



MADE IN NSW

INDO PACIFIC 2023

NSW Capability Catalogue

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I'd like to welcome you to the Indo Pacific 2023 International Maritime Exposition and to NSW. The Indo-Pacific is the fastest growing region in the world and recent geo-political shifts have made this year's Exposition more important than ever.

Indo-Pacific is a powerful platform, bringing together key decision makers from Australian and international defence, industry, government, academia, and technology leaders, in support of national and regional security interests.

Acknowledging the Commonwealth's national priorities, the NSW Government has placed the Defence and Aerospace Industry at the forefront of our strategies.

NSW hosts some of the highest calibre defence and aerospace businesses in Australia – they are technologically advanced, globally competitive and supported by a highly educated workforce.

We have advanced capabilities in maritime, autonomous systems, space, guided weapons, and cyber capabilities and the industrial base required to scale.

These strengths have fostered complementary defence and aerospace ecosystems: from Tech Central in the heart of Sydney, inland to Western Sydney and the Riverina Murray, and stretching from the Far North Coast down to the Hunter, Illawarra, Shoalhaven and Far South Coast.

We will continue to create the conditions for industry to collaborate, innovate and grow supporting Commonwealth investment and defence exports and offering significant opportunities for job creation and economic growth in NSW.

The 2023 NSW Government Indo Pacific stand showcases the goods, services, technologies and solutions provided by our leading defence and aerospace-related businesses.

We're proud that we're in a position to have our future sovereign defence and aerospace needs and capabilities met right here in NSW.



The Honourable Anoulack Chanthivong MP

Minister for Industry and Trade

Minister for Innovation, Science and Technology

Member for Macquarie Fields

The NSW Government is committed to growing jobs, attracting investment and delivering innovation in our defence and aerospace sector – now and into the future.

The defence and aerospace sector is growing rapidly in NSW. By supporting this sector we're not only contributing to our national security, but we're also driving spill over benefits in adjacent sectors – delivering broader economic benefits for NSW.

As the State's premier investment attraction agency, Investment NSW is working with companies to relocate into and expand within NSW. Whether it is scaling up domestically or going global, we promote the opportunities our state offers businesses, visitors, students, international talent and our First Nations organisations. To create a platform for these companies, we consult widely across industry, and engage research institutions and across government to design and deliver tailored programs which reflect domestic and global trends. Wherever you are on your business journey, we are well positioned to help.

Our primary objective is to make NSW the most desirable place in the world to visit, study, invest and do business. To do this, we seek to create high-quality jobs, build globally competitive industries and deliver a resilient economy. The NSW Industry Development Framework underpins this work with a structured approach to growing our priority sectors including defence and aerospace.

NSW is already home to over 40 percent of Australia's globally competitive defence and aerospace businesses. The Indo Pacific International Maritime Exposition is an important platform for these businesses to showcase their outstanding sovereign capabilities that exist in NSW.

Connect with the Investment NSW Defence and Aerospace team, and over 60 businesses on the stand, to explore how working together, we can make opportunities happen. You can find them at Stand 2N1.

To find more detail about our defence and aerospace programs, and learn how we can collaborate, visit investment.nsw.gov.au/defence-and-aerospace



Katie Knight

Chief Executive Officer Investment NSW

The NSW defence and aerospace sector is underpinned by a strong industrial base, end-to-end supply chain capability and capacity and the largest industry footprint (assets and personnel) of all Australian states.

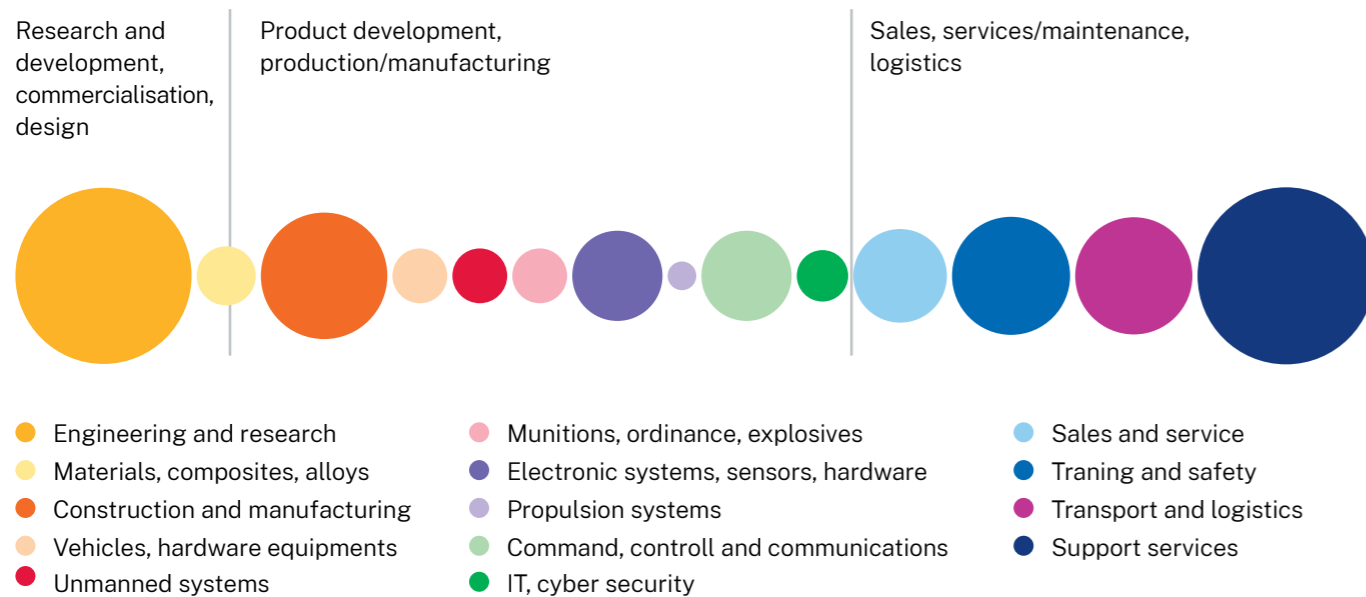
NSW has a deep and complex industrial base which includes capabilities in materials research, industrial design, ICT and complex systems integration. This industrial base positions NSW optimally to meet current and future workforce skills needs. NSW also has strong capacity across the defence sector supply chain which is supplemented by depth in adjacent sectors including advanced manufacturing and cybersecurity.

Our existing industry footprint encompasses more than 25 percent of Australia's military and defence civilian personnel and more defence bases and training sites (21) than any other Australian state or territory. NSW is also home to the largest defence industrial workforce (23,000 direct and indirect workers).

Our asset base is located strategically across the State, to cluster capabilities and foster economic growth, including leveraging the strengths of our regions. We also recognise the economic opportunities that sector investment can catalyse and sustain in these areas. For example, the Williamstown Special Activation Precinct in the Hunter Region is rapidly becoming one of the most significant innovation hubs for defence and aerospace programs on 5th generation defence platforms.

To align with Defence's priorities, NSW is building on its existing capacity with targeted investments across four key campaigns being Maritime, Guided Weapons and Explosive Ordnance, Space and Autonomous Systems. These campaigns leverage existing capability and capacity, align with the 2023 National Defence - Defence Strategic Review (DSR), 2020 Defence Strategic Update, the 2020 Force Structure Plan, and position NSW as a key contributor to the technological expansion within the AUKUS trilateral security pact.

Relative strengths of industry capability



Autonomous Systems

NSW understands that autonomous systems are critical enablers for future force capabilities, improving the speed and precision of decision-making processes to maintain a capability edge and defend against AI-enabled threats.

NSW is developing a collaborative Autonomous System network by enhancing links between research and industry needs, supporting the development of game-changing sovereign capabilities and establishing robust supply chains. Aligned to this, NSW is establishing a National Autonomous Systems Hub (NASH) to cater for Air, Land, Sea and Undersea systems, leveraging the existing innovation and industrial strengths across the state.

The NASH will provide a collaborative network of facilities that promotes the end-to-end value chain including an innovation hub, state of the art advanced manufacturing, indoor and outdoor test and evaluation, as well as training and services.

Guided Weapons and Explosive Ordnance (GWEO)

As outlined in the DSR and Force Structure Plan 2020, supplies of precision munitions can quickly come under stress in times of tension, especially for those nations that possess little domestic capacity to manufacture them. Therefore, and amidst increasing contestation and supply chain disruption, the re-evaluation of the ADF's capacity to sustain operations is of ongoing importance.

To build resilience and self-reliance, Defence announced the accelerated establishment of a Guided Weapons and Explosive Ordnance (GWEO) Enterprise to enhance Australia's capability requirements.

NSW has the existing manufacturing and sustainment base to support the acceleration of the GWEO Enterprise, is already home to most of Australia's capabilities in this sector and will support Defence to progress investments to enhance this sovereign capability. These capabilities are integral to Defence's further investment to augment the Orchard Hills and Mulwala facilities and ongoing manufacturing at the Lithgow small arms factory.

40% of Australia's Defence and Aerospace industry reside in NSW

25% of military and defence civilian personnel are resident in NSW

Significant capacity across the entire defence supply chain

Space

NSW has the broadest and deepest space capability in Australia, being home to over 40 percent of Australia’s space industry and over 30 percent of the space workforce. Space organisations in NSW generate up to 75 percent of Australia’s space-related revenue generation and 50 percent of Australia’s space export revenue.

NSW is also the only state which boasts capability across every element of the space industry value chain, including:

- Advanced manufacturing
- Robotics
- High-tech instrumentation
- Smart payloads development
- Space situational awareness
- Satellite systems
- Space medicine and biology
- Commercialisation of space data.

NSW recognises that Australia is increasingly reliant on satellite-based information and services, As a result, NSW has established the following initiatives to support space organisations:

- National Space Industry Hub
- NSW Node of the SmartSat CRC
- Space Research Network
- Waratah Seed Space Qualification Mission.

Recognising the strength and size of our space sector, NSW was thrilled to be announced as the host city for the Australian Space Forum in 2023, and the International Astronautical Congress in 2025 where over 7000 international space delegates will arrive in Sydney to explore partnership opportunities.

Maritime

A significant maritime industry exists in NSW, spanning the far North Coast to Newcastle, the Garden Island Defence Precinct in Sydney and Port Kembla in the Illawarra-Shoalhaven region.

Garden Island is the homeport for Navy’s major fleet units on the East Coast and includes the Captain Cook graving dock, a major maintenance asset. NSW businesses participate fully in the maritime sustainment sector, providing services such as ship repair and refurbishment. The Navy’s presence in and around Sydney Harbour is a highly complex network of interlinked facilities.

HMAS Kuttabul is the home of the Navy’s Fleet Headquarters, and the other major Naval bases, HMAS Watson, HMAS Penguin and HMAS Waterhen are secure Sydney sites for other fleet assets and naval training.

A NSW port is the logical choice for the future East Coast Base. Both Port Kembla and Newcastle are well established, linked to extensive, robust supply chains and provide easy access to other Naval facilities, notably Garden Island.

40%

NSW is home to 40% of Australia’s space industry

75%

NSW generates up to 75% of Australia’s space-related revenue



Image: Courtesy of Department of Defence

NSW REGIONS AND PRECINCTS

NSW is proud of the extent of its defence and aerospace network and has adopted a whole-of-state approach to delivering sovereign defence capability. This expansive network takes full advantage of adjacent industries and sectors to maximise outputs and provide global opportunities for industry.

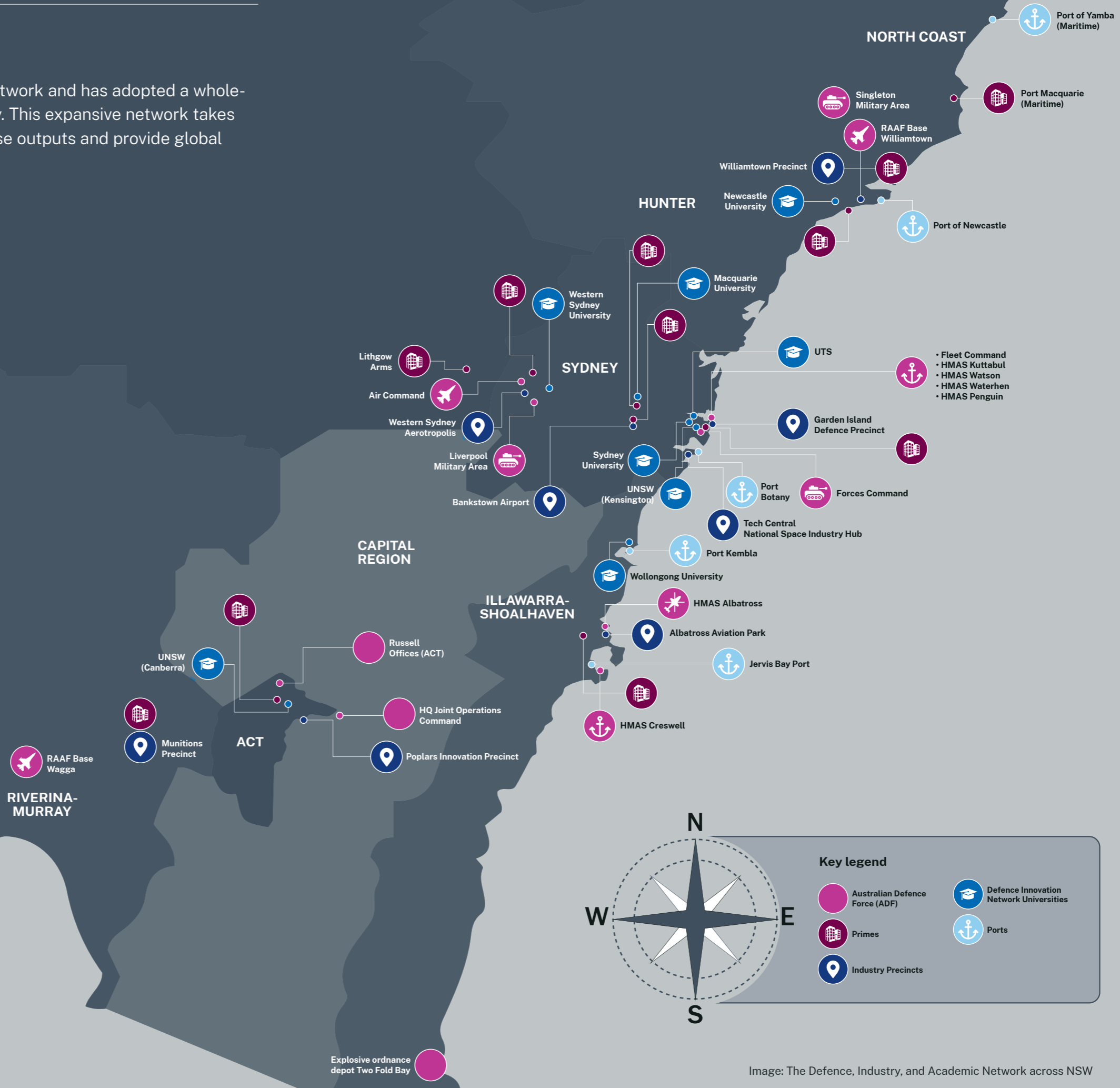


Image: The Defence, Industry, and Academic Network across NSW

CAPITAL

The Capital region extends to include Canberra, home to the Department of Defence and a significant number of defence prime contractors and defence specific SMEs. UNSW Canberra is leading research in cybersecurity and space technologies and is a centre of excellence in conducting impactful multidisciplinary research on future defence initiatives.

The recently established Poplars Innovation Precinct, within the NSW Government's Regional Job Precinct (located in South Jerrabomberra) is a greenfield industrial business park adjacent to the Australian Capital Territory and an international airport. The Precinct will focus on defence, space, cybersecurity, and high-tech manufacturing businesses.

Key capabilities

- Access to a large, educated workforce (Canberra population of 452,000)
- 15 minutes from an international airport for export
- Satellite manufacturing facility funded by State and Federal Governments and Industry Partners
- Direct access to key logistics and freight options (road, rail)
- Competitive land costs – with buy or lease options tailored to the requirements of investors
- Education and research partnerships with the University of NSW and University of Canberra
- Large data centre in Stage One
- 1500 new residential blocks being built in South Jerrabomberra
- \$35M electricity upgrade currently underway for the Jerrabomberra area
- New Jerrabomberra High School site located within precinct
- Innovation Precinct (business park) complemented by 13ha Retail and Service Precinct
- Large industrial lots with a minimum lot size of 4,000m²
- Triple redundancy telecommunication networks including access to the Intra-governmental Communications Network
- Proximity to multiple research institutions – Universities, TAFEs and Colleges
- Close to decision makers (15 minutes from Canberra)
- One of four NSW Regional Jobs Precincts attracting State Government Support, including accelerated planning assistance and infrastructure support
- \$30M government investment for key infrastructure to supercharge the site
- A supportive and motivated local approval authority (Council)

Website investregional.nsw.gov.au

Contact
Liz Dixon
Deputy Director
M +61 429 314 229
E liz.dixon@regional.nsw.gov.au

Anna Wyllie
Director
M +61 491 978 772
E anna.wyllie@regional.nsw.gov.au



Image: Courtesy of Department of Defence

The Hunter region is the largest economy in regional NSW, contributing over A\$65B to the NSW economy. The Hunter has strengths across clean economy, aerospace, defence, tourism and mining. With its increased focus on the knowledge economy, a dynamic start-up sector has developed. NSW Government investment in infrastructure and the roll-out of Australia’s most sophisticated ‘Internet of Things’ platform across the Newcastle CBD facilitates future expansion.

Williamstown is home to Royal Australian Air Force (RAAF) Base Williamstown – Australia’s primary defence fighter base. It is a globally significant hub for defence, aerospace, advanced manufacturing, research and development to support the F-35 Joint Strike Fighter program. The RAAF Base is strategically located near the city of Newcastle and Port of Newcastle, it’s positioning facilitates access to domestic and global markets.

Newcastle Airport is adjacent to the RAAF Base and is a gateway for domestic and international trade for the Hunter and the wider region. The airport plays a crucial role in facilitating the movement of goods and services to support regional businesses. There is an upgrade to the terminal and runway to enhance the airport’s ability to cater for international flights and business. Newcastle Airport has also developed the Astra Aerolab Precinct as hub for the defence, space, cybersecurity, information technology, and scientific research sectors to collaborate, innovate and become more globally competitive.

The Hunter region is fast becoming a significant innovation hub for defence and aerospace work on 5th Generation fighting platforms and home to some of the largest defence primes and highly capable SMEs.

Key capabilities

- Home to fleet of F-35
- Existing airport and RAAF airbase providing direct access to runways, maintenance and support services
- Strong defence network within the Williamstown area – from airbase, training facilities, sustainment services
- High level of technically skilled workforce to support defence, aerospace and advanced manufacturing
- Anchor tenants and Defence Primes such as RAAF, BAE Systems, Boeing Defence Australia, Lockheed Martin, Northrop Grumman, Raytheon and Thales
- The University of Newcastle (a global top 350 university) and local TAFE campus provides access to a diverse talent pool and industrial research connections
- A new \$100m aircraft stealth-coating facility at the Williamstown Royal Australian Air Force base

Web investregional.nsw.gov.au/our-regions/hunter
hunterdefence.org.au

Contact **Derek Wong**
Business Development Manager
M +61 436 929 492
E derek.wong@regional.nsw.gov.au



Image: Courtesy of Department of Defence

Traditionally known for its world-class steel making and coal mining industries, the region's economy is today driven by the advanced manufacturing, ICT and professional services and defence sectors. The region's significant defence presence is anchored by the Australian naval aviation station HMAS Albatross and the Albatross Aviation Technology Park (AATP). Global prime contractors have established themselves at the AATP to service both HMAS Albatross and the national defence sector.

Renowned as Australia's centre for naval aviation, the Illawarra-Shoalhaven also has an extensive base of support businesses offering capabilities across joint domains in land, sea and air. The region is home to several defence companies employing a highly skilled workforce.

Key capabilities

- The University of Wollongong and local TAFE campuses provide access to a diverse talent pool and industrial research connections that drive leading edge innovation in defence technologies
- Albatross Aviation Technology Park (AATP) is designed specifically to support defence and aviation industries. The 35 hectare estate adjoins the airfield of HMAS Albatross and is connected by taxiways to the base
- Wollongong is an hour's drive south of Sydney and the international airport and will be readily connected with the new Nancy Bird-Walton airport in Western Sydney
- Proximity to defence facilities, including Garden Island, HMAS Albatross and HMAS Creswell
- Port Kembla, a deep-water port, provides businesses based in Wollongong with access to global markets and is situated five kilometres south of the Wollongong CBD
- Leading defence research and development organisations established by or in partnership with the University of Wollongong (UOW): DMTC, Smart Infrastructure Facility the Steel Research Hub and the UOW Institute of Cybersecurity and Cryptology
- Illawarra Innovation Industry Network (i3Net) is an organisation with an array of manufacturers, engineering service providers and industrial suppliers
- BlueScope master planning for 200 hectares (500 acres) of excess landholdings adjacent to the Port Kembla Steelworks

Web investwollongong.com.au/key-opportunities/defence
shoalhavendefence.com.au
business.shoalhaven.nsw.gov.au
i3net.com.au

Contact	Tony Dyer Economic Development Manager	Bron Hewson Economic Development Manager
	M +61 419 093 081	M +61 419 719 808
	E tony.dyer@regional.nsw.gov.au	E bron.hewson@regional.nsw.gov.au



Image: Courtesy of Department of Defence

NORTH COAST

The North Coast has numerous defence industry capabilities, in and around the towns of Yamba and Port Macquarie, supporting defence, government and commercial organisations in Australia and internationally.

The regions have developed a strong defence and maritime manufacturing base, particularly for small vessel and ship module construction as well as maintaining the Navy's fleet. NSW is the major supporter of the defence maritime sector, and the North Coast is a significant player within the NSW maritime ecosystem.

- Key capabilities**
- Small vessel design and manufacturing
 - Maritime sustainment and disposals
 - Advanced design, manufacturing and support of specialist defence products
 - Key Defence companies include:
 - Birdon – Top 20 Defence SME
 - Bale Defence
 - Yamba Welding and Engineering (YWE) – a subsidiary of Australian veteran owned watercraft manufacturer – The Whiskey Group

Web investregional.nsw.gov.au/regions/north-coast

Contact **Liesa Davies**
Economic Development Manager
M +61 417 651 985
E liesa.davies@regional.nsw.gov.au



Image: Courtesy of Birdon

Located in Southern NSW, the Riverina-Murray Region is one of Australia’s main food producing regions and a leader in advanced manufacturing. It has a significant defence capability located on main transport networks linking Brisbane, Melbourne, and Sydney.

The strategic location operates intermodal freight hubs and is home to military and specialised contract engineering with expertise in propellant and military explosive manufacturing. All three services support cadet training.

The Wagga Wagga Special Activation Precinct is home to the Army Recruit Training Centre Blamey Barracks, Kapooka and RAAF Base Wagga. It is also close to Mulwala, the primary centre for Australia’s explosive ordnance and munitions. Skilled labour is readily supplied through Charles Sturt University and a range of TAFE campuses.

Key capabilities

- Home to two business activation precincts – the Wagga Wagga Special Activation Precinct and the Albury Regional Jobs Precinct
- Military training
- Propellant and explosive manufacturing, and munitions disposal
- Specialist contract engineering
- Helicopter maintenance and component overhaul
- Targetry system design and manufacturing
- Alternators and portable power solutions, and armored vehicle kits
- Region includes Thales in Mulwala and BAE Systems at the RAAF Base Wagga
- Diverse range of advanced manufacturing and construction capabilities
- Highly skilled workforce
- Strong digital connectivity
- National freight corridors connect the region to ports and international airports in capital cities, and several intermodal freight hubs in the region
- Remote large open spaces ideal for developments in UAV and space testing facilities
- Lower cost of living than metro centres including economical, industrial and commercial land and thriving localised supply chains

Key programs

The Riverina Defence Redevelopment Program will see the large-scale redevelopment of three key Defence Training Bases located in the Riverina Murray. The approximately \$1.3B seven-year program will see the construction of infrastructure and facilities at RAAF Base Wagga, Blamey Barracks (Kapooka) in Wagga Wagga, and the Albury Wodonga Military Area.

Web

drma.com.au
investregional.nsw.gov.au/our-regions/riverina-murray

Contact

Debbie Lane
Business Development Manager

M +61 417 362 509
E debbie.lane@regional.nsw.gov.au

Serena Hardwick
Strategic Partnerships Manager

M +61 490 125 443
E serena.hardwick@businessnsw.com



Image: Courtesy of Department of Defence

Sydney, the capital of NSW, is Australia's largest city and economic leader. Sydney is home to 600 regional headquarters of multinational companies, including digital technology giants such as Google, Microsoft, and Amazon. The city also hosts nearly half of the top 600 large enterprises in Australia, including Atlassian.

The Tech Central Precinct in the heart of Sydney is home to some of Australia's most exciting start-ups and innovative institutions. It brings together the brightest minds to solve our society's great challenges, creating the technologies that will power the future. Tech Central Precinct supports new and emerging industries with business models based on new technologies like artificial intelligence, or business needs like cybersecurity.

Key capabilities

- World-class universities with active defence and space programs including:
 - Australian Centre for Field Robotics – The University of Sydney (USYD)
 - Training Centre for CubeSats, UAVs, and Their Applications (CUAVA) – USYD
 - Australian Centre for Space Engineering Research (ACSER) – University of NSW (UNSW)
 - Defence Research Institute – UNSW
 - Defence Innovation Network
 - Space Research Network
- Sydney is also home to:
 - Cicada Innovations – Deep tech incubator
 - National Space Industry Hub
 - Defence Science Technology Group
 - World-leading research hospital
 - Over 100 research institutes and centres of excellence.
 - Tech giants, frontier start-ups, ambitious students, pioneering academics, creatives, developers, and scientists
 - Tech Central offers up to 250,000 square metres of space for technology companies, including 50,000 square metres at affordable rates for start-ups and scale-ups, in a connected location brimming with heritage, culture and activity

Web	tc.sydney
Contact	Ria Bairstow Tech Central E ria.bairstow@gsc.nsw.gov.au



Image: Courtesy of Department of Defence

The Western Sydney Aerotropolis, being developed by The Western Parkland City Authority, has an established defence presence with several Australian Defence Force bases, personnel, and facilities located across the region. The prime contractors, co-located in Defence bases and facilities in the region, are supported by Australia’s deepest supply chain of specialist SMEs in defence and adjacent industries, located across Western Sydney, Australia’s high tech industrial heartland.

The Bradfield City Centre, Australia’s new hub for sovereign capability in defence, space and aerospace, will incorporate a national security quarter that will strengthen NSW’s existing defence sector ecosystem, complementing established and growing capabilities in greater Sydney and across the region.

The NSW Government is establishing the Advanced Manufacturing Research Facility to support industry innovation, collaboration and growth across Western Sydney. Located within Bradfield, the AMRF will be a shared-use facility providing industry-partners with cutting-edge capability in areas such as advanced electronics, radio and radar technology, composite manufacturing, and additive manufacturing. This cornerstone investment by the NSW Government, will support the growth of Bradfield as Australia’s newest hub for sovereign industrial capability, while providing unprecedented opportunities to expand and assure the defence supply chain. The AMRF will be positioned adjacent to the CSIRO and several major universities, establishing a multi-varsity footprint at the Aerotropolis.

- Key capabilities**
- Royal Australian Air Force Base Richmond
 - Royal Australian Air Force Base Glenbrook
 - Liverpool Military Area, with significant army presence at Holsworthy and Moorebank
 - Defence Establishment Orchard Hills
 - Advanced Manufacturing Research Facility (AMRF) operational in 2024

Web wpca.sydney

Contact	Sean Oke Senior Associate	Steve Milanoski Director, Manufacturing Technology (AMRF)
	M +61 447 418 338	M +61 410 882 895
	E Sean.Oke@wpca.sydney	E steve.milanoski@wpca.sydney



Image: Courtesy of Western Parkland City Authority

NSW Government Stand Industry Exhibitors

NSW supports an incredibly diverse network of defence and aerospace industry, academics, entrepreneurs and innovators. From integrators and manufacturers of complex defence, aerospace and security systems to specialists in sensor enhancing technologies, NSW industry exhibitors offer a wide range of services and capabilities in the defence and aerospace sector.

The following pages highlight the capabilities exhibiting on our stand, a small cross section of NSW companies that demonstrate the strengths and opportunities present in the NSW defence and aerospace industry.



Image: Courtesy of Department of Defence

CAPABILITIES

COMPANY NAME	PAGE	Engineering (systems and integration)	Software, IT security, data, sensors, AI and ML	Manufacturing, design, prototyping production	Business management (asset, project, financial, risk, compliance and governance, safety)	Installation and maintenance, acquisition and sustainment, surveillance and Inspections	R&D, test, trial and evaluation, assessment, certification	Consulting and advisory	Transport and logistics	Infrastructure	Education and training	Advanced material
ADROITA	32	●			●			●				
Advanced Navigation	34	●	●	●		●	●					
Amalgamation Pty Ltd	36				●			●				
Ampcontrol	38	●		●			●			●		
Anchoram Consulting	40				●		●	●				
ANSTO	42	●	●		●		●	●			●	●
Arex Precision	43	●		●			●					
Astra Aerolab	44								●			
Ausbright	45	●				●	●	●				
Baker & Provan	46	●		●		●						
Beca	48	●	●		●	●	●	●	●	●		
Bellinger	50	●		●		●	●					
BlueCats	52		●		●			●				
BPS Defence	54				●			●				
Cadpro	56		●	●				●				
Callington	58			●								●
Chess Engineering	60	●		●		●	●	●				●
Chillflow Solutions	61			●	●	●					●	
CNS Precision Assembly	62			●			●					
Contactile	63	●	●	●			●					●
Control Synergy Pty Ltd	64		●			●						
CORAS	66				●	●		●				
CruxML	68	●	●	●			●					
CST Composites	70			●			●					●
Cuvos	72	●	●			●						
Defence Innovation Network -Under UTS	74	●	●	●			●				●	
DroneShield	76		●	●			●	●				
Eartheye Technologies	78		●									
FAVCOTE	80					●						●
Forcys	81	●	●	●			●	●				
GME Pty Ltd	82					●						
Goal Group	84		●		●			●			●	
GPC Electronics	86	●		●			●	●				

CAPABILITIES

COMPANY NAME	PAGE	Engineering (systems and integration)	Software, IT security, data, sensors, AI and ML	Manufacturing, design, prototyping production	Business management (asset, project, financial, risk, compliance and governance, safety)	Installation and maintenance, acquisition and sustainment, surveillance and Inspections	R&D, test, trial and evaluation, assessment, certification	Consulting and advisory	Transport and logistics	Infrastructure	Education and training	Advanced material
Halliday Engineering	87	●		●		●						
Harry West Flags	88			●								
Hullbot	90		●	●		●	●					
Hunter Defence	92	●	●	●	●	●	●	●	●	●	●	●
Hypersonix Launch Systems	93	●		●			●					
Illawarra Shoalhaven Regional Defence Network	94	●		●	●	●	●	●	●	●	●	●
Lancelin Pacific	95			●				●				
Lawforce Alpha (Von Muenster)	96				●			●				
McConaghy Australia	98			●		●						●
Mellori Solutions Pty Ltd	99	●			●		●	●			●	
Mercury	100		●				●	●				
Metakosmos	101	●	●	●								●
NSW Cyber Business Exchange	102				●			●				
MI-GSO Pcubed	103				●			●			●	
Opie Manufacturing Group Pty Ltd	104	●		●								●
Reach Robotics	105	●	●	●		●	●					
Ron Allum Deepsea Services Pty Ltd	106	●		●		●	●	●				
SAPIENT Advanced Technologies Pty Ltd	107	●	●	●		●	●					
SOTO Consulting Engineers	108	●					●	●		●		
Stella Engineering	109	●		●			●					
Sydney City Marine	110	●				●		●				
Systecon	111		●		●			●			●	
Thomas Global Systems	112	●	●	●	●	●	●	●				
Tracey Brunstrom & Hammond (TBH)	114				●			●				
Varley Group	116	●	●	●	●	●	●		●	●		
Vault Cloud	118	●	●		●							
Viper / Lubrication Engineering	119			●								



ADROITA is a rapidly growing, female-led, veteran-owned and operated firm that provides engineering and other professional services to the Australian Department of Defence and government agencies in Australia, and business strategy and advisory services to businesses that want to grow their offering and revenue in the Australian defence sector. ADROITA has been operating for over 7 years.

Products and services	<p>ADROITA provides services in five key areas:</p> <ul style="list-style-type: none"> • Strategic advisory to Australian and international mid-market businesses seeking to grow their offering in the Australian Defence sector. • ADROITA Gateway- In-country agency and co-working services for like-minded AUKUS partners • Engineering and other professional services for the Department of Defence and Australian government agencies • Complex combat systems integration engineering and technical services • Artificial intelligence and machine learning-enabled decision support to assist customers with complex planning, scheduling and decisions.
Discriminators	<ul style="list-style-type: none"> • ADROITA is trusted to deliver by Australian Department of Defence business units, with demonstrated experience in maritime, joint and land acquisition and sustainment programs; with specialist knowledge in capability transition and introduction into service, weapon system sustainment, through life support, combat systems and integration engineering, warship upgrade, missile systems test and evaluation, flight testing, and Usage and Upkeep Cycle modelling and optimisation. • ADROITA's Advisory team has a proven track record in unlocking the potential of Australian and international manufacturing, technology and services businesses to service the defense sector in Australia, fast tracking growth and revenue. • In-depth knowledge of the Australian Department of Defence and industry ecosystem in Australia, including capability limitations in the industry base to acquire, build, maintain.
Capabilities	<ul style="list-style-type: none"> • Strategic Business Advice and Networking • Systems Engineering Services • Specialist Defence Engineering Services • Program, Product and Project Management • Contracting and Contract management and Support • Asset Management • Risk Management • Compliance and Assurance • Test and Evaluation • Safety Management and Assurance

Key customers, partners and suppliers	<ul style="list-style-type: none"> • Australian Department of Defence • Royal Australian Navy • Australian Army • Naval Shipbuilding and Sustainment Group • Capability Acquisition and Sustainment Group • Kellogg Brown and Root (KBR) • Jacobs • Downer Group • University of NSW 	<ul style="list-style-type: none"> • University of Adelaide • University of Sydney • GME Pty Ltd • United Machinists • Halliday Engineering • Chillflow Solutions Australia • PARTNERSHIPS (Consulting) • BecTech LLC • Australian Missile Corporation • University of NSW @ ADFA
Quality standards and accreditation	<ul style="list-style-type: none"> • Progressing ISO9001 accreditation • Progressing ISO55000 accreditation • Progressing ISO27001 accreditation • Australia-US Defence Trade Cooperation Treaty – Australian Community Member • Defence Industry Security Program • Approved Supplier – Australian Department of Defence • Approved Supplier – Defence Support Services Panel 	<ul style="list-style-type: none"> • Approved Supplier – Defence Innovation Science and Technology Panel • Member – Veteran's Employment Program • Board Director – Australian Industry & Defence Network • Board Director – Submarine Institute of Australia • Member – Association of Old Crows
Contact	<p>Neville Teague General Manager M +61 432 782 759 E operations@adroita.com.au</p>	
Web	<p>adroita.com.au</p>	



Advanced Navigation is the world’s most determined innovator in AI robotics and navigation technologies. By leveraging its capabilities in AI neural networks and deep learning algorithms, each solution delivers unparalleled capabilities and exceptional performance across land, air, sea and space applications. Founded on a culture of research and discovery, Advanced Navigation’s mission is to be the catalyst of the autonomy revolution.

Products and services	<ul style="list-style-type: none"> • MEMS IMU • FOG IMU • MEMS GNSS/INS • FOG GNSS/INS 	<ul style="list-style-type: none"> • Satellite Compass • Micro AUV • Drone Fleet Management • Acoustic Navigation Solutions
Discriminators	<ul style="list-style-type: none"> • Greater mission endurance due to demonstrated reductions in size, weight, power and cost (SWaP-C) compared to industry equivalent systems. • High accuracy dead-reckoning positioning 	
Capabilities	<p>Advanced Navigation was founded in 2012 to commercialise research on AI-driven inertial navigation. Since then, the company has experienced great success and progressed into several deep technology fields, including underwater acoustics, MEMS and Digital Fibre-Optic Gyroscope (DFOG) inertial sensors, GNSS antennas and receivers, radio frequency systems, robotics, and quantum-enhanced inertial navigation.</p>	
Key customers and partners	<ul style="list-style-type: none"> • Rheinmetall • Leonardo • General Motors • Raytheon • Ford • Thales • Airbus 	<ul style="list-style-type: none"> • Boeing • Tesla • Lockheed Martin • Fugro • NASA JPL • Google • Apple
Key suppliers	<ul style="list-style-type: none"> • Trimble • Ublox • KVH 	
Quality standards and accreditation	<ul style="list-style-type: none"> • ISO 9001:2015 certified • IATF 16949:2016 planned 2023 	
Contact	<p>Tim Laws Technical Sales Manager E tim.laws@advancednavigation.com</p>	<p>Vito Guarrera Head of Sales – APAC/ANZ E vito.guarrera@advancednavigation.com</p>
Web	<p>advancednavigation.com</p>	



Image: Courtesy of Department of Defence



AMN is an ISO accredited, NSW-based SME, providing Strategic Advisory, Transformation and Delivery Management services in the Government, Commercial, Telco and Critical Comms sectors. Our client base encompasses government agencies, telecommunications operators, infrastructure companies, equipment manufacturers and SW developers across multiple industries. Our mission is to be the default partner of choice for the trusted provider of reliable advice, realisation of transformational objectives and assured program delivery and governance.

Products and services AMN has developed a team framework that draws upon experiences gained in multiple industries, from the client and supplier perspectives and within government and critical communications environments. The team brings unique perspective and valuable insights into the relationships, capabilities, governance structures and systems that make for successful programs, partnerships and outcome-based service delivery.

Discriminators AMN's biggest differentiator is its powerful blend people, culture and leadership, which comprises senior executives from the industry with deep global and regional experience across technology, operations, business management, commercial performance, sales and market development, outsourcing and managed services leadership.

AMN is called upon for some of the most complex and influential initiatives - to bring the leadership, guidance and experience to ensure successful transformations and program delivery in multi-party environments.

Capabilities AMN's 6-phase methodology is a core capability element of its delivery of services. This in-house methodology incorporates concepts from LEAN and AGILE thinking and enables AMN to tailor a solution and drive improvements with a targeted and pragmatic approach in any scenario, whilst enabling continuous improvement and optimisation opportunities.

- Key customers, partners and suppliers**
- NSW Government – Telco Authority – Critical Communications Enhancement Program (CCEP) – AMN has been accountable for the delivery of CCEP Construction, Network Integration and Operational Acceptance since commencing Q3 2018
 - NSW Government – Telco Authority – Operations and Maintenance (O&M) – AMN has provided strategic advisory services as part of the Transformation program
 - Telstra Purple – Tasmanian Government Radio Network – AMN provides support in service delivery management, testing, scheduling and reporting
 - NSW Government – eHealth – Digital Health Facilities Portfolio – AMN has developed the e-2-e transition model to support ICT infrastructure migration
 - NSW Government & National – Public Safety Mobile Broadband – AMN provided consultation and stakeholder management across federal government and all other state government and territories on behalf of NSW TA SMEs where applicable.

Quality standards and accreditation AMN is an ISO accredited company across Quality Management, Environmental and Occupational Health and Safety with ISO 9001, 14001 and 45001 accreditations.

Contact **Gareth Rumbelow**
EO and Managing Director
M +61 450 157 961
E gareth.rumbelow@amalgamation.com.au

Web amalgamation.com.au



Ampcontrol is an Australian company with 50 plus years of experience in providing integrated solutions suitable for hazardous and critical environments, including naval defence industries and military bases. Ampcontrol has a mature solution-based approach to supporting its clients, bringing together a wealth of experience and expertise from across multiple disciplines to help solve industry issues and provide services, often in remote areas and in extreme working conditions.

Products and services	<ul style="list-style-type: none"> • Micro-grid technologies for power • Water purification • Hydrogen power for off-grid solutions • Hybrid propulsion systems
Discriminators	<p>Ampcontrol's national footprint and its services and capabilities are well aligned to Defence, and it is able to contribute to the Australian Defence sector from almost all areas of the business.</p>
Capabilities	<ul style="list-style-type: none"> • Power Infrastructure, design and advanced manufacturing capabilities • Critical and Remote Energy Solution and servicing capabilities • Communication, monitoring and Control • Renewable and Net Zero Innovations • Electrification and E-Mobility • Protection Solutions and Power quality monitoring and improvement • Lighting • Automation and System Integration • Cable supply, Services and Solutions
Key customers, partners and suppliers	<ul style="list-style-type: none"> • Australian Submarine Corp – RAN Collins Class submarines • Royal Australian Navy – FBE Garden Island • Royal Australian Navy – FBW Garden Island • Royal Australian Navy – HMAS Canberra and HMAS Adelaide • RAAF Darwin, NT, RAAF Williamtown, NSW and RAAF Edinburgh, SA • RAAF Berrimah, RAAF Curtin, RAAF Salisbury, RAAF Holtze, RAAF Learmonth • THALES, Babcock – service partner • BGIS – service partner
Quality standards and accreditation	<ul style="list-style-type: none"> • ISO 9001 JAS-ANZ • ISO 14001 JAS-ANZ • ISO 45001 JAS-ANZ
Contact	<p>Rohit Sandlesh Business Manager P +61 2 9620 9600 E Rohit.Sandlesh@ampcontrolgroup.com</p>
Web	<p>ampcontrolgroup.com</p>



Image: Courtesy of Department of Defence



Anchoram is a contemporary veteran owned and run firm that has been delivering professional services with Integrity, Empathy, Authenticity, and Professionalism since 2019. We are a partnership of trusted experts, experienced in Defence and National Security, with strong capabilities across Security, Strategy and Operations Business Services, Technology, Risk Assurance, Data Management, Financial Management, Governance, Training, and Project Management.

Products and services

Integrated Security Services:

- Defence Industry Security Program (DISP) application support services
- Security Officer as a Service (SOaaS) for Defence Industry
- Critical Infrastructure Services

Strategy and Operations Business Services:

- Supply Chain Risk and Threat, Security, Strategy and Optimisation Services
- Procurement and Commercial Services

Technology Consulting Services:

- Enterprise Architecture Services
- ICT Strategy Services Enterprise Data and Information Management Services

Capabilities

- | | |
|----------------------|--------------------------------|
| • Security | • Data Management |
| • Strategy | • Financial Management |
| • Technology | • Governance |
| • Project Management | • Operations Business Services |
| • Risk Assurance | • Training |

Key customers, partners and suppliers

- | | |
|---------------------------------|---|
| • Australian Government Defence | • Australian Government Department of Home Affairs |
| • Hanwha Defense Australia | • Australian Government Digital Transformation Agency |
| • DG Air Freight | • Australian Government |
| • Av-Comm Space and Defence | • Civil Aviation Safety Authority |
| • Cleard Life | • National Blood Authority |
| • Terra TEC | • Australian Centre for International Agricultural Research |
| • National Library of Australia | |
| • i3net | |
| • NDIS | |

Quality standards and accreditation

- NSW Security Consultant (Class 2A) Licensed
- QLD Security Advisor (Class 2) Licensed
- NSW Master Security License – 000107778
- Registered IRAP Assessor
- ISO 27001 Lead Auditor
- SABSA Security Architect
- IEC 62443

Contact

Craig Petrie
Lead Partner Integrated Security Services
M +61 478 000 313
E craign.petrie@anchoramconsulting.com.au

Web

anchoramconsulting.com.au



ANSTO leverages great science to deliver big outcomes. We partner with scientists and engineers and apply new technologies to provide real-world benefits. Our work improves human health, saves lives, builds our industries and protects the environment. Our vision: Nuclear Science and Technology for the benefit of all Australians.

Products and services	ANSTO is the home of Australia's most significant landmark and national infrastructure for research including the Australian Synchrotron; the Australian Centre for Neutron Scattering; and the Centre for Accelerator Science. Our people, experience and collaborations in materials and manufacturing research make us an effective partner for innovation in defence and space.
Discriminators	<ul style="list-style-type: none"> • Internationally recognised research expertise and unique facilities • Materials experience from 50+ years of nuclear research • Specialist radiation-based services and products • CORIS360® System for radiation imaging
Capabilities	<p>Characterisation, development and modelling for:</p> <ul style="list-style-type: none"> • Advanced materials and coatings (metals, ceramics, polymers) • Additive manufacturing including: <ul style="list-style-type: none"> – High resolution X-ray and neutron imaging / tomography – Mapping of elemental, chemical and crystalline distribution • Residual stresses and welding • Blast / impact performance • Hot Isostatic Pressing • Radiation hardness in electronics
Key customers, partners and suppliers	<p>In addition to organisations such as the CSIRO, DST Group, and the New Zealand Synchrotron Group, over 30 Australian Universities are affiliated with ANSTO facilities. More than 200 International and Australia-based companies have made use of these facilities both via government-funded and commercial fee for service programs.</p>
Quality standards and accreditation	<ul style="list-style-type: none"> • ISO 9000: 2015 (Quality) • ISO 45001 : 2018 (OH&S) • ISO 14001 : 2018 (Environmental) • Licensed with ARPANSA (Australia's only nuclear operator) • Regulated by TGA and FDA (medical isotopes)
Contact	<p>David Cookson Commercial Technical Consultant</p> <p>P +61 3 8540 4101 E david.cookson@ansto.gov.au</p>
Web	ansto.gov.au



Arex is a 100% Australian engineering company, with over 30 years' experience, offering competitive advantage design and manufacturing services to the Defence Industry Complex CNC 5 axis automated machining capabilities. 3D, CAD, FEA, POLYWORKS Engineering Software. Rail, Mining, Power transmission, Engineering Design and Defence. Full traceability and QA compliance -AS9100D Certification pending. DISP Approved – Arex is committed to become your advanced industrial defence manufacturing partner.

Products and services	Arex can provide a wide range of advanced manufacturing services and industrial support to defence companies participating in global supply chains
Discriminators	<ul style="list-style-type: none"> • 5 Axis CAM with integrated data transfer system • Specialist Q & T steel techniques • Mechanical design in mining and rail • Reverse engineering • 7m climate-controlled paint booth
Capabilities	Arex is equipped with a suite of modern manufacturing assets, a highly skilled workforce, consisting of Mechanical Engineers, CNC Machine programmers, CNC Machine operators, Fabricator welders and Painters. Arex intends to be your partner for defence, by actively attracting talent who are focused and dedicated to the tasks. Arex provides an environment and culture where people can grow and be rewarded for their efforts. Arex will continue to invest as needed to bring our competitive advantages to the sector where opportunities arise.
Key customers, partners and suppliers	<p>RAAF – Williamtown NSW – Static Aircraft Tie Down Points</p> <p>A static dependable and durable tie down fixing system made from marine-grade materials for navy ship helicopter decks</p> <p>W & E Platt & Arex</p> <p>Gun Mounts, blast attenuators, gunner foot stands, weapon sight brackets, 50 calibre ammunition feed chutes, grenade launchers, swing mount shield brackets.</p>
Quality standards and accreditation	<ul style="list-style-type: none"> • ISO9001-2015 • Welding Certifications AS1554-2014 – Steel, Stainless, alloys. • Welding Certifications AS4041-2006 – Pre and Post weld heat treatment • Full MDR Available. • DISP Approved. • AS9100D Certification Pending
Contact	<p>Mitchell Heffernan Managing Director</p> <p>P +61 2 4677 2613 E accounts@arex.com.au</p>
Web	arex.com.au



Astra Aerolab is a defence and aerospace precinct co-located with expanding Newcastle Airport. Both owned jointly by Port Stephens Council and the City of Newcastle. Directly adjoining RAAF Base Williamtown, the vision of Astra Aerolab is to create the world's most uplifting defence and aerospace precinct.

Astra Aerolab provides the opportunity for partners to immerse themselves in NSW's primary thriving, defence, and aerospace ecosystem at Williamtown. It encompasses Defence primes - BAE Systems, Lockheed Martin, Boeing and Raytheon and many significant SMEs. It will co-exist with Australia's leading commercial airlines and industries of the future, including STEM-related research facilities, advanced manufacturing, freight, and logistics.

Products and services	<p>Astra Aerolab provides accommodation solutions within our innovation aerospace precinct for Defence Primes, SME's and the ADF for workforce and support, maintenance, and ancillary activities.</p> <p>Astra Aerolab aims to be the world's most uplifting defence, aerospace, and innovation precinct - a powerful activation of human potential. It's where world leading defence, research, aerospace, and industry partners converge to elevate performance.</p> <p>Directly adjoining Newcastle Airport and RAAF Base Williamtown, Australia's largest fast jet fighter base and home to the next generation F-35A Joint Strike Fighter, Astra Aerolab is located in the epicentre of Williamtown's thriving, defence and aerospace ecosystem.</p>
Capabilities	<ul style="list-style-type: none"> • Development ready • Agile collaboration to define end users' accommodation requirements • In-house project management • Innovation • Sustainability • Connectivity through the co-located Newcastle Airport to domestic and future international routes.
Key customers, partners and suppliers	<ul style="list-style-type: none"> • Commonwealth of Australia / Department of Defence – Co-located. • Established F-35A JSF facilities and currently being developed. • Ongoing discussions with Boeing Defence Australia, Lockheed Martin and Kongsberg Australia. • SMEs. Multiple accommodation options proposed including multi-tenanted office, hybrid industrial, build-to-order facilities aligned to key tenants' accommodation requirements.
Contact	<p>Rob Green Executive General Manager Property</p> <p>E +61 418 453 8471 E rgreen@newcastleairport.com.au</p>
Web	astraerolab.com.au



Ausbright specialises in providing expert maritime electrical services and engineering solutions for the Defence Industry. With more than 17 years of experience, Ausbright proudly represents an Australian Sovereign Capability in the Maritime Sector, while maintaining an unwavering commitment to safety and best practice.

Products and services	<p>The Ausbright team is experienced in all aspect of maritime electrical and electronic solutions, covering areas such as; sustainment and planned maintenance, platform upgrades and commission, equipment troubleshooting and repairs. Our core team consists of 20 highly qualified marine electricians, bolstered by an in-house engineering consultancy of marine and electrical engineers.</p>
Key distinctions	<p>Ausbright is a well-resourced, bi-coastal team. We have the capability to conduct concurrent projects across the country, along with the mobility to provide urgent defect (URDEF) rectification and support to the Fleet while deployed under Government directives.</p> <p>As a veteran run business, we are proud to support Veterans Employment and many of our staff are ex-service men and women.</p>
Capabilities	<p>Marine electricians with experience in:</p> <ul style="list-style-type: none"> • Switchboard servicing; clean, inspect, switchgear test, upgrades. • Power generation; maintenance, testing, load bank trials. • Cable installation, termination. • Fibre optic installation termination, testing, repair. • Milspec Connector termination. • Sensor calibration and verification. <p>Detailed Engineering Solutions</p> <ul style="list-style-type: none"> • Switchboard and Switchgear upgrades • Electrical Maritime Platform Integration; cable selection, cable routing. • Electrical load analysis.
Quality standards and accreditation	<ul style="list-style-type: none"> • Veterans' Employment • Accredited master Electrician • TQCSI Yaran Safety Certified • TQCSI Yaran Quality Certified • Australian Industry & Defence Network NSW
Contact	<p>Mark Ottaway Managing Director</p> <p>M +61 433 041 628 E mark@ausbright.com.au</p>
Web	ausbright.com.au



BAKER & PROVAN

Baker & Provan is an Australian family owned, heavy engineering company with capabilities in design, fabrication, machining and assembly of mechanical and hydraulic equipment for Defence and Industry. Baker & Provan has provided mechanical and hydraulic servicing for RAN mechanical equipment such as davits, boat cranes and winches since 1989 and has been serving industry since its establishment in 1946. Baker & Provan is located in western Sydney and has grown to 90 employees, including several apprentices across various trades.

Products and services Baker & Provan's offers custom design and manufacture of mechanical and hydraulic equipment for Defence, including shock rated solutions, such as cranes, boat davits, winches and other mechanical equipment.

Discriminators What makes Baker & Provan unique is its extensive Defence experience coupled with small to very large fabrication and CNC machining capabilities, while offering design, manufacture, assembly, onsite and workshop through life support and upgrade of mechanical equipment for Defence mechanical and hydraulic equipment.

Capabilities Baker & Provan has a large engineering workshop in western Sydney with 6500m² under roof, with a team of 70 in Sydney and 20 in Henderson, WA. Baker & Provan's workshop capabilities include 18 CNC machines, with 10 overhead cranes, with the largest machines being a 12 metre CNC horizontal borer and a 17-metre lathe.

This uniquely large engineering capability is coupled with an extensive experience in multiple RAN and Australian Army Defence projects, including configuration management and through life support of RAN custom designed and built products

Facility security accredited with DISP, ITAR procedures and handling in place.

- Quality standards and accreditation**
- ISO 9001:2015 – Quality Management Systems
 - ISO 45001 - Occupational Health and Safety Management Systems
 - Lloyds Register Approved – Maintenance and service of marine cranes and davits
 - NATA Accreditation - Inspection of lifting and lifted equipment

Contact **Steve Zakaria**
Sales Manager
P +61 2 8801 9000
E steve.zakaria@bakerprovan.com.au

Web bakerprovan.com.au



Image: Courtesy of Department of Defence



Beca is one of Asia Pacific's largest, most innovative and progressive employee-owned professional services consultancies, offering market leading advisory, engineering, design and delivery services. Today we are 4,000+ professionals spread across more than 25 offices in the Asia-Pacific region. Beca has been delivering across Australasia for over 100 years, including 50 years working with the Australian and New Zealand Defence Forces. We have significant capability, working across 70 disciplines on 8,000 active projects that span every sector from Defence and National Security, Airports, Transport and Infrastructure to Utilities, ICT, Simulation and Aerospace

Products and services

Our experts combine technical advisory, design engineering, asset management, and project management skillsets to produce actionable outcomes. Unlike static solutions, we partner with clients to craft sustainable, pragmatic, and tangible results. Our Defence and National Security business delivers professional services in project management, systems engineering, engineering operations and maintenance, integrated logistics support, data management and assurance plus a range of other technical and advisory disciplines. Beca is an established developer of safety and mission critical software in the defence sectors. As a Design Organisation we are accredited for the development of software and electronic hardware, priding ourselves on industry leading solutions for our clients. Our aim is to continue as a trusted partner to Defence and National Security agencies, through our client-centric approach and sovereign capability, and whilst encouraging innovation and leadership.

Discriminators

Full Capability Lifecycle Business: Dedicated Defence team serving the Royal Australian Navy (RAN), Capability Acquisition and Sustainment Group (CASG) and Security and Estate Group (SEG), as well as the New Zealand Defence Force (NZDF) and New Zealand Ministry of Defence (MoD).

Reinvestment into true Sovereign Capability: As one of the few privately employee-owned Australian companies supporting Defence, Beca reinvests dividends back into the community. This reinvestment includes funding Research and Development (R&D) initiatives and strengthening Australian Industry and Defence capability.

System certification and Assurance: We have extensive experience in the development, integration and certification of sensors, systems and data into complex military assets. We hold design authority and certification in high assurance, mission critical systems development.

iDiC Partnership: Beca has formed a strategic partnership with the Indigenous Defence and Infrastructure Consortium (iDiC). This partnership enables us to participate in long-term nation-building projects and meet Indigenous Procurement Policy (IPP) and Australian Industry Capability (AIC) requirements.

Capabilities

Our services include:

- Systems engineering and integration
- Safety and mission critical systems and software engineering
- Program/project management
- Asset management
- Technical compliance assurance and audit
- Engineering design, maintenance and operations
- System safety case, autonomous systems, system verification and validation
- Integrated logistic support
- Engineering operations and maintenance
- Defence data management and assurance
- Integrated logistics support
- Synthetic training device development and simulator through life support
- Novel and advanced technology implementation
- System performance testing and evaluation
- Regulatory compliance
- Civil and military accredited software and electronic hardware development

Key customers, partners and suppliers

Overseas OEM Partners / Customers

- Babcock International NZ
- Fluidmechanica
- Foure Lagadec
- Jered LLC
- Pellegrini

Defence

- ASC
- Babcock International
- BAE Systems
- Department of Defence
- Naval Ship Management
- Thales Australia

Quality standards and accreditation

- ISO 9001:2015
- ISO 14001:2015
- ISO 27001:2013
- ISO 45001:2018
- ISO 19650 Business Management System (BMS)

Contact

David Barter
Business Director – Defence and National Security

M +61 418 920 365

E david.barter@beca.com

Website

beca.com



With a history dating back to 1967, Bellinger is an established Australian Industry Capability (AIC) providing a diverse range of design, manufacture and in-service support activities on Defence systems and equipment. Bellinger has extensive experience in installation, including racking and cabling in both on-shore and ship-based environments. We design custom interface and remote-control systems and equipment to allow interoperability of systems.

- Products and services**
- Design and manufacturing
 - Reverse engineering
 - Installations and upgrades
 - Repair and overhaul
 - Calibration and supply

- Discriminators**
- Agility and flexibility to adapt to changing circumstances and requirements
 - A broad range of skills and the ability to pull them together to provide innovative solutions
 - Reduce customer costs of maintaining systems by repair instead of replacement
 - Support of equipment completed locally, saving turn-around time, freight costs and eliminating the risk of exporting equipment overseas
 - Well established traceable parts supplier network enabling us to locate hard to find items
 - ITAR experienced with processes in place for ITAR items and documentation
 - Processes for importing and exporting Defence items reducing delivery delays

Capabilities

Our experience in installing trial systems in various environments has given us the ability to quickly react to unexcepted circumstances and rapidly changing environments in the field.

Our Sydney based workshop is equipped with a large range of test equipment that enhances our staff's ability to repair to component level, test and calibrate a wide variety of equipment. This allows in country support of a wide range of equipment reducing cost and turn-around time.

We are a Defence Industry Security Program (DISP) member, meeting every obligation to protect our people, assets and customers products.

Equipment Supported: RF, Communications and Navigation Equipment, C4ISREW, IFF System Equipment, Radar / Sonar systems, Link 11/16/22, Power supplies / Inverters / UPS's, Circuit Card Assemblies, Control and monitoring instrumentation.

- Key customers, partners and suppliers**
- Australian Submarine Corp – RAN Collins Class submarines
 - Royal Australian Navy – FBE Garden Island
 - Royal Australian Navy – FBW Garden Island
 - Royal Australian Navy – HMAS Canberra and HMAS Adelaide
 - RAAF Darwin, NT, RAAF Williamtown, NSW and RAAF Edinburgh, SA
 - RAAF Berrimah, RAAF Curtin, RAAF Salisbury, RAAF Holtze, RAAF Learmonth
 - THALES, Babcock – service partner
 - BGIS – service partner

- Quality standards and accreditation**
- AS/NZS ISO 9001:2015
 - DISP Membership
 - US Trade Treaty Member

Contact

David Hartshorne
GM
P +61 2 9684 1424
E dave@bellinger.com.au

Website bellinger.com.au



BlueCats' mission is to enable efficient compliance. We hate paper. We love digitisation. We are a Sydney based, 100% Australian owned company.

Products and services	OneTag is a software solution that has digitised isolation management during maintenance at sea and alongside for the Royal Australian Navy.
Discriminators	<ul style="list-style-type: none"> • 100% compliance with Naval policy • INCREDIBLE amounts of time saved (no paper admin) • Unprecedented LIVE visibility of status during maintenance • Knowledge retention and transfer • Fully functional alongside and at sea
Capabilities	<ul style="list-style-type: none"> • We like to genuinely understand problems • We deliver tangible outcomes • We eliminate friction where possible • We are responsive • We are available
Key customers, partners and suppliers	<ul style="list-style-type: none"> • Royal Australian Navy • Thales • Safety Direct Solutions • High Calibre Creative • Lenovo
Quality standards and accreditation	<ul style="list-style-type: none"> • ISO 27001 • DISP Accreditation • NV1 Security clearances
Contact	<p>Nathan Dunn CEO</p> <p>E nathan.dunn@bluecats.com</p>
Website	bluecats.com

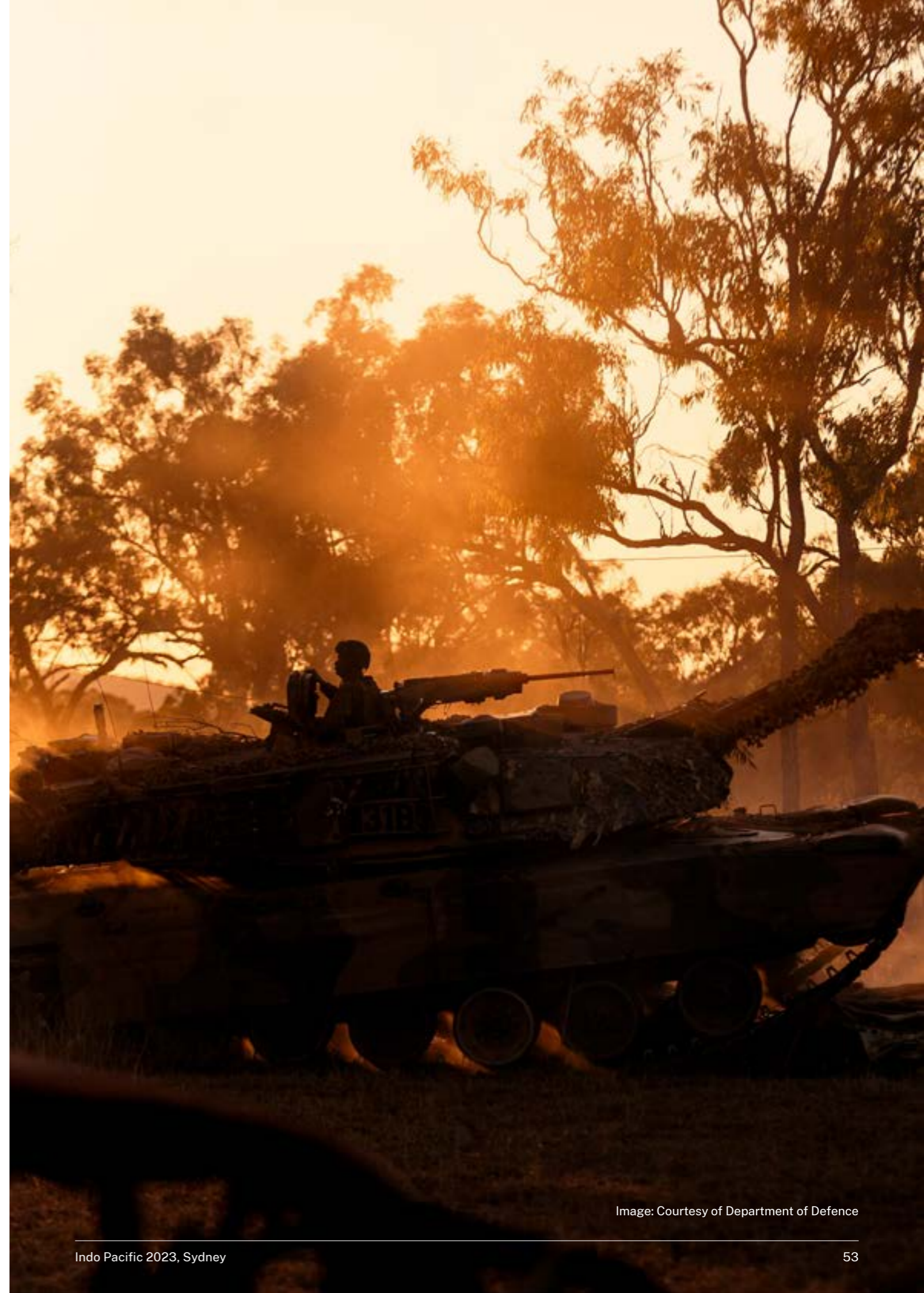


Image: Courtesy of Department of Defence



BPS Defence is a project delivery services company to the Defence, renewable energy, (including wind and solar) and advanced manufacturing sectors with over 35 years in major and sustaining capital project management. Our greatest value proposition is that we have the large corporate experience, but as an SME, none of the costly overheads as the large organisations have, and therefore our rates are very competitive!

Products and services	<ul style="list-style-type: none"> • Program and Project management • Project controls (estimation, scheduling, and cost management) • Commercial / Contracts, RFT development • Learning and development, and project management training • Risk reduction analysis and management
Discriminators	<ul style="list-style-type: none"> • Australian Government Defence security certified (DISP) company • Security cleared personnel with extensive, and successful, private sector project delivery experience • Tertiary qualified and industry credentialled personnel to AIPM and PMI • Practitioners of PMI 'Project Management Body of Knowledge (PMBok)
Capabilities	<ul style="list-style-type: none"> • Defence domain services to SEA, AIR, LAND, JOINT and Space • Program and project management, with CASG experience • Sustaining and minor capital project delivery for Defence Estate and Infrastructure • Extensive private sector Systems Program Office (SPO) establishment and leadership • Project engineering (civil) and system engineering support • Integrated Logistics Support (ILS) • Project management of nuclear submarines, airfield upgrades

Key customers, partners and suppliers	<ul style="list-style-type: none"> • Commonwealth of Australia • RAAF – AIR5077 Phase 5 Interoperability Program • CASG – JC2SPO CJC03 Sustainment Joint Data Network • CASG – MIWS SEA4000 Air Warfare Destroyer (AWD) Program • CASG – MIWS SEA5000 Future Frigate Program • Team Downer • Nova Systems 	<ul style="list-style-type: none"> • Raytheon Australia • Fortescue Metals Group • Bluescope • NSW Ports • South 32 • Energy Australia • Squadron Energy • Green Gravity • Yarra Trams • AIE
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Quality standards and accreditation	<p>Currently compliant with *:</p> <ul style="list-style-type: none"> • ISO 9001 – Quality Management Systems • ISO 27001 – Information Security Management Systems • ISO 31000 – Risk management • ISO 45001 – OHS • accreditation process commenced
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Contact	<p>David Bridge CEO</p> <p>M +61 421 588 658 E David.Bridge@bpsdefence.com.au</p>
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Website	bpsdefence.com.au
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Cadpro is a local team of 40+ specialists providing CAD, BIM, construction and manufacturing software in ANZ. We have been working with Defence in NZ for over 20 years and since we started in Australia in 2020. We are CAD software specialists that help business unlock future opportunities and outcomes through fast, tailored and innovative solutions. We offer an end to end solution for the advanced manufacturing sectors with unparalleled technical expertise and support.

Products and services Cadpro supplies Autodesk software solutions in the AEC and manufacturing markets. We also supply training, consulting and other services to support the solution. Customers use the software to design and make infrastructure, products and in construction. It is extensively used in Defence industry to design, make and sustain Defence assets.

- Discriminators**
- Manufacturing and CAM specialised partner for Autodesk solutions
 - 30 years of expertise and technical understanding of the manufacturing sector
 - Track record of integrations between ERP and manufacturing software
 - Product Data Management expertise with Vault and CAD data management
 - Ability to conduct assessment for business processes/technical workflows and processes
 - Two Autodesk Manufacturing Expert Elite technical staff
 - Inhouse software development team for integration, post processor work and application development

- Capabilities**
- Autodesk software sales
 - Software support and consulting
 - Classroom training, online on demand training platforms and custom training
 - Post processor development delivered via our development platform massif.dev
 - Business process assessments for manufacturing technical capability

Key customers, partners and suppliers

- Department of Defence – various projects
- 19th Chief Engineering Works – Autodesk Build software pilot
- DST Group – various projects including Weapons Engineering and Wind Tunnel
- Thales – Provided CAM training to Lithgow Munitions centre

We supply Autodesk software and services to the following Defence industry companies:

- Romar Engineering
- Baker and Provan
- Bale Defence
- Nepean Engineering
- Nupress
- Varley
- Australian Target Systems (ATS)
- McConnell Dowell
- A.G.Coombs

Quality standards and accreditation

- Autodesk specialised Gold partner – CAM, Manufacturing and Design, Architecture and Engineering
- Approved software supplier to Department of Defence and DSTG

Contact

Anna Murray
National Territory Manager
M +61 417 047 391
P +61 2 7229 7599
E anna.m@cadpro.io

Website

cadpro.io



Callington (NCAGE Z5104), established in 1968 is an Australian owned specialty chemical manufacturer for the aerospace, defence, manufacturing, health, and retail markets. Callington offers global partnerships with speciality chemicals for aircraft biosecurity disinsection & border biosecurity, diesel fuel & diesel engine performance additives, metal manufacturing & aircraft/equipment maintenance & NDT solutions, solvents, paint strippers, cleaners, coatings, disinfectants, and soldier personal protection with insect repellents. The business employs over 130 x staff across ten office locations worldwide with a manufacturing footprint spread across six continents.

Products and services	<ul style="list-style-type: none"> • Diesel fuel & diesel engine performance & anti-corrosion additives. • Non-Destructive Testing aerosol & bulk liquid fluorescent & visible penetrant products • Insect repellent for soldier body & clothing; protection against dengue, malaria and other insect borne diseases. • Metal working & machining synthetic liquids; Metal fabrication. • Welding surface treatment products • Maintenance speciality chemicals for aircraft, components & equipment: solvents, paint strippers, cleaners & degreasers. • Biosecurity insecticides for aircraft & shipping Hospital Grade liquid and wipe disinfectants; medical device disinfectants.
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Discriminators	<ul style="list-style-type: none"> • Chemical solutions provider for the protection of assets and personnel. • NATO endorsed with over 47 x NSN assigned products. • R&D capabilities in formulating specific chemicals for the Defence Industry. • Sovereign owned IP on all products formulated. • Global R&D, manufacturing, technical support, and logistics across six continents. • Focused on sustainable, biodegradable & eco-friendly chemistry. • More than 40 years co-operation with EU Airlines & Port Authorities for border biosecurity disinsection. • Advanced technology in fields of personnel insect borne disease protection, aircraft disinsection, metal machining fluids, diesel fuel & diesel engine corrective additives and emissions control.
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Capabilities	<ul style="list-style-type: none"> • Fast supply chain service from regional manufacturing locations • Global supply & logistics in Europe, UK, Africa, Asia, Australia, India, & United States • Technical & engineering support based regionally in Australia, Asia, and Europe • Focused on sustainable, biodegradable & ecofriendly chemistry
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Key customers, partners and suppliers	Customers	Partnerships (suppliers)
	<ul style="list-style-type: none"> • Royal Australian Air Force • Ministry of Armed Forces – France • United States Department of Defence • Portuguese Air Force • Belgium Military Force • BAE Systems • United States Air Force • United Kingdom Ministry of Defence • All Global Airlines • NASA • Departments of Health & Agriculture 	<ul style="list-style-type: none"> • Sherwin Inc. • Dow Chemicals • ExxonMobil • BASF • Inland Technology Inc.
		Key partnerships (consulting)
		<ul style="list-style-type: none"> • NATO • WHO - World Health Organisation • SAE • Ministry of Health & Agriculture • US EPA

Quality standards and accreditation	<ul style="list-style-type: none"> • ISO 9001 • Australian Trusted Trader (Border Force) • Boeing & Airbus Materials • Milspec materials lists • Global Accreditations from FDA, TGA, EPA • Ecovadis Sustainability Platinum, PSA Europe • IATA DG & IMDG Certified
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Contact	<p>Ivan Zrilic General Manager – Oceania M +61 430 934 367 E izrilic@callington.com</p>
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Website	callington.com
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Chess Engineering is a leading engineering company providing fabrication and site services for the Australian defence industry.

- 150 professional and trade staff
- turnover of around \$50M p.a.
- completed long term \$100M projects
- agility to commit to sub \$50K projects
- 50-year-old Australian company

Products and services Chess Engineering’s services include complex metal fabrication using mild steel, stainless steel, and specialised metals, as well as new, refurbishment, and site works.

- Discriminators**
- Capacity for one-off \$25M projects or larger multi-year projects
 - Broad array of in-house engineering and trade skills
 - Skilled in mild steel, stainless, specialist metals
 - Scalable engineering and production facilities
 - Defence experience and certifications
 - Ability to accommodate smaller projects,
 - Australian owned

- Key projects**
- RAN HMAS Choules (SEA3030) - stainless steel exhaust and ventilation.
 - RAN Garden Island - stainless steel walkway supports.
 - THALES - specialised workbench, shelving and tray (ISO Container)
 - ARMY (Land155) - bridge build interface supports mobile bridging equipment.
 - ARMY Holsworthy – structural steel training simulator

- Quality standards and accreditation**
- Quality – AS/NZS ISO 9001
 - Environmental – AS/NZS ISO 14001
 - OHS – AS/NZS ISO 45001
 - Welding - ISO 3834.2 (DIN 2303 - in progress)
 - Construction CC2 & CC3 / fabrication & installation
 - DISP – Entry Level (in progress)

Contact **Ian Veltman**
Business Development Manager – Defence
M +61 419 228 864
E i.veltman@chessindustries.com.au

Website chessindustries.com.au



Chillflow delivers comprehensive Marine HVAC & Refrigeration specialist engineering solutions for the Defence, commercial, industrial and offshore sectors. From design, manufacture, supply, installation to service, maintenance and ongoing life-cycle support, we offer tailor demand-led, integrated services to meet your requirements. We provide deep expertise, quality assurance and certification helping to solve your Marine HVAC & Refrigeration challenges.

Products and services Our mission at Chillflow Solutions is to bring innovation to the marine HVAC industry through collaboration with our clients and partners to deliver comprehensive, specialist HVAC & refrigeration engineering solutions. We are experts at navigating complex defence platforms, providing technical assurance for our capability outcomes. Chillflow are the sole appointed Australian distributor for J&E Hall Ltd (member of the Daikin Group) Marine and industrial products.

- Capabilities**
- Design & Manufacture
 - Control and data acquisition systems
 - Project management
 - Sea Water Systems
 - Procurement
 - Heating and cooling solutions
 - Service and maintenance
 - Sea trials
 - Replacement & Upgrades
 - Deployed operations
 - Commissioning
 - Sustainment
 - Refrigeration
 - Temporary cooling solutions
 - Ventilation
 - Fault finding & diagnostics

- Key customers, partners & suppliers**
- ACSSPO & AORSPO
 - Babcock
 - Atlantic & Peninsula Australia.
 - Navantia
 - Teekay Shipping
 - J&E Hall
 - ADROITA
 - Sydney City Marine
 - Hallidays Engineering
 - Daikin Australia
 - Marenav
 - John Crane
 - Danfoss
 - Aircon rentals
 - HydroChem
 - Mak Water

- Quality standards and accreditation**
- Environmental Management system ISO 14001:2015
 - Quality Management systems ISO 9001:2015
 - Health and Safety Management System ISO 45001:2018
 - DISP Member
 - ARCTICK – Australian Refrigeration Council – AU54434
 - NSW Contactors Licence – 389231C
 - Electrical Licence – EW182875

Contact **Ben Webster**
Operations Director
P +61 2 7201 9725

Website chillflowsolutions.com.au



Australia's only Accredited disability enterprise Surface Mount Technology electronics manufacturer & assembler. Employer of Qualified electronics technicians and Social Enterprise Supported Worker team. Established 39 years ago, CNS manufactures all the PCB assemblies at our factory in Hornsby NSW, where our focus is manufacturing high quality printed circuit boards in our state-of-the-art facility, and making precision product assemblies supplied to Tier 1, Medical, Transport and Defence clients.

Products and services We offer high quality local made surface mount PBC manufacturing, product assembly, testing, packaging, and shipping. As a Disability Enterprise we offer a combination of local content and Social Enterprise service, manufactured with state-of-the-art best practise equipment.

Discriminators CNS is Australia's only NDIS registered electronics manufacturer. Because we employ Supported Workers, we provide meaningful employment for people living with disabilities, whilst providing a professional high-quality service for our customers. Our competitive advantage is we can offer lowest (supported) labour rates.

Capabilities CNS has a range of state-of-the-art manufacturing equipment including Mycronic Surface Mount pick & place machine, Mycronic stencil jet printing (first in NSW), Ascon Vapour Phase reflow oven amongst other high tech PCB production equipment.
Our Supported Worker, whilst living with intellectual disabilities, offer the highest standard of diligence for through hole PCB assembly work and general electronics and product assembly work. They make no mistakes and on time every time! Our Supported Worker rates are the most competitive to industry and overseas.

Key customers, partners and suppliers Our key customers include a range of Tier 1 through to start ups. Markets include:

- Mining
- Medical
- Fire Protection
- Lighting, Signage, Building, HVAC
- Testing Instruments
- Agriculture
- Transport
- Defence

Quality standards and accreditation • ISO 9001

Contact **Dean Mills**
CEO
P +61 2 9476 6811
E dean.mills@cns.org.au

Website cns.org.au



Contactile is giving robots a human sense of touch and enabling robotic dexterity.

Products and services Our tactile sensor-enabled robotic grippers can handle and manipulate objects that have never been encountered before by applying a 'Goldilocks' grip (not too strong, not too light... just right), autonomously and dynamically. The 'Goldilocks' grip can also be used in teleoperation environments where joint human-robot control has the benefit of enabling more intuitive operator control.

Discriminators This world-leading technology will enable automation of manipulation tasks that have never been possible.

Capabilities Contactile is an agile Sydney-based startup. Our team consists of highly experienced engineers and experts in robotics and tactile sensing/

Key customers, partners and suppliers We have been selling tactile sensors to researchers all over the world:

- Amazon
- Ocado
- 1x Robotics
- Carnegie Mellon University
- Imperial College London
- EPFL

...and many more

Contact **Heba Khamis**
CEO
M +61 450 504 482
E heba.khamis@contactile.com

Website contactile.com



In-Country supply and support for specialist Mil-Spec RF and Computing Hardware from USA, Canada & Europe. Control Synergy is an Australian-owned company based in the Hunter Valley NSW. We are a specialist in wireless communications for secure mobile networks and are the sole supply in Australia for custom DSE Rugged Displays, TACO Antennas & Xetawave Embedded Radios. We have local warehousing and logistics capability. Supplying to Defence since 2007.

Products and services

Control Synergy products are all about providing secure and robust wireless communications, cutting-edge visualisation solutions, enhanced situational awareness, precise data representation and efficient and secure command and control of remote assets. By engaging with Control Synergy, Military customers instantly obtain access to our RF experience and Industry-leading Engineering support. Because of our low overheads, we are the most cost-effective path to World-leading communications & Display solutions for long-term deployment. With our deep supplier relationships, we provide a quick and easy path to either acquire or enhance capabilities of existing assets.

Capabilities

Embedded systems

We have been dealing with small-footprint communications systems for over 15 years and have the IP to design your network for both security and for resilience.

Mobile Computing and Displays

We supply and support in-country for some of the worlds' largest OEM Mining Brands and we have the IP that is needed to develop Rugged mobile computing & Displays for Harsh environments.

Ground to Air communications

We have unique GSA contract UHF/VHF antennas which are in use by friendly militaries, and which save time, space and money in terms of installation and maintenance.

Key customers, partners and suppliers

- **BAE systems** – Air Ground Air Transition (AGAT) program (TACO Antennas)
- **Rohde & Schwarz/Daronmont** – Temporary Air Operations Towers (TAOT) program
- **Air Affairs/Qinetic** – Phoenix Jet Drone command and control (Xetawave Radios)
- **Droneshield** – “Dronegun” RF Jamming rifle for Infantry counter drone operations.
- **Gilmour Aerospace** – Remote mission abort system (TACO Antennas)

Quality standards and accreditation

- AS9100 registered quality system

Contact

Brett Aked
Managing Director
P +61 2 4966 5211
E Brett@controlsynergy.com.au

Website

controlsynergy.com.au



Image: Courtesy of Department of Defence



Humanistic. Experienced. Curious. Fearless. These aren't words typically associated with consulting. But at Coras, we are proud to be unconventional; to apply passion and empathy; to boldly challenge the norms. It all began in 2015 when three Navy veterans Thinking New, saw a better way to provide advisory services. We know consulting and compassion are inextricably linked and that setting up clients for enduring success trumps any quick win obtained through rinse and repeat solutions.

Our people are integral to our success – we hire people who are individually recognised as specialists in their field but are also fundamentally good humans who listen deeper and search further to understand our clients' needs.

Products and services	Our service offerings are heavily focused on providing tangible outcomes for Defence, capability, and the end user. This translates as support across several diverse service areas including asset management, commercial advisory, engineering, program and project management, business advisory, and governance and assurance.
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Discriminators	Unlike many of our competitors, we do not use subcontractors. Our team are permanent employees who perform at their best because they feel valued. Our permanent employee structure, well established networks, and positive reputation, enable us to support client demands in an innovative and sustained manner. We also partner with like-minded businesses to further benefit Australia's Defence industry.
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Capabilities	<p>Since 2015 we have been providing professional consulting services to Defence and other Commonwealth agencies, with strong experience in the acquisition and sustainment of capability supporting the Department of Defence.</p> <p>Our expertise in Defence runs deep. We were founded by three Navy veterans, and over 40% of our workforce are veterans. Our multigenerational workforce spans the spectrum from distinguished military personnel with over 40+ years' experience in Defence to rising stars achieving academic excellence across multiple disciplines. Our diverse workforce is constantly Thinking New to solve our clients' most complex challenges. We have earned a reputation in Defence as trusted partners who deliver outcomes by challenging norms, driving excellence and going above and beyond.</p>
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Key customers, partners and suppliers

Partnerships

We have an exclusive partnership with UK based Abbott Risk Consulting, a leading expert in nuclear power stewardship and operations

Clients

Recent projects include SEA1442, SEA1445, SEA1910, and SEA4000 Ph6, and developing the Defence Seaworthiness Management System compliance in Fleet Command and Navy. We have worked with major Defence clients in NSW such as Fleet Command, Shore Force Command, Major Surface Ships Branch, Maritime Support Branch, DDGSP0, MCPSP0, MCDSP0, AORSPO, Maritime Geospatial Branch, and ALSPO. Other notable clients include Bureau of Meteorology, Directorate of Naval Engineering Policy, Australian Border Force and the Department of Industry, Science and Resources.

Quality standards and accreditation	ISO9001
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Contact	<p>Phil Cutts CEO</p> <p>M +61 402 283 239</p> <p>E phil.cutts@coras.au</p>
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Website	coras.au
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CruxML specialises in real-time computing and Machine Learning (ML) for Size, Weight, Power, and Cost (SWaP-C) efficient implementations at the edge. CruxML is a spin-off from Australia’s Leading Field Programmable Gate Array (FPGA) research facility at the University of Sydney (CEL) and has extensive experience in Radio Frequency (RF) and other auditory and electromagnetic spectrum ML based applications. CruxML was founded in 2020 and has successfully completed several Defence funded projects.

Products and services	RF Fingerprinting (terrestrial and satellite), RF Modulation classification using ML, Bandicoot and Numbat (Software Defined Radio + ML), advanced FPGA design, high-performance ML architectures, provision of specialised FPGA platforms.
Discriminators	CruxML is a spinoff from the University of Sydney. CruxML uses FPGAs to offer Exploration, Parallelism, Integration and Customisation (EPIC) advantages over parallel clusters and GPUs. We provide the best technology for SWAP-C constrained systems in cyber, EW, IMD, ISR and robotics. CruxML has extensive experience in the application of FPGA technology to RF and ML.
Capabilities	CruxML provides fast, low power FPGA based solutions for high-end, low-latency applications including: <ul style="list-style-type: none"> • State-of-the-art ML Edge computing capabilities • Physical layer RF modulation classification and fingerprinting and audio frequency detection and classification. • Fusion of signal processing and machine learning. • Machine learning (time series prediction in particular). • Application of FPGA & ML techniques to cybersecurity and secure data management.
Key customers, partners and suppliers	<p>Customers</p> <ul style="list-style-type: none"> • DIH, DSTG, Axiom, Merewyn, n-hop • Westpac, HSBC, DSTG, Exablaze, Consunet (CEL) <p>Partners and suppliers</p> <ul style="list-style-type: none"> • Xilinx (AMD), Avnet, Consunet, RFTeq, Ebor, Axiom, ACRE, Hyprfire
Quality standards and accreditation	DISP
Contact	<p>Barry Flower CEO</p> <p>M +61 400 212 379 E barry@cruxml.com.au</p>
Website	cruxml.com.au



Image: Courtesy of Department of Defence



CSTV is Australian owned & operated company established in 1995 with a focus on the design and manufacture of high quality, filament wound composite tubing.

Vertically integrated including materials, tooling manufacture, product manufacture and testing. With two factories in Sydney and one factory in the USA.

Products and services	<p>Range of products</p> <ul style="list-style-type: none"> • Composite tubes • Composite overwrapped pressure vessels (up to 700 bar) • Radio transparent tubes • Antenna tubes • Wing Spars for vertical take-off and landing aircraft • Carbon fibre rotor sleeves for electric motors • Drive shafts
Discriminators	<ul style="list-style-type: none"> • Ability to provide an engineered solution for our customer • Ability to transition from prototype to upscaled production • Ability to measure and maintain quality and tolerances at volume production • Precision composite parts, accuracy 10 microns • Volume manufacturing (40+ million parts delivered) • Filament winding capacity of 2000kgs per week and up to 700 tubes per day
Capabilities	<ul style="list-style-type: none"> • Manufacture composite tubes with Carbon fibre, Aramid fibre, Fibreglass and other exotic materials • Tube diameters from 5mm to 800mm diameter and up to 12m long • High precision composite parts • Machine and centerless grinding composite parts • Measure with CMM or optical scanners • Test products or materials with fully equipped lab, including: <ul style="list-style-type: none"> – Mechanical testing with Universal testing machine – Materials testing with DSC, FTIR, TGA, Rheometer, DMA, Viscometer, Microscopy • Materials including high temperature and fire-retardant composites • Inhouse tooling manufacture with Okuma lathes and 5 axis machining centres • Full batch traceability and METRIX ERP software system, integrating from the production floor to the customer • Make our own filament winding and CNC machines • Light weight composite solutions • Robots implemented into our manufacturing systems

Key customers, partners and suppliers

Customers

- Thales
- Dyson
- Ansto
- Multimatic
- Ford
- NASA
- Australian Sailing Team
- AngloAmerican
- Quarry Mining
- GE
- Gilmore Space

Partners

- University of Western Sydney, Western Sydney Parklands Authority, University of Southern Queensland and University of NSW

Suppliers

- Toray, Mitsubishi and Teijin

Quality standards and accreditation ISO 9001

Contact

Glenn MacPherson
Director, Strategy and Business Development
P +61 2 9668 8488
E g.macpherson@cstcomposites.com

Website

cstcomposites.com



Cuvos is an Australian owned and operated company specialising in sensor technologies. Our team is made up of business professionals, engineers, and academics. Our engineering team includes leaders in the fields of high-speed digital FPGA and ASIC design, neuromorphic engineering, machine learning and algorithm development. The management team at Cuvos understand what is required to develop and foster revolutionary disruptive technology.

Products and services

Range of products

- Composite tubes
- Composite overwrapped pressure vessels (up to 700 bar)
- Radio transparent tubes
- Antenna tubes
- Wing Spars for vertical take-off and landing aircraft
- Carbon fibre rotor sleeves for electric motors
- Drive shafts

Discriminators

Cuvos has developed and patented its neuromorphic technology and is in the process of adding additional patents for its technology

- Seamless integration/interoperability with existing sensor systems
- Improves reliability/results in detection systems
- Available as an IP block, chipset and full camera unit
- Improves image quality in complex and difficult lighting conditions (sunrise, sunset, glare, low light)
- Expands operational dynamic range
- Operates in real-time

Capabilities

- Our engineers have years of experience in the development of high-speed, high-efficiency digital processing.
- Real time sensor enhancement, change detection, and anomaly detection.
- Expert scientists with experience in machine learning and computational neuroscience developing efficient, smart algorithms.
- Edge ready engineering design for portable and autonomous applications
- Cuvos' use of FPGA enables firmware upgrades over hardware replacements.
- Customisable to be compatible with end user's existing systems.
- Management have had experience introducing new technology into the market and developing and growing start-ups.
- IP Block solution is easily scalable and not dependent on any supply chain shortages.

Key customers, partners and suppliers

Partnering with two Tier 1 Primes

Quality standards and accreditation

DISP accreditation

Contact

Ian Heddle
Managing Director
E ian.heddle@cuvos.com.au

Website

cuvos.com.au



Defence Innovation Network is a university-led initiative of the NSW Government and the Defence Science and Technology Group to enhance NSW & ACT Defence industry capability through collaboration between industry and universities. Since its establishment in 2017, DIN has attracted over 100 projects representing more than \$120 million in cutting edge defence related R&D investment, leading to already commercialised new capabilities and near-to-market next generation innovations. The DIN's recent successes include the \$1.5 million investment to develop world first quantum sensing prototypes and \$3 million investment to deliver breakthrough technology in Cyber, Remote Undersea Surveillance, Space, and Information Warfare and CBRN.

Products and services	<ul style="list-style-type: none"> • Defence expertise: Defence Innovation Network comprises top-tier Australian universities with world-class faculty specialising in diverse defence-related disciplines • Cutting-edge labs: State-of-the-art research facilities for advanced experimentation and development • Interdisciplinary approach: Multidisciplinary collaboration to address complex defence challenges
Capabilities	<ul style="list-style-type: none"> • Diverse portfolio of projects and funding programs spanning Quantum, Cyber, Information Warfare, Remote Undersea Surveillance, Space, Robotics and AI, Materials, and others • Rapid prototyping and testing facilities to accelerate technology readiness • Robust internship and scholarship programs producing a skilled workforce for the defence industry
Key customers, partners and suppliers	<ul style="list-style-type: none"> • Department of Defence and Defence Science and Technology Group – various projects • US Military – Quantum and neuromorphic sensor technologies • Thales – Future mine countermeasure technology • Advanced Navigation – Quantum positioning, navigation, and timing • DroneShield – Drone detection using deep learning
Contact	<p>Lincoln Parker Business Development M +61 491 157 527 E lincoln.parker@defenceinnovationnetwork.com</p>
Website	defenceinnovationnetwork.com



Image: Courtesy of Department of Defence



Since 2015, DroneShield offers versatile for comprehensive C-UAS (Counter-drone) solutions by maximizing the performance proprietary technologies and third-party sensors. We provide mission essential capabilities with our Artificial Intelligence enhanced sensor fusion and signal processing. Our sensors, effectors, and AI/ML (Artificial Intelligence/Machine Learning) technology can be integrated into our own Command-and-Control solution or fully integrated with third-party platforms for both Government and commercial systems.

Discriminators

DroneShield is uniquely positioned globally, providing both:

1. portable (DroneGun and RfPatrol)
2. fixed/mobile site multi-sensor, detect and defeat C-UAS products

Capabilities

- Focused on counter-proliferation of small commercial UASs
- Man-portable, vehicle mounted or fixed installations
- Detection, tracking and defeat capabilities
- Regular software updates
- Proprietary Command-and-Control solution and fully integrable with third-party platforms
- Sold into over 100 countries

Key customers, partners and suppliers

Customers

- Ministry of Defence
- Australian Federal Police
- US Navy
- US Army
- US Air Force
- New Zealand Defence Force
- British Telecom (BT)
- Thales
- Teledyne FLIR

Partners

- Echodyne

Suppliers

- RADA
- Teledyne FLIR
- Bosch

Quality standards and accreditation

ISO 9001

Contact

Oleg Vornik
CEO

P +61 2 9995 7280
E info@droneshield.com

Red McClintock
Director

P +61 2 9995 7280
E info@droneshield.com

Website

droneshield.com

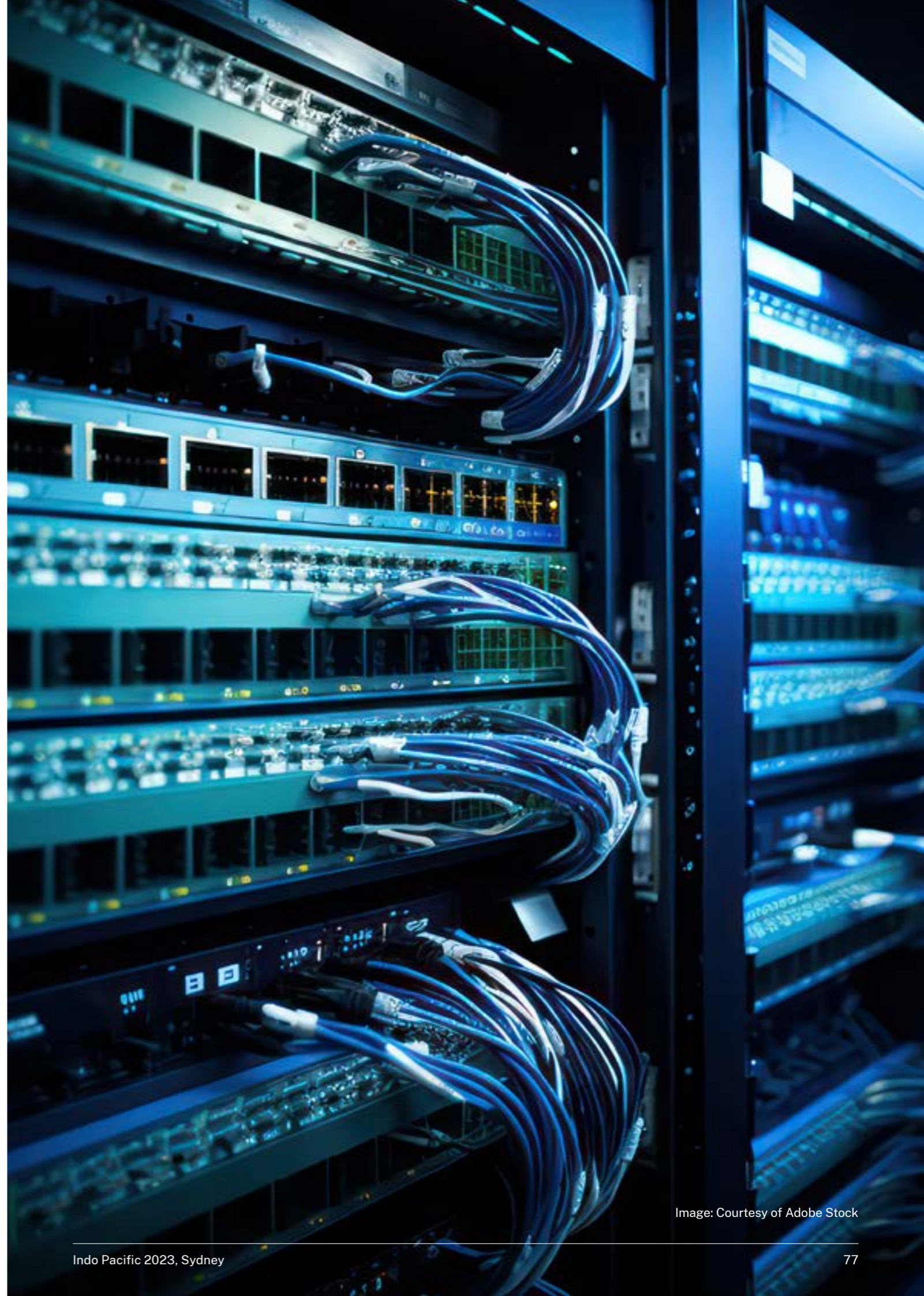


Image: Courtesy of Adobe Stock



As the world’s largest satellite aggregator for earth observation (EO), we are making space data accessible, affordable, and usable for all businesses and governments, regardless of their size, technology maturity and budgets. The B2B SaaS platform enables self-service tasking of hundreds of satellites with varied sensors, like using Uber Eats to order food from multiple restaurants. We have reimagined the source-fuse-use workflow using EO data, information, and insights, offering differentiated situational awareness and tactical and strategic decision aid for defence and intelligence users.

Products and services End users’ direct tasking of the satellites enables responsive data collection **when, where, with (which) sensors and cost** users want. Additionally, information is extracted from the tasked data and made available as information feeds, like the Bloomberg terminal with financial information to the end users. The customers subscribe to automated and real-time information and insights feeds that are ingestible into their operational workflows and decision support systems, improving the usability of space-based data, with other sources of information, in solving earthly problems.

Discriminators Direct tasking of satellites as if they are every user’s asset in space is a novel concept. The platform is the world’s only fully automated space data acquisition and insights capability, removing accessibility and affordability issues associated with acquiring data from multiple constellations. The standardised and simplified workflow connecting commercial and sovereign dual-use satellites as Lego blocks means users can on-demand task different sensors, without individual contracts, in varying combinations based on their use cases.

Capabilities The ability to task multiple constellations – hosting imaging and RF sensors – in a single workflow, with service level agreements (SLAs), over areas of interest at times of interest is a critical capability defence and intelligence users require. EarthEye platform, as the only **specialist multi-sensor tasking platform**, offers automated tasking, opportunity-based taking, and outcome-based tasking – each useful in different use case contexts. The sensors on the platform include various spatial and spectral resolutions of Panchromatic, Multispectral, Synthetic Aperture Radar, Hyperspectral, Thermal Infrared, Greenhouse gas detectors, Full Motion Video, Radio Frequency Communications, and 3D and LiDAR in the future.

Key customers, partners and suppliers

Currently, the EarthEye platform hosts over 250 satellites from over 12 constellations, with a combination of commercial and dual-use sovereign satellites. These assets are in polar/SSO, multiple inclined, and equatorial orbits, providing the highest revisit and coverage. The platform will host over 350 satellites by the end of 2023. To date, over 30 satellite operators have signed up with EarthEye Space.

The platform has onboarded several customers ranging from a national defence contractor supporting army and navy, a leading national space agency, a global business consultancy, some of the largest plantation/forest companies, the largest national telecommunication company, and a sustainability consultancy, among others, in a short period of six months since the first product was launched.

Contact

Shankar Sivaprakasam
Founder/CEO

M +61 418 369 337

E shankar@eartheye.space

Website

eartheye.space



Favcote provide a diverse and specialised range of quality abrasive blasting and coating and flooring applications solutions for Defence Marine.

Products and services	<ul style="list-style-type: none"> • Abrasive blasting services utilising various types of media including sponge-jet technologies • Preparation and preservation of a diverse range of metal and other surfaces • Removal and reapplication of flooring compounds and materials
Discriminators	<ul style="list-style-type: none"> • Abrasive blasting services utilising various types of media including sponge-jet technologies • Preparation and preservation of a diverse range of metal and other surfaces • Removal and reapplication of flooring compounds and materials
Capabilities	<ul style="list-style-type: none"> • Abrasive blasting and manual surface preparation including environmental sponge-jet blasting • Coating applications • Epoxy floor laying • Project management • Surface preparation and coating application inspections and testing
Key customers, partners and suppliers	<ul style="list-style-type: none"> • A&P • BAE Systems • Babcock / NSM • Navantia • Thales • All R.A.N class ships' support • Ship repair alliance
Quality standards and accreditation	<p>CERTIFI Certified to:</p> <ul style="list-style-type: none"> • ISO 9001:2015 • AS/NZS 4801:2001 • AS/NZS 14001:2015 • CSIRO PCCP certified. <p>Defence Recognised Supplier (LoRS)</p> <ul style="list-style-type: none"> • ASRG Member • AIDN Member
Contact	Bruno Favretti
Website	favcote.com



Forcys is a global naval underwater technology company. Backed by 50 years of expertise in the domain and an in-house developed technology portfolio, our technology partners (Chelsea Technologies, EIVA, Sonardyne, Wavefront Systems, and Voyis) deliver, integrate, and support industry-proven underwater and sub-sea sector solutions for navies and military organisations, helping them to defend and project battlespace advantage capability. We seek to deliver a networked, digital battlespace capability.

Products and services	Forcys delivers GNSS denied navigation solutions, underwater communications, sonars, optical systems, environmental sensors, and the software to enhance situational awareness.
Discriminators	<ul style="list-style-type: none"> • A secure software defined modem for undersea communications • An expeditionary MCM-in-a-box capability alongside a low-logistic multi-shot neutraliser for very shallow waters • A deployable range used to conduct training anywhere, in any ocean depth
Capabilities	<ul style="list-style-type: none"> • World's most deployed intruder detection sonar • Hybrid Acoustic-Inertial Navigators for crewed and uncrewed platforms • Underwater acoustic and optical communications • Combined multi-aperture sonar and optical system for single sortie detect/identify • Remotely operated towed vehicle for seabed warfare • Acoustic doppler current profilers with integrated modems for simpler operation • Underwater deployable tracking ranges
Key customers, partners and suppliers	<ul style="list-style-type: none"> • Royal Australian Navy • DSTG • Thales • QinetiQ Australia • HII Australia • L3Harris • GDMS
Quality standards and accreditation	Forcys Australia Pty Ltd has only recently been established and is implementing and working towards accreditation of the ISO 9001/2015.
Contact	<p>Sean Leydon Regional Manager Asia Pacific M +61 483 359 862 E sean.leydon@forcys.com</p>
Website	forcys.com



GME has been an industry leader in radio frequency communication and technology space for over 60 years. GME are the only Australian manufacturer of UHF CB radios and Emergency Beacon products. GME's Beacons and radios are utilised within Australian Department of Defence, GME has been working closely with Defence for the last 4 years to provide a sovereign approach to the available supply chain. GME pride ourselves on engineering and manufacturing high quality market leading products with a full end to end approach.

Products and services

- Engineering design and prototyping services
- Electronics, mechanical, radio frequency
- Mechanical, 3D printing and electronics
- Contract manufacturing services
- Secure electronics and SMT
- Test and evaluation services
- Environmental, vibration, x-ray, optical
- Emergency Locator Beacons
- MT600G- NSN-5820-66-164-2739 MT603FG- NSN-5820-66-167-1808
- MT603G -NSN-5820-66-167-1807

Discriminators

- SMT line capability
- Robust validated supply chain
- Accredited Zone 4 secret electronics manufacturing capability
- Offers OEMs significantly higher Sovereign Industrial Capability
- Full design, 'Build to Print', Research & Development and test capabilities.
- Advanced Surface Mount Technology manufacturing with Optical and X-Ray inspection for quality assurance
- Product and product support provided in Western Sydney Australia

Capabilities

- Preparedness & Production Readiness
- Hydrographic Ship Upgrade
- Australian Industry Capability
- MSP Support, DSS and Gov't Panels
- Project and Bid Support
- Engineering Config Management
- Defence Grade AI
- Life of Type Extension and 'Get Well' Programs
- ERP & Asset Management Support
- Export Control Training Government, Primes and SMEs
- SME ISO Support

Key customers, partners and suppliers

- Australian Department of Defence – P35 Heat Stress Detector- Prototype
- Australian Department of Defence – Direct sales – codified off shelf
- Electric Optic Systems (EOS) Pty Ltd
- Penten Pty Ltd – Electronic Manufacturing
- Codan – Domo Tactical Communications – C4EDGE and ongoing relationship
- L3 Harris
- Rheinmetall

Quality standards and accreditation

- DISP Accredited- Australian Defence Industry Security Program
- ISO 9001-2015 Manufacturing process accreditation AS/NZS
- ISO 14001 environmental
- CE (Europe) FCC (USA)
- Cospas-Sarsat (Beacons)
- BABS340 Marine Equipment Directive Module D Quality
- System Certificate (Beacons)
- MIL-STD 810G

Contact

Christopher Rule
General Manager Defence
M +61 2 8867 6000
E crule@gme.net.au

Website

gme.net.au/au



Goal Group is a Defence Veteran owned and operated professional services firm. We support all Defence programs and capability with unique IP and security cleared Defence specialists and a network of Group Defence partners.

- Products and services**
- Asset Management & ILS
 - Preparedness & AI
 - Export Control & ITAR
 - 1 800 EC HELP
 - Defence Program Support & Readiness
 - National Defence Readiness Training
 - Cyber & Engineering Products, Assessments & Services
 - Supply Chain Resilience
 - Quantum Level Encryption
 - DISP, ISO/IEC 27001, NIST & CMMC

- Capabilities and discriminators**
- Preparedness & Production Readiness
 - Hydrographic Ship Upgrade
 - Australian Industry Capability
 - MSP Support, DSS and Gov't Panels
 - Project and Bid Support
 - Engineering Config Management
 - Defence Grade AI
 - Life of Type Extension & "Get Well" Programs
 - ERP & Asset Management Support
 - Export Control Training Government, Primes and SMEs
 - SME ISO Support

- Key customers, partners and suppliers**
- Defence: All Services
 - Defence: Primes & SME
 - State Governments
 - Universities
 - Australian Industries and Defence Network
 - NSW Government
 - Australian Government
 - Guardware
 - Hunter Defence
 - Soldier On
 - CGI

- Quality standards and accreditation**
- ISO 9001 Quality Management Systems
 - ISO 10006 Quality in Project Management
 - ISO 55001 Assessment and Implementation
 - Integrated Management Systems
 - Process Improvement: Lean, Six Sigma
 - National Defence Readiness Training Organisation
 - ISO 44001 Collaboration
 - ISO 27001 Info Security
 - Integrated Management

Contact	Bret Barton CEO M +61 417 020 034 E bbarton@goalgroup.com.au	Mick Green COO M +61 418 964 473 E mickgreen@goalgroup.com.au
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Website goalgroup.com.au

EXHIBITOR: GPC ELECTRONICS

GPC Electronics Pty Ltd is Australia's largest electronics manufacturing services company. The company has been operating since 1985 and is Australian family owned and operated. Our focus remains tightly on delivering quality electronics for mission critical applications.

Products and services	<ul style="list-style-type: none"> • Design for manufacture, design for test • Assembly of PCBAs • AOI, Flying Probe, X-Ray • Box Builds • ICT and FCT testing
Discriminators	<ul style="list-style-type: none"> • Large capacity 10,000 sqm facility with five latest generation assembly lines • Defence focused with proven procedures and processes providing full traceability using SAP ERP in all phases of planning, production, and procurement
Capabilities	<ul style="list-style-type: none"> • Design for Manufacturing and Design for Test advisory services • Flexible and rapid manufacturing of high-quality electronics from prototyping to large batches • Large and experienced procurement capability with priority access to a large domestic and international supply chain network • In-house assembly capability of modules, sub-systems and systems including full system testing • Full traceability of all components
Key customers, partners and suppliers	<p>GPC works with the world's most reputable companies in a range of industries:</p> <ul style="list-style-type: none"> • Defence • Space • Aeronautical • Medical • Automotive • Commercial
Quality standards and accreditation	<ul style="list-style-type: none"> • ISO 9001 – Quality Management System • AS 9100D – Aerospace and Defence • ISO 13845 – Medical Devices • IATF 16949 – Automotive • ISO 14001 – Environmental • Essential Eight Maturity Level 3 • ISO 27001 – Cybersecurity (In progress) • DISP – Defence Industry Security Program member
Contact	<p>RJ Stensland Business Development Manager</p> <p>M +61 417 250 578 E rj.stensland@gpc.com.au</p>
Website	gpc.com.au

EXHIBITOR: HALLIDAY ENGINEERING

Halliday Engineering is a multi-disciplinary, family-owned marine engineering business with over 170 years' experience servicing the Defence and Maritime industry. We specialise in Maritime Sustainment and Acquisition services including Engineering Design, Mechanical Fitting, Fabrication, Project Management, Technical Procurement and Logistic Support. Halliday designs, procures, fabricates, and repairs marine assets for the defence, commercial and private marine sectors.

Products and services	<ul style="list-style-type: none"> • Engineering – Design / Drawing / Inspection / Testing / Survey • Fabrication – Pipework / Superstructure / Hull / Tank • Machining – Shafts / Keyways / Couplings / Bearings • Mechanical fitting – Pumps / Valves / Engines / Ancillary Equip • Technical procurement and hire – OEM Parts and Spares / Crane & EWP Hire
Discriminators	171 years of Maritime Engineering Experience with modern manufacturing practices
Capabilities	<ul style="list-style-type: none"> • Key provider of maritime acquisition and sustainment projects with complete turnkey projects with 3D design and manufacturing all conducted in-house. • 3 x Workshops locations in Sydney; Rozelle - 1000m² Engineering Workshop less than 5km from Defence Precincts; Sydney City Marine & Garden Island (mobile) • 60 + team of passionate; Engineers / Project Managers / Technical Fitters / Machinists and Fabricators / HSEQ and Administrative Support.
Key customers, partners and suppliers	<ul style="list-style-type: none"> • Atlantic & Peninsula Australia – HMAS AMP/RMP Sustainment • Thales Australia – HMAS Supply Docking 2023 • Navantia Australia – HMAS Supply • Babcock Australia – HMAS Canberra / HMAS Adelaide Sustainment • Babcock / NSM – Landing Craft (LLC's) Sustainment • Anduril – LDV Autonomous Undersea Vehicle Infrastructure Projects
Quality standards and accreditation	<ul style="list-style-type: none"> • ISO 9001;2015 (Quality Management System) • ISO 14001; 2015 (Enviro. Management System) • ISO 45001; 2018 (Health and Safety Management System) • DISP Accreditation (EL) • IMPA / AINDT / ASRG
Contact	<p>Luke Halliday Managing Director</p> <p>M +61 2 9818 3744 E luke@haleng.com.au</p>
Website	hallidayengineering.com.au



Harry West Flags is a high-quality flag manufacturer, with over 115 years of experience having worked with the Australian and New Zealand Defence Forces for decades. Our mission is to provide the highest quality flags possible, and turn any idea into a premium flag, through our specialty in custom flags. We are the oldest flag maker in Australia and therefore have unmatched experience, skills and flag making capabilities.

Products and services	The high quality and longevity of Harry West flags supports formalities where flying a beautiful, premium flag is necessary. Expect the most durable, and long-lasting flag with beautiful finishes and made from premium materials.
Discriminators	Harry West Flags is a unique due to our ability to do short runs, custom solutions, that we manufacture onsite in Sydney and that we are the oldest flag maker in Australia. Our high-quality flags with unmatched longevity, provides the best value for money for our consumers.
Capabilities	Our high-quality custom fully sewn flags are our specialty, which are made using the applique process which we have both experience and expertise in. Being such an old company means we have a century worth of experience in traditional flag making, but we combine traditional methods with more modern technology in order to achieve the best result. Our services span the whole life of the flag, from design and construction to end of life management. We work with our individual clients to ensure that they receive the best possible advice and make informed decisions based on best practice principles and experience.
Key customers, partners and suppliers	<ul style="list-style-type: none"> • Royal Australian Navy – new ships built in Adelaide were all supplied with our flags • New Zealand Defence Forces – Supply of all their Navy flags • Department of Defence Australia – MCPSPPO resupply of flags for stores • Royal Australian Airforce – Flags for the centenary celebration to fly under the helicopter • Royal Australian Navy – flags to fly from the helicopter sat HMAS Albatross base. • NSW Transport – Supply of Harbour Bridge and Anzac Bridge flags • Various Australian Defence squadrons, barracks, ships and bases throughout Australia, working with them to provide defence force flags or custom flags as required and to the specifications they require. Some of these but aren't limited to these clients in the past few months alone • Forces Command, Victoria Barracks, 2nd Squadron headquarters, HMAS Albatross, Penguin, HMAS Canberra, Security Forces Squadron, Royal Australian Sign • BGIS Holsworthy Barracks
Quality standards and accreditation	Australian Made license
Contact	<p>Mia Park Managing Director M +61 2 9925 0722 E office@harrywestflags.com.au</p>
Website	harrywestflags.com.au



Image: Courtesy of Department of Defence



Hullbot is a full stack robotics engineering company including design, developing and deploying advanced autonomous systems. Australian designed, engineered, manufactured sovereign autonomous platforms. Hullbot solves the problem of biofouling on hulls offering a superior sustainment solution for all government and defence fleets that can dramatically improve defence operational capabilities.

Products and services

The Hullbot One System is an autonomous underwater drone and pod system that provides high frequency (daily to weekly) gentle hull cleaning to keep hulls in an optimal condition at all times.

Hullbot offers a turnkey solution for proactive vessel hull maintenance through frequent hull cleaning and in-water asset maintenance enabling ships, boats and submarines to increase speed and range whilst decreasing fuel consumption. Additionally, Hullbot provides full service inspections of hulls, in-water survey, 3D mapping of hulls and structures.

Discriminators

- Modular platform design with application-adaptable capability
- Primary sensing methodology (vision-based autonomy) enables navigation around submerged structures in a complex, unstructured, dynamic environment.
- Automated data acquisition, processing, analytics and reporting for actionable insights on vessel maintenance and operational profiles.
- Lean and agile startup methodology able to rapidly and efficiently meet project requirements.

Capabilities

Hullbot keeps hulls in their optimal condition improving overall vessel performance enabling the following key benefits:

- Reduced fuel consumption
- Increased vessel speed
- Increased vessel range capability
- Increased vessel deployment time and force readiness
- Improved asset insights through rich optical and sensor data
- Reduced acoustic signatures of vessels
- Reduced safety risk for personnel with less divers in water
- Increased human capacity with less divers in water
- Increased surveillance and security from hull inspections

Key customers, partners and suppliers

Partners

- NRMA
- UNSW
- SIMS
- TfNSW
- ACFR
- SEA02

Awards

- AusIndustry Entrepreneurs Programme Accelerating Commercialisation, Office of the Chief Scientist and Engineer NSW Physical Sciences Fund,
- NSW Government MVP, NSW Government Ocean Innovation Award,
- Climate Spotlight Award, Economists Ocean changemakers award,
- Ocean Impact Organisation PitchFest 2022 (runner up),
- KPMG Nature Positive (finalist) and Accelerator Alumni: CDL Oceans,
- Startmate S21, Boost Accelerator, Boab AI, Bright Tide.

Quality standards and accreditation

Hullbot's expertise includes sovereign manufacturing of complex robotic systems, mechatronic, electrical and software engineering, PCB design, underwater computer vision software, underwater navigation systems, low-cost advanced manufacturing, data visualisation and analytical insights.

Contact

**Tom Loeffler
CEO**

M +61 412 487 489

E tom@hullbot.com

Website

hullbot.com

EXHIBITOR: HUNTER DEFENCE



Hunter Defence is a collaborative task force that represents over 100 companies focused on demonstrating the capability of established Hunter defence industry suppliers to government and primes, as well as upskilling local SMEs to become 'Defence ready'. Hunter Defence's role includes demonstrating Hunter Region Supply Chain Capability to the Capability Acquisition and Sustainment Group (CASG), the Office of Defence Industry Support (ODIS), and Defence Primes. This is done by understanding what defence capabilities are generated regionally, aligning local industry capabilities and capacities with upcoming opportunities, and encouraging small and medium enterprises within the region (SMEs) to form advanced defence capability groupings and synergising broader product offerings by closer collaboration.

Capabilities	<p>The key regional industry capabilities are as follows:</p> <ul style="list-style-type: none">• Systems architecture development• Artificial intelligence systems• Virtual and augmented reality systems• Unmanned system development• Advanced land systems consultancy• Worlds class simulation systems development• Battlespace management and sensor design and support• Armour plating systems & high tolerance machining• High end composite development• Missile seeker head technology & Missile system body development• Missile system integration• Rocket propulsion systems• Explosives support, storage and technology development• Small arms support
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Key customers, partners and suppliers	<p>Involved in the Hunter Defence collaborative model are the following organisations: NSW Government, HunterNet, Astra Aerolab, Newcastle Airport, Regional Development Australia Hunter, Business Hunter, The University of Newcastle, Master Builders Newcastle.</p> <p>The Hunter is home to the nation's air combat capability and defence primes including: BAE Systems, Northrop Grumman, Lockheed Martin Australia, Raytheon and Boeing.</p> <p>Newcastle boasts the largest port on Australia's East Coast and is home to Thales, Cvmec and UGL.</p>
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Contact	<p>Tim Owen Hunter Defence Taskforce Chair M +61 477 201 000 E tim.owen@hunternet.com.au</p>
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Website	hunterdefence.org.au
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ROVER: HYPERSONIX LAUNCH SYSTEMS



Hypersonix Launch Systems is an Australian aerospace engineering company specialising in scramjets and hypersonic vehicles for Defence and Commercial applications.

- Scramjet propulsion
- SPARTAN – the world's only reusable, hydrogen fuelled, fixed geometry scramjet designed to operate between Mach 5 – Mach 10.

Products and services	<ul style="list-style-type: none">• Hypersonic UAV product portfolio – powered by SPARTAN• DART AE – Multi-mission hypersonic test platform. Mach 7. Launch 2024.• VISR – hypersonic ISR flyer (intelligence, surveillance, reconnaissance). Mach 10.• Delta-Velos Orbiter – multi-stage responsive satellite launch system. Constellation refurbishment, precision insertion, rapid response time, high cadence, Mach 10+.
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Discriminators	<ul style="list-style-type: none">• Simple - airbreathing propulsion with no moving parts• Faster - Hydrogen fuelled for higher Mach• Scalable – 3D printable scramjet engine• Proven - More than 100 ground tests, hypersonic flight proven scramjet• Unique - boost-glide-power capable hypersonic flyers
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Capabilities	<ul style="list-style-type: none">• Design, engineering and manufacture of scramjet propulsion systems and hypersonic unmanned aerial vehicles
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Key customers, partners and suppliers	<ul style="list-style-type: none">• US Defense (Defense Innovation Unit) – HyCAT (Hypersonic & High Cadence Airborne Testing) program• Kratos – exclusive channel to market for DART AE in the US• Modern Manufacturing Initiative (MMI) - \$8M AUD• Co-operative Research Centre Project (CRC-P) - \$2.95M AUD• Defense Innovation Unit• Kratos Defense & Security Solutions
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Quality standards and accreditation	<ul style="list-style-type: none">• Australian Patents 2020100766, 2020100803• US Patent US11639700B2• Quality Assurance – ISO9001, AS9100 accreditation in-progress• DISP accreditation in-progress
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Contact	<p>Nina Patz Head of Business Development M +61 400 679 499</p>
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Website	hypersonix.com
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EXHIBITOR: ILLAWARRA SHOALHAVEN REGIONAL DEFENCE NETWORK



The Illawarra and Shoalhaven Regional Defence Network is an alliance between industry, local, state and commonwealth governments, education and professional organisations. We work together to identify and grow Defence Industry capabilities whilst continuing to enhance the existing industry base.

Products and services	<ul style="list-style-type: none"> • Advocating and facilitating assistance on behalf of industry to all levels of government • Promoting local industry capabilities at key industry briefings and trade shows • Delivering Industry Workshops and networking events • Identifying investment opportunities • Facilitating introductions with Defence contractors and primes
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Capabilities	<p>The Illawarra Shoalhaven region has a vast array of capabilities in the Defence Industry. Located 1 hour from Sydney and 2.5 hours to Canberra.</p> <p>Key precincts</p> <ul style="list-style-type: none"> • Albatross Aviation Technology Park (AATP) • Port Kembla deep sea port • HMAS Albatross, HMAS Creswell • Shellharbour Airport
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Key customers, partners and suppliers	Key customers	<ul style="list-style-type: none"> • Defence related contractors, manufacturing and service industries
	Key partners	<ul style="list-style-type: none"> • Business Illawarra • i3net • NSW Government • Shoalhaven City Council • Shellharbour City Council • University of Wollongong Australia • Invest Wollongong • Industry Capability Network • Shoalhaven Business Chamber • Office of Defence Industry Support • Regional Development Australia • Kiama Municipal Council

Quality standards and accreditation	Member businesses have relevant Quality Standards and Accreditations for Defence related projects.
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Contact	Bron Hewson Economic Development Manager	Tony Dyer Economic Development Manager
	M +61 419 719 908 E bron.hewson@regional.nsw.gov.au	M +61 419 093 081 E tony.dyer@regional.nsw.gov.au

Website	illawarrashoalhavendefence.com.au
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ROVER: LANCELIN PACIFIC



Lancelin Pacific is a one-of-a-kind rope manufacturing company, delivering tailor made rope solutions using the latest fibres and technologies as well as our knowledge and expertise. Lancelin Pacific was created specifically with the intention of providing complex rope solutions in the Australia and Pacific region, that were not accessible previously. We prototype short runs of custom braids to fit our client's specific needs, and also can provide larger runs as well.

Products and services	Customised rope solutions using fibres, technology and expertise to ensure that the correct rope is being specified to ensure it is fit for purpose.
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Discriminators	Lancelin Pacific ropes are unique because they are custom made with care and your goals in mind. They are made to be extremely durable, high quality and the rope braiders always have the client's goals in mind when braiding. Lancelin Pacific has many advantages, mainly our location, meaning shorter lead times and access across the entire Pacific region.
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Capabilities	The combination of our knowledge and expertise in rope making, our one of a kind facility and the latest fibres and technology we use allows us to produce the most premium rope, suitable for our clients specific needs. Our talented rope braiders are crucial to our business, as they communicate thoroughly with our clients, throughout the process of making the rope, in order to make changes if necessary and create the perfect end product. As well as this, they provide instructions and training on how to use the rope in order to get the best results
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Key customers, partners and suppliers	<ul style="list-style-type: none"> • Infravision – Using drone technology and textile ropes to shorten lead time and infrastructure need to re string powered lines across the eastern seaboard, working with clients such as Ausgrid • Mining companies to help them move from wire to textile ropes to reduce weight for OHS purposes, as well as cost and improve visibility for safety inspections and improved usability. • DSM fibres – Access to the latest fibres and technology in textiles • Aero shot – Providing camera cables for use in stadiums and public areas throughout the world • Rivotow – Providing towing ropes for large vessels, customising when required and ensuring the correct break loads and durability in fibres and braids to make them fit for purpose
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Quality standards and accreditation	Australian Made license
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Contact	Justin Mulkearns Managing Director
	M +61 2 8904 0145 E admin@lancelinpacific.com

Website	lancelinpacific.com.au
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With over with 50 years combined Defence and legal experience, Lawforce Alpha is a specialist legal and commercial advisory service that is focused on serving and supporting the capability needs of Australian small, medium and larger sized enterprises that operate in the defence, security and aerospace services sectors. As a dedicated law and advisory offering for the defence, security and aerospace services industries in Australia, Lawforce Alpha aims to enable and support its clients to achieve their missions – the contribution to national sovereign capability through the supply of their products and services to our defence force and other security services.

Products and services Lawforce Alpha provides legal and commercial services on projects ranging from complex strategic prime contracts through to sub-contracting arrangements within the industry supply chain. Lawforce Alpha Partners Daniel and Stephen are connected by their shared passion, loyalty and 50+ years of combined legal experience and service with Australian defence and police forces.

Discriminators As long serving military members and lawyers in private practice, Daniel and Stephen have extensive experience in navigating and understanding the legal and commercial challenges that face participants in the defence, security and aerospace industry sectors – from both sides of the table.

Capabilities Lawforce Alpha has been recognized for its expertise in understanding the procurement regulatory environment, working within ASDEFCON and bespoke contract frameworks, helping clients balance risk with commercial reward and in relation to other important contracting matters such as intellectual property and if needed, dispute solutions.

Stephen and Daniel also advise industry clients of all sizes on all aspects of the Defence procurement, contract negotiation and contract management processes. Their extensive trusted networks and relationships within the Defence ecosystem ensure that Lawforce Alpha is able to provide commercial and solutions oriented services that advise, assist and enable a client's objectives.

Key customers, partners and suppliers

- Commonwealth of Australia
- Department of Defence
- Australian prime contractors & major service providers
- Small and medium enterprises, national and international
- Defence ground up innovators, veteran owned businesses, start-ups & scale ups
- UNSW Founders program – Defence 10X Accelerator

Quality standards and accreditation

Daniel Mendoza-Jones
 Lawyer of the Supreme Court of New South Wales; Member, Law Society of NSW; Royal Australian Air Force Specialist Reserve – Squadron Leader, Air Command Legal Panel; Security Clearance (NV2)

Stephen von Muenster
 Lawyer of the Supreme Courts of New South Wales, Victoria and the High Court of Australia; Member, Law Society of NSW; Australian Army Reserve – Major, Royal Australian Infantry; Security Clearance (NV2)

Contact

Daniel Mendoza-Jones
 Partner
 M +61 417 887 750
 E daniel.mj@lawforcealpha.com

Stephen von Muenster
 Partner
 M +61 417 724 573
 E stephen.vm@lawforcealpha.com

Website

lawforcealpha.com



McCONAGHY

The McConaghy name is synonymous with light, strong and reliable composite structures. Boasting an enviable 50 years in the marine industry, McConaghy's decades of experience in yacht construction has developed the company's reputation into a world-leading supplier across defence, commercial and wider marine sectors.

Products and services	<p>We design, manufacture, install and maintain composite structures where there is no room for error.</p> <ul style="list-style-type: none"> • Bespoke lightweight composite solutions, including conversion of metallic components into lightweight, corrosion-free, and fatigue-free components • Machining and bonding of syntactic foams into complex 3D structures • Full product lifecycle management: 2D and 3D design, engineering, prototyping, testing, manufacture, installation, repairs, and upgrades
Discriminators	<ul style="list-style-type: none"> • Enviably 50+ years track record in the marine industry: reliable, consistent, and innovative on every project • We work to customers' specific requirements and build a long-term relationship in the process
Capabilities	<ul style="list-style-type: none"> • 30m x 8m x 4.5m oven dedicated to manufacturing large carbon fibre prepreg structures • Skilled in all aspects of composite manufacturing. • 3D Printing solutions • CNC Machining
Key customers, partners and suppliers	<ul style="list-style-type: none"> • ASC Pty Ltd - Hobart-class Destroyers • James Cameron - Deepsea Challenger • BMT Asia Pacific - Kai Tak Radome • JEDS - Collins Submarine GRP Components • RADS - Sun Ray Glider • VEEM Ltd - GRP Stern Tubes • RFD Australia Pty Ltd (Survitec Group) - RHIB repairs • CSIRO Astronomy - Transparent Legs for ASKAP • Aerospace Industry - Honeycomb Panels • Offshore industry - Carbon Prototypes
Quality standards and accreditation	<ul style="list-style-type: none"> • ISO 9001:2015 Quality Management Accreditation • DISP Security clearance
Contact	<p>William Mueller General Manager</p> <p>P +61 2 9997 7722 E Will@mcconaghyboats.com</p>
Website	mcconaghyboats.com



Mellori Solutions, Australian veteran owned, and headquartered in Nowra, NSW, exists to deliver meaningful, impactful sovereign Electronic Warfare (EW) industry capability to Australia and to the wider international EW community. Mellori Solutions strives to keep people safe in a world they cannot see.

Products and services	Mellori provides a highly strategic and real-world approach to EW testing, training and technology; helping EW practitioners build skills, confidence and a sharp strategic edge when operating across this demanding environment.
Discriminators	<ul style="list-style-type: none"> • NSW based state-of-the-art EW research laboratory fitted with the latest specialist radio frequency test equipment, radar simulators and wideband EW receivers. • Technical and operational experts you can depend on to optimise the performance, value and sustainment of your electromagnetic warfare systems.
Capabilities	<ul style="list-style-type: none"> • Testing – Independent testing and customised threat simulations that push the boundaries of your mission-critical systems and personnel. • Training – Arming key personnel with enhanced capability and operational understanding of core electromagnetic systems through controlled and real-world EW training environments. • Technology – Pioneering future-facing sovereign EW hardware and software solutions to enhance safety and asset protection in response to known and future threat scenarios.
Key customers, partners and suppliers	<ul style="list-style-type: none"> • Joint Electronic Warfare Operational Support Unit (JEWOSU) – provision of specialist EW support since 2010 • Royal Australian Navy (RAN) – provision of training, testing and verification of EW Sensors and Millimetric frequency Range since 2014 • Australian Army – EW simulation and training since 2022
Quality standards and accreditation	<ul style="list-style-type: none"> • ISO-9001 – Quality • ISO-14001 – Environment • ISO-27001 – Information Security • ISO-45001 – WHS
Contact	<p>David Devine General Manager</p> <p>P +61 447 452 058 E ddevine@alkath.group</p>
Website	alkath.group



Based in Sydney, we are a specialist security services provider with over 100 successful engagements, offering independent and unbiased cybersecurity advice. Our uniquely Australian approach is backed by our home-grown methodology. We utilise research-led methods, which have been employed by Australian Defence projects, and offer a broad range of cyber security services. Our team consists of CREST accredited consultants, and we have been developing training programs within defence since 2018.

Products and services	<ul style="list-style-type: none"> • Security assessment, testing and assurance Services • Security Architecture, Governance & Engineering (SAGE) • IRAP Preparation & Assessment • Red Teaming and Adversarial Emulation • Cybersecurity Test & Evaluation (T&E)
Discriminators	<ul style="list-style-type: none"> • At the forefront of cybersecurity innovations • Converts expertise into actionable strategies • Agile interpretation of client requirements • Strong cybersecurity confidence and direction • Commitment to authentic service excellence • Dedication to client confidentiality
Key customers, partners and suppliers	<ul style="list-style-type: none"> • Defence industry • Healthcare technology • Financial services • Technology startups • Cloud service providers
Quality standards and accreditation	<ul style="list-style-type: none"> • AICD • OSCP • CISA • CISSP • SSCP • CREST • OSEP • OSED • OSCE • OSWE • CREST
Contact	<p>Mercury Information Security E info@mercuryiss.com.au</p>
Website	mercuryiss.com.au



Metakosmos is an Australian space tech company that is working on next generation spacesuits with applications across multiple environments like land, water and air. Our mission is to improve human performance in extreme conditions through groundbreaking solutions. We provide connected digital engineering solutions for complex engineering projects.

Products and services	Performance suits, exosuits for extreme conditions and a software to track human performance in extreme conditions (heat, CBRN, underwater, air & space)	
Discriminators	A unique modular suit platform (base layer, helmets, boots & life support) that can generate performance intelligence on the user. The core architecture is adaptable across multiple environments and this tech is in “provisional patent” stage. Direct sales and software subscription model available for testing.	
Capabilities	Systems Engineering, Digital Engineering, Product life cycle management, space systems, human performance, wearables, IOT systems and software development.	
Key customers, partners and suppliers	<p>Programs</p> <ul style="list-style-type: none"> • Defence Innovation Network Pilot program • New South Wales (NSW) Space Research Network • NVIDIA • Microsoft for Startups • Google Startup • AWS Activate 	<p>Partners</p> <ul style="list-style-type: none"> • Saber Astronautics <p>Suppliers</p> <ul style="list-style-type: none"> • Grogan Group, Lateral Software
Quality standards and accreditation	<p>Training programs</p> <ul style="list-style-type: none"> • Defence Business Development • Advanced ISO fundamentals • Defence export controls <p>Compliance standards</p> <ul style="list-style-type: none"> • AS9100, INCOSE MBSE, GDPR, HIPAA, NASA EVA Technical Requirements, Class A Human Rated Software 	<p>Awards</p> <ul style="list-style-type: none"> • Global Innovation Award 2023(Tech Connect World, Washington DC USA)
Contact	<p>Kiriti Rambhatla CEO M +61 477 670 368 E kiriti@metakosmos.com.au</p>	
Website	metakosmos.com.au	



The NSW Cyber Business Exchange (NSWCBE) is a partnership between Investment NSW and the Australian Information Security Association with the purpose of uplifting cyber capability in NSW businesses. The partnership facilitates communication and collaboration between business, academia, and government, and facilitates connections between NSW Cyber Security SMEs and other priority industries.

Products and services	The programs include a range of industry support initiatives including networking events, 'Meet an Expert' round tables, focus groups in the areas of defence, aerospace, agriculture and health, and mentoring programs.
Key customers, partners and suppliers	Any business, group or government department looking for a cyber security product or service.
Contact	Monica Millar Program Manager M +61 447 007 298 E monicamillar@aisa.org.au
Website	aisa.org.au



Pcubed is a leading global PMO and Project Controls consultancy, we support decision making by advising and deploying teams of co-pilots to help you in your bid, program/project and business delivery. We've been supporting the ASD Industry for 25+ years, leading Product or Process development, IT, or Transformation delivery.

Products and services	When scarcity of project leadership and delivery resources is the main challenge, we make your Program and Project Managers' lives easier, by providing managed teams of co-pilots, improved data value, and capability uplifts. We can advise, deliver and train.	
Discriminators	<ul style="list-style-type: none"> • By your side all over the world, with local delivery capabilities across the region • 30+ years of industry best practice, aligned and tested for money for our consumers. 	
Capabilities	<p>Our operating model is made to build up, develop, grow, and equip teams of specialists, working hand in hand to provide each program / project with collective intelligence of our Integrated team of 3000+ PMO consultants.</p> <ul style="list-style-type: none"> • No matter the contract, we manage our delivery as a service, enabling flexible delivery models (As a Service, solutions, teams, specialist roles) • Ability to build up teams rapidly to deliver desired outcomes • Extensive library of Intellectual Property and tools to support our engagements to ensure best practice is applied 	
Key customers, partners and suppliers	<p>Some of our main partnerships in ASD industry:</p> <ul style="list-style-type: none"> • Australian Department of Defence • Thales • Luerssen Australia • Naval Group • Airbus • Ministry of Defence • Safran • Leonardo • Navantia • MBDA • L3 Harris • Ariane Group • Bell Flight • BAE Systems • Dassault Systems • Rheinmetall • CNES <p>We are also proud users and advocates of Clayverest (https://clayverest.com), the platform designed by PMOs for PMOs, to help you drive faster decisions and dedicate time to what matters the most.</p>	
Quality standards and accreditation	<ul style="list-style-type: none"> • ISO9001 Group certification (Australia planned for 2024) • ISO27001 Group Certification (Australia planned for 2024) • People Excellence: HappyIndex®AtWork World 2023, HappyIndex®Candidates World 2023, LinkedIn Best Culture of Learning 	
Contact	Thomas Piner Operations Director M +61 432 244 364 E Thomas.pinier@migso-pcubed.com	Brad Purdy General Manager M +61 400 824 744 E brad.purdy@migso-pcubed.com
Website	migso-pcubed.com	

EXHIBITOR: OPIE MANUFACTURING GROUP

Opie Manufacturing Group provides world-class metal solutions and locally made turnkey products to Australian Industry. We service the Australian manufacturing community by providing practical design, utilisation of state-of-the-art processing equipment and industry 4.0 principles. We specialise in contract manufacturing to integrate our product into defence, transport, and infrastructure sectors.

Products and services	<ul style="list-style-type: none"> • ARGENT: SCEC B Class and C Class server racks. T4 approved • BOSCOTEK: Workshop Benches and High-Density Storage Solutions • SMC Stainless: Industrial Drainage and Commercial Washroom Products • Manufacturing of metal - ready to assemble components, and finished goods • Sheetmetal • Metal Sections (RHS, CHS, Channel and Angle)
Discriminators	<ul style="list-style-type: none"> • In-house engineering and design support to optimise performance in lean manufacturing and assembly • Sheetmetal storage design and fabrication specialists • Approved manufacturer of SCEC (T4) enclosures • Australia's largest robotic laser welding cell • ATA-approved weld results via robotic laser welding system • Fully integrated manufacturing environment: CRM, CIM, MES • 8000m2 facility of unrivalled automated sheet metal processing capability
Capabilities	<ul style="list-style-type: none"> • Design and prototype development (in-house team of industrial designers) • 2D and 3D sheet metal processing utilising laser cutting, punching & folding • Fabrication and Welding – Robotic Laser, Handheld Laser, Resistance, GMAW and GTAW • Full assembly, wiring and testing • Verification and validation – FAI, Part I.D., and traceability • Metal finishing • Powder coating
Key customers, partners and suppliers	<ul style="list-style-type: none"> • SAAB – use Argent SCEC server racks • BAE – use Argent SCEC server racks • Dept of Defence – use Argent SCEC server rack • Varley Group – supply of metal components. Defence: land 121, ground support equipment • Bale Defence – supply of metal components, Naval ammunition, and weapons storage, RTV (rugged terrain vehicle) • Taylor Bros – Design and fabrication SEA1180 crew accommodation
Quality standards and accreditation	<ul style="list-style-type: none"> • ISO 9001 • Implementing AS/NZS/ISO 3834
Contact	<p>James Hunt General Manager M +61 2 4728 6111 E james.hunt@opiegroupp.com.au</p>
Website	opiegroupp.com.au

EXHIBITOR: REACH ROBOTICS

Reach Robotics is extending human reach into harsh environments by creating tough, durable, advanced manipulation and perception systems. Our systems enable clients in mission-critical Defence and Commercial sectors to remotely inspect their infrastructure and intervene in their environment. We help our clients multiply their efficiency, eliminate risk, and improve safety. Reach Robotics was founded in 2016 and is headquartered in Sydney, Australia.

Products and services	<ul style="list-style-type: none"> • High-dexterity Robotic Manipulators for aggressive environments including subsea, land, nuclear, petrochemical and emergency response • Lightweight, tough and proven single and dual actuator systems • Intuitive, operator-centred Master Controllers & advanced GUI, Reach Control. • Variety of Grippers, Cutters & end-effector tooling for inspection & intervention. • Underwater Vision and Perception Systems • Underwater Micro IP cameras, ROV lights
Discriminators	<ul style="list-style-type: none"> • 1000+ hours field tested & proven integration on market-leading ROV platforms • Trusted by military and critical commercial forces in USA and AUS • Globally recognised, units sold to 30+ countries. • All electric ROV tooling with versatile integration options
Capabilities	<ul style="list-style-type: none"> • Infrastructure inspection including UWILD and Non-destructive testing (NDT) using CP, UT, and ACFM sensors • Special recovery operations • Counter IED and mine countermeasures tasks • Tooling intervention using underwater ROVs • Close visual inspection in confined spaces
Key customers, partners and suppliers	<ul style="list-style-type: none"> • Oil and Gas Tier 1 Service Providers • United States Military • United Kingdom Military • Australian Navy • Global Underwater Vehicle Manufacturers • Research Institutions and Universities
Quality standards and accreditation	<ul style="list-style-type: none"> • ISO9001:2015 Certified • Australian Trusted Trader – Accredited by Australian Border Force • Various Australian Government Competitive Grant awards
Contact	<p>Amanda Mathews Marketing Manage M +61 424 040 760 E a.mathews@reachrobotics.com</p>
Website	reachrobotics.com



Ron Allum Deepsea Services (RADS) is a 100% Australian owned company that designs, builds, and tests specialist underwater systems capable of operating in the deepest, most remote points on the planet. Founded in 2013 and based in Taren Point New South Wales, RADS has built a reputation as being a reliable, adaptable and responsive sovereign capability.

Products and services	<p>Unique sub-sea solutions include:</p> <ul style="list-style-type: none"> • Design, build and test of tailored autonomous underwater vehicles • Fibre-optic, electrical and mechanical terminations and connections • Buoyancy engines, thrusters, motors, balanced piston pumps and gear arrangements • Energy supply and distribution • Structural floatation materials
Discriminators	<ul style="list-style-type: none"> • Proven in-house solutions for vehicle floatation, chassis, power and propulsion • RADS Own IP for all power and propulsion solutions • Only manufacturer of Isofloat structural syntactic foam for 11,000 metres use
Capabilities	<ul style="list-style-type: none"> • RADS in-house mechanical, hardware and software teams design and manufacture vehicles and componentry tailored to the client's payload and operating depth requirements, capable of withstanding pressures at extreme to full ocean depth. • RADS in-house pressure testing facilities include: <ul style="list-style-type: none"> • 140 MPa water filled chamber • 207 MPa chamber – large, water or silicone filled • 207 MPa chamber – small, silicone filled • 2 x hydroclaves 14 MPa water filled vessels • Control systems for automated cyclic testing
Key customers, partners and suppliers	<ul style="list-style-type: none"> • Anduril Australia • Australian Antarctic Division • Advanced Navigation, Australia • Cellula Robotics, Canada • Jenkins Engineering Defence Systems, Australia • School of Ocean & Earth Science & Technology, University of Hawaii, USA • Thales Australia Limited, • Woods Hole Oceanographic Institute, USA
Quality standards and accreditation	<ul style="list-style-type: none"> • Defence Industry Security Program (DISP) Member • ISO9001 Accreditation in progress
Contact	<p>Yvette Allum Chief Operating Officer</p> <p>P +61 2 9519 0249 E yvette@ronallum.com</p>
Website	ronallum.com



SAPIIENT Advanced Technologies is committed to revolutionising the entire Defense and Commercial underwater inspection and certification industry. Utilising cutting-edge AI and embedded capabilities, our Autonomous Underwater Vehicle can be deployed anytime, anywhere, to autonomously identifying issues such as cracks, rust, paint pitting, excessive biofouling, and foreign objects.

Products and services	<p>Our product comprises two key components:</p> <ul style="list-style-type: none"> • InspectO: An AI-based software automating video data analysis and reporting from ship hull inspections conducted by divers or underwater vehicles. • BlueStingRay: An underwater vehicle with a dashboard interface providing sensor status and live footage down to 300m depths. <p>These components work in tandem to facilitate autonomous underwater inspections. Adopting our products reduces ship downtime, lowers the risk of accidents, and property damage. Our Enterprise solution further streamlines the inspection process, offering automatic anomaly detection and real-time reporting, minimizing errors.</p>	
Capabilities	<ul style="list-style-type: none"> • Advanced Machine Learning Algorithm: Our machine learning algorithm is result of state-of-art algorithm trained on gigabytes of data from 100s of inspection. • Custom Integrated Circuit with GPU Acceleration: Embedded system is utilising a custom designed integrated circuit with GPU acceleration for high-performance of data processing while consuming low power. • Real-time Data Processing: Our embedded system excels in real-time data processing. It can analyse data from multiple sensors, including cameras and sonar, instantaneously. This ensures that our inspections are not only accurate but also rapid, allowing for timely decision-making and action. • Fully Automated Inspection Report Generator: Fully automatics and customisable inspection report generator that also provide future prediction that can help in current and future decision 	
Key customers, partners and suppliers	<p>Australia Customers:</p> <ul style="list-style-type: none"> • Favcote Pty Ltd based in Ingleburn, Australia • The Department of Agriculture, Fisheries and Forestry based in Canberra, Australia • PhoenixZ Pty Ltd located in Botany Bay, Australia • CUSTOM R.O.V.S in Byron Bay, Australia 	<p>International Customers:</p> <ul style="list-style-type: none"> • SeaWay Diving (Canada), a commercial diving company involved in different types of underwater projects for underwater salvage, marine construction and inspection services
Quality standards and accreditation	Following ISO9001 best practices but not accredited in process	
Contact	<p>Avinash Singh Co-CEO</p> <p>M +61 412 358 347 E avinash.singh@sapiient.com.au</p>	<p>Sergio Martins Co-CEO</p> <p>M +61 0424 498 623 E sergio.martins@sapiient.com.au</p>
Website	sapiient.com.au	



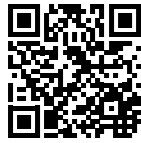
Our team of specialists have a wealth of experience across engineering disciplines and a strong track-record of delivering solutions for our clients. Most importantly, we understand the value of long-term relationships and being embedded in the businesses and industries that we serve.

Products and services	<ul style="list-style-type: none"> Advanced analytics and simulations applied in digital engineering methodology for design solutions suitable for complex structures and vessel design Design verification and certification to Australian and International Standards for mechanical, structural and pressure vessels Design of pipework and supports for HMAS Choules and Aircraft Hangar upgrades for HMAS Albatross 		
Discriminators	DISP member, NV1 clearances, focused on Naval sustainment and located central to major defence hubs in Sydney, Shoalhaven and Canberra. SOTO has a sovereign capable ecosystem of subject matter experts in fatigue analysis, composites, system dynamics, mechanical engineering, gear design, electro-hydraulic systems, automation and drive controls.		
Capabilities	<ul style="list-style-type: none"> SOTO is a 100% Australian-owned engineering design consultancy providing pragmatic solutions for various industries and contributing to Australian Defence, focusing on Naval sustainment servicing HMAS Choules and HMAS Albatross Proficient users of analytical design software, competent in multi-physics, multi-body dynamics and Digital Twinning, offering virtual simulations and CAD associativity using digital engineering and finite element analysis by highly skilled engineers and designers 		
Key customers, partners and suppliers	<p>We deliver our asset integrity services and high-end design engineering capabilities to many of the manufacturing and resource companies in Australia including:</p> <table border="0"> <tr> <td> <ul style="list-style-type: none"> BHP South32 BlueScope SIMEC RTIO GrainCorp </td> <td> <ul style="list-style-type: none"> WaterNSW Snowy Hydro Downer Alcoa Hanson Holcim </td> </tr> </table>	<ul style="list-style-type: none"> BHP South32 BlueScope SIMEC RTIO GrainCorp 	<ul style="list-style-type: none"> WaterNSW Snowy Hydro Downer Alcoa Hanson Holcim
<ul style="list-style-type: none"> BHP South32 BlueScope SIMEC RTIO GrainCorp 	<ul style="list-style-type: none"> WaterNSW Snowy Hydro Downer Alcoa Hanson Holcim 		
Quality standards and accreditation	<ul style="list-style-type: none"> ISO9001, 14001 & 45001 certified by Global-Mark DISP AIDN Member 		
Contact	<p>Jim Allan Chief Operating Office M +61 429 165 578 E jim.allan@soto.com.au</p>		
Website	soto.com.au		



Stella is a pre-eminent leader in design and engineering of precision machined products. Our mission, to master complex challenges, to produce at an elite level in terms of quality, speed and attention to detail. To grow in stature and productivity, not in size.

Products and services	Design, manufacture, assembly, and testing of mechanical systems for defence and automotive applications.	
Discriminators	<p>Over 30 years' experience in global automotive, mining, and defence manufacturing, quality systems, design, and product validation.</p> <p>State of the art CNC machining and coating facilities with full inhouse process control. Agile production facility with short run batch control to accommodate changing customer priorities and requirements.</p>	
Capabilities	<p>360 Degree control over all manufacturing and validation of processes.</p> <ul style="list-style-type: none"> Mechanical assembly design and development, with Finite Element Analysis. CNC machining, inspection, and statistical process control. Mechanical assembly with electromechanical test and validation. Automotive brake system and axle development. ADR test and compliance. 	
Key customers, partners and suppliers	<p>Customers</p> <ul style="list-style-type: none"> Electro Optical Systems. Drone Shield. Advanced Navigation. WABTEC Control Systems. Fortescue Future Industries. 	<p>Partners</p> <ul style="list-style-type: none"> Automotive Innovation Centre Land Air Sea Space Suppliers Thyssen Krupp Aerospace DECO Industrial coatings <p>Suppliers</p> <ul style="list-style-type: none"> Thyssen Krupp Aerospace DECO Industrial coatings
Quality standards and accreditation	<ul style="list-style-type: none"> ISO 9001:2015 TQCSI - JAZ-ANZ APAS certified paint facility AS9100 Rev-D system implemented. Certification in progress 	<p>Memberships</p> <ul style="list-style-type: none"> Australian Automotive Aftermarket Association SEMA Automotive International
Contact	<p>Michael Woodcock Managing Director M +61 438 059 301 E michael@stellaengineering.com.au</p>	
Website	stellaengineering.com.au	

EXHIBITOR: SYDNEY CITY MARINE

SCM is a purpose-built, vessel repair and maintenance shipyard & marina located on the waterfront in the heart of the Rozelle Marine Hub in Sydney Harbour, supported by a team of multi-skilled and experienced marine trades and labour since 2009.

Discriminators	<ul style="list-style-type: none"> • Purpose-built 2.4-hectare site on prime Sydney Harbour waterfront • Authorised DEF(AUST) 5000 Slipping & Docking facility by Head of Maritime Systems, • Authorised Key Divisional Supplier (KDS) by Head of Maritime Systems • The only 800 tonnes Lloyds certified ship lift on Sydney Harbour • 24-hour operation, Fully enclosed sheds that negates weather dependencies • Strategic Sydney CBD location within 10 minutes of Fleet Base • East by sea • Secure premises with swipe card access.
Capabilities	<ul style="list-style-type: none"> • Antifouling best practice anti-fouling, cleaning and recycling procedures designed to ensure biocides and harmful chemicals are not released into waterways and the general environment. • Strictly controlled and monitored systems for noise, water, debris pollution, • Senior management with over 40 years Defence experience with global experience managing significant Defence, government and commercial projects • 6 acres of waterside property • Vessel storage • Emergency docking services • 800 Tonne ship lift capabilities.
Quality standards and accreditation	<ul style="list-style-type: none"> • DEF(AUST) 5000, Slipping and Docking authorized • RAN Key Divisional Supplier (KDS) authorized • ISO 9001:2015, ISO 14001:2015 • AS 4801:2001 certification • ISO 9001 certification by Lloyds Register Quality Assurance under Accreditation Number MEL6017281/A • Chief of Navy Certificate of Appreciation – 2022 • Winner, 2017 Commercial Marine Industry Service Provider Australian Marine Industry Awards.
Contact	<p>P +61 2 8572 7800 M +61 400 942 575 E warren@sydneycitymarine.com.au</p>
Website	sydneycitymarine.com.au

ROVER: SYSTECON

For over 40 years, Systecon has helped decision-makers and suppliers with projects in areas such as resource dimensioning, ILS/LCC and Life Cycle Management. Our proprietary software 'Opus Suite' is the leading toolset for providing analysis and decision support to find the balance between performance and life cycle cost.

Products and services	For over 40 years, Systecon has helped decision-makers and suppliers with projects in areas such as resource dimensioning, ILS/LCC and Life Cycle Management. Our proprietary software 'Opus Suite' is the leading toolset for providing analysis and decision support to find the balance between performance and life cycle cost.
Capabilities	<p>OPUS Suite:</p> <ul style="list-style-type: none"> • SIMLOX: is the ideal tool for analysis and simulation of operations, maintenance concepts and spare equipment needs. With SIMLOX analysis, the timing of investments are made to meet the system's operational availability requirements. • OPUS10: is a world leading tool for optimizing spare parts and logistics solutions. OPUS10 optimizes operations against established costs and availability targets. • CATLOC: is a powerful tool for calculating and analysing Life Cycle Cost (LCC). CATLOC makes it easy to identify cost drivers and compare different alternatives of system design, operations, and logistics support.
Contact	<p>Andrew Perkins Country Manager M +61 476 828 148</p>
Website	systecongroup.com/au



Thomas Global Systems designs, manufactures, and supports highly engineered and reliable electronic systems solutions for commercial aviation, defence and other high-integrity transportation applications. For more than 65 years, Thomas Global has thrived by providing customers with trusted, innovative, and best-value products and services. The company focuses on avionics, armoured vehicle electronics, and specialised mission-critical electronics and training systems. Thomas Global operates high-technology R&D, advanced manufacturing, and support facilities in Sydney, Australia and Irvine, California.

Products and services	<p>Military electronics</p> <ul style="list-style-type: none"> • Tactical Computing and Display Systems – Our MRACS tactical computing system provides military vehicle OEMs and end-users with a modular, next-generation ruggedized tactical computing and display system customizable to suit program requirements • Flat Panel Displays – Designed for harsh operating environments, our high-resolution multi-function displays interface with legacy and current video standards and data buses and incorporate growth resources for future requirements • Cross Domain Solutions – Fully configurable Data Diode and Cross Domain Technology delivering high-integrity, secure communication management systems across voice, video and data classified & encrypted data networks for military vehicles
Discriminators	<ul style="list-style-type: none"> • Engineer trusted and innovative high-integrity avionics and defense electronics, since 1956 • Capability to design/certify products to the highest software/hardware design assurance levels • Agile and innovative approaches to design, sustainment, and obsolescence management • Facilities in Sydney, Australia, and Irvine, California
Capabilities	<p>With facilities in Irvine, California, and Sydney, Australia, Thomas Global Systems provides design-to-specification engineering services, complete turnkey manufacturing, and technical support. Our electronic systems are tailor-made to meet the requirements of military vehicles and integrate seamlessly with maritime systems and sub-systems to support a broad range of platforms and applications. Our track record includes participation in major naval programs such as Collins Class Submarine and ANZAC Frigate.</p>

Key customers, partners and suppliers	<ul style="list-style-type: none"> • Australian Defence Force • Rheinmetall • Thales • Safran • Hanwha • Raytheon • Saab Defence 	<ul style="list-style-type: none"> • L3 Harris • Northrop Grumman • Boeing • United States Army • United States Marine Corps • Thales – Training and Simulation Systems • L3 Harris – Flight Deck Avionics
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Quality standards and accreditation	<ul style="list-style-type: none"> • SIL4 Design Assurance • ISO9001 • AS9100D • MIL-STD-810 Environmental Test Methods • MIL-STD-1472 Human Engineering Design • MIL-STD-461 EMC Standard • Supplier to Australian & United States Department of Defence
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Contact	<p>Michael Hall Business Development Director M + 61 420 272 365 E Michael.Hall@au.thomas-global.com</p>
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Website	Thomas-global.com
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Founded as an Australian SME in 1965, TBH is one of the most respected project management consultancies in the country. Our reputation for assisting clients achieve successful project delivery outcomes has been achieved by providing highly skilled independent, objective and innovative professional services. TBH staff are experts in all aspects of project management with a particular focus on project planning, scheduling and controls including cost and risk management.

Products and services TBH's expertise enables cost effective early investment in the design and implementation of sound project planning, controls and delivery structures that achieve significant savings and superior project delivery outcomes for our clients.

- Discriminators**
- Australian owned company founded in 1965
 - Highly successful company exporting our services to Asia, Europe and UAE
 - More than 140 Australian Practitioners with over 90% as full-time salaried positions
 - Office locations: Sydney (Head Office), Adelaide, Brisbane, Canberra, Melbourne, Perth and internationally
 - Highly regarded expertise in planning, scheduling, management and controls of major projects across multiple industry and government sectors

- Capabilities**
- Integrated project planning, scheduling and controls
 - Project Planning, Scheduling and Controls
 - Expertise with all major scheduling tools including Open Plan Professional (OPP), Primavera P6 and Microsoft Project (server and standalone)
 - Schedule Risk Analysis
 - Cost and Earned Value Management (EVM)
 - Risk Management
 - Integrated Baseline Review (IBR) subject matter expertise and support
 - Project reporting and integrated dashboards including sub-contractor integration performance

Key customers, partners and suppliers

- CASG - IIP Portfolio Integrated Master Schedule, Project Controls Capability Enhancement (Scheduling, Project Controls, Earned Value and Independent Assurance)
- CASG - Hunter Class Frigate project, supply chain schedule development for prime contractor Contract Master Schedule Integration
- Integrated Australian Industry Capability (AIC) reporting framework and methodology for prime contractor
- LHD Sustainment. Project planning and scheduling
- ANZAC Frigate Sustainment Program. Portfolio, Program, and Project Management (WAMA)
- Osborne Naval Shipyard. Integrated Project Controls
- Navy Capability Infrastructure Sub-Program (NCIS-3) Building Works Stage 1, HMAS Stirling & Henderson

Quality standards and accreditation

- Defence Industry Security Program (DISP) Certification
- Environmental Management System - ISO 14001:2015
- Occupational Health and Safety - ISO 45001:2018
- Quality Management System - ISO 9001:2015

Contact

Drew Nugent
Director (Defence)
P +61 8 8312 5300
E drew.nugent@tbhint.com

Website

tbhconsultancy.com



Varley was established in 1996 and is one of Australia’s oldest and most advanced engineering companies. Varley’s current customer base is wide-ranging from individuals to governments and global corporations. Varley’s business in the Defence and Aerospace sectors extends to over 35 years of experience working in major defence acquisition programs, requiring design, manufacture and sustainment of mobile land-based systems, deployable infrastructure, aircraft ground support equipment, and ship building, maintenance and repair.

Products and services	<ul style="list-style-type: none"> • Deployable shelters, including integration of mission systems and support equipment • Lightweight, medium and heavy vehicle body modules, trailers and vehicle fit-outs for military, police, emergency, rescue, fire-fighting, communications and health capabilities • Aircraft maintenance docking systems and ground support and test equipment • Marine watercraft, fit-outs, gangways and access platforms • Development of INTROSPECTUS® for Essential Eight compliance as recommended by the Australian Cyber Security Centre (ACSC)
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Discriminators	<ul style="list-style-type: none"> • Supplier of world class innovative turnkey solutions • Long established and financially viable • Solid past performance delivering high quality workmanship • Highly skilled, experienced and diverse workforce • Advanced engineering, manufacturing and management practices
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Capabilities	<ul style="list-style-type: none"> • Project Management • Systems Engineering and Integration • Prototype Development • Light, medium and heavy metal fabrication • Precision machining and sheet-metal routing, cutting and folding • Vehicle body building and fit-out • Abrasive blasting and painting • Integrated logistic support • Verification and validation • Maintenance, repair, overhaul and upgrade
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Key customers, partners and suppliers	<ul style="list-style-type: none"> • Australian Defence Force: Logistics Shelters, SATCOM Trailers, AIR90 Deployable IFF Testing Capability, C-27J Maintenance Work Stands, F-35 Maintenance Access Platforms • Lockheed Martin: Deployable Duty Mission System (DDMS) Shelters, Tactical Air Defence Radar System (TADRS) Processing Cabins, F-35 Lifting and Handling Equipment • Raytheon: Evolved Sea Sparrow Missile (ESSM) Block 2 Storage & Transport Containers, Land 19-7 EO/IR Sensor Vehicle Modules • Boeing Defence Australia: Land 2072-2B Deployable Data Centre Modules, F/A-18F Work Stands, EC-135 Helicopter Maintenance Access Stands • BAE Systems: F-35 Aircraft Maintenance Access Platforms • Lendlease: P-8A Aircraft Maintenance Docking Systems • NZ MoD: P-8A Aircraft Maintenance Docking System • Northrop Grumman: KC-30A MRTT Aircraft Maintenance Docking System • Thales Australia: PMV-L Cargo Modules, ALSAV CPT Containers • Mercedes-Benz: Land 121 Phase 3A/5A Light and Lightweight Vehicle Modules • Rheinmetall: Land 121 Phase 3B/5B Medium and Heavy Vehicle Modules • Rohde & Schwarz: Transportable Air Operations Tower (TAOT) Mobility Systems
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Quality standards and accreditation	<ul style="list-style-type: none"> • ISO 9001:2015 • Australian recognised defence supplier • Member of Australian Defence Industry Security Program (DISP) • Recognised strategic supplier to Joint Strike Fighter (JSF) Program • NIST 800-171 • CMMC Level 1
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Contact	<p>Victor Ugarte CEO Defence P +61 249 640 400 E defence@varleygroup.com</p>
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Website	varleygroup.com
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Vault Cloud is an Australian owned and operated company specialising in secure, sovereign, hyperscale cloud infrastructure for over 10 years. Vault elevates security standards, providing a path from PROTECTED to higher levels of security. Vault has customers at a federal government and state government level, and across primes and the defence supply chain, supported by a valued partner ecosystem.

Products and services Vault provides highly secure cloud services including Secure Internet Gateway, Infrastructure as a Service, Back-up as a Service, Secure Container Cloud, Government Cloud Regions, and Critical Infrastructure Cloud Regions

Discriminators

- Vault maintains design parity on core cloud functionality across OFFICIAL, PROTECTED, and higher levels of security.
- Designed to TOP SECRET ISM controls; Physical, operational and jurisdictional sovereignty; Federal Government Strategic Certified; Secure AI/ML platform for classified data; and API driven, software defined infrastructure as code capability; Hybrid and multi cloud support including Secure Container Cloud

Capabilities Vault manages highly sensitive workloads and also facilitates seamless migration from on-premise to the cloud, offering reduced risk, cost savings, and accelerated deployment, all while ensuring stringent Australian compliance standards. Vault was the first cloud services provider to obtain the highest available certification from the Australian Signals Directorate.

Key customers, partners and suppliers	Key customers	Key partners
	<ul style="list-style-type: none"> • Federal Government • State Government • AirServices • Defence Industry • Defence Supply Chain 	<ul style="list-style-type: none"> • Fujitsu Australia • Secure State • xAmplify • Unisys • NRI

Quality standards and accreditation

- ASD Certified PROTECTED (04/2018)
- IRAP Assessed PROTECTED (06/2021, 03/2023)
- IRAP Assessed SECRET (05/2022, 03/2023)
- IRAP Assessed SIG (03/2023)
- Hosting Certification Framework - Strategic (12/2022)
- DISP Membership (12/2022)

Contact **Carl Jackson**
Defence and National Intelligence Leader
M +61 432 603 610
E carl.jackson@vaultcloud.com.au

Website vaultcloud.com.au



Viper WRL Pty Ltd is an Australian owned and sovereign manufacturer of automated wire rope lubrication systems. We design, manufacture, and deliver solutions for Best Practice wire rope lubrication. Integrating the latest technology and providing maximum performance in the harshest environments around the globe. Global distribution exporting to over 80 countries, supported by over 40 distributors worldwide.

Products and services The Viper WRL is available in 3 sizes suitable for wire ropes between:

- Maxi 50mm-165mm
- Mid 6mm-67mm (NATO NSN 4730-66-166-9603) and
- Mini 6mm-44mm (NATO NSN 4930-66-166-8448)

A range of Seals, Scraper Plates and Cleaners are also available. Utilising the complete system ensures you maximize the lubrication process by removing contamination and build-up of old lubricant and massaging the new lubricant into the core of the wire rope, leading to best practice for lubrication reliability.

Discriminators

- Provides a safer work environment by removing the manual application process
- Increases the life of equipment and wire rope assets by up to 300%
- Reduces manual labour required for relubrication by up to 90%
- Provides a safe, easy, quick, and effective means of lubrication of wire ropes
- Reduces waste with less lubricant used and discarded into the environment

Capabilities

- Specialty lubricant and wire rope reliability experts
- In-house specialist engineering and technical team
- Custom/bespoke designs and solutions
- On-site training Key customers, partners and suppliers

Key customers, partners and suppliers

- Australian Defence Force - Deployed 16 x Viper Mid WRL Kits on new recovery vehicles fitted with winches
- Royal Navy - Deployed 2 x Viper Mini WRL Kits for on-board crane and mooring wire ropes on RFA (Royal Fleet Auxiliary) Tankers
- US Yokosuka Naval Base - Deployed 1 x Viper Mid Kit to lubricate port crane wire

Quality standards and accreditation

Quality standards and accreditation

- ISO 27001 Information Security Management Systems
- ISO 14001 Environmental Management Systems
- ISO 45001 OHS Management Systems
- ISO 9001 Quality Management Systems

Contact **Bill Gommers**
Viper International Sales Manager
M 1800 676 699
E sales@viper.com

Website viperwrl.com

52 Martin Place
Sydney NSW 2000

GPO Box 5341
Sydney NSW 2001

T: +61 2 4908 4800

E: investment.nsw.gov.au/contact-us

W: investment.nsw.gov.au

Connect with us at
investment.nsw.gov.au/defence-and-aerospace



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