The Port offers users a deep water, multi-user facility supporting naval forces, the oil and gas and general marine transport industries. Port Melville offers a 30 million litre capacity marine bunkering facility supported by a 220m floating wharf.

Fuel Supply

Port Melville operates a 30 million litre tank farm and associated 220m wharf infrastructure which is able to bunker vessels up to 50,000 DWT at a rate of 3500 litres/minute. Port Melville operations are overseen by a qualified team of personnel with dedicated pilotage and Harbour Master. The Port Melville fuel facility is fully bonded/Australian Taxation Office compliant and is able to offer fuel both excise and GST exempt.

Availability <3 months.

Ocius Technology

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

Company Brief

Ocius Technology's Bluebottle Uncrewed Surface Vessels (USVs) help sailors and scientists monitor large areas of ocean continuously, at low cost and unmanned. Bluebottles are powered by renewable energy and need no fossil fuel and require minimal logistics.

Bluebottle USV

Bluebottle USV equipped with payloads for Maritime Domain Awareness, Gateway comms and Anti-Submarine Warfare

Availability 3 - 6 months.

PFG Group

Manufacturing | Ship Building

Company Brief

Australian owned PFG deliver a proven sovereign capability with 25 years' experience in the design, build and sustainment of the Sentinel Family of Sea Boats. The Sentinel is the next generation in sea boats leveraging the superior properties of High Density Polyethylene (HDPE) to deliver a step change in safety, performance and survivability to the Australian Defence Force.

The Sentinel

Designed and built in Australia, PFG's flagship vessels are the Sentinel Family of Seaboats, tailored for high-performance defence, security and emergency services. The combination of the vessel design and highdensity polyethylene (HDPE) material makes it an extremely stable platform. HDPE dampens noise, reduces vibration and impact forces to crew, and is easily maintainable, therefore improving vessel operational survivability, safety and performance.

Availability Designed and manufactured to order.

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.

Container Simulator

• Integrated full-mission navigation and shiphandling bridge simulator in a fully insulated, lockable 20 or 40 foot shipping container for ultimate security and transportability • Real ship controls and navigation equipment, with Integrated Navigation System/Integrated Bridge System consoles • 6 degrees of freedom motion, with helm seating or with up to 8 navigators standing on bridge floor • Olfactory (smell) effects integrated into visual, vibration floor and console instrumentation • Large database of vessel/area models based on actual vessels, ports and sea areas • Ship/port/sea area modelling in 4K or 8K resolution and customised to reflect a vessel's actual operating environment.

Availability 3 - 6 months.

Sea Swift

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

Company Brief

Sea Swift is one of Northern Australia's largest shipping companies, with its 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 delivers flexible and cost-effective maritime vessel operations in all sea conditions, optimal performance and required sea days, can operate and maintain defence fleets, provide qualified and experienced crews, deliver assured planned maintenance, high-quality engineering, and responsive reactive maintenance. 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.

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 complex maritime environments.

Availability Designed and manufactured to order.

The Whiskey Project Group

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

Company Brief

The Whiskey Project Group comprises several leading Australian and New Zealand maritime technology and naval architecture companies delivering end-to-end design, engineering, manufacturing, maintenance and sustainment of high-performance military and emergency services watercraft.

Whiskey Multi Mission Reconnaissance Craft

The Whiskey Multi Mission Reconnaissance Craft (Whiskey MMRC) family, consisting of the Alpha (30ft) and Bravo (40ft) variants, delivers the most meaning innovation in combatant craft in decades. Foundationally supported by the most technically advanced powerboat hull, the Whiskey MMRC vertically integrates with personnel and joint all-domain command and control (JADC2) systems — combining operationally focused features; unprecedented payload capacity; and future-proof networked technologies. These fit-for-purpose features and next-generation technology have never before been collectively applied to a multi-role combatant craft.

Availability Designed and manufactured to order.

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. • Supporting FIFO ops in remote areas • The largest lift capacity in Northern Australia, capable to haul out 3000 tons and 110m OAL • 9.2m ALW channel, wet berths, and dry dock up to 135m • Wet berths provide all services • Boilermakers, Fitter/Turners, Blasting/Painting, and partners provide all capabilities.

Tropical Reef Ship Yard

Ship maintenance, repair and refit, up to 110 m length and 3000 ton Dry and Wet berthing, deep water channel. All services provided.

Availability <3 months.

Versatile Marine

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

Company Brief

With decades of know-how, skills and experience, Versatile Marine is a emerging designer and boat builder based in Western Australia, developing a new generation of innovative high speed craft for commercial and military usage. Versatile's solutions are ideally suited for insertion in shallow and uncharted waters, built from highly impact resistant polyethylene materials. The company is proud to deliver intrinsically safe platforms, with unrivalled capabilities, easily repairable in remote locations.

Polyethylene Work, Rescue, Landing and Patrol Boats

Versatile Marine delivers high performance work, rescue, landing, and patrol boats up to 20+m length, custom designed to meet mission specific requirements, and manufactured from specially formulated polyethylene with fire retardants and strength additives, and in full compliance with international, statutory, and regulatory requirements. Versatile Marine's boats can be equipped with (diesel) outboards, diesel inboards with waterjets or (surface piercing) propellers, light ballistic armour up to NIJ III+ or Stanag 4569-II, rigid foam collars, self-righting systems, and shock suspension seats as appropriate. The boats are designed to meet extreme requirements, durable and build to last.

Availability Designed and manufactured to order.

Section Four

9. Capability Needs

Force Ordnance
GCPD Arms
Kord Defence
Moog Australia
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

Force Ordnance

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

FORCE ORDNANCE

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. |

GCPD Arms

Weapons & Ammunition

Company Brief

GCPD makes innovative, premium grade precision rifles, that are lightweight, highly modular, and reconfigurable for mission adaptability. Ultimate precision is our goal. GCPD's chassis system and unique QTD system enable us to develop systems that deliver outstanding accuracy and lethality at all ranges. GCPD designs and manufactures solutions tailored to user requirements, rather than offering the same old OTS systems. GCPD is willing to facilitate in-country manufacture under license.

AMAP QTD MC Sniper System

Need to apply lethal effects at ranges not possible with a .338 sniper system? Need flawless performance and superior mission adaptability? Need to insert weapons discreetly? Then the GCPD AMAP (Anti Material Anti-Personnel) is the system for you! 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. |

Kord Defence

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

korddefence

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 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 two basic variants: the RACU Commander and RACU Hammer. It is a cutting-edge capability that is easily attached to a weapon, light (160 g), power efficient and simple to learn.

Availability 3 - 6 months.

Moog Australia

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

MOOG

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 Missile Platform

FMP is a combination of Moog's high performance weapon stores management technology and world-renowned expertise in military motion control, fire control, and stabilisation. Missiles previously only launchable from helicopters may now be fired from ground vehicles with missile combinations able to suit any mission need from any platform. Platform Options: • Stabilisation system for shoot on the move capability • Multi-channel rotary joint for high speed data transfer • Low inertia mechanical structures • Covers for ingress protection • Mast and sighting systems • Vehicle display and control interfaces

Availability Designed and manufactured to order.

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 is the most modern of it's type in the world and 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.

W&E Platt

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

Company Brief

W&E Platt specialises in the design, manufacture, installation and ILS of weapon mounts for military vehicles and naval vessels worldwide. Incorporated in 1980, Platt's combat-focused design and manufacturing experience constantly deliver performance and reliability. Designed using in-house Solid Edge 3D CAD and FEMAP enables company to offer innovative and broader solutions including rapid prototyping and testing.

Platt Weapon Mounts

W&E Platt weapon mounts are combat proven products which have been tested in the battle fields. We supply Swing Mounts, Skate Mounts, Rail Mounts, 40-50 Soft Mounts, Ring Mounts, Pedestal Mounts and Marine Mounts. The Platt Ring Mount is a one-man lightweight, low profile and versatile weapon station designed to suit variety of military vehicles. The system is fully scalable to meet the needs of modern warfare and has proven to be a reliable and highly functional system 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.

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.

Rocketry
Launch Sites
Support Technologies
Space Research & Development

Section Five

Space Capabilities

Amentum Scientific
Black Sky Aerospace
Capricorn Space
Gilmour Space
Inovor Technologies
Jarmyn Enterprise Space
Saber Astronautics
Southern Launch
Spiral Blue
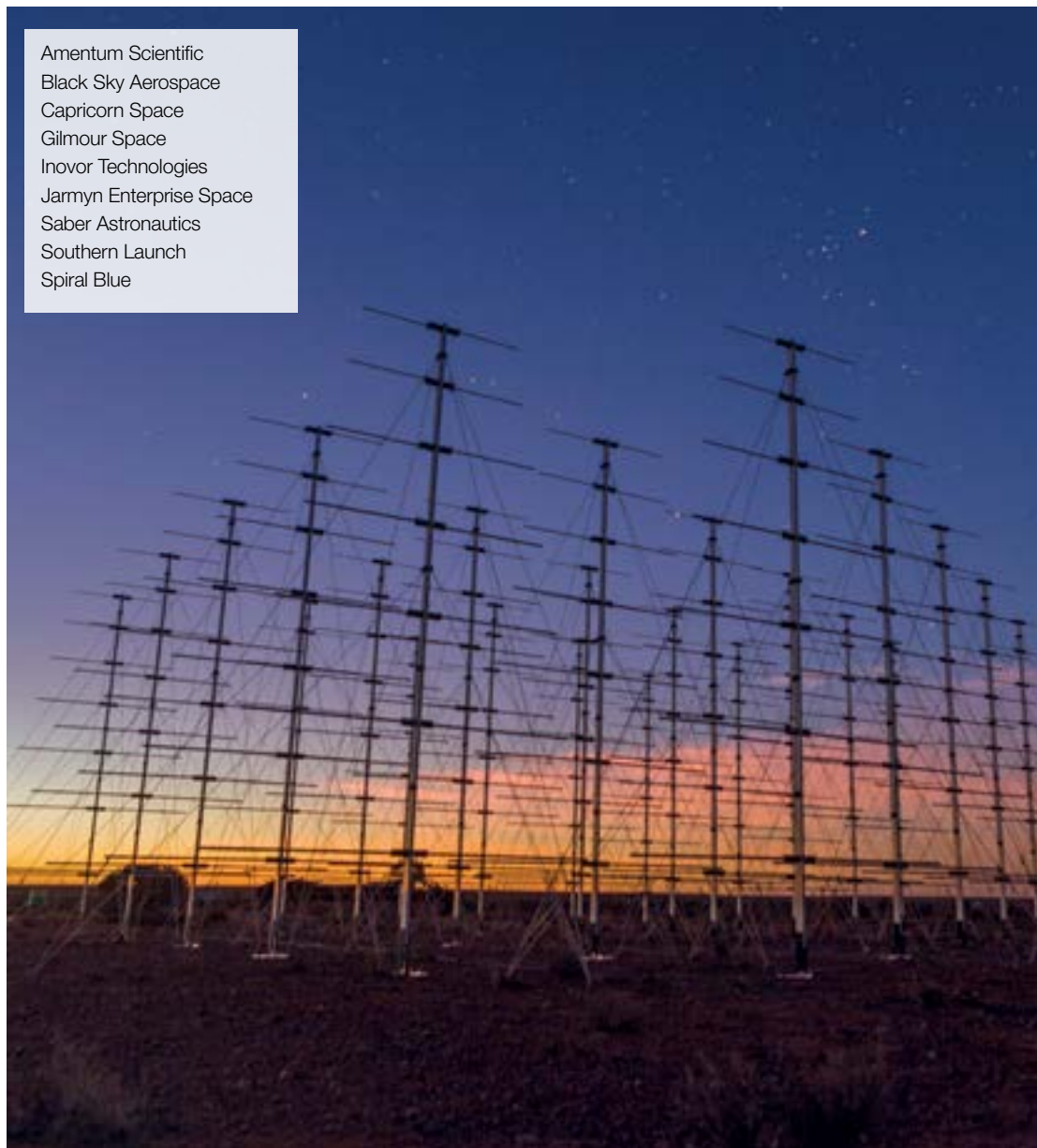
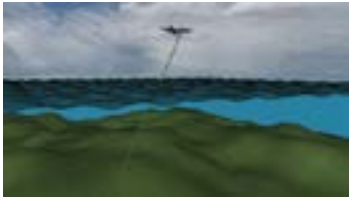*A Defence Export Permit may be required for the products and services shown on each of the following pages*

Amentum Scientific

Optical | Space Capabilities

Company Brief

Amentum Scientific is an Australian company founded in 2016 that has delivered radiation and optical modelling software and services to the Department of Defence, the Australian Nuclear Science and Technology Organisation, and industry. Amentum is ready to support allies with rapid and flexible design, build, and testing of software, deployment to high performance computing facilities, analysis and visualization of complex datasets, and delivery of high quality technical reports.

Physics-based simulation software

Amentum develops bespoke modelling software that enables customers to optimise the design and concept-of-operations of optical systems prior to development, enabling science driven decision making that de-risks projects. Possible use cases include: 1. predicting the performance of an airborne maritime lidar bathymetry system in a coupled ocean-atmosphere model, 2. calculating solar panel power outputs of High Altitude Platform Systems for a given mission profile, 3. simulating the response of ground or space based ranging and imaging sensors for space domain awareness.

Availability <3 months.

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.

Capricorn Space

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

Company Brief

Capricorn Space provides Ground Segment as a Service (GSaaS) capabilities at a 35 hectare site in Western Australia to support the global space industry. Two 5 metre S/X-Band antenna systems provide services to major global satellite constellation operators.

Satellite Ground Segment as a Service

Satellite and Ground Station operators can take advantage of Capricorn Space's flexible infrastructure, based on world's best practice, to install bespoke technologies to provide reliable and quality access to the data streamed from satellites as they pass. Reliable off-grid power and optical fibre and microwave communications at the site means the data collected can be instantly transferred for processing anywhere. Capricorn Space's two 5 metre S/X-Band antenna systems offer strategic landing location for satellite data, clear sky environment, full horizon-to-horizon visibility, a no-fly zone and a region embargoed by the national regulator for supporting satellite services.

Availability   <3 months.

Gilmour Space

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

Company Brief

Gilmour Space is the leading Australian space launch services provider that builds and launches Australian-Made rockets and satellites into orbit. With 180+ staff in QLD, Gilmour Space is the largest sovereign space employer, specialising in the design, prototype, manufacture, and launch of new Australian-Made rockets and spacecraft, powered by our world-class hybrid engines and other advanced technologies.

ERIS Orbital Launch Service - 1,000 kg to LEO Launch

The ERIS Orbital Launch Vehicle has a maximum payload of 1000 kg to LEO, a payload fairing diameter of 2.6 meters, and access to all orbits to suit custom business needs. Gilmour Space provides dedicated and rideshare options from Australian launch sites with wide orbital access to mid-inclination equatorial, Sun Synchronous Orbits and polar orbits.

Availability   6+ months.

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, in "smart" Earth imaging; and Hyperion, in Space Domain Awareness.

Availability Designed and manufactured to order.

Jarmyn Enterprise Space

Engineering | Manufacturing | Research & Development | Space Capabilities |
Test Equipment | Unmanned & Counter Unmanned Systems

Company Brief

Jarmyn Enterprise Space is currently developing Hawk Class Launch Vehicles (HCLVs) and Swift Engine (SE)under the flagship initiative named Jarmyn Enterprise Space Program. The Company also does material research, testing efficient fuel sources, and conducting QHSE for the space technology market. and development of rocket engine test facilities for testing of all size engines.

Hawk Series Launch Vehicles

The Hawk Class Launch Vehicles (HCLVs) are being developed to target the Australian and global space industries as well as space missions. The J.E.S Program will provide our customer access to different types of orbits such as Low Earth Orbit (LEO), Geostationary Transfer Orbit (GTO), and even interplanetary orbits to deploy payloads across multiple launch sites.

Availability Designed and manufactured to order.

Saber Astronautics

Artificial Intelligence | Autonomous Systems | Electronic Warfare | ICT & Cyber |
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. Connected with >160 dishes, Saber flies satellites from two Responsive Space Operations Centres in South Australia, and Colorado.

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.

Southern Launch

Design | Engineering | Intelligence, Surveillance & Reconnaissance | Logistics |
Space Capabilities | Through-Life Support

Company Brief

Southern Launch is a launch service provider, offering an end to end service encompassing all elements required for safe and rapid launch of rockets and launch vehicles. The Whalers Way Orbital Launch Complex supports orbital launches (polar, SSO), while the Koonibba Test Range offers overland sub-orbital testing and recovery of vehicles. Design, safety analysis and regulatory support are provided by the experienced team, all with minimum security clearance.

Rocket Launch Capabilities

Southern Launch is an innovative space company providing the infrastructure and logistics support for orbital and sub- orbital launches of satellites and space payloads. 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 compared to any other location around the world.

Availability <3 months.

Spiral Blue

Space Capabilities

SPIRAL BLUE

Company Brief

Spiral Blue is a space startup focused on building the next generation of Earth observation services with artificial intelligence and Space Edge Computing. Spiral Blue technology has applications in defence, city planning, utilities, and other industries. Spiral Blue provides Space Edge Computers, integration services, and reseller services to satellite operators.

Cobalt - Satellite Tasking

Spiral Blue provides satellite imagery. Currently operational with major customers, Cobalt is a user-friendly tasking interface that allows anyone to task satellites, and acquire satellite imagery: • Users can request 70cm-99cm resolution imagery • Delivery in as little as 1 day • Turnaround within a week, or month is also available • Supports point orders, area orders and upload of KML/shape files • Image analytics is coming soon. Spiral Blue image analysis uses Artificial Intelligence to provide insights including canopy coverage, water coverage, coastal erosion monitoring.

Availability <3 months.

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.

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 2023
Trade Show Calendar

SHOW	COUNTRY	CITY	DATES	DOMAIN/S	EOI DATES
International Defence Exhibition & Conference (IDEX/NAVDEX)	UAE	Abu Dhabi	20 – 24 Feb	Tri-service	Open: 13 Oct 22 Close: 01 Nov 22
Defence & Security Equipment International (DSEI) Japan	Japan	Tokyo	15 – 17 Mar	Tri-Service	Open: 27 Oct 22 Close: 31 Dec 22
Sea-Air-Space	USA	Maryland	3 – 5 Apr	Maritime / Aerospace	Open: 25 Nov 22 Close: 14 Dec 22
International Maritime Defence Exhibition & Conference (IMDEX)	Singapore	Changi	3 – 5 May	Maritime	Open: 16 Jan 23 Close: 07 Feb 23
Special Operations Forces Week (SOF Week)	USA	Tampa	8 – 11 May	Special Operations	Open: 16 Jan 23 Close: 07 Feb 23
Langkawi International Maritime & Aerospace (LIMA)	Malaysia	Langkawi	23 – 27 May	Maritime / Aerospace	Open: 16 Jan 23 Close: 07 Feb 23
International Defence Industry Exhibition (MSPO)	Poland	Kielce	5 – 8 Sep	Tri-service	Open: 02 May 23 Close: 24 May 23
Defence & Security Equipment International (DSEI) UK	UK	London	12 – 15 Sep	Tri-service	Open: 02 May 23 Close: 24 May 23
Association of the United States Army (AUSA)	USA	Washington DC	9 – 11 Oct	Land	Open: 06 Jun 23 Close: 27 Jun 23
Dubai Airshow	UAE	Dubai	13 – 17 Nov	Aerospace	Open: 04 Jul 23 Close: 26 Jul 23

*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**.

Please direct all enquiries to **TeamDefence.Australia@defence.gov.au**.

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to advance Australia's security and prosperity
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