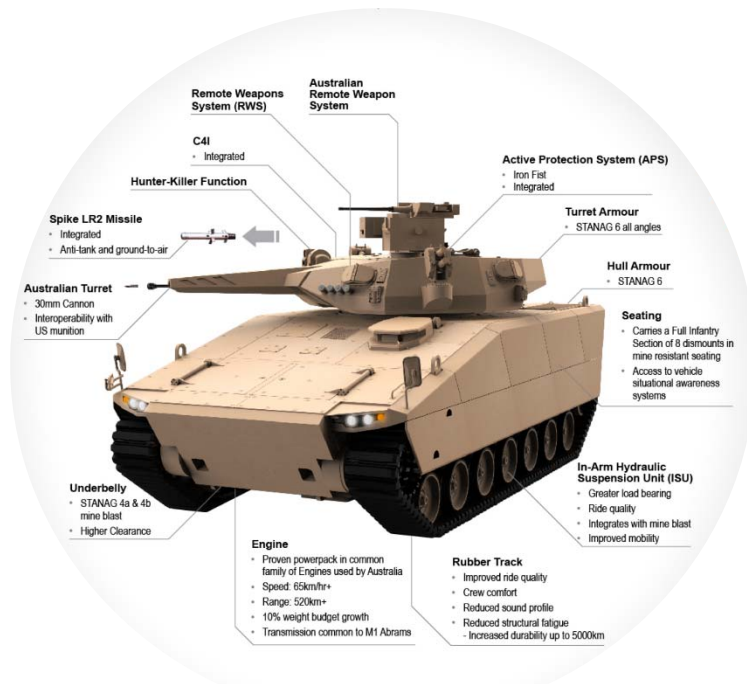
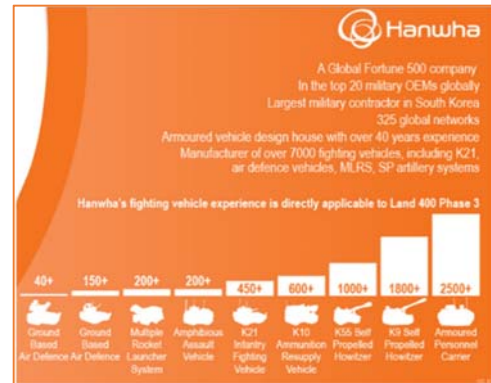




# Hanwha Defense Australia

Hanwha Defense Australia (HDA) is committed to maximising the opportunities for competitive Australian industry to be a part of our **Redback** supply chain. Leveraging their considerable expertise HDA will work with Australian Industry to create a self-reliant Armoured Vehicle industry in Australia. This work will reinforce and support the important Commonwealth commitment to both creating jobs and reinforcing the position of Australian Industry as a Fundamental Input to Capability.

The world's newest IFV, the **Redback** will transform both the Australian Army and Australian Industry. The vehicle and associated technology offer a clear path forward to create both jobs and a sustainable Armoured Vehicles Industry in Australia. The vehicle will have the world's most advanced turret taking the best of Australian and international technology. EOS, an Australian company, will have responsibility for the turret incorporating their advanced optics and fire control system. An advanced In-Arm Suspension System will ensure the highest levels of mobility with the manufacture and support of this available to Australian Industry. The vehicle will, for the first time in Australia, offer the advantages of a rubber track system allowing Australian industry to be a part of possible future developments in this key technology area.



Acknowledging how hard it is for Australian SME's to enter into the defence market and the stress and cost this can place on companies HDA is devoting considerable time into refining our procurement and qualification processes to create an easier transition into our supply chain. HDA have an Australian team in Korea working closely with our parent company in order to achieve this. Whilst the process developed will emphasise the traditional supply issues of cost, schedule and quality, HDA will work hard to ensure that the result is easy to comprehend, consistent and responsive to you, the Australian SME community. It is anticipated that this process will be finalised prior to the Commonwealth sponsored Land 400 Phase 3 AIC Roadshow which will occur in the March-April period of 2020. In addition to refining our processes to assist Australian Industry Hanwha is also working closely with an innovative Australian company, BenchOn, to create an interactive

industry portal that will assist SME in navigating their way towards being a part of the Team **Redback** supply chain. Hanwha has no bespoke Korean Industry standards; everything is benchmarked off an appropriate International Standard.

HDA will also be conducting a series of industry engagement activities with a strong focus on regional industry engagement. One on one engagement with Australian industry has been ongoing for a considerable period resulting in our strong relationship with key Australian companies such as EOS and Bisalloy. HDA already has Australian steel in Korea for the manufacture of our RMA vehicles and is working hard to explore the avenues to pull Australian industry into the **Redback** supply chain.

Implementing a bold plan to create a self-reliant Armoured vehicle industry in Australia will take time. Given that Land 400 Phase 3 Government decision is not until 2022, moving towards a set of contract offers for most Australian companies may not occur until HDA is in contract with the Commonwealth. There will, however, be a significant set of actions in the intervening period with site visits and industry engagement activities. Below are some of the opportunities HDA has

**READY. RELIABLE. RESPONSIVE.**



# Hanwha Defense Australia

identified along with a list of those Australian and international companies who we have already identified to be a part of Team **Redback**. The Australian flags indicate AIC opportunities, while the made in Australia symbol is just that: confirmed as Australian.

Acknowledging the importance of creating a self-reliant Armoured Vehicle Industry in Australia, the overall coordination will be the responsibility of our Director Business Development and Strategy, Tim Pickford. Tim will act as the initial first point of contact ensuring that all interested Australian companies and organisations, including those involved in Research and Development and other related Defence areas of interest, are properly catered for.

**Mr Tim Pickford**

Mobile: 0477054591

[t.pickford@hanwha.com](mailto:t.pickford@hanwha.com)

Combat Vehicle				Support Services
<b>Turret system</b>		<b>Chassis system</b>		<b>Operating Support</b>
<b>Turret shell</b>	<b>Powertrain</b>	<b>Hull system</b>	<b>Vetronics</b>	<b>Field service Representatives</b>
<b>Protection system</b>	Engine	Hull Structure	360 SA	<b>Technical Data Management</b>
Passive Armour	Transmission	- Armor Steel	MFD (Display)	<b>Vehicle Information Management services</b>
APS	Cooling system	Lamp Assy	GVA (HUMS)	<b>Training Equipment Support services</b>
Seating system	Hydraulic system	Hatch Assy	GPS/INS	<b>Engineering Support</b>
<b>Sensor system</b>	Intake/Exhaust	Grill Assy	Power system	<b>Maintenance Support</b>
<b>Weapon system</b>	Fuel system	Hull parts	- PMS	<b>Supply Support</b>
Main weapon	Alternator	<b>Auxiliary equipment</b>	- APU	<b>Training Support</b>
Co-axial gun	<b>Communication</b>	CBRN detector	- Batteries	<b>Training Management</b>
RWS	BMS (smarTMR)	AFSS	<b>Protection system</b>	<b>Training Delivery Services</b>
ATGM Launcher	Inter-Comm	EPCS	Passive Armour	<b>Training Material support services</b>
Smoke grenades	External Comm	- Airconditioner	- K.E threat	
<b>Turret Driving &amp; Control sys</b>	Antennas	<b>Running gear</b>	- Mine threat	
Fire Cont. system		ISU (suspension)	- Artillery threat	
Turret Driving sys		Final drive	- IED/EPF threat	
MFD (Display)		CRT (Track)	- RPG threat	
Cable system		Wheels	- Bomblet threat	
			Seating system	
			MCS	

### About Hanwha

We are a Fortune Global 500 company leading internationally in a broad range of businesses. Our aggressive investments in our primary industries (chemical, aerospace, mechatronics, solar energy, and finance) are laying the foundation for sustainable development and a brighter future for all.

Total sales of <b>61.96</b> Billion (USD)	Over <b>67</b> Years of history	Globally <b>351</b> Networks	Corporate <b>Video</b> Introduction of Hanwha

Found at [www.hanwha.com](http://www.hanwha.com)

## READY. RELIABLE. RESPONSIVE.