



# LAND FORCES 2021

CAPABILITY CATALOGUE



**Defence Teaming Centre**  
Connecting • Developing • Advocating



Government of  
South Australia

**DEFENCE SA**



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# Partner2Win

Achieving Operational Excellence

Today BAE Systems Australia is leading industry engagement with our local suppliers so that together we can continue to achieve new heights in operational excellence.

Our supply chain engagement program 'Partner2Win' brings together our strategic and critical suppliers including SMEs to collaborate on important initiatives and learn from our collective experiences to benefit our customer.

Our focus includes increasing Australian industry capability and Indigenous opportunities across our collective supply chains.

To learn more about Partner2Win and other strategic sourcing initiatives, please contact the team at [au.partner2win@baesystems.com](mailto:au.partner2win@baesystems.com)

[baesystems.com](http://baesystems.com)

**BAE SYSTEMS**



## IT SOLUTIONS FOR THE FUTURE

MANAGED IT SERVICES



VIRTUALISATION  
24x7 SOC Security Operations



CYBER INTELLIGENCE



CLOUD SERVICES



INCIDENT RESPONSE



- ▶ Pre-breach cyber-hygiene consulting, security profiling, analysis and testing.
- ▶ Prevention and early detection of breaches and advanced cyber threats.
- ▶ Reduction of the risk of cyber-attacks damaging brand, reputation and business operations.
- ▶ Defined and streamlined breach response processes.
- ▶ Dedicated cybersecurity expertise to augment the team.
- ▶ Post-breach investigation, forensics and recovery.
- ▶ Fully managed and redundant IT systems through multiple datacentres.
- ▶ Disaster recovery, data storage, and data backup services.



**DTC  
MEMBER  
CAPABILITY  
MATRIX**

**CAPABILITIES**

Quad Chart Page Number	GENERAL											ENGINEERING						MANUFACTURING						PROFESSIONAL SERVICES																				
	Robotics	Cyber Security	ICT	Intelligence, Surveillance & Recon	Systems Engineering	Testing Equipment	Software Engineering/Architecture	Electronic Warfare	Communications/Network	Machine Learning/Artificial Intelligence	Industrial	Construction & Infrastructure	Mechanical	Structural	Electrical	Civil	Mechatronic	Software	Systems	Safety	Electronics	Sheet Metal	Medium to Heavy Steel Fabrication	Plastics	Composites	Precision	Design/Creative	Legal	Workforce/HR Support	Banking/Finance	Bidding/Tender Writing	Communications	Project Management	Consultants	Logistics/Transport	Research & Development	Training & Education	Through-Life Support	Inspection, Testing, Certification & Asset Integrity					
BL Shipway & Co	-									●	●																																	
BMT	20																																											
Boeing Defence Australia	-				●							●	●				●	●																		●	●			●				
Boileau Business Technology	-		●																																									
Broadway Property Advisory	-									●	●																											●						
Bureau Veritas - Marine and Offshore	-	●			●							●	●						●	●															●	●	●	●	●	●				
Cadgile	-		●							●	●	●	●	●	●	●	●	●	●									●						●	●	●	●	●	●	●				
Caledonia Group	-									●	●	●	●	●	●	●	●	●	●	●	●						●							●	●	●	●	●	●	●	●			
Capral Aluminium	39																					●																						
Castech	39									●	●	●	●	●	●	●	●	●	●	●			●	●										●	●	●	●	●	●	●	●			
CEA Technologies Pty Ltd	-				●													●																										
CD Power	-									●	●	●	●	●	●	●	●	●	●	●	●																							
Checkside Pty Ltd	-																												●			●	●	●	●	●			●					
City of Prospect	-																																											
CK Property Group	-																																					●						
Clearswift	-		●																																									
Cobham Aviation Services	-			●	●	●						●	●									●	●																					
Codan Limited	40		●																																									
Commonwealth Bank of Australia	-																																											
Consunet Pty Ltd	-	●	●	●	●	●	●	●	●									●	●								●								●	●	●	●	●	●	●	●		
Coras Solutions	-											●	●				●																											
CQR Consulting	-																																											
Customs Agency Services	22																																					●						
Daronmont Technologies	22			●	●		●					●	●	●	●	●	●	●	●		●														●			●	●	●	●			
Dassault Systèmes Australia	-																																											
DCI Data Centres	-		●										●	●	●																							●	●					
DEC Workforce	-											●	●	●																●														
Dedicated Systems Australia	-	●	●	●	●	●	●	●	●						●			●	●																		●	●	●	●	●	●		
Defence Coating Systems	-									●	●																												●					
Defence Seals & Spares	40																								●	●														●	●			
Dematec Automation	41	●								●				●		●	●	●																				●	●	●	●			
Derby Rubber	41									●	●																●	●	●															
DEWC Services	42			●	●	●	●	●	●								●	●	●				●														●	●	●	●	●			
DHL	-																																							●				
Distinctive Training Services	-																																						●		●			
Draeger Australia	-																		●																									
Dtwin	-		●			●																																	●	●	●	●		
Easy Skill Australia	-	●	●	●	●	●	●	●	●	●	●																			●										●	●	●	●	
Electromek	-		●				●	●	●	●		●	●				●																											
Elexon Electronics	-					●			●	●	●	●	●	●	●	●	●	●	●	●	●	●																			●	●	●	●











# FOREWORD

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Welcome to the South Australia - The Defence State stand at the Land Forces Australia Indo Asia Pacific International Land Defence Exposition.

The Defence Teaming Centre and Defence SA are proud to showcase this exciting group of companies, with a breadth of capability spanning manufacturing, education services, cyber, electronics, professional services and more.

The Defence Teaming Centre is a nationally-focused organisation connecting and supporting Australian defence industry to develop capability and increase industry's competitiveness in domestic and global defence markets.

Defence SA is South Australia's leading government agency for all defence and space matters. It provides a single, focussed and strategic contact point for interaction across the South Australian Government to create an environment in which industry can thrive. Defence SA's mission is the sustainable economic growth of the defence sector in South Australia.

We encourage you to learn more about the companies represented on the South Australia - The Defence State stand in the front half of this capability catalogue and additional DTC members in the second half.

We welcome the opportunity to help you make new connections and forge productive industry partnerships.

# Developing Australia's defence industry to respond to tomorrow's defence needs.

The DTC is the leading industry association connecting and supporting the Australian defence industry, guiding and developing its members to navigate and win work in the defence sector.

Providing tailored services to meet the needs of companies of all sizes that are engaged in activities across Air, Land, Sea, Space and Cyber – the DTC is committed to supporting its members to succeed.

As a member of the DTC you join a supply chain community that includes Defence, Primes, professional service providers, academia and SMEs working together to build sovereign defence capability.



Are you  
in the team?



**Defence Teaming Centre**  
Connecting • Developing • Advocating

[dtc.org.au](http://dtc.org.au)

# THE DEFENCE STATE

**SOUTH AUSTRALIA IS A HUB OF DEFENCE ACTIVITY, UNDERPINNED BY INNOVATION, CUTTING-EDGE TECHNOLOGY AND A HIGHLY SKILLED WORKFORCE.**

Home to major defence companies spanning the maritime, aerospace, land, space, systems and cyber domains, South Australia attracts major projects through our world-class infrastructure and dedicated state-of-the-art defence precincts. We have created a highly competitive business environment for both suppliers and investors.

South Australia has an advanced industrial base actively delivering specialist services and products to the Australian Defence Force and other Defence customers around the world. The breadth and depth of our capabilities can be explored through the Defence Industry Directory, available online now.

**So when you think defence, think South Australia – The Defence State.**



View the directory



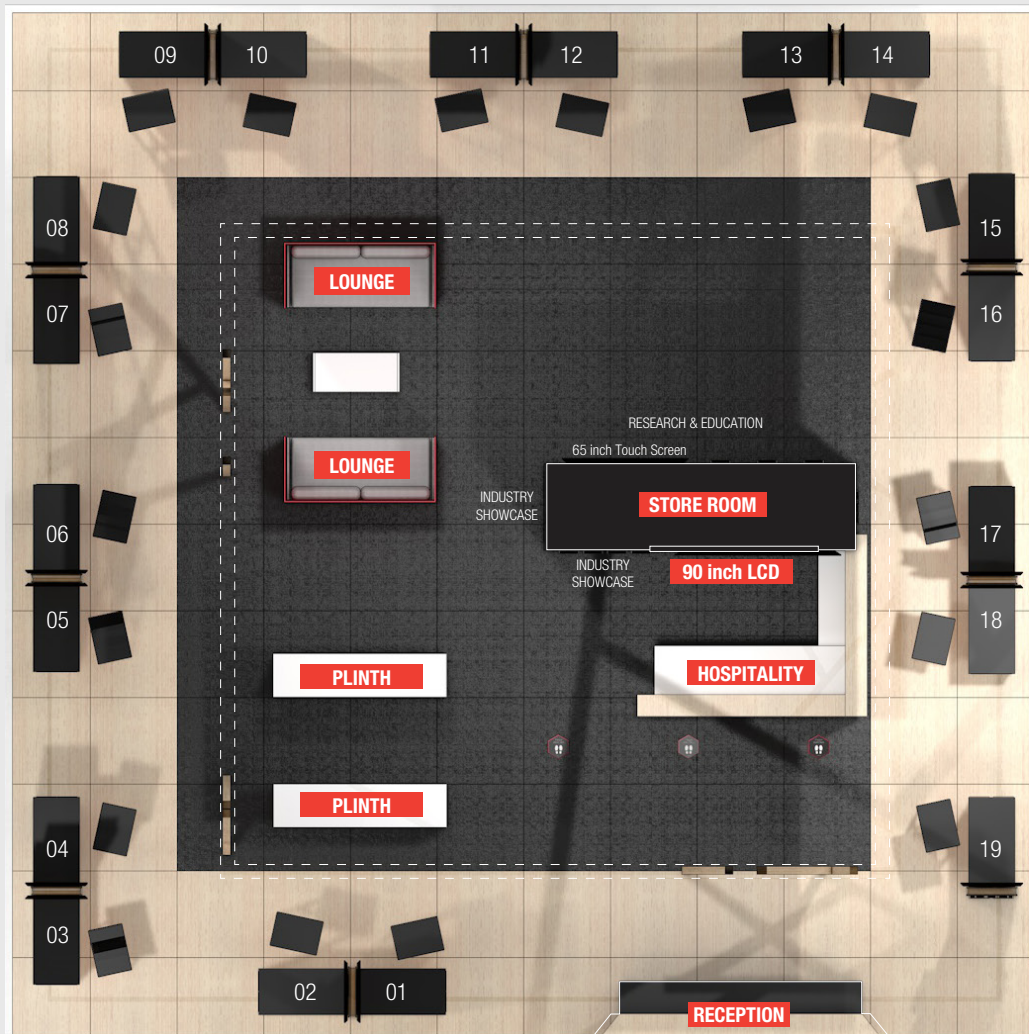
Government of South Australia

**DEFENCE SA**

For more information visit [defencesa.com](https://defencesa.com)

Satellite: Inovor Technologies

# LAND FORCES STAND FLOORPLAN



## Exhibitor Companies:

1. BMT
2. PRP Manufacturing
3. APC Technology
4. Acacia Systems
4. Mincham
5. elmTEK
6. Micro-X Ltd
7. Operational Systems Pty Ltd
8. United Fasteners
9. Ultra
10. Daronmont Technologies
11. Nobles (A Noble & Son Ltd.)
12. Century Engineering Pty Ltd
13. Axiom Precision Manufacturing
14. Vipac Engineers & Scientists Ltd
15. Trident
16. DEWC Systems
17. Key Tubing & Electrical
18. REDARC Electronics
19. Defence Teaming Centre
19. Industry Capability Network

## Showcase Companies:

- Aldom Transport Engineering
- CoolDiamond DLC by Norseld
- Rowlands Metalworks
- Silentium Defence
- Supashock
- Custom Agency Services
- Mott MacDonald
- Cold Logic

## Research and Education Zone:

- Flinders University
- The University of Adelaide
- Defence Innovation Partnership





# **SOUTH AUSTRALIA - THE DEFENCE STATE**

# Acacia Systems

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Supporting the Australian Defence Force since 1992, Acacia is a leading Australian defence software and systems engineering company engaged primarily in developing advanced mission management systems and tactical support applications.



## ► CAPABILITIES

- Design and development of Network Centric Tactical and Surveillance Data Management systems
- Design and implementation of detection, multi-sensor data fusion and tracking algorithms for Network Centric systems
- Simulation and analysis of advanced surveillance sensor systems
- Design of real time and distributed, open architecture systems
- Design and production of data acquisition, interfaces and processing hardware
- Integration of external/3rd party components into legacy Combat Systems, eg BYG-1 and 9LV.

## ► KEY CUSTOMERS

- Cobham Aviation Services
- Lockheed Martin Australia
- Safran Electronics and Defense Australasia
- Saab Australia
- Ultra Sonar Systems, (AUS/UK)
- BAE Systems, (AUS/UK)
- Boeing Australia
- Thales Australia
- Electro Optic Systems

## ► KEY MARKETS (Local / International & Potential)

- Australia
- UK
- Current opportunities in mainland Europe and North America

## ► DISCRIMINATORS

- Design and delivery of complex, 'next generation' Command and Control systems.
- System and sensor integration
- Design and implementation of complex algorithms, distributed system architectures, high fidelity sensor, environmental, performance models and analysis.

## ► QUALITY APPROVALS & AWARDS

- Current system based on ISO 3901 AS/NZS ISO 9001:2000
- DISP Level 2 Certification (Secret)

## COMPANY OVERVIEW

**Aldom was established in 1975 and is Australian owned** with a long history of fabrication, repair, rebuild, upgrade, modification, ruggedisation and assembly of light, medium, and heavy transport and mobile infrastructure. Based in Wingfield, South Australia, Aldom operates from an expansive, 17,000 m2 site with two undercover buildings totaling 5,000 m2, with 2 x 10 tonne OHG cranes.

## CAPABILITY

- MIG and TIG welding of Hardox®, mild steel, aluminium and stainless steel.
- Ability to provide Industrial Design services from concept to a deliverable and supportable product.
- Proven ability to take a project from design to a manufactured prototype in a short timeframe.
- Advanced 2D and 3D modelling using AutoDesk CAD and Inventor software, ruggedisation.
- Able to swiftly transition from prototyping to production.
- Ability to paint parts up to 15m (50ft) in length.
- In-house fibre-composite panel facility – used for refrigerated transport and deployable infrastructure (mobile: medical centres, Command & Control, accommodation, catering, energy generation and storage systems, water storage systems)

# ALDOM TRANSPORT ENGINEERING

## KEY CUSTOMERS

THALES  
AUSTRALIA

Raytheon  
Australia



## COMPETITIVE / DISCRIMINATORS

- Diversified across industry sectors and supply chains.
- Purpose built fabrication areas for repair, rebuild, upgrade and modification.
- Problem Solving through in-house engineering design AutoDesk CAD & Inventor.
- Build-to-print and bespoke fabrication and ruggedisation solutions.
- Business stability of 45 years with a proven track record of quality product and service delivered on time.
- In-house heavy vehicle certification to ADR.

## CERTIFICATIONS & ACCREDITATIONS

- Raytheon Australia - approved supplier
- DST Group - approved supplier
- Certified to Australian Weld Standard AS/NZS1554, AS/NZS ISO 3834 (in progress)
- AS/NZS ISO 9001:2015 (in progress)
- AS/NZS ISO 45001 (in progress)
- AS/NZS ISO 14001 (in progress)

## CONTACT

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DEFENCE MANAGER

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ALDOM.COM.AU

### Capabilities

- **Design** capabilities; includes mechanical design, CAD modelling, finite element analysis, electronic & electrical design and multilayer PCB design.
- **Prototyping** capabilities; includes proof of concept, 3D printing, industrial cutting & engraving, machining, fabrication, powder coating.
- **Temperature controlled manufacturing** facilities with the capability to produce small batch to mass production; build to print, build to specification.
- **In-house test facilities** including EMC/EMI, shock and vibration, thermal, solar radiation, environmental analysis and simulation.
- **Proven ability** to design, meet and exceed industry standards & compliance across international standards, including: MIL-STD, Def - Stan, DO-160, GVA, IECEx, ATEX, SIL, and EN.
- **Maintenance and repair**; includes hardware and sub-component repairs, defect analysis and reporting, extended warranty, return to base or field service options.
- **Sustainment** capabilities; includes obsolescence management; integrated logistics support; redesign engineering; reverse engineering; procurement, storage and condition reporting of hot swap spares; life of type analysis and sustainment forecasting & costing.

### Defence Ready Solutions

Displays & panel PCs | Consoles |  
Message handling systems | Mission systems |  
Critical communication infrastructure |  
Submarine control systems | Flight computers & recorders |  
Bespoke cabinets | Generators & power distribution |  
Modular rackmount systems | ICCP |  
Communication & intercom systems |  
Sensor fusion systems | Quality of life systems |

### Customers & Platforms

Raytheon | Thales | SAAB | BAE Systems | Lockheed Martin |  
General Atomics | Cobham | ST Technologies |

AOR | AWD | Collins Class | ANZAC Class | AMSA |  
CoastWatch | P3 Orion |

### Partners & Associations

Aish Technologies | Aitech| Cursor Controls | C4 Edge |  
Wormald | Major Australian & overseas defence primes |  
DTC | AIDN | TDA | SIA | Defence SA |

### Ben Hodge

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### Competitive Discriminators

- **30+ years** of proven capability supplying to the aerospace and defence sectors.
- **100% Australian owned & operated**; actively sourcing sovereign capability partnerships.
- A state of the art facility centrally located, offering **one location** for innovation, cost effective, custom design & engineering solutions.
- Extensive in-house environmental test capability enabling quicker turnaround, and low costs.
- Rapid adoption of **advanced manufacturing techniques** and technology.
- **Proven design** & manufactured solutions to meet MIL-SPEC 810, 461, 1275, 704, 901 and other applicable standards.
- Proven **obsolescence management**.

## AXIOM PRECISION MANUFACTURING

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**Certified System**  
Aerospace AS 9100  
**Certified System**  
Medical Device ISO 13485  
**Certified System**  
Environment ISO 14001

### AXIOM PRECISION MANUFACTURING

We are a family owned 41 year old South Australian SME that specializes in the manufacture of components and assemblies for the Defence, Aerospace, Space and Medical Device industries

[www.axiompm.com.au](http://www.axiompm.com.au)



### ▶ CAPABILITIES

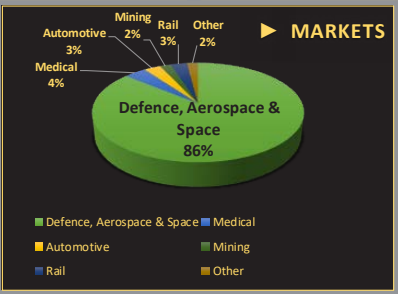
- Precision 5 Axis CNC machining
- Co-ordinate measuring and reporting
- In-house Mechanical & Electronic Design
- Precision electro-mechanical assembly and integration
- Tooling and injection moulding of polymer composites
- Precision fabrication

### ▶ DISCRIMINATORS

- ITAR and Zone 3 Defence Secure Facility
- 38 High Precision CNC machining centers
- 4 CMM's & FARO capability for Measurement Reporting & 3D Scanning
- Temperature controlled ITAR machining area – up to 3.0m part length
- Precision electro-mechanical assembly and integration
- Environmentally Controlled Room for Electronics Assembly

### ▶ KEY CUSTOMERS

- BAE Systems Australia – F-35 JSF
- L-3 Harris – SILVERSHIELD
- Raytheon – Consoles & Cabinets
- Boeing Defence USA – CH-47 Components
- ASC – Collins Class Sub Components
- SAAB – Electronic Hardware
- DST– Prototype Development



### ▶ CERTIFICATIONS AND AWARDS

- AS 9100D/ISO 9001 (Aerospace & Space)
- ISO 13485 (Medical Devices)
- ISO 14001 (Environmental)
- Winner: DTC Outstanding SME Award 2016
- Finalist: Optus Business Awards, Defence 2018
- Finalist: Australian Defence Industry Awards 2019

# BMT



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Business Development Manager - Defence  
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www.bmt.org

BMT is a world leading, independent marine design and engineering firm.

Our expert marine engineers and naval architects work on major Australian projects in defence and security sectors providing trusted, independent advice.



## Capabilities

- Warship and Submarine Design
- Life Extension and Disposal
- Design and Production Assurance
- Discrete Event Simulation
- Asset management
- Modelling and Decision Support
- Fleet Life Cycle Management
- Research and Development
- Marine Engineering
- Training Solutions
- Project Management
- Risk and Safety Management
- Cost Modelling and Analysis

## Discriminators

- Insight - Exploring capability options and giving clients a clear view of risks and opportunities.
- Independence - Providing impartial and trusted advice to decision-makers.
- Investing - Developing deep specialist engineering skills and expert asset management capability in Australia for the long term.
- Integrated - Delivering both strategic advice and execution in the form of practical hands-on engineering and support.
- International – Local knowledge and insight to deliver projects in Australia by Australians with the benefit of direct access to a variety of ‘Five Eyes Experience’.

## Key Customers

- Department of Defence
- Commercial Maritime Companies
- Other Government Departments
- Prime Contractors
- SMEs
- Universities

## Key Markets

- Defence and Security
- Consultancy and Advisory
- Combat Systems
- Commercial Shipping
- Education and Training
- Safety and Security
- Simulation
- Asset Management
- Engineering Services

## Quality Approvals & Awards

**ISO 9001** - As part of our commitment to quality and continual improvement, BMT holds a formal quality accreditation to the ISO9001:2015 Quality Management System standard.

**DISP** - BMT is a member of The Defence Industry Security Program (DISP), a risk mitigation and assurance program maintaining the integrity of Australia's Defence capability.

**DSS** - Through our selection under the Defence Support Services (DSS) contract, the engineering capacity and competency of BMT has been established and as such provides confidence in the credibility and capability that we have to offer.

**Royal Institution of Naval Architects** – BMT offers training courses in Submarine Design and Engineering and Whole Life Warship Capability Management. These two courses are accredited by the Royal Institution of Naval Architects and may provide participants with CPD points.



ENGINEERING MANUFACTURING DEFENCE MINING/ENERGY WATER POWER

We are **passionate** in partnering with owners of **critical** equipment to provide **value**

### PRODUCTS

We are a multi-disciplined company providing a range of end-to-end solutions for Defence and other Industries. Century is a well-established engineering manufacturer, offering high quality complex manufacturing solutions for our customers products. An Australian owned business, employing 120 skilled manufacturing personnel located in Adelaide's Edinburgh North industrial precinct. In-house capability includes large CNC machining, specialized fabrication, in house painting and assembly capability. Experienced trade teams complement quality & management departments when it comes to delivering multi-process build-to-print equipment manufacturing for our Defence customers.

Past Projects - Land:

- M113AS4 APC upgrade - 125 vehicles
- 155MM -M777A2 artillery munitions systems
- Anti Rocket cage system for ASLAV
- ALHS Automated Load Handling System

### CAPABILITIES

- Complex fabrication
- High tolerance CNC machining
- Sub system / Sub assembly
- In-house surface treatment
- Product assembly
- Through process NDT testing
- Through process material traceability
- Production operations MRP system
- CAD design & drafting
- MDR report management

### DISCRIMINATORS

- 10,000sqm manufacturing facility
- 25 years experience in Defence Industry supply
- Trusted defence supply across Land & Naval customers
- End-to-end manufacturing capability
- Commitment to investing in capital and manpower to develop and maintain a sustainable future
- Diverse across market sectors – Defence, Mining, Power, Water
- Enduring customer relationships – Business established in 1947
- 100% South Australian owned and operated

### KEY CUSTOMERS

- ASC
- Babcock
- BAE Systems
- BAE Systems Maritime
- BHP
- Boeing Defence Aust.
- Boart Longyear
- Downer
- ElectraNet
- General Dynamics
- GPC Electronics
- GFG Alliance
- PMB Defence
- Metso Minerals
- Monadelphous
- Supashock
- Thales
- Xstrata

### QUALITY & CONTACT

ISO 9001:2015 Quality  
ISO 14001 Environment  
ISO 3834 Welding  
AS/NZS 4801 Safety  
DISP Level 1 Membership

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### Affiliations & Memberships



## Capabilities

- NH<sub>3</sub>, CO<sub>2</sub>, HFC and HFO system expertise
- Complete project life-cycle
  - Design, manufacture, install and commissioning
- Bespoke refrigeration systems
- Custom controlled environment systems
- Heat load calculations and assessment
- Breakdown servicing and maintenance
- System upgrade and replacement consultancy

## Key Customers & Projects

- ASC
  - Collins Class refrigeration equipment upgrade
- Taylor Brothers
  - RAN ship galley refrigeration upgrade
- Boeing Aerostructures Australia
  - Production cooling equipment maintenance
- Daronmont Technologies
  - Shelter Cooling System Development
- Coopers Brewery, Haighs Chocolate, TFI
  - Refrigeration maintenance provider

## Expertise & Advantage

- Custom refrigeration solutions and packages
- Whole system lifecycle expertise in-house
- 24/7 national breakdown and service response
- Remote and rural client location support
- Energy efficiency optimisation
- Established Australian supply chain
- Multi-sector experience and expertise

## Accreditation & Memberships



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## COOLDIAMOND DLC By Norseld

[www.cooldiamonddlc.com](http://www.cooldiamonddlc.com)



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Advanced Diamond-Like Carbon coating solution for protection of optics and friction surfaces including plastics. CoolDiamond DLC gives superior wear protection against dust, sand, salt spray, other 2<sup>nd</sup> body particles and various thermal and electrochemical applications. Tetrahedral bonded Diamond-Like Carbon. CoolDiamond DLC offers a Sp3 percentage >75%.



### ▶ CAPABILITIES

- Coating at room temperature enables plastic coating
- Stable, successful, profitable and proud business of over 30 years
- Cost effective solution means a cheaper alternative to current methods
- Already a global exporter to more than 30 countries
- Team of 20 staff, 2 x PhD subject matter experts

### ▶ DISCRIMINATORS

- Norseld is a 30 year old company with its manufacturing in the Adelaide CBD
- Only Diamond-Like Carbon coating company in the world that can coat at room temperature
- The Norseld process is unique in its superior quality and speed - 600nm/min, scalable

### ▶ KEY CUSTOMERS

- In discussion with a number of defence primes (BAES, SAAB, L3 Warrior Systems, Thales, Rheinmetall, Boeing, NGC, Raytheon etc.) and tier 2 and tier 3 companies regarding applications to sensors, mechanical parts.
- Formula 1 and Engine industry
- Conducting research in DLC for universities (University of Adelaide, University of Dublin)

### ▶ KEY MARKETS (Local / International & Potential)

- DLC application is wide and varied (e.g. night vision goggles, HUD), engine parts (tribology), sensors and components
- Optics, Defence, Space, Engine, Medical
- Work in cooperation with universities on research projects

### ▶ QUALITY APPROVALS & AWARDS

- AS/NZ ISO 9001 :2015
- AS/NZ ISO 13485 :2016
- TGA Certification
- FDA Quality System regulation 21 CFR 820
- EU council Directive 93/42/EEC
- ITAR compliant

# CUSTOMS AGENCY SERVICES GLOBAL LOGISTICS

AUSTRALIAN-BASED GLOBAL CONTROL TOWER

## COMPANY OVERVIEW

- Founded in 1976, Customs Agency Services (CAS) are now one of Australia's largest International Freight Forwarding and Customs Brokerage Organisations.
- Almost 50% of revenue now comes from the Defence and Aerospace vertical.
- Turnover in excess of AUD 60 million per annum.
- Team of 40 highly qualified industry professionals in Adelaide.
- Recognised globally as Australia's leading Defence & Aerospace Logistics Provider.

## AUSTRALIA'S SPECIALIST DEFENCE FORWARDER

CAS are currently supporting Primes and SME's in the following Defence sectors:

- Land
- Maritime
- Aerospace
- Space
- Firearms and Munitions
- Situational Awareness

## COMPETITIVE DISCRIMINATORS

- In the last 5 years alone CAS have arranged the international logistics for over 3,000 military vehicles.
- Recognised globally as Australia's best logistics solution for Defence and Aerospace. Global footprint with partners in over 700 locations globally.
- 24/7 global availability for emergency and AOG logistics.
- Pre-project costing and compliance advice.
- Recognised and approved by Washington & Canberra under the Defence Trade Controls Regulation 2013 - "Intermediate Consignee Approved".
- Over 45 years experience supporting Air, Land and Sea projects.
- 100% Australian owned and operated, maximising Australian Industry Capability (AIC).

## CAPABILITY

Providing the following services globally:

- International Freight Forwarding
- Customs Clearance
- Domestic Freight Forwarding
- Global Logistics Consultancy
- ITAR & EAR Guidance
- Warehousing and Distribution

## CERTIFICATIONS / ACCREDITATIONS

- DISP approval received November, 2020
- The CAS Reconciliation Action Plan (RAP), launched in August 2019, is one of the very first logistics reconciliation action plans with the Australian Aboriginal and Torres Strait Island communities.
- Ranked 2nd with a 64% female workforce participation rate in Australia's Defence Company Sector by ADM magazine 2020.
- Awarded "Australia's International Freight Forwarder of the Year 2014, 2015 & 2020" by Lloyds of London's Australian subsidiary.
- Awarded "Customs Broker of the Year 2016 and finalist 2015" by Lloyds of London's Australian subsidiary.
- Defence, ITAR & EAR compliant. Dangerous Goods certified and Accredited Air Cargo Agent (AACA and IATA).
- CAS were the first International Forwarder & Customs Broker to receive "Australian Trusted Trader" accreditation on 20th December 2016 (Similar to Europe's AEO).



For more information, contact:

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[www.caspl.com.au](http://www.caspl.com.au)



## Daronmont Technologies

Creating Enduring Advantage

### Capability Statement

Australian-owned systems integration SME Daronmont Technologies has been supporting the Australian Defence Force for more than 23 years, employing 100 staff and operating primarily in the Defence electronics sector integrating and supporting passive surveillance systems, command and control applications and deployable C4I systems for Australian and Allied export customers. Daronmont designs, delivers and supports hardware and software intensive systems and integrates these into both fixed and deployable solutions. Daronmont has a track record of successful export.

### Capabilities

- Broad Systems Integration Capability - Hardware, Software, Mechanical, Security and Mobility
- Communications ESM and Direction Finding Systems including Calibration
- Air Battle Management C2 Systems
- Air Traffic Control and Ranges Mobility and C2 Systems
- Link 11 and 16 Training Systems
- Engineering Support to DST Group
- 24/7 Support for Remote Communications and Surveillance Systems
- Passive Radar and HF Surface Wave Radar

### Key Customers

- CASG (JSD), DST Group, Army, Australian Border Force, AFP
- Defence Innovation Hub - Passive Radar
- Raytheon - Woomera remediation
- BAE Systems - JORN Ph 6
- SAAB - SEA 1180 ESM
- RNZN - Protector ESM remediation and MSC ESM
- Lockheed Martin Canada - AOPS ESM
- Kongsberg Defence Australia - LAND19 7B
- Indra Australia - Deployable ATC and Deployable C-IED (LAND154)

### Key Partnerships

- SEA UK - SEA1000, SEA5000
- Ascent Vision Technologies - C-UAS
- Raytheon Solipsys

### Discriminators

- Multiple platform/Domain experience (installation, integration, set to work, support)
- Proven R&D/Developmental Engineering Capability
- Successful track record with CASG, Air Force, Navy, Army, DST Group and multiple Primes
- Award winning project delivery in Australia and NZ
- Previous AEO accreditation - S&CSPO (MCRC Project) - Acquisition and Support
- ASDEFCON Prime Acquisition and Support Capability
- Party to multiple TAAs - ITAR and export proven
- Proven capability to provide long term support to surveillance and C2 systems

### Membership

- DTC
- Australian Defence Alliance
- Victorian Defence Alliances
- Association of Old Crows

### Quality Accreditations and Awards

- Defence Industry Security Panel (DISP) accreditation
- ISO 9001:2015
- Essington Lewis Trophy Winner - 2008 and 2012
- Defence Teaming Centre Outstanding SME Award 2012 and Innovator Award 2013
- NZDIA Project of the Year 2015

### Contact Details

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MAWSON LAKES SA 5095  
Ph: +61 8 8359 9666  
Email:  
[marketing@daronmont.com.au](mailto:marketing@daronmont.com.au)



[www.daronmont.com.au](http://www.daronmont.com.au)



### Services

- Connect members to opportunities in the defence sector
- Lead industry engagement
- Lead the formation of collaborative business relationships using ISO44001
- AIC policy advice and plan development
- Defence sector specific industry development and leadership programs
- Advocate on behalf of SMEs on defence industry related matters

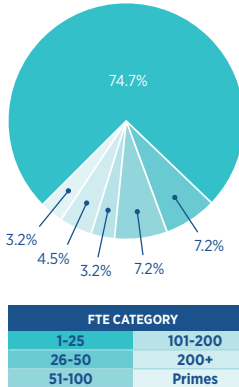
### Discriminators

- Dedicated team who guide and develop members to navigate and win work in the defence sector
- Ongoing investment into information resources to build stronger and more capable SMEs delivering for Defence
- Members are part of a supply chain community that includes Defence, primes, academia and SMEs to build sovereign capability
- Members receive free access to specialist industry advice

### Key Partnerships

- Centre for Defence Industry Capability (CDIC)
- Australian Industry Group (AiGroup) Defence Council
- Naval Shipbuilding College
- Advanced Manufacturing Growth Centre (AMGC)

### Members Include



### Prime Supporters:



### Gold Sponsors:



### Silver Sponsors:



### Bronze Supporters:



Defence Landing Pad, Margaret Graham Building, Lot Fourteen, Frome Road, ADELAIDE SA 5000 t: +61 8 7320 1000 dtc.org.au

# DEWC

— S Y S T E M S —

### Company Profile:

**CONCEIVE. INNOVATE. DELIVER. REPEAT.**  
DEWC Systems develops novel and effective solutions to sophisticated electromagnetic battlespace challenges faced by the Australian Defence Force and the defence industry.

We collaborate with Universities, DSTG, Defence and other industry sectors to solve complex and challenging problems.

DEWC Systems has developed a strong reputation for innovation and, as the first Australian company to launch a payload on a space capable rocket from Australian soil, helped lead Australia into the Space 4.0 era.

Through our work in Defence and Space, we have developed a product range which has applications across a number of industries, including Mining, Information Technology, IoT and Cyber Security. DEWC Systems can offer truly sovereign alternatives and develop solutions that can be tailored for industry needs.

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innovations@dewcsystems.com  
dewc.com  
linkedin.com/company/dewc

### Key Projects and Products:

- Miniaturised Orbital EW Sensor System (MOESS)
- Artificial Intelligence (AI) for RF classification
- Local Area Electromagnetic Environment Generator (LEEG)
- Real Time Wearable Radiation Dosimeter
- Wombat S3
- Sensors Telemetry and Communications (StA-C-N and StA-C-P)
- Secure IoT Gateway

### Discriminators:

- 100% Sovereign. Wholly owned and operated by passionate Australian Veterans.
- Vast experience in Electronic Warfare (EW), engineering, operations and planning
- A leader in innovation
- The first company to launch a payload on a space capable rocket from Australia
- Dedicated team of experts in AI led by a pre-eminent leader in the field
- Vast experience in Radio Frequency (RF) engineering and design

### Capabilities:

- EW engineering
- Software engineering
- Embedded software
- VHDL, VERILOG
- C, C#, C++, Linux, MATLAB, Python, Java, CUDA
- Systems engineering
- PCB design, Altium
- Electronics engineering
- RF and EO sensor design and engineering
- Engineering design for space applications
- Modelling and simulations




### Key Clients, Partnerships & Affiliations:





## Company Overview

elmTEK supplies innovative products and solutions in the Intelligence, Surveillance, Reconnaissance and Electronic Warfare (ISREW) domain. We deliver projects using a tailored engineering process to meet demanding functional and performance requirements and client expectations. Central to elmTEK's value proposition is our ability to work closely with our clients and blend Science and Technology (S&T), innovation and reliable engineering principles to ensure our solutions maintain the edge. Our background and pedigree in working with the Department of Defence has enabled us to establish a strong S&T capability across the aerospace, land and maritime domains.



### Capabilities

- ✓ Modelling and Simulation
- ✓ Platform Systems Integration
- ✓ Situation Awareness Technologies
- ✓ Test & Evaluation Systems
- ✓ Software Assurance Services

## Core Competencies

- Independent and Australian owned business, operating nationally
- Balanced workforce comprising engineering, science and mathematics
- Agile software development with rapid hardware design and prototyping
- Access to established design support and supply chain networks
- Compliance with software development and assurance standards
- Established pedigree in the development of simulation models of complex systems for use within Live, Virtual and Constructive (LVC) environments
- Experience developing data distribution architectures including Generic Vehicle Architecture (GVA), VICTORY and MIL-STD-1553
- Applied knowledge in the areas of sensor integration, data acquisition and analytics
- Development of situation awareness technologies and human performance systems

## Certifications & Memberships

- ✓ ISO 9001:2016 accredited Quality Management System
- ✓ Member of the Defence Industry Security Program
- ✓ Member of the Defence Teaming Centre
- ✓ Member of Simulation Australasia
- ✓ Member of Asia Pacific Simulation Alliance



## Customers & Standards

### Our Customers

- Defence Science & Technology (DST) Group
- University of Canberra
- Australian National University (ANU)
- Daronmont Technologies
- SAAB
- BAE Systems

### Industry Standards

- ISO 12207:2017
- RTCA DO-178B/C
- Def Stan 00-55 & 00-82
- IPC / WHMA A-620C
- IEC 61508
- EN 50128:2011
- MISRA C/C++
- CERT C and CWE



One of Australia's most progressive and innovative institutions, we have earned an international reputation for research that tackles real-world challenges. As host to a suite of flagship national research centres, Flinders brings together the world's finest minds to develop new technologies and practical solutions.

### DISCRIMINATORS

- 2020 Training and Mentorship Program of the Year for the Diploma of Digital Technologies in Defence Connect's Australian Defence Industry Awards.
- First Australian University to be endorsed by the Naval Shipbuilding College for delivering Engineering courses, aligned with the future employment needs of the defence industry.
- No.1 in AUSTRALIA for overall experience in Business & Management\*
- No.1 in AUSTRALIA for learning resources in Engineering\*\*
- More than 100 partner institutions across 33 countries.
- 90% of research ranked at or above world class by Excellence in Research for Australia.
- Ranked in the top 2% of the more than 18,500 universities in the world\*\*\*

\*The Good Universities Guide 2021, overall quality of educational experience (postgraduate).  
 \*\*The Good Universities Guide 2020 (undergraduate).  
 \*\*\*THE World University Rankings 2019.

### KEY COLLABORATIONS

We work with some of the world's foremost defence and technology companies, ensuring our research is real-world tested and ready for commercial application. Existing partnerships in areas related to Defence research include:

- BAE Systems
- Thales
- Boeing Defence
- Lockheed Martin
- Northrop Grumman
- Naval Group
- Defence Science and Technology Group
- ASC

## RESEARCH STRENGTHS AND CAPABILITIES

### Nanotechnology and material sciences

Working in collaboration with forensic and analytical sciences, the Flinders Institute for Nanoscale Science and Technology is investigating ways in which nanotechnology can be applied to create revolutionary solutions to real-world problems, which include: Chemical sensors and biosensors, energy generation and storage, additive manufacturing, corrosion protection and antifouling coatings. Flinders has a long-standing collaboration with DST Group and industry in the area of energetic materials.

### Autonomous Systems and Engineering

Our research strengths are in autonomous surface vessels and autonomous underwater vehicles. We are currently working with industry to investigate and improve a range of technologies such as: launch and recovery of autonomous marine vehicles, autonomous mission planning, simultaneous localisation and mapping techniques, state estimation and tracking, navigation in GPS-denied environments, antifouling materials for submarine sonar arrays, battery technology, fibre optics and advanced composite materials.

### Advanced Manufacturing

Flinders University has partnered with BAE Systems to develop and pilot advanced manufacturing technologies used to build Australia's Hunter Class frigates. The partnership will drive digital transformation through advanced robotics, assistive manufacturing and readiness for Industry 4.0 utilisation – both inside the shipyard and more widely in the Australian supply chain. A joint research laboratory between Flinders University and BAE Systems Maritime Australia was opened in February 2020. Flinders is also home to the Line Zero Factory of the Future initiative designed to bring together education, industry and government to facilitate the implementation of Industry 4.0.

### Human Performance

Flinders researchers from across a range of disciplines are working with Defence and industry to support the ADF in human performance. This includes areas of research associated with decision-making and new augmented reality technologies, with Flinders University working with Defence as part of the Human Performance Research Network and Research Network for Undersea Decision Superiority.

### Cyber Security and EW

Flinders is home of the Jeff Bleich Centre (JBC) for the US Alliance in Digital Technology, Security, and Governance. JBC conducts cutting-edge research in contested cyber domains, aspiring to a safer cyber world where the institutions of liberal democracy can flourish by using digital technologies for positive transformation.

Flinders has recently partnered with Defence in a new \$5 million research and education program to establish and grow EW related training and research. This has included the appointment of a new Chair of Electromagnetic Systems and Security to be based at Flinders.

Contact Flinders University today to see how we can build a powerful research partnership with your organisation.

### CONTACT DETAILS

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 Defence Partnerships Director  
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 flinders.edu.au/defence

**FLINDERS.EDU.AU/DEFENCE**





### Capabilities

KEY is a specialised tubing and electrical company that has been providing innovative and cost-effective design and manufacturing solutions to a global customer-base for over 70 years.

With extensive in-house capabilities and quality assurance processes, KEY ensures reliability, across the supply chain and product performance.

#### CORE CAPABILITIES

##### Electrical

- Custom cable manufacturing
- Standard and custom moulded electrical connectors and terminals
- Over moulding for electrical connectors, cable strain relief, electronic and electrical waterproofing
- Cable extrusion, specialising in custom electrical, data, antennae and heater cables
- Electrical Harness assembly

##### Tube

- Tube assemblies for refrigeration, cooling and heating
- In-house tube manufacturing, including CNC machining & bending, welding, end-forming and tube drawing

#### DESIGN & DEVELOPMENT

- In-house product design, drafting, 3D modelling, prototyping, testing, tool design and manufacture
- R&D team of 10 engineers and designers
- Custom machinery development for special purpose production and assembly

#### QUALITY ASSURANCE

- Development of custom testing equipment for special purpose products and components
- 100% compliance testing on all parts
- Batch traceability from raw materials to finished goods
- Process capability analysis (CPK)
- Clean and climate controlled manufacturing facility

### Competitive Discriminators

- Complete in-house design, development and production
- Quality systems borne from supplying Defence and FDA approved medical products and components
- Specialists in design of custom electrical solutions, connectors, cables and assemblies, including ruggedisation for extreme environmental and operational conditions
- In-house cable extrusion and harness manufacture
- In-house capability to draw down copper tube to size
- Six Sigma continuous improvement program
- Australia's only Teflon/PTFE/PFA cable manufacturer
- Australia's largest refrigeration tube assembly manufacturer
- Australia's only capillary tube and low finned tube manufacturer
- \$19+ million annual turnover
- 60+ staff
- 11,300 sqm onsite factory

### Certifications & Accreditations

- ISO 9001
- Lean 6 Sigma
- UL Certification
- IPC/WHMA-A-620
- AS/NZ 1571 & AS/NZ 1432
- AS/NZ 3191 & AS/NZ 5000.1
- FDA Approval



### Contact

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Commercial Director

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South Australia, 5039

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E. henri.hugo@kte.com.au

www.kte.com.au

### Current Project Highlights

#### Defence Projects

- Redwing Silvershield Project in partnership with Axiom and L3 Micro

#### Design and Manufacture Projects

- Fisher and Paykel Healthcare
- Seeley International
- Alcoa

#### Export Experience

- New Zealand, Middle East, Spain, Asia and Mexico.

### Key Customers & Partners

- Fisher & Paykel Healthcare
- Axiom Precision Manufacturing
- L3 Micro
- Alcoa
- Lancer Beverage Systems
- Redarc
- Schneider Electric

# MICRO-X

### CONTACT

Shaun Graham  
Product Line Manager - MBI  
T: +61 8 7099 3966  
M: +61 417 257 714  
E: sgraham@micro-x.com

### CAPABILITIES

- Proprietary cold-cathode carbon nanotube x-ray technology that enables:
  - Up to 10x miniaturisation of x-ray devices enables high-powered x-ray imaging in applications previously unreachable by x-ray
  - Direct electronic control of x-ray devices that enables high-speed and precise x-ray systems for more accurate imaging and signal assessment
- Vertically integrated design and manufacturing of core proprietary technology
- State-of-the-art advanced manufacturing facility in Adelaide, Australia
- Core R&D, engineering and production in Adelaide, Australia
- High level of internal quality control

### PRODUCTS

Micro-X has a portfolio of innovative x-ray products in production and in development based on its proprietary carbon nanotube technology, including:

- **Carestream DRX-Revolution Nano** - An ultra-lightweight digital medical X-ray system for the rapidly expanding mobile X-ray market in hospitals and healthcare
- **Micro-X Rover** - A ruggedised, ultra-lightweight digital medical x-ray system designed for deployed hospitals [Received FDA certification in July 2020, contracted into JP 2060, Phase 3]
- **IED X-Ray Camera** - Provides EOD Operators with an unrivalled lightweight Stand-Off X-ray capability. The system has been designed to be deployed remotely from in-service Unmanned Ground Vehicle or manually as a Carry Forward System.

### KEY CUSTOMERS/PARTNERSHIPS

- Carestream Health
- Fujifilm
- SAAB
- Australian Department of Defence
- Royal Melbourne Hospital Brain Centre
- The Alfred Hospital
- Flinders University
- UK Department of Transport



### COMPANY SUMMARY

Micro-X is an ASX listed hi-tech company developing and commercialising a range of products for global health and security markets, based on proprietary cold cathode, carbon nanotube emitter technology. This technology enables x-ray products with significant reduction in size, weight and power requirements, enabling a range of new and unique security and defence applications

### DISCRIMINATORS

- Unique X-ray technology has strong proven record of success in the field; deployed systems in 27 countries; units used daily in hospitals to take x-ray images throughout the hospital
- Our people are our strength - a relentless, skilled and motivated team from diverse industries - quality and efficiency learned from the automotive industry
- Experienced government contractor with ADF and UK Department of Transport
- Majority Australian-based supply chain
- Deployed x-ray imaging supports COVID-19 diagnosis and prognosis

### QUALITY APPROVALS & AWARDS

- ISO13485:2016
- SA Science Excellence and Innovation Awards [2020] (Inaugural Innovation Award Winner)
- Good Design Award - Best In Class [2018] - Carestream DRX-Revolution Nano
- Business SA Design for Export Award [2017] - Carestream DRX-Revolution Nano

# MINCHAM

www.mincham.com.au



## Company Summary

Our primary focus is to Service, develop and produce advanced light-weight solutions for the Defence, Aerospace and High-tech industries. Our Niche is in our broad capabilities, as well as our flexible and agile approach to solutions for our customer; whilst maintaining the worlds highest standards in everything we do.

## Competitive Discriminators

- Experienced in Major Aerospace Programs
- Proven Export Experience
- ITAR/Equivalent Compliance Ready
- Defence is our Core Business
- Secure Facility DISP security standards
- Highly agile Development and Production structure
- Prototype to Production workflow
- 25 Years of Experience Working for Defence
- Large investments into Research & Development

Brody Mincham (Business Development)  
 M. +61 412194010 E. brody@mincham.com.au  
 A. 18-24 Taranaki Road | Edinburgh SA, 5111 | South Australia PH. +61 8 8283 2388

## Services/Capabilities

Fabrication technologies, including but not limited to:

- Composites
- Sheet Metal
- Welding
- CNC Machining
- Prototyping
- Aeromedical Devices
- Engineering Consulting & Design
- Painting
- UAV Platforms
- Aerial Delivery Systems
- R&D Facilities

## Key Customers:

Mincham Aviation are key and strategic suppliers to some of Australia's, and the worlds most trusted and respected Defence and Aerospace organisations such as:

- CEA Technologies
- Australian Airforce/Army/Navy,
- BAE Systems Australia
- Boeing
- Capability Acquisition and Sustainment Group (CASG)
- Defence Science & Technology (DST)
- Airbus
- Raytheon Australia



We work in  
**150**  
countries

**800**  
team members in  
Australia

**16k**  
global staff

**\$2b**  
annual turnover

Over  
**150**  
years' heritage

Opening opportunities  
with **connected thinking**  
mottmac.com

### Capabilities

- Governance, strategy, inception planning and business case development
- Digital Integration and Data Modelling
- Stakeholder and Project Interface Management
- Enterprise, Portfolio and Program Management
- Project and Design Management
- Procurement
- Controls and Performance
- Infrastructure engineering and design excellence
- Contract, Commercial and Financial Assurance

### Discriminators

Complete capability from advisory, developing and deploying digital twins at enterprise level to building and operating solutions using best-in class technology

We integrate teams, ideas and approaches to generate innovation and efficiency

The unique combination of **Domain + Digital** sets us apart

Defence Industry Security Program Accredited

**90%**  
retention  
rate of staff

### Quality Approvals

- AS/NZS ISO 9001 – Quality Management System
- ISO 14001 – Environmental Management System

### Awards

- Property Council of Australia Innovation and Excellence Awards
- The World Business Awards – Communications Excellence
- The World Business Awards – Customer Experience Management
- AIPM – Project Director of the Year
- AIPM – Construction / Engineering National Winner
- AIPM – Construction / Engineering South Australian Winner

### Key Markets

A community of colleagues that spans organisational and geographical boundaries

- Defence and Defence Industry
- Commercial and Industrial Infrastructure
- Aviation
- Rail and Transport
- Digital Design and Delivery
- Energy
- Maritime, Ports and Coastal
- Water and Wastewater

### Key Clients



Justin Goodman, Defence Lead – Australia | M: +61 413 382 040 | E: justin.goodman@mottmac.com



# Nobles (A. Noble & Son Ltd.)



[www.nobles.com.au](http://www.nobles.com.au)

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**Guy Roberts**  
Managing Director

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Mob: +61 412 958 040  
E: [groberts@nobles.com.au](mailto:groberts@nobles.com.au)

## Products

- **Nobles sources, stocks, manufactures, assembles and tests of the broadest national range of specialist lifting & rigging products including:** wire rope, strand & terminations; wire rope, synthetic & chain slings; lifting, general purpose & mooring chain; hoisting & winching equipment; lifting & rigging components, hardware & accessories; blocks, swivels & materials handling equipment; height safety gear; electronic load measuring systems; and load restraint & vehicle recovery devices.
- **Nobles has the largest technical services and customer engineering teams in Australia for lifting, rigging & crane services including:** engineering design, manufacture & audit of standard & bespoke lifting gear; custom lifting procedures, guidelines & lift plans; assessment of lifting gear & cranes for repair & maintenance; heavy lift slings & testing; on-site testing, inspection & asset management; destructive & non-destructive testing; crane servicing, inspection & assessment; electronic load cell calibration & hire; project management, lifting gear repair, procurement, hire & site management; technical training seminars & literature; on-site load testing using water weights for industrial & off-shore marine applications; and Virtual Reality crane simulation for personnel training & assessment.

## Key Customers

- Australian Department of Defence
- BAE
- ASC & AWD
- Thales
- Thomas Warburton/Rheinmetall
- ATECO
- BHP
- Woodside Energy
- Chevron

## Partners

- pewag
- Bridon-Bekaert
- Nitchi
- Ingersoll Rand
- Technotex
- Van Beest Green Pin shackles
- Skylotec
- The Crosby Group
- ITI Inc. (USA)

## Quality Approvals & Awards

- ISO 9001 - DLCS
- ISO 14001 - DLCS
- AS/NZS 4801 - DLCS
- ISO 17020 - NATA
- ISO 17025 - NATA
- DNV 2.7-1 - DNV
- LEEA

## Discriminators

- As a leading sub-contractor to primes on major defence projects for decades, Nobles understands the need for security and the ability to offer locally-sourced solutions to complex problems that work in the most demanding operating environments.
- With 10 specialist lifting & rigging engineers, Nobles has unique lifting & rigging technical and engineering design/fabrication expertise to solve the most difficult lifting and lashing problems on land, air or sea.

## Capabilities

- Nobles is Australia's leading specialist provider of lifting & rigging equipment and components, technical services and engineering design/fabrication for complete solutions to your heaviest and most complex lifting, rigging & lashing requirements.
- Nobles supplies lifting & rigging products and services across the full defence procurement and operating value chain, including: shipyard/manufacturing facility construction, equipment/vessel build/assembly, as part of the equipment/vessel itself and during sustainment.
- Nobles is a 100+ year old Australian owned and operated company with 200 people in locations Australia-wide, including in all major state capitals & remote locations.
- Nobles sources from local supply chains using Australian Grade 80 chain, wire rope produced locally from Australian steel, eyebolts and turnbuckles, fabricating lifting components using Australian steel as well as importing the highest quality products.

# OPERATIONAL SYSTEMS

Cyber Security / IT Managed Services

## About Us

Operational Systems ('OpSys') is an Australian owned managed IT and cyber security service provider. Headquartered in South Australia, OpSys prides itself on its exceptional level of tailored service and care, and has a dedicated team of local ICT professionals that are within reach around the clock.

OpSys has an impressive array of modern IT infrastructure including its own data centre. Organisations ranging in size from 5 to 25,000 employees trust OpSys as their first line of defence against cyber-attacks, with 24x7x365 security coverage through its local Security Operations Centre. OpSys prioritises building relationships with its clients, fostering communication to better understand and service the client's specific needs.

## Capabilities

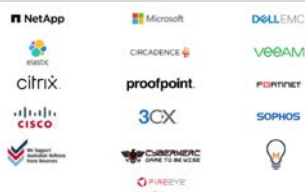
- 24 x 7 x 365 Monitoring
- Threat Hunting
- Incident Response and Triage
- Real-time Alerting
- Whitelisting
- Auditing
- Cloud / Hosting
- IT Managed Services
- Data Centre
- Strategic Consulting
- Cyber Policy Development and Implementation Support
- Risk Assessments

## Key Markets

- Defence
- Federal / State Government
- Not-for-Profit
- Banking and Finance
- Health
- Mining and Utilities
- Aged Care
- Local Government

## Key Customers and Partnerships

- Defence Teaming Centre
- Victor Smorgon Group
- OLAM
- Nova Systems
- Police Credit Union
- Keith Timber
- KubPower
- Insurance Groups



## Discriminators

- OpSys focus on building relationships with clients, to foster increased communication and swifter results.
- Our flexible billing model is simple and clear, with customisable packages to suit any business' needs.
- We can work alongside an existing IT support entity where it exists or perform that role if it does not exist.
- Enterprise Managed Security Service product set for SME market with Security Operation Centre located in Adelaide.
- 24 x 7 x 365 Sovereign Capability.



## Contact Details

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Business Development Manager

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83 Sturt Street  
Adelaide SA 5000  
Australia

In association with



### Company / Capability Overview

- Advanced CNC technology specialised in the cutting of rubber, sponge, foam, plastic and other specialised materials. Tolerances/accuracy down to 0.1mm.
- Gaskets and seals, utilising various grades of rubber, cork, non-asbestos fiber, and spiral wound/metal varieties. Compliance to all major global standards.
- Foam packaging protection for case inserts and other storage mediums. Foam can be supplied as fire retardant, anti-static, FDA food/medical grade, and compliance with part numbers already associated with NSN registration. Previous work for sensitive communications equipment, weapons, special tools and test equipment, ILS.
- Specialised foam with unique properties associated with fire retardation, thermal insulation, and sound absorption (currently fabricated and used by Victoria Transport in their B and Z class trams), Suitable for military vehicles and other related structures.
- Specialised Corflute box and customized storage units fabricated for production efficiency and part accountability (currently used by BAE).
- Moulding and extrusions profiles, previously utilised by ASC AWD during the build and service life of the warship destroyer.

### Capability

- CNC cutting, gaskets, seals, thermal insulation, sound Insulation, foam products, PPE, case inserts, storage, extrusions, ILS



### Contact

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e: Derek@prp.company

13 Islington Court, Dudley Park  
S.A. 5008

[www.prp.company](http://www.prp.company)

### Competitive Discriminators

- A software management system built 100% in-house to cater specifically for our unique production and management requirements.
  - Integration with our accounting and cloud database for total transparency and accountability.
- Ability to track production performance down to work order, machine time, employee capacity.
- Long term succession and leadership in place underpinned by passionate and proud company values based upon creativity, teamwork, inclusion, learning, excellence and commitment.
- A vision towards inspiring technology, cutting edge operations, and an investment in a dynamic and energetic local workforce.

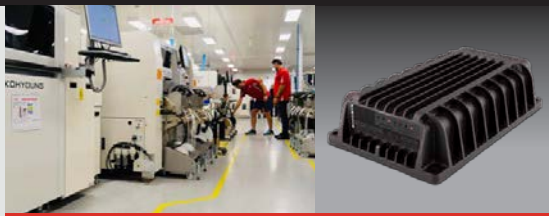
### Accreditations

- Lean Six Sigma certified employees – continual development of a lean and agile workplace
- Extensive experience with AS9102B and ISO9001 with key defence partners, namely ASC, BAE, SAAB, MacTaggart Scott and Redarc
- OH&S Officer with documented risk assessments, SOP's, policy manuals
- Member of DTC, AMGC, AMTIL, ICN.
- Qualified engineering team and MBA certified leadership

### Partners and Customers



## REDARC Defence Systems - Your partners in defence electronics



### PRODUCTS

REDARC Electronics has more than 40 years' experience in the research, design, development and manufacture of a range of electronic voltage converters and associated products, inverters, power supplies, battery chargers, brake controllers and trailer braking products.

REDARC Defence Systems Pty Ltd was launched in 2019.

- Heavy vehicle and emergency services electronics (Vetronics)
- In-vehicle continuous battery chargers (radio batteries, C4I, etc.)
- Ruggedised DC-DC voltage conversion to provide safe, regulated, dedicated power buses (mixed 24V/12V systems, crew power sockets, dedicated equipment, radio power)
- Controller Area Network (CAN-bus) products (sensor to CAN, CAN bridge, SAE-J1939)
- AC-DC charging systems
- Vehicle battery health and Usage Monitoring Systems (HUMS)
- High fidelity thermal threat emulators

### CAPABILITIES

- Immediate supply of existing robust products in small to high volumes
- Auxiliary battery charging and monitoring (HUMS) solutions for defence vehicles
- Design of defence and automotive OEM-grade electronic equipment
- Advanced printed circuit board and electronic module manufacture in a modern, quality controlled, lean manufacturing environment
- Full life cycle electronics systems cradle to grave capability
- Thorough understanding of global, OEM and defence product compliance (EMC, immunity, vibration, environment, etc.)
- On-site test facility for pre-compliance of many standards

### DISCRIMINATORS

- 20% growth year-on-year
- 40 years in business
- Global support network
- Products available on the US Government GSA website
- Well embedded quality focus, practices, standards and metrics
- Proven track record of "Delivery In Full On Time" to global OEMs

### KEY CUSTOMERS

- Kongsberg
- Volvo (Global)
- Kenworth (Australia)
- Thales
- BAE Systems (Australia)
- Raytheon
- Australian Department of Defence
- Varley Group
- Glenan Concept Cars (France)

### KEY AUSTRALIAN PARTNERSHIPS

- FormCut (Packaging and thermal solutions)
- Intelliparticle (Advanced heating)
- Bristers
- Toolcraft
- Axiom

### KEY INTERNATIONAL PARTNERSHIPS

- MARL International (Lighting)
- Abaco Systems

### QUALITY ACCREDITATIONS AND AWARDS

- ISO9001:2015
- ISO14001:2015
- UNECE Regulation 10 Conformity of Production
- Telstra Australian Business of the Year 2014
- Westpac Top 20 Businesses of Tomorrow 2017
- Defence Teaming Centre Teaming Award 2019

### CONTACT DETAILS

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E [defence@redarc.com.au](mailto:defence@redarc.com.au)  
23 Brodie Road (North)  
Lonsdale SA, Australia





# Rowlands METALWORKS

## COMPANY OVERVIEW

Rowlands Metalworks was established in 1956 and has grown to be one of South Australia's finest manufacturers of sheetmetal product. Our purpose built 2500sqm factory and investment into the latest CAD/CAM equipment positions us as a leader within the industry.

## CAPABILITY

- Advanced 3D solid modelling capability using state of the art software
- Advanced combination Laser/Turret punch and Turret machines with auto-load and unload capability for metals up to 6.0mm in thickness. Can run unmanned.
- Multi dimensional brake press/metal folding CAD/CAM machines.
- MIG and TIG welding capability with mild steel, aluminium, and stainless steel.
- Able to swiftly transition between prototyping and into production of large volume fabrication due to our fully automated machinery.
- Interface logistics for exporting products.
- Ability to provide Industrial Design and Project Management services from concept to a deliverable and supportable product.
- Proven ability to take a project from design concept to a manufactured prototype in short timescales.

## CONTACT

Mr Michael Slattery

Mobile: 0418 883 828  
Office: +61 8 8329 6700  
Fax: +61 8 8329 6701

Email: michael@rowlandsmetal.com.au  
Web: rowlandsmetal.com.au

## COMPETITIVE DISCRIMINATORS

- Diversified across industry sectors and supply chains.
- Interface between ERP and clients.
- Capital to fund future capabilities.
- Purpose built sheet metal and fabrication workshop.
- AWD accredited welding practitioners.
- Disciplined & secure quality management & document control practices.
- Dedicated and passionate workforce. Barcoded routings
- Stable In business for over 60 years with a proven track record of quality items delivered on time.

## CERTIFICATIONS & ACCREDITATIONS

- ISO 9001:2015
- ASC AWD certified welders



## KEY PARTNERS

- ASSDA (Australian Stainless Steel Development Association)
- Business SA
- Defence Coating Systems
- DTC (Defence Teaming Centre)
- GMUSG (Global Maintenance Upper Spencer Gulf)
- SAI Global
- RESA (Resources & Engineering Skills Alliance)

## KEY CUSTOMERS

- Device Technologies
- Century Products
- Sage Automation
- Seeley International
- Redarc
- Spark Furniture
- Adelaide Switchboards
- Enviro Australis
- Raytheon Anschutz
- Seed Terminator
- Taylor Bros Marine

# SILENTIUM DEFENCE

Situational awareness anytime, anywhere to protect what matters

## PRODUCTS

### MAVERICK Product Family

- Passive radar surveillance for improved situational awareness
- Scalable solutions for a variety of applications from terrestrial surveillance to space situational awareness

### Mission Analysis Planning & Information Tool (MAPIT)

- Supports and enables effective passive radar site selection to achieve mission objectives
- User friendly software to enable quick and informed deployment decisions
- Applicable across multiple domains (land, sea, air and space)

## CAPABILITIES

Passive radar uses pre-existing sources of radio frequency (RF) energy (such as broadcast TV and radio), to track objects in an environment. It provides similar information to traditional radar systems but does not emit any RF signals.

This means our customers can maintain their situational awareness without advertising their presence.

In increasingly complex operating environments the ability to 'see without being seen' is an undeniable advantage.

Silentium Defence's unique solutions, powered by passive radar, provide that advantage.

- No spectrum allocation needed
- No radiation hazard zones
- No new RF emissions
- Deployable in congested and urban environments
- Capable of detecting cooperative and non-cooperative objects



## DISCRIMINATORS

- A global leader in design and deployment of complex passive radar systems for high-end customers
- Decades of experience in passive radar system design and algorithms
- Scalable solutions: Easily portable passive radar systems to unique wide-field-of-view passive radar for surveillance of space
- Significant cost, power, and size advantages over conventional surveillance systems
- Australian owned and based Small to Medium Enterprise

## QUALITY ACCREDITATIONS AND AWARDS

- Defence Business of the Year 2020, Australian Space Awards
- Australia's Top 50 small business leaders, 2019
- iAwards, Start-up-of-the-Year, Public Sector and Government Merit Award Winners, 2019

## CONTACT DETAILS

### Graeme Naylor

Chief Strategy Officer

E: graeme.naylor@silentiumdefence.com.au

# Trident Plastics (SA) Pty Ltd

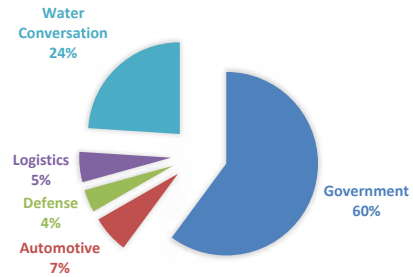
## ▶ CAPABILITIES

Trident Plastics is the largest custom moulder in SA offering a full suite of services from concept development, product design, prototyping, mould making and product manufacture to a diverse range of clients.

We configure our services to meet our customer's specific requirements. Trident Plastics can offer exceptional flexibility in the products we can design and manufacture including value added services such as non-plastic component pre-assembly.

Our vision is to develop new products and markets through innovation, strategic partnerships and collaboration. Eliminate wasteful practices and develop cost effective processes with continuous improvement

## ▶ KEY MARKETS (Australia & New Zealand)



## ▶ QUALITY APPROVALS & AWARDS

Trident maintains the following quality and environmental accreditation:



Quality  
ISO 9001  
SAI GLOBAL



Environment  
ISO 14001  
SAI GLOBAL

## ▶ DISCRIMINATORS

- Complete in-house design, development, testing and production.
- Proven Defence experience
- Over 25 years' experience in tool design and plastic moulding
- Trident Plastics (SA) Pty Ltd are currently rank in the SA Business Index - Top 100 SA companies list for 2020 and has done so since 2017.
- In house metrologist and SAI Global recognised laboratory



# TRIDENT PLASTICS

**Gary Silby**

General Manager – Sales

Tel: 08 8444 6200 Mob: 0413 031 165

Email: [gary.silby@tridentaustralia.com](mailto:gary.silby@tridentaustralia.com)

Web: [www.tridentaustralia.com](http://www.tridentaustralia.com)

# ULTRA

## Australia

### Ultra

Established in Adelaide in 2008, Ultra develops complex Defence Systems including bespoke designs – hardware, software, firmware, system integration, support and maintenance

### Customers

We partner with the Australian Department of Defence and OEMs including Lockheed Martin, Raytheon, BAE Systems, L3Harris, Northrop Grumman and Boeing

### What we do



Communications

In-country delivery and support of capabilities including satellite comms, datalinks, high capacity radios and crypto



Maritime & ASW

In-country delivery and support of capabilities including sonar, signature management, acoustic countermeasures and ASW



Electronic Warfare

Recognised key sovereign EW supplier. Design, manufacture and integration of ESM, COMINT, ECM / Self Protection Systems

### Contact

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- T +61881691200
- E [peter.weir@ultra-electronics.com.au](mailto:peter.weir@ultra-electronics.com.au)
- WWW [ultra.group](http://ultra.group)
- A 12 Douglas Drive Mawson Lakes SA Australia 5095

[www.unitedfasteners.com.au](http://www.unitedfasteners.com.au)

Andrew Burrows  
 Defence Account Manager  
 Tel: +61 08 8311 2999  
 Mob: +61 0447 600 190  
 E: [andrew.burrows@unitedfasteners.com.au](mailto:andrew.burrows@unitedfasteners.com.au)



We offer over 75,000 SKU's, available from our 11 warehouses throughout Australia.

Our range includes fasteners & fixings, abrasives, cutting tools, sealants, adhesives, lubricants, hand tools, safety, materials handling, petrochemical, military and bespoke fasteners in exotic materials and coatings.



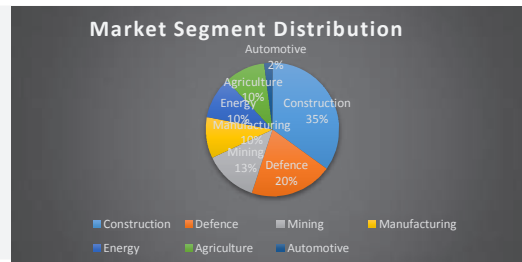
► **CAPABILITIES**

- Our people are technical experts, solution focused individuals, driven to fully understand our customer needs and wants. They have in-depth product knowledge, sourcing experience and quality controls.
- We employ Chartered Professional Engineers who have significant experience in the design and application of fasteners. With consideration given to all supply chain objectives, mitigating risk for all parties. Additionally, our Chartered Engineers are available to work collaboratively with your team upon request, FOC.
- United Fasteners source from over 300 suppliers, across Australia and Internationally (UK, Europe, USA, South East Asia).

► **DISCRIMINATORS**

- Extensive stockholdings;** Ensures our high level of service and delivery, DIFOT 97.5%.
- We employ Chartered Professional Engineers;** Work collaboratively with our clients.
- Family owned and operated;** With over 70 years of operating experience.
- Relationship management;** We continually review and monitor our processes to maintain and improve our effectiveness and efficiencies, ensuring we deliver on customer satisfaction.
- Price stability;** We collaboratively forecast future volumes and usages, then negotiate with our suppliers, ensuring we mitigate volatility and inflationary inputs on pricing.
- Inventory management;** We streamline and simplify purchasing, procurement, materials management, warehousing, maintenance and production processes

► **KEY CUSTOMERS**



► **QUALITY APPROVALS & SOURCING STANDARDS**

- We can provide product that conforms to International Standards such as: DIN, BS, NF, ISO, EN, ANSI, JIS & ASTM.
- Defence Standards – MS, MIL-DTL, NAS, NSN



**VIPAC**

Engineers & Scientists



[vipac.com.au](http://vipac.com.au)

**COMPANY / CAPABILITY OVERVIEW**

Established in 1973, Vipac is a wholly Australian-owned company that specialises in acoustics, vibration, dynamics & testing, with over 150 trained experts and five offices across Australia.

Vipac has undertaken various joint R&D projects with the Australian Government and major Defence Primes to make it one of the Defence Industry's preferred suppliers.

Over the last 48 years, Vipac has earned a global reputation as a leader in:

- Expertise in structures, dynamics, acoustics, vibration, shock, thermal & fluid mechanics, system & sensor design, mechanical/machine condition monitoring and specialist testing**
- Proven experience & industry experts** in fields such as Defence (Land, Air, Marine & Space), Rail, Automotive, Building services, Infrastructure, Transportation, Power, Mining, Environmental /Occupational assessment
- Improved operational performance & sustainability** of FW & RW aircraft, land vehicles and surface fleet & submarine vessels
- Product qualification and verification testing** in Vipac's in-house environmental NATA accredited test laboratories

**COMPETITIVE DISCRIMINATORS**

- Machine Engineering Dynamics
- Full MIL-STD- 810 / 901 environmental design, analysis, qualification & test
- Sustainment Engineering: Asset, platform & infrastructure
- Extensive case tools for system design & test applications
- Sensor-data acquisition systems
- Internationally recognised experts
- Maintenance Engineering: design, analysis & condition monitoring
- Preferred supplier on a number of Defence and Government Panels

**CERTIFICATIONS / ACCREDITATIONS**

- ISO/IEC 17025** and **ISO 9001** Quality Systems
- AS/NZS 4801** Health & Safety System
- ISO 14001 Environmental System**
- DEF(AUST) 5000 / MIL-STD-810 / MIL-STD-901 / DEF-STAN-0035**
- DISP/ITARS** Accredited Defence development facilities
- Fixed & rotary wing airframe design: (incl) composites & DADTA
- DSS/CASG** in 61 disciplines: (for) Engineering, Projects & Platforms
- DISP** security clearances (up to NV1)

**CAPABILITY**

Design, Analysis, Development & LoT: in Land, Air, Space & Marine:

- Structural Integrity** - mechanical & structural dynamics, fatigue
- Internationally recognised in **vibration, pressure & acoustics**
- Modelling & simulation** - functional, fatigue/failure & performance
- Analytical solutions:** FEA, CFD, AnSys1, LS-Dyna, AutoSEA / VA1
- System design** - for safety, survivability & sustainability
- Operational test & evaluation:** instrumentation, test & analysis
- Noise / vibration** profiling, thermal/CFD & environmental analysis
- NATA accredited** product/component environmental testing

**PARTNERS & CUSTOMERS**

- Naval Group Australia, BAE, Boeing, Airbus, LMAS, Northrop Grumman, Raytheon, Saab, Thales**
- JSF System Design Phase:** F35 JSF Design, Test & Structural-Fatigue Analysis for Lockheed Martin and Northrop Grumman (in the US)
- BAE Systems & Marine:** Engineering support, design & test of mobile satellite commssystems for Land & Sea Vehicles, Blackhawk/Chinook, Hawkei, M113
- Australian Aerospace:** Flight test, instrumentation & analysis of P-3C
- Australian Defence, CDG:** Capability Development (RPDE) & DMO/CASG
- ASC, BAE Systems & Thales:** Hull & engine noise & vibration analyses
- BMT Design & Technology:** Vibro-acoustics data collection & analysis

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**PREFERRED SUPPLIER / PANELS FOR AUSTRALIAN DEFENCE / ADF**

2021



## In Defence | detail matters

Our top 6 current pre-tender legal issues:

Map out and quantify your legal risks

Bed down clear contracts with your key suppliers and employees

Consider and quantify obligations to pass through to suppliers and partners

Sort out IP access, protection and sharing rules

Consider the Trade Practices rules, they could apply

Enter into a Collaboration Agreement with key partners and suppliers

## Jones Harley Toole

Lawyers | Protecting your business

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# OUR HISTORY WITH DEFENCE

Downer Group is the leading provider of integrated services in Australia, and a prime supporter of the Defence Teaming Centre. Downer is majority Australian-owned, with an Australian board, and employs more than 50,000 people nationwide across its portfolio of businesses. Downer designs, builds, and sustains assets, infrastructure, and facilities, and undertakes Defence and other government consulting. It has a strategy focused on urban services and critical infrastructure with utilities and transport a prominent element of its portfolio.

Earlier this year the Executive General Manager of Downer's defence consulting business, Andrew Foster, delivered a speech at the Australian Defence Magazine Congress, where Downer was a gold sponsor. In his address to the assembled Commonwealth and industry attendees he outlined Downer's historic contribution to defence as a sovereign capability and highlighted the value that Downer sees in our defence sector small-to-medium enterprise (SME) community.

'For the past 80 years Downer has worked with Defence to build ships, upgrade systems, and provide a highly skilled workforce to complement the public service and uniformed workforce,' Foster said.

'We must continue to uplift Australia's thriving small-to-medium enterprises to give them the access and support that they need to work with Defence so that we can get more Australian companies in the supply chain, more Australian technology equipping our warfighters, and more Australians engaged in the regenerating of our Defence Force for 21st century challenges.'

Downer is well-equipped to meet these challenges. There are few parts of the work of the Commonwealth and the States that Downer is not involved in; from road services, rail rollingstock and rail infrastructure, to building high voltage power transmission networks, to renewable energy systems, to servicing power generating assets, to contract mining of strategic commodities and much more.

Our work in the defence domain is no different. Downer's defence industry pedigree runs deep. The company has been operating in Australia for more than 150 years and has been supporting Defence for the past 80 years; tracing its roots with Defence back to 1941 when its antecedent companies Walkers Limited and Evans Deakin Industries were among those that constructed the Bathurst Class corvettes for the Royal Australian Navy.

Today Downer's work with the Department of Defence and the Australian Defence Force spans from facilities maintenance and base upkeep by its facilities business, through to providing consultants to help Defence deliver Defence capability by its Downer Defence Systems (DDS) business, and by the Team Downer Major Service Provider (MSP) consortium that Downer leads.

Downer executes highly complex projects across the Land, Sea, Air, Cyber, Space and Key Enabler domains. We have successfully delivered projects for various parts of Defence including the Estate and Infrastructure Group (E&IG), the Chief Information Officer Group (CIOG) and the Capability Acquisition and Sustainment Group (CASG) across the country by acting variously as Prime contractor, managing contractor, head contractor, subcontractor or joint venture partner.

## Sustainment operations and facilities maintenance

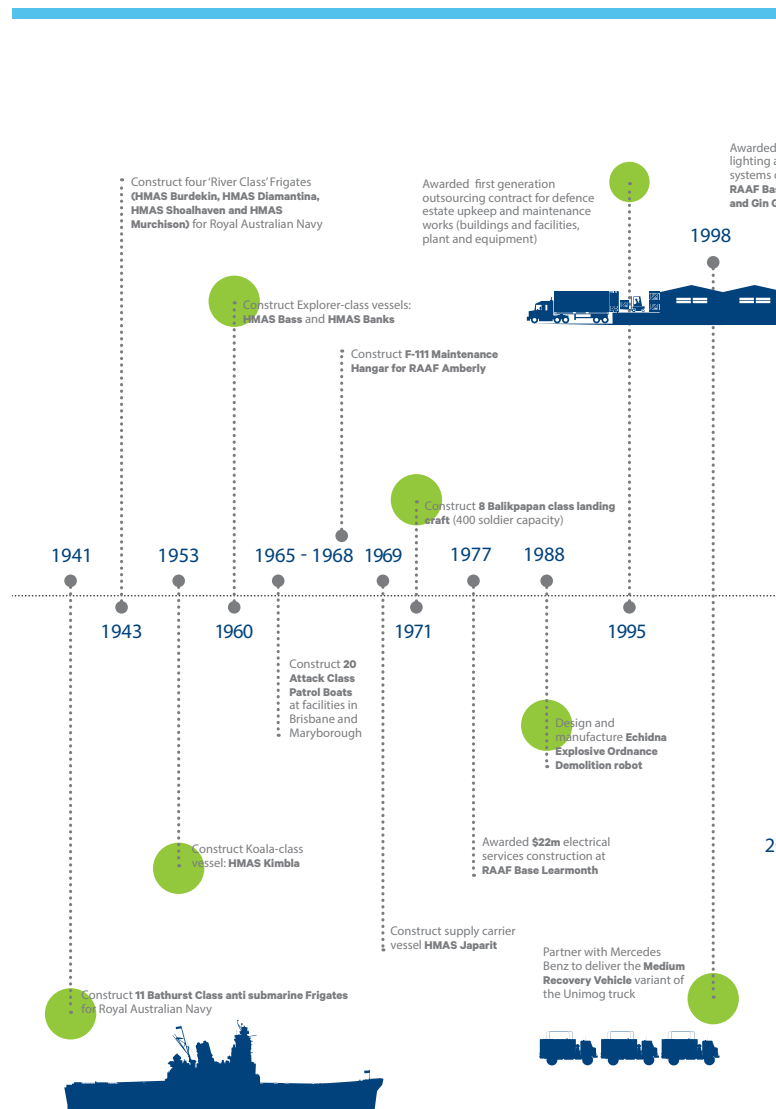
Downer provides a full range of services to operate and maintain a diverse portfolio of Defence estate and facilities, in essence, everything you need to run a town. These services include asset management and engineering, maintenance, land management and domestic and operational services.

These services are delivered to Defence through the Estate Maintenance and Operations Services (EMOS) contract that encompasses 170 Defence bases and installations in the Queensland, Australian Capital Territory, and Southern New South Wales Defence Regions.

## Downer Defence Systems

Downer has established itself as a major contributor to the modernisation of the land, maritime, air, space and joint communications and information systems across the Australian Defence Force and other government agencies. The company executes highly complex projects across the Land, Sea, Air, Cyber, Space and Key Enabler domains in places like CIOG, CASG and others.

DDS is broken into three business streams: Professional Services, Managed Solutions, and the Team Downer MSP consortium. Professional Services represents the bulk of the business and provides highly skilled consultants to assist Defence to deliver complex projects and programs, Managed Solutions provides operational technology solutions to discrete business problems, and the MSP provides above-the-line consultants to CASG only as part of the Team Downer consortium.



## Team Downer

Team Downer was appointed as one of four MSPs to CASG. Downer leads the consortium as the prime and has the greatest stake in the consortium. Team Downer works with more than 100 defence sector SMEs in locations across Australia to strategically place them in complex Defence projects to assist CASG to meet their significant acquisition and sustainment agenda. The MSP currently has contracts in 11 branches at CASG across the sea, air, land, joint and space domains.

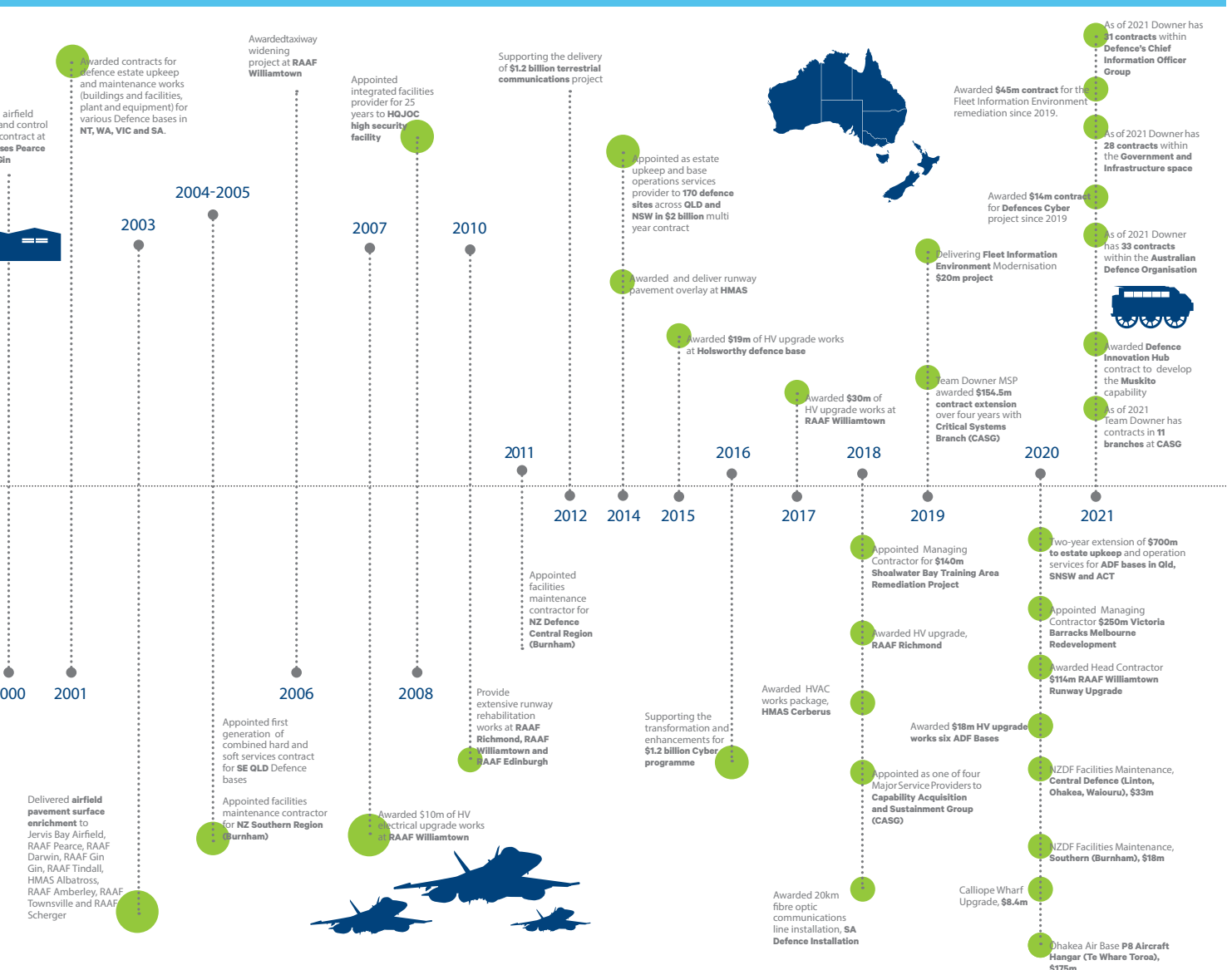
## Asset Services

The breadth of work that Downer conducts across the nation means that it has significant capability that can be brought to bear for both Defence itself and the broader defence sector. A good example of where Downer has a lot more to offer Defence is in Asset Services. The company is a leader in asset management across Australia and New Zealand, servicing customers in markets including Transportation, Infrastructure, Mining, Energy and Industrial Engineering, Utilities, Communications and Facilities.

Downer's Asset and Data Management Office (ADMO) promotes best practice and continuous improvement in asset management and data analytics to improve lifecycle management, reliability, return on capital and deliver better outcomes for our customers.

Fundamentally, we understand that our clients are under increasing pressure to get more out of their assets. They need to manage financial constraints, forecast lifetime costs, limit unnecessary maintenance and future-proof their assets. More than ever, they need intelligent partners who can provide data-driven solutions to enable their assets to optimise business objectives. This is doubly true in the defence sector.

It is an exciting time for the Australian defence industry, and Downer is looking forward to continuing to support our clients and partners with the comprehensive knowledge, skills, and capability that we have refined over 80 years working with Defence.





**DTC**

**MEMBERS  
CAPABILITY**



4th Harmonic helps clients win and execute specific projects, programs and industry opportunities. We use a systems approach that combines hard-earned experience with data analysis to design, manage and evaluate the programs that are the key to realising your goals.

### What We Do

Our clients benefit from a program of work delivered by experienced industry leaders that includes the following activities:

- Program Management
- Data Science & Analysis
- Industry Development
- Workforce Training & Development
- Supply Chain Illumination
- Facilitation of Collaborative Projects
- Transfer of Technology
- Cybersecurity

### Discriminators

#### DeCaDe.net

We model the 30,000 organisations that form Australia's defence ecosystem. Our proprietary software integrates data for our partner organisations to provide unique insight into Australia's evolving capability clusters, AIC and SIC.

### Industry Experience

Our service provides the client peace of mind with industry insights based on proven experience across all our client's industries.

### Our Partners



### Our clients' industries

Our target clients are preparing to meet evolving cyber challenges by enhancing their cyber security posture and moving from compliance to resilience.

- Government
- Defence
- Defence Industry
- Cybersecurity
- Infrastructure

info@4thHarmonic.net | www.4thHarmonic.net



## ADELAIDE RELOCATIONS

[www.adelaiderelocations.com.au](http://www.adelaiderelocations.com.au)



Maree Upton  
Partner  
Tel: +61 418 855 758  
E: maree@adelaiderelocations.com.au

We take the headaches out of moving into Adelaide and regional South Australia from interstate and overseas by solving the logistic and settling-in problems



### ▶ CAPABILITIES

- Customised tours of Adelaide and regional areas of South Australia
- Sourcing short term accommodation
- Conducting home searches for long term accommodation including purchasing and leasing
- Conducting education search from preschool to tertiary, including school appointments and inspections
- Settling in support, information on local area amenities, facilities, community activities and business networks

### ▶ DISCRIMINATORS

- Over 20 years of continued positive outcomes
- Proven record of successful settlements from graduates to CEO's
- Adelaide preferred supplier for national mobility providers
- Extensive experience with defence primes

### ▶ KEY CUSTOMERS

- Global mobility networks
- Defence primes
- International and Australia businesses
- South Australian government departments
- South Australian Universities

### ▶ KEY MARKETS

- Inbound international and national investors and industry partners

### ▶ Links with associated providers

- Real estate agents
- Property owners
- Migration agents
- Accountants
- Removalists
- Educational institutions
- Child care and nanny services
- Chambers of commerce
- Recruitment agencies

Current as at: October 2019

## COMPANY OVERVIEW

Adept is a professional services company that provides industry-hardened ICT, Project Management and Software Leadership that accelerates the successful delivery of technology initiatives. We lead as true partners; aligned in our approach to deliver outcomes that are undeniably linked to the organisation's goals, especially in environments facing significant change, growth or tight deadlines.

We also support your ongoing success by working with you to build capability: People, Frameworks and Methodologies that focus your internal strengths to maximise predictable delivery to your clients.

### KEY MARKETS

#### Defence and Space

SAAB Systems | Swordfish Computing | Prism Defence  
Myriota | Consilium

#### Tech based SMEs

SAGE Automation | Integrated Aviation Services | Optimatics  
Resolution Systems | elmTEK

#### Industrial

SANTOS | A. Noble & Son Ltd | AJ & PA McBride Ltd

#### Government

Australian Rail Track Corporation | Courts Administration Authority  
Primary Industries and Regions SA (PIRSA) | Attorney General's  
Department | SACE Board of SA

### KEY CUSTOMERS



## SERVICES

### Delivery Assurance

Program/Project Management & Governance | Vendor Management |  
Software Team Leadership | Interim Management

### Capability Uplift

Agile Transformation | Project/Software Methodology uplift |  
Scale-Up Assistance

### Strategy and Planning

Operational Strategy | Project Planning | IT/Digital Strategy  
Development | Transition Planning

### Review

Gap Analysis | Project Review | Software Engineering Process Review |  
ICT Strategic Review

## COMPETITIVE DISCRIMINATORS

Being locally owned, our engagement model ensures flexibility when adapting to your needs; from fixed outcome consulting to part time/full time delivery & governance to provide you maximum value.

Our leaders have decades of experience in multiple industries and can develop your technology/product strategy, build capability or step in and lead at any stage. Being vendor-agnostic, we provide interim management, independent reviews, software engineering uplifts or lead the delivery of multi-million dollar projects.

## CERTIFICATIONS / ACCREDITATIONS

Scrum Masters | Agile Practitioner certification | Prince 2 certification | NV1 Security Clearance



General Manager

Jade Philippe | jade.philippe@adepttechnology.com.au | 0403 070 031

Business Development Executive

Rohan Bishop | rohan.bishop@adepttechnology.com.au | 0414 692 464



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Matt Kluku | Business Development & Alliances Director

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M 0413580541

E matthew.kluku@archtis.com

## TRUSTED TO SAFEGUARD THE WORLD'S MOST SENSITIVE INFORMATION

archTIS is an Australian public technology company (ASX: AR9) that specialises in software for the secure, compartmentalised sharing of sensitive and classified data.

Established in 2006, archTIS is proud to deliver innovative, sovereign technology solutions to support the Defence Industry. archTIS solves the Defence Industry's unique information security challenges with highly secure, accredited sensitive and classified information access and sharing solutions to safeguard Defence and supply chain collaboration worldwide.

## CAPABILITIES

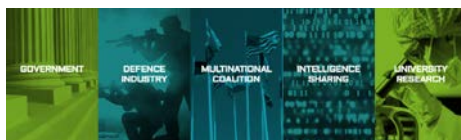
- Secure collaboration software for Defence Industry information sharing between Defence Industry Primes and their supply chain.
- Granular policy-based Attribute Based Access Control (ABAC) for files and data based on users clearance, nationality and organisation and an individual files meta data, including classification and releasability.
- Kojensi** - Secure compartmentalised information sharing and document collaboration platform.
  - Control access, sharing and collaboration of sensitive/classified information in cloud, on-premises and deployed environments.
  - Accredited by Australian Government at PROTECTED.
  - Accreditable to hold up to TOP SECRET.
- NC Protect** - Find, classify and secure sensitive data on-premises, in the cloud and in hybrid environments.
  - Enhanced information protection for file access and sharing, messaging and emailing of sensitive and classified content.
  - Available for Microsoft 365 (SharePoint Online/on-premises, Teams, OneDrive, Exchange, Yammer), Dropbox, Nutanix Files and Windows file shares.

## DISCRIMINATORS

- Only Australian platform accredited by government for compartmentalised sharing of information, up to PROTECTED, between Government and Industry.
- Provides secure information sharing and collaboration out of the box to immediately increase compliance and cyber resiliency—cost effectively and with less resources.
- Only Australian company engaged with NATO on Data Centric Security, sponsored by Defence.
- Platform accredited up to TOP SECRET/SCI by ASD and NSA.
- Architected to support secure Cross/Multi-Domain, and Federated Information and Data Sharing.
- Global security classification and clearances support, including Five Eyes and NATO.
- Aids in compliance with information security requirements for global regulations including ITARS, CMMC, DISP, and DEC.



## KEY INDUSTRIES & USE CASES



## KEY CLIENTS



## KEY PARTNERS



**CAPRAL INDUSTRIAL SOLUTIONS**

Capral Aluminium is Australia's largest manufacturer and distributor of aluminium products into the marine, defence, transport and building industries. Capral's offer includes rolled and extruded products and value add finished product solutions. In addition, Capral offers customers the ability to create their own exclusive profiles.



**DISCRIMINATORS**

- Value add capabilities including a new 7-axis state-of-the-art robotic machining centre.
- Nationwide distribution and export capabilities.
- Dedicated 44MN 12 inch press, capable of extruding shapes up to 400mm CCD.
- In-house aluminium fabrication and finishing facility.
- In-house design support team.
- On site Quality Assurance.
- Rapid 3D print prototyping.
- Global sourcing network.

**ACCREDITATION & CERTIFICATION**

- All extrusions manufactured by Capral Aluminium are produced to the chemical composition, mechanical property and dimensional tolerances in AS/NZS 1866:1997.
- Capral is also accredited to:
  - AS/NZS ISO 9001:2015 Quality Management Systems;
  - AS/NZS ISO 14001:2004 Environmental Management Systems;
  - ISO/IEC 17025. NATA Accredited Mechanical Testing Laboratory
  - Safety Accreditation.
- All major international marine classification societies including DNV (Det Norske Veritas) and Lloyds Register.
- AS/NZ 4801:2001 OHS Management Systems Accreditation.

**COMPANY INFORMATION**

Annual Turnover: >\$400m.  
Publicly Listed: Capral Limited.  
No. of Employees: >1,000.

**CURRENTLY EXPORTING**



**CAPRAL NATIONAL DEFENCE CONTACTS**

**JACK RYAN**  
jack.ryan@capral.com.au | 0404 818 310  
[www.capral.com.au](http://www.capral.com.au)

**MARK MURRAY**  
mark.murray@capral.com.au | 0437 704 144

**BRAD RYAN**  
brad.ryan@capral.com.au | 0404 818 146



2021



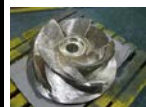
C90250 Phos Bronze Pump Casings



**Castech**

*complete casting solutions....*

*when quality matters!*



Bronze Impeller – 300kgs



C6 Steel Anchor Chain Gypsy



S-NiCr 20-2 Exhaust Manifolds

**KEY CUSTOMER AREAS**

- **DEFENCE INDUSTRY:**
  - Small Bore Exhaust Manifolds, Fuel Pump Pedestal, Valve Tappet Housings, Valve Stem Guides, Heat exchanger, Marine Castings, Suspension Components
- **FLUID TRANSFER:**
  - Impellers, Pump Casings, Back Covers, Sealing Rings
- **MINING:**
  - Abrasion Resistant Wear Liners & Plates, High Impact Resistance Castings, Alloy Steel Wear Components, Bronze bushes
- **AUTOMOTIVE:**
  - Cylinder heads, intake manifolds, water crossover

**WHY USE CASTECH**

- **FAST TURNAROUND:**
  - Able to react quickly to breakdown or urgent supply situations
  - Minimise stock holdings
  - Decrease downtime / Increase plant availability
  - **Quality and Service you can rely on**
- **RANGE OF METALS:**
  - Wide range of metals cast to cover all requirements
- **KNOWHOW:**
  - Extensive in-house industry knowledge and experience

**QUALITY STANDARD:** AS/NZS ISO 9001:2015 Certificate No. FS604700  
**Certified By:** BSI Group ANZ Pty Ltd



**9 Moss Road, Wingfield, South Australia.  
PO Box 188, Dry Creek, SA 5094**

**CONTACT: Jeff Green – Business Development Manager  
Brad Walsh – Quality & Projects Manager**

**T:** +61 8 8349 7299 **E:** jeff@castech.net  
**F:** +61 8 8349 7275 **W:** www.castech.net

**CAPABILITIES**

- **METAL RANGE:**
  - Steels - Plain Carbon/Low Alloy Steels, High Alloy, Stainless Steels, Duplex Stainless, Manganese Steel
  - Irons - Flake & Ductile Irons, Alloy Irons, White Iron, Ni-Hard, Ni-Resist Ductile Iron
  - Copper Base – Aluminium Bronze, Gunmetals, Phos Bronze, Manganese Bronze
  - Aluminium Alloys – AC601, CB401 (sand & gravity die cast)
- **MELTING CAPACITY:**
  - Induction Furnaces with combined capacity of 1500kg.
  - Gas Melting Furnace for Aluminium capacity of 500kgs
  - Electric Resistance Furnaces for Aluminium up to 700kg
- **CASTING SIMULATION:**
  - Computerised Casting Simulation for improved quality, short lead times & reduced costs
- **3D PRINTING:**
  - Multiple thermoplastic printers including large format printers, build envelope up to 1 metre cube. Able to print prototypes, concept models and production parts.

## Capabilities

- MANET IP Mesh design and manufacturing delivering capability military command and control communications such as:
- Dismounted Soldier Radios capabilities including:
  - Assault / SWAT Teams
  - Convoy Protection
  - Covert Ops
  - Combat Teams
  - Sniper / Spotter Teams
  - Maritime Interdiction Operations (MIOPS)
  - Vessel Board Search and Seizure (VBSS)
  - Ship to shore amphibious operations
- Unmanned platform (UxV) IP Mesh Data links for:
  - Unmanned Ground Vehicle (UGV)
  - Explosive Ordnance Disposal Robots (EOD Robotics)
  - Remote Weapon Station (RWS)
  - Robotic wheeled 'MULE' resupply
  - Unmanned Surface Vehicle (USV) for Mine Counter Measure (MCM), Force protection, Resupply
  - Unmanned Aerial Vehicle (UAV) for multiple applications including loitering munitions, swarming drones, tactical rebro and range extension on various platform sizes:
    - Nano Unmanned Aerial System (Nano UAS)
    - Small Unmanned Aerial System (SUAS)
    - Medium-Altitude Long-Endurance (MALE)
    - High-Altitude Pseudo Satellite (HAPS)
- Covert Surveillance design and manufacturing delivering capability for Law Enforcement and Military Intelligence agencies:
  - RF and IP Enabled surveillance
  - Video and audio covert recording
  - Video and audio body worn surveillance
  - Video and audio remote concealed surveillance
- Wireless Broadcast design and manufacturing delivering wireless camera capability for high end live broadcast productions
- Cellular intercept and direction-finding design and manufacturing delivering capability for Law Enforcement Agencies, Military and Intelligence surveillance operations
- Asset tracking and protection capability for Law Enforcement Agencies, Military and Intelligence organisations
- State of the art unified tracking system architecture, and solutions that shall enable multiple device missions and technologies to seamlessly exist within a single framework

### Discriminators

- IN-HOUSE ENGINEERING
- 30+ YEARS RF EXPERIENCE
- OWNERS OF CORE IP
- NON - ITAR
- INDUSTRY-LEADING REAL WORLD PERFORMANCE
- LOW PROBABILITY OF INTERCEPT
- LOW PROBABILITY OF DETECTION
- AGILE MANUFACTURING AND SUPPLY CHAIN
- UNIQUE WAVEFORM AND MESH TOKEN PASSING
- SOVEREIGN WAVEFORM
- WIDE RANGE OF FORM FACTORS TO SUIT MULTIPLE APPLICATIONS

### Certifications and Accreditations



### Key Customers



### Key Partners



### Key Projects



**Daniel Scalzi**  
VP Sales -APAC

P: +61 8 8305 0385  
M: + 61 411 518 670  
E: daniel.scalzi@codancomms.com

[codancomms.com](http://codancomms.com)

**Specialists in the supply, packaging and certification of Defence quality seals and spare parts. Delivery is on-time, every time.**

### CAPABILITIES

- ✓ Seals – standard and bespoke
- ✓ Sealing related products
- ✓ Spare parts – domestic and international
- ✓ All OEM brands available
- ✓ Quality measurement to within 5 microns using Vertex 311 optical measurement machine

### KEY CUSTOMERS & PARTNERS



### DIFFERENTIATORS

- ✓ Australian owned and operated
- ✓ Agile and adaptable
- ✓ Highly responsive
- ✓ Defence ready – now
- ✓ 30 years Defence supply experience
- ✓ Quality of service, not quantity of supply

### MEMBERSHIPS, AFFILIATIONS & CERTIFICATIONS



[www.defenseals.com.au](http://www.defenseals.com.au)  
(02) 9999 5532  
[tracey.velthuyzen@defenseals.com.au](mailto:tracey.velthuyzen@defenseals.com.au)

**DEFENCE SEALS & SPARES**



**CORE CAPABILITIES**

- Industry 4.0 systems including Robotics
- Automation Design, Manufacture, Installation and Support
- Partnering with International OEMs for technology transfer / domestic systems support
- AS / NZS 3000 Compliance Assessment on Imported Equipment
- PLC & SCADA Software Development
- Automated Equipment Obsolescence Management
- Maintenance & Upgrade of Legacy Electrical & Control Systems for both Infrastructure and Manufacturing

**DISCRIMINATORS**

- Speed and agility in reliably servicing customer needs proven through 100% retention of service contracts for the last 10 years
- Formal Partnerships with trusted complementary SMEs to successfully deliver turnkey solutions – Finalists in DTC Teaming Awards (2019)
- Invested in the team of the future with multi-skilled training, student programs and modern apprenticeships
- Emphasis on company values - team-work, competency, and ethics

**KEY CLIENTS**

**Defence Sector**



**Other Sectors**



**Key Partners & Associations**



**ACCREDITATIONS**

ISO 9001:2015

ISO 14001:2015

AS/NZS 4801

PAS99:2012



**CONTACT**

David Hart - CEO

P. 08 8374 7600

M. 0419 520 730

E. david.hart@dematec.com.au

9/5 Stephen St  
Melrose Park, SA, 5039

[DEMATEC.COM.AU](http://DEMATEC.COM.AU)

**Derby Rubber**

**CONTACT**

Michael Clayton  
CEO

2/261 Schumacher Road,  
Wingfield SA 5013

Office: 1300 033 729  
Mobile: +61 418 804 883  
michael@derbyrubber.com.au  
derbyrubber.com.au

**OUR PURPOSE**

We create resilient products so that you can go the distance.

**CERTIFICATIONS**

ISO9001:2015



**COMPANY**

A 100% Australian Owned SME

An advanced industrial rubber product manufacturer with operations in Adelaide, Sydney and Amsterdam.

Solving complex problems in extreme condition environments and demanding applications through the development and creation of durable rubber extrusions, profiles and mouldings.

Serving Australian and international markets for over 55 years.

**KEY CUSTOMERS**

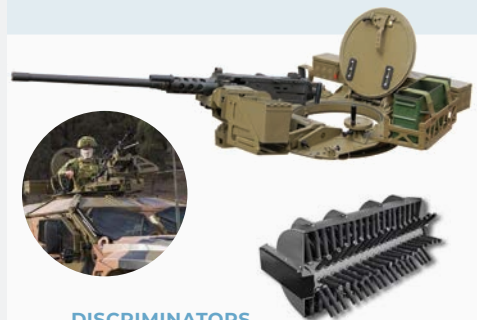


**PARTNERS**



**CAPABILITIES**

- Proven expertise in product design, material selection, compound development, prototyping, production, testing and compliance.
- Extrusion of general to high performance elastomers; from complex thin-walled profiles up to 300mm which is the largest profile capability in Australia.
- Specialised hand-building, fabrication, moulding and rubber to metal bonded parts.
- W&E Platt: 10-year contract ongoing to supply hatch pads and ballistic grade weapon ring mounts.



**DISCRIMINATORS**

- Extensive history of delivering on major rolling stock (passenger train), government, construction, mining, Defence and rail infrastructure projects.
- Australia's only dynamic extrusion facility. Providing the ability to vary internal and external profiles to strengthen products and create complex parts.
- Experienced exporter. Delivering long term value to global rail infrastructure projects for over 25 years.
- Strategic commitment to continued investment in new technologies, Industry 4.0, material development and R&D.
- Strong partnerships with Universities, State Government and local supply chains.

"DERBY RUBBER IS WORLD LEADING IN RUBBER TECHNOLOGY" - CALL ME WITH YOUR REQUIREMENTS" - MICHAEL CLAYTON



## SHAPING CAPABILITY. REFINING EW TECHNOLOGY. ENABLING MISSION SUCCESS.

### COMPANY PROFILE.

DEWC Services provides sovereign capability within the domain of Electronic Warfare (EW) in an above-the-line consulting capacity.

Our passion lies in assisting the Australian Defence Force & its partners within the ever-changing EW & EW related domains. We collaborate with stakeholders to develop EW solutions across the EW capability lifecycle.

This skillset has meant DEWC Services continues to work on some of the most challenging EW-related defence projects in Australia. This includes EW Systems on Australian Naval Helicopters, Army Vehicles & RAAF aerial platforms.

DEWC offers innovative solutions that seek to enable the EW war fighter on the battlefield of today & tomorrow, helping increase mission success & results in **bringing our people home safely.**

### CAPABILITIES.

<b>CAPABILITY DEVELOPMENT</b> <ul style="list-style-type: none"> <li>In-service capability extension &amp; upgrades</li> <li>Platform development</li> <li>Project management &amp; engineering</li> </ul>	<b>RESEARCH &amp; DEV'T</b> <ul style="list-style-type: none"> <li>RF Countermeasures analysis tools</li> <li>Modelling &amp; simulation</li> <li>Applied Machine Learning</li> <li>EW Sensor Networking</li> </ul>
<b>OPERATIONAL SUPPORT</b> <ul style="list-style-type: none"> <li>Countermeasures Dev't &amp; Validation</li> <li>EW Library Development &amp; Test</li> <li>EW Mission Data Analysis</li> </ul>	<b>ACQUISITION &amp; IMPLEMENTATION</b> <ul style="list-style-type: none"> <li>Project Management &amp; Engineering</li> <li>Test &amp; Evaluation services</li> </ul>

### KEY PROJECTS.

- ADF Mission Data Modernisation (JSF, CASG)
- Sikorsky MH-60R Seahawk EW Operational Support (NASPO)
- RF & EO Countermeasures Development & Validation (JEWOSU), JSTVU
- Force Protection ECM Operational Support (Army HQ)
- EW Capability Development for Wedgetail AEWC Mid-Life upgrade

### DIFFERENTIATORS.

- Tailored service offerings across all EW domains
- 100% sovereign, passionate EW professionals guided by strong corporate values
- Decades of shared experience in EW
- Ongoing partner with Defence on multiple EW-related projects
- Flexible & collegiate approach to working with industry partners to achieve results
- Ongoing reinvestment into our people: Graduate program & in-house training

### KEY CLIENTS & PARTNERS.



### ACHIEVEMENTS.



Innovation House 50 Mawson Lakes Blvd  
Mawson Lakes SA 5095  
 dewcservices@dewc.com  
 dewc.com  
 www.linkedin.com/company/28996058

### COMPANY OVERVIEW

EM Solutions is a trusted technology developer of innovative microwave and on-the-move radio and satellite products that help to deliver high speed telecommunications anywhere in the world.

The company's principal activity is the design, assembly, test, and support of high end, broadband satellite transceivers and communications-on-the-move terminals for defence and government customers.

Our most discerning customers typically serve the national interest and require resilient and assured systems operable in high threat environments.

### PRODUCTS AND SERVICES

Innovative leading-edge satellite and microwave communication technology for Defence and Maritime sectors

- Satellite On-the-Move Communication Terminals** – Innovative Maritime and Land systems adopted by Defence and Government customers globally
- Microwave subsystem parts and components** – tailored design and build to MilSpec customer requirements
- Build to Print** – Contract manufacture of microwave or radio and radar designs
- Design and Engineering** – Develop, test and manufacture of Radio Frequency (RF) and Mechatronic products and systems
- Through Life Support** – Maintenance and repair services for deployed electronic systems and products (including our own)

### CONTACT US

**Main Office**  
 Gary Shmith  
 Global Sales Director  
 P: +61 7 3414 0700  
 F: +61 7 3414 0799  
 gary.shmith@emsolutions.com.au  
 55 Curzon Street, Tennyson QLD 4105

**US Office**  
 Todd Hershberger  
 VP Business Development  
 P: +1 828 302 5549  
 todd.hershberger@emsolutions.com.au



EM Solutions is an Electro Optic Systems Holdings Limited (ASX:EOS) owned company

### DISCRIMINATORS

Leaders in design, build, and test of assured and resilient wireless communications products

Extensive library of proprietary IP enables rapid customisation of RF products and vertically integrated platforms to customer specification

Unique antenna, monopulse tracking and multi-band RF technologies

Trusted microwave technology development, manufacturing and support/sustainment capabilities covering all aspects of electronic hardware for defence customers

### KEY CUSTOMERS

Australian Navy	Jepico/NICT Japan
Australian Border Force	DSTG (Australia)
Inmarsat	Thales
US Navy	Leonardo
Indra / Spanish Army	Airbus / L3
Amplus / Indian Army	UR Group
Australian Army (C4EDGE)	NATO Navies

### KEY PARTNERSHIPS

University of Queensland	<b>Build to Print &amp; Services Partners</b>
CSIRO	BAE Systems
DSTG (Australia)	Ground Probe
University of Sydney	Australian Department of Defence

### QUALITY ACCREDITATIONS AND AWARDS

ISO 9001:2015	Essington Lewis Award 2018
Australian Trusted Trader	Dept. of Defence SME Team of the Year (with Navy / CASG)
Known Consignor	Thales Australia Supplier of the Year 2018
	Lord Mayor's Innovation Winner 2016



If you communicate via satellites in space while moving on land or sea, EM Solutions has the answer.



Ka-band-mm-wave transmitters for satellite communications



ENGINEERING GROUP PTY LTD

## Company Quad Chart

### Company Capability Overview

- Business is a A\$14M in revenue (2019-2020) Market-leading provider of Hydraulic Cylinders, components and Defence work
- ISO 9001: 2015 Accredited
- DNV-GL Welding Shop Accreditation
- Broad Industry Base: including Defence, Marine & General Engineering
- Domestic & Export Experience
- Headquarters : Adelaide SA (5,700 sq m facility) with 70 Employees

### Capability

- 5 Axis CNC Milling
- 7 Axis CNC Turning
- High Accuracy Long Bed Turning to 12m plus
- Classification Society Accredited Welding
- Fabrication
- Design
- Painting
- Non Destructive Testing
- Assembly & Testing
- Hydraulic Cylinder Repair & Refurbishment

### Competitive Discriminators

- Market leader for complete Hydraulic Cylinder design, manufacture & repair with nearly 30 years experience in supply
- Access to niche value-added services in material treatments, coatings and testing
- Experienced Design & Management team
- Proven Marine Cylinder Design & Manufacture
- Certified for Welding of Machined Components
- Climate controlled Metrology Lab with two CMMs

### Partners & Customers

- ASC
- Austal Ships
- Austal USA
- Babcock Australasia
- MacTaggart Scott Aust.
- Bombardier Transportation Aust.
- Liebherr
- RME Global
- Thyssenkrupp Marine Systems

### Certifications / Accreditations

- ISO 9001: 2015 QA
- DNV-GL Welding Shop Accreditation
- ABS Type Approval, Manufacturing Facility Assessment
- LRS Approved Weld Procedures for Low Temp Steels (LAME)

### Contact/Address Details

POC: Michael Klappers – General Manager  
 Phone: +61 8 8281 0955 / +61 4 3984 0256  
 Email: michael@ezyfit.com.au  
 Web: www.ezyfit.com.au

10 Cheviot Road  
 Salisbury South  
 South Australia 5106

GPA

Consult Engineer Deliver Ideas Realised

### COMPANY OVERVIEW

GPA is a national engineering design consultancy that thrives on complex projects requiring innovative solutions underpinned by our experience and research capabilities.

We are consultants, designers, integrators and sustainment partners.

GPA has a national network of offices approaching 300 staff, mostly professional engineers, servicing clients across Australia including rural and remote locations.

Our creative thinking and extensive engineering capabilities combined with solid processes and management skills, ensure our projects are completed efficiently and beyond expectation.



### CAPABILITY

- Automation and control systems integration
- Compliance to regulations and standards
- Design verification and validation
- Hazardous Area; HA, EHA, REA
- Rotating equipment; generators and motors
- Detailed design/arrangement and 3D CAD
- Power systems modelling, analysis, design
- Balance of plant for major equipment
- Simulation and modelling
- FEA and stress analysis
- Lifting systems design and plans
- Inspection and certification
- System integrity and functional safety
- Auditing and risk assessment

Stability	33 years in operation	>96% staff retention
Sovereign Capability	100%	Australian owned & operated
Defence	15 years	Supporting Defence
Diversified Expertise	A wealth of knowledge from multiple industries with transferable capabilities	

### SPECIALISATIONS

- Power and Control Systems
- Fuel and Gas; Storage, Piping & Pumping, Hydrogen
- Mechanical and Structural Finite Element Analysis
- Lifting Systems
- Packaging of equipment for transport and deploy
- 3D CAD
- Risk and Safety Engineering



GPA

Adelaide | Brisbane | Perth | Darwin | Melbourne  
 gpa@gpaeng.com.au | www.gpaeng.com.au

Head Office  
 121 Greenhill Road  
 Unley, SA, 5061

Sean Flaherty  
 08 8299 8300 | 0413 442 488  
 Sean.Flaherty@gpaeng.com.au



**PRODUCT**



- Rapidly deployable short, medium, or long-term field infrastructure.
- Support to defence, emergency services, mining, construction, and medical/healthcare in isolated environments.
- Rigid structure, climate controlled, integrated modules and ablutions, flat packed into containers.
- Standard deployment is eight modules in a customised container.
- Constructed from energy-efficient, insulated, colour-bond, steel-clad walls and roof.
- Fully scalable: accommodating from a few, to thousands.
- Flexibility and adaptability provides provision for accommodation, storage for IT, office/meeting/briefing spaces, recreational spaces, etc.
- Longevity: the Humanihut Field Infrastructure System ("HFIS") has a lifespan of 20 years.
- Options to rent or buy.

**CAPABILITIES**

- Establishment of a 32 hut/module and six bathroom "Basecamp" takes 5-7 hours.
- "The Basecamp" can accommodate up to 128 people @ 4 people per Hut.
- Extra "Basecamps", or larger/smaller configurations can quickly and easily be added or removed.
- Deployment can be to a greenfield site, or on hard standing.
- The HFIS will connect to mains water, power and sewerage if available, or can run autonomously due to the fully integrated power, water, and wastewater systems.

**DIFFERENTIATORS**

- Rapidly deployable, rigid, robust infrastructure which is climate-controlled.
- Designed to be redeployed as often as needed over its 20 year lifespan.
- Integrated power, water and sewerage if mains infrastructure is not available.
- Unique, flat-pack design: "The Basecamp" is transported in seven containers.
- Easily established and disestablished with minimal environmental impact.
- Each hut is individually air conditioned, insulated, provides noise reduction, and is able to be blacked out to assist with fatigue management.

**KEY CUSTOMERS**

South Australian Government (State Emergency Service) · South Australian Government (SA Country Fire Service) · Utilis (France) · Aspen Medical (Federal Government Project: Response to COVID-19 Pandemic)



**KEY SUPPLY PARTNERS**

Kadego · Enviroclad Australia · Singamas Container Holdings Limited · SAGE Automation · Seely International



**PROUDLY AUSTRALIAN**

A proud, multi-award winning Australian owned and operated company, with a new and innovative approach to rapidly deployable field infrastructure. Humanihut provides a level of comfort for workers/ADF members in temporary infrastructure that is unrivalled.

**QUALITY STANDARDS & OTHER ACCREDITATIONS**

- AS/NZS 3001:2008 compliant
- South Australian Certificates of Compliance

**CONTACT**

**Neale Sutton, Managing Director**  
Humanihut Pty Ltd  
M: +61 408 836 154  
E: [neale@humanihut.com](mailto:neale@humanihut.com)  
W: [www.humanihut.com](http://www.humanihut.com)

**Ian Lynch, General Manager, Asia Pacific**  
Humanihut Pty Ltd  
M: +61 405 612 067  
E: [ianlynch@humanihut.com](mailto:ianlynch@humanihut.com)



## Adaptive Actions – From Disruption to Deployment



Knowledge Perspectives believes a collaborative network will deliver insights, enlightenment, competencies, and endsight in an ever increasing complex and disruptive world.





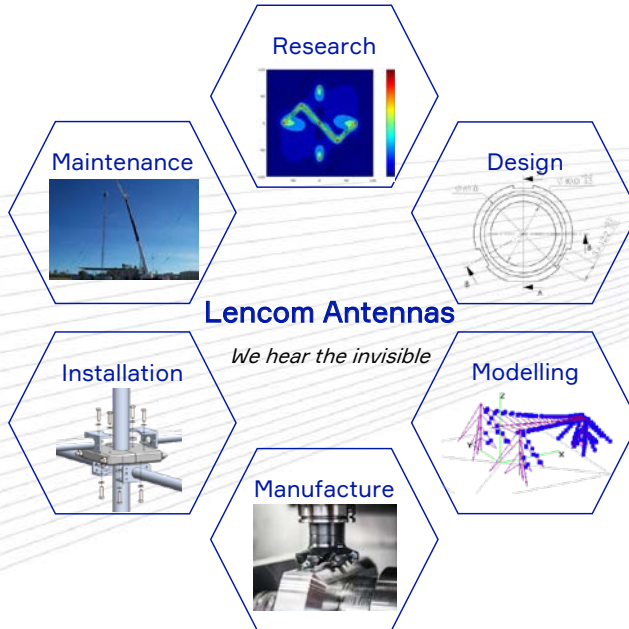
**Core Expertise**

- ✓ Lencom is a specialist provider of high-quality antenna products.
- ✓ Lencom's expertise includes both design and manufacture with particular emphasis in the following areas:
  - High Frequency (HF) communications
  - Vehicle-based equipment including Mil-spec tuners, bases and whips
  - Large base-station antennas including log periodic (horizontal or vertical), bi-conical dipoles, deltas, travelling wave dipoles etc.
  - Custom design and antenna array capability
  - Radar and large system maintenance

**Competitive Discriminators**

Array modelling

8 Antonio Court  
Newton SA 5074  
Australia



Lifecycle expertise in HF communications: R&D, design, test, build

Commercial and military capability

Tel +61 8 8365 1900  
Fax +61 8 8365 3070  
Email info@lencom.com.au



**BAE SYSTEMS**  
Radar Maintenance  
Antenna Design  
Antenna Supply



**CODAN**  
Antennas - Tactical  
Antennas - Commercial  
Masts



# MECHVAC Engineering

ENGINEERING  
YOUR  
SUCCESS

<p><b>MECHVAC Capabilities</b></p> <p>Major facilities engineering projects. Turnkey project delivery.</p> <p>Design, manufacture &amp; installation of Plant Services, Equipment and Air Handling Projects including;</p> <ul style="list-style-type: none"> <li>Manufacturing Plant Layout, Relocations and Upgrades following lean principles</li> <li>Air-conditioning, Fume &amp; Dust Extraction Systems</li> <li>Plant Equipment and Machinery</li> <li>Spray Booths, Clean Rooms and Ovens</li> <li>General Metal Fabrication</li> </ul>	<p><b>MECHVAC Key Customers</b></p> <table border="1"> <tr> <td>Aust Submarine Corporation</td> <td>Air conditioning &amp; Fume Extraction systems</td> </tr> <tr> <td>Aust Submarine Corporation</td> <td>Pressure Test System</td> </tr> <tr> <td>Aust Submarine Corporation</td> <td>Workshop Upgrades (various)</td> </tr> <tr> <td>Bureau Veritas/BHP</td> <td>\$10m Turn Key Test Facility for Olympic Dam</td> </tr> <tr> <td>General Dynamics</td> <td>Facility Layout Upgrades for armoured vehicle manufacturing &amp; maintenance based on lean principles</td> </tr> <tr> <td>PMB Defence</td> <td>Red Lead Dust &amp; Acid Formation Fume Extraction systems</td> </tr> <tr> <td>PMB Defence</td> <td>Lead Oxide &amp; Acid Dilution Plant Layout &amp; Feasibility</td> </tr> <tr> <td>PMB Defence</td> <td>Powder Coat Plant Relocations</td> </tr> <tr> <td>PMB Defence</td> <td>\$40m Plant design, fit-out and relocation</td> </tr> <tr> <td>Thales Australia</td> <td>Pressure Test System</td> </tr> <tr> <td>Pema (Pemamek Oy Ltd)</td> <td>Ventilation ductwork design, manufacture and installation. Building 20, Osborne Navy Ship Precinct</td> </tr> </table>	Aust Submarine Corporation	Air conditioning & Fume Extraction systems	Aust Submarine Corporation	Pressure Test System	Aust Submarine Corporation	Workshop Upgrades (various)	Bureau Veritas/BHP	\$10m Turn Key Test Facility for Olympic Dam	General Dynamics	Facility Layout Upgrades for armoured vehicle manufacturing & maintenance based on lean principles	PMB Defence	Red Lead Dust & Acid Formation Fume Extraction systems	PMB Defence	Lead Oxide & Acid Dilution Plant Layout & Feasibility	PMB Defence	Powder Coat Plant Relocations	PMB Defence	\$40m Plant design, fit-out and relocation	Thales Australia	Pressure Test System	Pema (Pemamek Oy Ltd)	Ventilation ductwork design, manufacture and installation. Building 20, Osborne Navy Ship Precinct
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<p><b>MECHVAC Key Discriminators</b></p> <p><b>Plant Layout Benefits include;</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Productivity Improvements up to 50%</li> <li><input type="checkbox"/> Inventory Reductions up to 80%</li> <li><input type="checkbox"/> Quality Improvements up to 30%</li> <li><input type="checkbox"/> Floor Space Savings up to 25%</li> <li><input type="checkbox"/> Safety and Ergonomic Improvements</li> <li><input type="checkbox"/> Low Risk</li> </ul> <p>Zero L.T.I and M.T.I for the previous 12 months 100% of clients have noted they are satisfied with our service.</p>	<p><b>MECHVAC Quality Standards, accreditations &amp; contact details</b></p> <p><a href="http://www.mechvac.com.au">www.mechvac.com.au</a></p> <p>+61 8 8262 1244 +61 8 8260 5991</p> <p>1/35-37 Maxwell Road Pooraka SA 5095</p>																						



## Migration Solutions

Migration Solutions is a full-service migration and global mobility consultancy. Founded in 2001, it is the largest and most comprehensive migration advice and global mobility consultancy company in South Australia, with a national and international foot print.

As a long term member of the DTC, Migration Solutions has significant experience across the defence and other key and critical sectors. This includes large and small corporate clients and appointment to the Defence and Space Landing Pads. Global mobility support services assist local businesses to recruit internationally, and international or interstate businesses commencing operations in SA to bring in people they need, from anywhere in the world.

## Capabilities

- Corporate and business migration eligibility assessment
- Workforce planning strategies
- Negotiating business and industry labour agreements
- Designated Area Migration Agreement (DAMA) advice and support
- Visa eligibility, application advice, lodgement and support
- Sponsor obligations and corporate governance compliance
- Relocation and settlement support for employees moving to SA

**Mark Glazbrook MMIA**  
 Chief Executive Officer  
 P: (08) 8210 9800  
 M: 0400 990 772  
 mark@migrationsolutions.com.au  
 www.migrationsolutions.com.au

## Key customers

- Defence primes
- Engineering
- Project managers
- Manufacturing
- Government
- Logistics
- R&D
- IT

## Key markets

- Defence
- Mining, Oil and Gas
- Engineering
- Construction
- Manufacturing
- Education and research
- Medical and clinical research
- Accommodation and tourism
- Food and fibre
- Industry associations
- Government
- Retail
- Sport

## Discriminators

- ✓ Visa and travel ban waiver advice and assistance
- ✓ Over 50 years' combined migration experience
- ✓ Largest team of registered migration professionals in SA
- ✓ A Corporate Social Responsibility program that includes raising \$50,000+ to support temporary visa holders during COVID
- ✓ Trusted by families, business and government

## Quality and recognition

- ✓ Six registered Migration Agents
- ✓ Member, Defence Teaming Centre (since 2006)
- ✓ Approved Defence and Space Landing Pad provider
- ✓ Member, Migration Institute of Australia
- ✓ Compliant with the Migration Agents Registration Authority code of conduct

# PARA BELLUM SOLUTIONS

GLOBAL BUSINESS DEVELOPMENT | MANAGEMENT CONSULTING | RECRUITING

VETERAN OWNED



### Our Valued Clients:

## Our services

- 1. Business Development as a Service (BDaaS).** Developing export strategies and leading expansion efforts for Australian Defence and Space sector SMEs in the UK & EU, and for UK & EU SMEs wishing to bring their unique defence expertise and products to Australia.
- 2. Management Consulting.** Consulting services to the Defence and Space Sector in; Strategy, AIC, Software, Engineering, Project Management, Technical SMEs and bid assistance. Services offered in Australia and the UK.
- 3. Candidate Sourcing.** Sourcing of highly skilled specialists (from AUS and abroad) to deploy directly into critical Defence Capability Projects.

## Why choose us?

- We are on the ground in the UK and Australia, with strong European connections to represent your business.
- Our Team is comprised of highly qualified and experienced experts in their relevant fields with current domain knowledge.
- Our professionals have worked for global consultancies in the Defence and Space sector.
- We have a strong pipeline of highly qualified expatriate staff looking to join your company in Australia.
- We can facilitate security clearances.
- Our lean operating model means our clients can access highly skilled people with low overheads and flexible procurement options.

## Contact AUS

**Jake Kearsley, CSM (Director)**  
 E: [jake@parabellumsolutions.com](mailto:jake@parabellumsolutions.com)  
 M: +61 412 608 620

## Contact UK

**Ben Hall (Director)**  
 E: [ben@parabellumsolutions.com](mailto:ben@parabellumsolutions.com)  
 M: +44 7393 539841

**PRODUCT**

- SME Supplier of hoses, assemblies, adaptors, couplings & fittings.
- Australian made bespoke fittings, valves, and adaptors.
- Instrumentation & hydraulic tube work/compression fittings.
- Fire Suppression AS5062 compliant supply, installation & service.
- Centralised progressive lubrication system supply and Installation.
- OD Tube and NB Pipe assemblies.



**CAPABILITIES**

- Manufacture, supply and installation of hoses, tube, pipe, assemblies, fittings, adaptors, valves in various materials, ZPS, SS, S/Duplex, NAB, CuNi.
- NATA Testing & certification, static, dynamic, impulse, and endurance.
- Low pressure Industrial hose (Rubber PVC & Stainless) assemblies.
- Hydraulic system design, Light Engineering & technical support.
- Defence OQE Traceability, RFID hose tagging, laser engraving.

**DISCRIMINATORS**

- Servicing the Defence industry for more than 30 years
- Dedicated in house Defence section, office, warehouse, and workshop
- RFID & Laser etching product identification
- Self-extinguishing, unlimited shelf-life hose assemblies
- Specialty hose construction / Ultra high-pressure hoses.
- Specialised 400Bar UHP Nitrogen testing for HP BA Air assemblies
- Qualified assemblers and installers located in South Australia.
- Defence specific item data catalogues for configuration control
- ITP assembly production and material traceability
- Defence ITAR Compliance
- 24/7 National supply & service support 102 National Service locations
- DISP,ICN and DTC Registered.



**KEY CUSTOMERS, DEFENCE and MINING**

BAE SMA • Luerssen Aust • ASC • ASC AWD • Navantia • Babcock • MacTaggart Scott • Penske • Raytheon • Thales  
 General Dynamics • BHP Billiton • Glencore • Rio Tinto • Santos



**KEY SUPPLY PARTNERS - Global Supply Network**

Bridgestone • ZEC • IVG • Intertraco • QPE • Treloar • Nitto • SMC  
 Qtec • Fast-Fill Systems • Graco • Battlefield • BAR group-Australia  
 Volz • Convuluted Technologies • Valvoline • Megafire • Barfell



**AUSTRALIAN**

Proudly and uniquely Australian, Pirtek are the market leader in providing our diverse group of customers with a comprehensive portfolio of fluid transfer solution products and services. We have built a long-term relationship with our Defence Industry Customers and potential customers by consistently providing proven high-quality products and services, wherever they are needed.

**QUALITY STANDARDS AND OTHER ACCREDITATIONS**

ISO9001-2015 & AS4801 Critical supplier to ASC AWD shipbuilder  
 Defence - Letter of Recognised Supply  
 DNV-GL Type Approval DNV-GL Assembler Approval  
 Lloyds Type Approval Technical Support Agency and supplier to ASC (submarines)



**CONTACT**

Steve Linscott Account Manager - Defence  
 Pirtek (Adelaide) Pty Ltd 475 South Road, Regency Park SA, 5010  
 Tel +61 8 8229 5200 M +61403571203 Email defence.adl@pirtek.com.au  
 Website [www.pirtek.com.au](http://www.pirtek.com.au)



**PREDICT AUSTRALIA** by SNEF Lab

PREDICT Australia is an innovative supplier of predictive data technologies and services for health assessment, remaining useful life prediction and usage optimisation.

PREDICT Australia works globally from the Adelaide office, also providing solutions across adjacent sectors including mining, oil & gas, energy and manufacturing.

PREDICT Australia's parent company PREDICT is a global leader in predictive technologies in Naval, Aerospace and Land with over 15 years working with Defence globally.

**Cory Pritchard**  
 Director  
 M: +61 452 256 447  
 E: [cory.pritchard@predict.net.au](mailto:cory.pritchard@predict.net.au)

[www.predict.net.au](http://www.predict.net.au)

[www.linkedin.com/company/predict-australia-pty-ltd](http://www.linkedin.com/company/predict-australia-pty-ltd)

Allied Health Building, Lot Fourteen  
 Corner of North Terrace and Frome Road  
 Adelaide SA 5000 Australia

**CAPABILITIES**

- Health and Usage Monitoring System (HUMS) design, development and implementation
- Asset/vehicle health and usage analysis across a fleet to power pre-mission vehicle selection
- Remote monitoring and health assessment mid-mission
- Early detection of asset dysfunctions that lead to failures
- Data collection/edge computing solutions for integrated, on-platform monitoring
- Strong local research and development capability

**PRODUCTS**

KASEM (*Knowledge and Advanced Services for E-Maintenance*), PREDICT's advanced collaborative monitoring platform, is a foundation for our solutions that is built upon as per our client's requirements.



**DISCRIMINATORS**

- Adelaide based SME, delivering full solution lifecycle capability locally
- Industry proven solution based on 22+ years of R&D
- Prediction of failures up to 6 months in advance
- No additional instrumentation required

**CUSTOMERS & PARTNERS**



Partner with Airbus on Team Nightjar to optimise fuel consumption and anticipate abnormal behavior of the proposed H145M fleet.



Partner with SESAME (*Smart European Space Access through Modern Exploration of data science*) to explore Predictive Maintenance and Predictive Quality of manufacturing equipment for the Ariane 6 Launcher.  
<https://sesame-space.eu>



Project to investigate mission simulation, integrating impacts of operation on degradations, conditions and environmental contexts before, during and after a mission to continuously evaluate the capability to safely achieve the mission objectives.



"The knowledge and analytical capability of PREDICT were instrumental in identifying the equipment degradations and operational malfunctions of the RAFALE fleet aircraft. The responsiveness and dynamism of the team are highly appreciated."



## Capabilities – Supplier of Advanced Equipment

- Advising on, supplying and installing advanced manufacturing machines
- Robotic welding, WAAM (Wire Arc Additive Manufacturing)
- Hi-tech 3D Profiling - Laser, Plasma, Gas and Water with beveling, scanning, ACTG (Auto-Calibration of Tool Geometry), ...
- Composite press and light weight material technology
- Large scale precision machinery, cutting and fabrication
- Complex plate and section rolling, metal forming and bending
- Service, back-up and support agreements incl. dedicated stock holding
- Specialised consumables, wear items and spare parts

Robert Resch  
Managing Director  
T: 08 8363 1311  
M: 0414 451 513  
info@protube.com.au

### Competitive Differentiators

- Highly experienced in “Bridging the Gap” between OEM and end user
- Exceptional manufacturing & application know-how
- Long exclusive partnerships with world’s leading machine builders: Fives Group, EFD, IGM, Pemamek, MicroStep, Wickert.....
- Genuine “One Stop” supply with large inventory
- ISO accredited local equipment supplier
- Effective conduit for increasing local service & industry value – AIC

### Key Markets

- Defence
- Infrastructure
- Tube & Wire
- Industrial Manufacturing
- Mining
- Oil and Gas
- Steelworks

### Quality & Associations

- ISO 9001
- ISO 14001
- DTC Defence Teaming Centre
- ASI Australian Steel Institute
- AMTIL Australian Manufacturing Technology Institute
- DISP – in progress

### Key Customers and Recent Projects



- Completed turn-key delivery of most fabrication machines at ONSP with Lendlease, ANI, OMT and BAES Maritime/ASC
- Complete turn-key delivery of 52,000 kN Composite Press for Rheinmetall RDA, LC Press and other machinery for Naval NGA



## Building workforces for the future.

Quintessential Consulting Pty Ltd  
info@quintessential.coach  
www.quintessential.coach

### QUINTESSENTIAL

#### Capabilities & Services.

Quintessential Consulting Pty Ltd is in the business of building resilient organisations and future-proofing their workforces to the ever increasing complex and uncertain challenges that we face. We possess a strong Defence background and are subject matter experts in our respective domains.

We bring new thinking and a diverse range of contemporary approaches. We leverage our lived experience and complimentary capabilities in engineering, project management, psychology, learning & development and coaching to create the changes that you seek.

Our diversity is our strength. When you can see things differently, new behaviours and practices can be created, which opens up new and novel possibilities. Our ability to accomplish this will enable you to attain a competitive advantage and stay ahead of the game.

We build your capability to address your future challenges and implement your strategy to make it real.

#### AREAS OF EXPERTISE

- STRATEGIC BUSINESS ADVICE
- PROGRAM & PROJECT MANAGEMENT
- LEARNING & DEVELOPMENT
- COACHING & FACILITATION
- ORGANISATIONAL CAPABILITY, CHANGE & TRANSFORMATION
- STRATEGY, IMPLEMENTATION & GOVERNANCE

#### Key Customers & Track Record.



#### CASG

- Enterprise Transformation & Industry integration
- SPO Reform, Organisational Design & Change implementation
- Asset Management, Governance & Performance
- Skills Assessment, L&D Program Design, TNA & Professionalisation Pathway Design



#### DEFENCE INDUSTRY

- Agile Implementation, Cultural Transformation Program
- AIC Strategy
- Strategy for Tender Responses
- Leadership Development & Executive Coaching



#### QLD GOVERNMENT

- Skills Assessment & Future Workforce Needs Analysis in Aerospace & Defence
- Workforce Capability Development in Diversity & Inclusion
- Transformation & Change, and Leadership Development



#### PRIVATE

- Executive & Leadership Coaching
- Leadership & Team Building programs
- Bespoke Workshop Design & Delivery
- Business Development & Mentoring



Quintessential helps you to navigate our complex and unpredictable environment by developing your ability to identify deeper issues rather than just treating the symptoms. This is because today's problems require new approaches as we are faced with new and different types of challenges that are beyond our ability to control or predict.

We develop your workforce capabilities by transferring knowledge through techniques that are robust, practical and sustainable. We deliver bespoke solutions, not generic templates, and our methodologies are based on empowering your people to make better and more informed decisions. Our goal is to work with you to develop your people to become more autonomous, agile, adaptable and resilient to the uncertainties of the future.

At Quintessential, we believe that knowing HOW to think will empower you far beyond knowing WHAT to think.

#### WHAT SETS US APART

• BEST PRACTICE approaches enabled by:

- Application of Defence & non-Defence experience
- Systems thinking & human-centred design methodologies
- Complex problem solving

• VALUE FOR MONEY through low overheads, and self managed Consultants

• AUTONOMY & INDEPENDENCE as experienced practitioners

• TRANSFER OF KNOWLEDGE to your organisation



Sessional Academic & Industry Partner



RTO partner



Aeroskills development & Gateway Schools Program



Technology Partner



RTO, Facilitator & Key Partner



Peak body for Learning & Development Professionals

#### Key Partners.

#### Competitive Discriminators.

Contact Patrick Albina FOUNDER & DIRECTOR  
Quintessential Consulting Pty Ltd

Email info@quintessential.coach  
Mobile +61 412 182 581





# QUISK

Established in 2006, Quisk is a South Australian based branding, design & digital marketing studio helping businesses of all sizes to tell their story and thrive.

We are adventurous in helping businesses to convey their great stories in the most engaging style.

We create partnerships to plan, inspire and develop creative brand communications that speak to your target market, through >>

A trusted delivery partner of:  
 **Defence Teaming Centre**  
Connecting • Developing • Advocating



## Branding //

- + Brand Identity Design
- + Brand Strategy
- + Brand Style Guide



## Graphic Design //

- + Marketing Materials
- + Annual Reports
- + Publications
- + Signage and Display
- + Stationery
- + Press Advertising
- + Print Management



## Websites & Digital //

- + Website Development
- + Website Maintenance
- + Search Engine Optimisation (SEO)
- + Search Engine Marketing (SEM)
- + Analytics



## Social Media //

- + Social Media Management
- + Social Media Training
- + Sponsored Ads Management
- + Consulting
- + Guest Speaking + Events

hello@quisk.com.au // 08 8350 0088 //   

quisk.com.au



Troy Hemmerling - National Manager, Defence

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troy.hemmerling@gotosage.com

SAGE Group is a global company with a team of 500 people across two continents. As a specialist industrial services provider, SAGE has five specialist business units who combine their expertise to support clients to lead into the future on their digital transformation journey, with the perfect balance of technology, process and capability.

**Locations:** Adelaide, Brisbane, Darwin, Hobart, Launceston, Melbourne, Perth, Sydney, Alice Springs, Geelong, Kalgoorlie and Katherine

**Employees:** 500

**Quality accreditations and awards:**

ISO 9001:2015  
ISO 14001:2015  
ISO 4801:2001

gotosage.com

## Electrical & Control Systems Engineering and Integration

### Capabilities

SAGE Group Defence has proven capability in delivering agile, innovative and fit-for-purpose electrical control systems for Defence Primes, OEMs, SMEs and to suit Defence Infrastructure sector requirements.

SAGE is truly vendor independent, with more than 25 years' experience and robust worldwide supply chains and you can rest assured we source only the best-fit components to suit any solution.

We proudly embrace sector diversity, allowing cross pollination of the 'best thinking in engineering' - enabling us to not only 'meet' the industry's rigorous demands, but exceed them.

As a system integrator, we utilise where possible, commercial off-the-shelf (COTS) components, to deliver appropriate and maintainable solutions.

### Delivery

SAGE understands defence is a risky and complex industry, requiring fit-for-purpose, reliable solutions - in order to keep the Australia's Defence Force safe and efficient.

Our solutions live up to their promise.

SAGE Defence adheres to global best practice systems and processes. Our design process is rigorous and our testing regime is comprehensive.

We deliver what we say we will.

### Key customers and partners

- ASC
- BAE Systems
- Chemring
- Navantia
- NSM
- Thales
- Auglity
- Ultra Electronics
- SAAB Australia
- Sitzler
- Tjivi Partners
- McMahon Services
- Ventia
- Aurecon
- Detegasa
- Navantia
- Siemens
- Rockwell Automation
- Schneider Electric

### Discriminators

Proven track record in supporting global Defence companies delivering projects and services.

Reliable and robust with a comprehensive supply chain built from more than 25 years' experience.

Expertise to collaborate with you and recommend the best solution for your requirements.

Robust quality and management systems underpinning the entire SAGE business.

Established national workforce providing critical mass with great breadth and depth of in-house skills, and a can-do attitude.

### Key projects

- SAAB Australia - Modular Multi-Function Console Manufacture
- BAE - Paluma Class Switchboard & Engine Control Panel Upgrades & Manufacture
- Noske Kaeser Marine Services - SEA180 Offshore Patrol Vessel (OPV) Switchboards & Control Panels
- Navantia - Auxiliary Oiler Replenishment (AOR) Simulator Rooms
- ASC - Collins Class Chilled Water Control System Upgrade
- RAAF Darwin - Fuel Farm 3 & 7 Upgrade
- RAAF Darwin & Robertson Barracks - HV Solar Augmentation
- Darwin and Tindal - MTCE contracts Broadpectrum
- RAAF - Airport Runway Lighting System Upgrade, 6 key defence sites



Sinclair Product Design is a national Product Design consultancy able to meet the most demanding client briefs for clients operating in any sector.

Applications:

- Product Design + Prototyping
- Engineering Projects
- Defence Product Design
- Manufacturing and Product supply

Discriminators

- Over 20 years industrial design experience
- Mass production: 20+ new product releases in the last 2 years
- Expert in designing for extreme conditions: Seeley International, coolers designed to withstand continuous UV light, salt spray and dust. Quality ensured 7 year comprehensive warranty
- Design and production capabilities affiliated with key manufacturing partners in Australia such as Axiom Precision Manufacturing.
- Designs and supplies products made in Australia. Example: Macadamia nut harvester wheels for North Queensland

Capabilities

- User Centred Design Research
- Aesthetic Concept Design
- Electronics Integration
- Product Architecture
- Detail Component and Assembly CAD Design for Manufacture
- Engineering Drawings for Manufacture
- Prototyping Specification and Prototype Supply
- Product Supply through partnerships with Injection Moulders and CNC Component Manufactures

Key Customers

- Seeley International – Evolution Cooler
- Polycraft – 3.0m Tuff Tender and 4.5m Boat
- Toro – Click and Go sprinklers range
- Wavcom – Electrical Appliance Tester
- Axiom – AX4 Ford Ranger Light-force spotlight mounting grille
- SPD – Land equipment, Ergonomic handle, Land forces

Quality Approvals & Awards

- DIA Member (Design Institute of Australia)
- DTC Member (Defence Teaming Centre)
- Baseline Security Clearance
- Registered with DISP (Defence Industry Security Program)
- 2018 Good Design Award for the Seeley International Evolution Cooler

Key Markets

- Large and small clients: Servicing local manufacturing businesses in Adelaide, such as Seeley International and Toro Australia.
- International clients: USA and UK
- Start-up Businesses: Designing and supplying product for niche start-up businesses
- Rural clients: Aquaculture industries in SA such as the Oyster Farms in Cowell
- Interstate clients: Queensland, designing Rota-moulded boats for the Australian market



Sinclair Product Design  
Tonsley Innovation Precinct  
www.sinclairproductdesign.com.au

Sinclair Product Design + Prototyping April 2021

Shoji Sinclair  
Industrial Design Consultant  
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Talent International

www.talentinternational.com



Anthony Whyte  
General Manager - SA  
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Talent is one of the world's most innovative [IT recruitment](#) companies. For over 25 years we've been supplying thousands of contract and permanent IT, technology and digital professionals to our diverse client base.



▶ CAPABILITIES

- Baseline; NV1 and NV2 cleared personnel
- PMO and Project Management
- APPS & Mobile Development
- IT Executives and Management
- Security and Risk
- Software Development
- Infrastructure and Support
- Digital and Media
- Telco and Communications

▶ KEY CUSTOMERS

- Defence Sector
- Local; State and Federal Government
- Utilities Sector
- Education
- Digital
- Telecommunications
- Manufacturing
- Banking and Finance
- IT Services
- Mining

▶ KEY MARKETS (Local / International & Potential)

- Australia – all capital cities
- New Zealand – Auckland and Wellington
- United Kingdom
- United States

▶ DISCRIMINATORS

- Global Coverage
- Australia's largest private ICT Recruitment Agency
- Pure Technology Specialist
- Talent Rise Foundation – helping disadvantaged youth
- Talent Unleashed Awards – Supporting Innovation and Disruption
  - Judges include: Sir Richard Branson, Steve Wozniak
- Talent Engage – Loyalty Program for our contractors
- Key staff are shareholders of the business

▶ QUALITY APPROVALS & AWARDS

- DISP Certified
- ISO 9001 Certified
- APSCo Member
- APSCo Board Director (Anthony Whyte)
- RCSA Member
- Gallup – Exceptional Workplace (2021 & 2020)
- LinkedIn – Most Socially Engaged Agency (2020)
- SEEK SARA Award – Large Recruiter of the year (AUS)
- SEEK SARA Award – Medium Recruiter of the year (NZ)
- SEEK SARA – Most Innovative Agency of the Year (2015)
- EY Entrepreneur of the Year

# Technoweld

Technoweld is a leader in the development of welding management systems with globally recognised expertise in welding consultancy, development, inspection and training.

P: 1300 00 WELD (1300 00 9353)  
E: admin@technoweld.com.au

## HEADQUARTERS

296-298 Hanson Road  
Wingfield South Australia 5013

## LOCATIONS

Adelaide, Brisbane, Darwin, Perth, Sydney



## OWNERSHIP

100% Australian Owned & Operated

[TECHNOWELD.COM.AU](http://TECHNOWELD.COM.AU)

## CAPABILITIES

- Welding Engineering & Consultancy
- Welding Supervision & Inspection
- Welding Procedure Development & Qualification
- QA documentation, including ITPs, MDRs, forms and templates
- Welding Management System Development
- Fatigue-Life Improvement
- Failure Analysis and Expert Witness
- Implementation of AS/NZS ISO 3834 Welding Quality Management Systems for Fabricators
- Translation of International Welding Standards into Australian Equivalents
- Post-Trade Training (on-site and online) for Welding Supervisor (Cert 10) and Inspector (CSWIP)
- Supply-chain compliance, gap analysis & improvement
- Workforce Planning & Development



## DISCRIMINATORS

- Proven defence experience working at Commonwealth, Prime and SME level
- Over 20 years of consultancy, development, inspection and training experience in Australia and abroad
- National footprint with local staff across 5 states and territories
- Highly experienced staff of internationally qualified welding engineers and technologists
- Ability to provide value and de-risk projects from design all the way through to commissioning and through-life support
- State of the art workshop and classroom training facilities
- Exclusive agency agreement for delivering internationally recognised training through The Welding Institute (TWI) in Australia

## KEY CUSTOMERS



## QUALITY ACCREDITATIONS



## KEY PARTNERS



08 8347 0603  
info@tqcsi.com

117A Tapleys Hill Rd, Hendon  
SA, 5014, Australia

[www.tqcsi.com](http://www.tqcsi.com)



**Christine MacDonald**  
Business Development Manager  
christine.macdonald@tqcsi.com

## TQCSI IS AUSTRALIA'S DEFENCE CERTIFICATION BODY

TQCSI is 100% Veteran-owned, with four decades of uniformed experience in TQCSI's Executive Team, we understand the end-user war fighter, and Defence Industry requirements.

### CAPABILITY

#### AVIATION, SPACE AND DEFENCE

- AS 9100 Manufacturing / OEM
- AS 9110 Maintenance / MRO
- AS 9120 Distribution

#### ISO PROGRAMS

- + Quality (ISO 9001)
- + Environmental (ISO 14001)
- + Safety (ISO 45001)
- + Information Security (ISO 27001)
- + Asset Management (ISO 55001)

## COMPETITIVE DISCRIMINATORS

- + **AUSTRALIA OWNED** – TQCSI is 100% Australian-owned with Head Office located in Adelaide and auditors represented across all states and territories.
- + **HIGHEST STANDARDS** – TQCSI is the only Certification Body in Australia to offer the highest Quality Standards, AS 9100-series for Aviation, Space and Defence.
- + **SERVICE** – dedicated fulltime office based audit support team.
- + **RAPID RESPONSE** – we are flexible and responsive to your needs and deliver certification within five working days
- + **EXCELLENCE** – our highly trained and experienced auditors add value to your business
- + **CAPABILITY & CAPACITY** – with over 10,000 current certifications in 41 countries, we have the skills and ability to help and support your business through the certification process
- + **LOCAL OFFICES** in Sydney, Melbourne, Brisbane and Adelaide
- + **PRICE** – competitive rates, free quotations, all expenses charged at cost and no hidden extras
- + **QUALITY** – 90% of our customers agree or strongly agree that audit reports add value
- + **UNIQUE** – TQCSI is the only Certification Body in Australia to be Supply Nation Certified; offering auditing services via TQCSI-Yaran that meet the intent of the Commonwealth's Indigenous Procurement Policy, by including Indigenously owned companies into your supply chain.
- + **INTEGRATED AUDITS** – our experienced Senior Lead Auditors have the skills to audit safety, quality, environmental and other key standards, reducing audit duration and cost
- + **REMOTE AUDITS** – accredited to conduct remote audits (COVID-SAFE)

## OUR CUSTOMERS



# Trymoss Engineering Pty Ltd

## Products

- New Hydraulic & Pneumatic Cylinders
- Hydraulic & Pneumatic Cylinder Repairs
- Hydraulic Testing
- Hydraulic fittings, valves, and piping
- Precision Machining
- 3D design and CAD/CAM
- Down-hole Products
- Down-Hole Thread Repairs
- Pipe nipples, Conswage, Eccentric swages
- Spade, Specblind & Ring Spacers
- Orifice Plates
- Bleed Rings
- Rollers
- Consultation On & Off Site
- Research and Development
- Client specific parts/items
- Exclusive supplier of all products listed in the Belleville range.

## Capabilities

- Machining Services - CNC machines, Centre Lathes, Drilling, Milling, Key Cutting, High & Low Volume, and Large capacity turning.
- Fitting Services - In house cylinder building, In house cylinder testing, On-site Fitting Service, Valve Assembly, Pipe bending.
- Welding - Light Fabrication
- Nut/joint Torquing up to 60,000 ft./lb
- In house CAD/CAM Design & Drafting
- Land Storage Solutions
- Research and Development

## Discriminators

- Quick Lead times averaging 7-10 business days.
- Exclusive Distributor and agent for Belleville International, Australia wide.
- Experienced in product development and global commercialisation.
- Strong Global Connections and Client Network

## Key Customers

- **Mining Sector**
  - Hydraulic Cylinder Design/ Repair & Manufacture
  - Shafts & Rollers
  - Design/Consultation
- **Oil & Gas Industry**
  - In-line Products
  - Down-Hole Products & Repair
- **Australian Defence Force**
  - Radar System Components
  - Body Armour Components
  - Destroyer Project
  - Hunter Class Project
  - Future Submarines

## Key Partners



## Quality Standards



## Contact and Address Details

**HQ:** 18 Playford Crescent, Salisbury North, South Australia 5108

### Storage Facility:

368-378 Diment Rd, Burton, South Australia, 5110

P: (08) 8258 1777

[www.trymossengineering.com.au](http://www.trymossengineering.com.au)

## Chief Executive Office

Stephen Moss

[stephen@trymossengineering.com.au](mailto:stephen@trymossengineering.com.au)



# Walter Breunig Intelligent Platforms

## COMPANY / CAPABILITY

Walter Breunig Intelligent Platforms "WBIP" partners with leading international companies. Together we support Australian Defence Organisations to build and maintain Real Time and Embedded Computing Systems based on open technology standards. Our COTS (Commercial-Off-The-Shelf) rugged Computing Platforms are used as backbones for deployed Air, Sea and Land Systems.

These Computing Platforms help our Customers to

- integrate their own IP into proven COTS hardware and software.
- build deployed systems for difficult environments contaminated by e.g. shock, vibration, extreme temperatures, humidity.
- insert new functionality into existing deployed systems.
- manage system life cycles over 10-20 years, sometimes more.



## CONTACT

Walter Breunig

+61 (0)8 8278 9140  
[Walter@wb-ip.com.au](mailto:Walter@wb-ip.com.au)  
[www.wb-ip.com.au](http://www.wb-ip.com.au)

ABN: 17 818 699 528

## CAPABILITY OVERVIEW

- Distribution of COTS and MOTS Computing Products for deployed military and rugged Systems.
- Consultation in COTS Platform selection.
- Sourcing of difficult-to-get COTS products.

## COMPETITIVE DISCRIMINATORS

- 20+ years experience with Commercial-Off-The-Shelf (COTS) and Military-Off-The-Shelf (MOTS) open standards.
- 20+ years experience with defence suppliers and capabilities.

## PARTNERS

WBIP operates as authorised distributor for

- Abaco Systems [www.abaco.com](http://www.abaco.com)
- Elma Electronic [www.elma.com](http://www.elma.com)
- Eizo Rugged Systems [www.eizorugged.com](http://www.eizorugged.com)
- Ampex Data Systems [www.ampex.com](http://www.ampex.com)
- Vision4CE [www.vision4ce.com](http://www.vision4ce.com)

## CUSTOMERS (details on request)

- Australian Dept. of Defence
- NZ Dept. of Defence
- Australian Primes and 2<sup>nd</sup> tier Defence Organisations
- Universities
- Customers in other Industries

## CERTIFICATIONS / ACCREDITATIONS

- Approved Supplier to Defence Primes
- Approved Supplier to Dept. of Defence
- Approved Supplier to NZ Dept. of Defence
- Operating to ISO9001



**Williams Metal Fabrications has worked in the metal fabrication industry since 1998.**

Long-standing clients include some of South Australia's largest mining, marine, civil and construction companies, and we've worked on many of the region's largest infrastructure projects. Our comprehensive turn-key solutions include design, 3D site scanning and point cloud, steel detailing, fabrication and protective treatment all the way through to installation, onsite labour hire, maintenance, and even boat and crane truck hire.

**Services + Capabilities**

- Adelaide metal fabrication workshop with a manufacturing area of greater than 2,000m<sup>2</sup> and a large lay-down area
- On-site welding and metal repairs, both on land and on water
- Bespoke metal fabrication for the maritime, infrastructure and medical industry sectors
- Erection and repair of existing infrastructure and plant
- Design, 3D site scanning and steel detailing
- Surface treatment
- Onsite labour hire, commercial vessel and mobile crane hire
- Project management and maintenance

**Key Discriminators**

- 100% Australian owned and operated, operating in SA, NT and WA
- Part of a comprehensive supply chain with export capabilities
- Not just a metal fabrication company, we also offer design and installation as well as labour, boat and crane hire
- On-site welding, repairs and maintenance are carried out on both land and water (with our 6.2m commercial work vessel and certified coxswains) and our mobile crane solution is beneficial where access and unloading is difficult
- Design and fabrication of any metal structures and components required
- Fully Integrated Management System, Construction Category 3 and one of only a handful of SA companies with ISO 3834-2 (currently undergoing DIN 2303 certification)



**Key Partners**



**Key Customers**



**Australian and International Standards + Certifications**



Stuart Rogers, General Manager | (08) 8287 6489 | srogers@williamsmetalfabrications.com.au  
181 Philip Highway, Elizabeth South, South Australia 5112

[williamsmetalfabrications.com.au](http://williamsmetalfabrications.com.au)



**Enhancing Defence capability and operational readiness by protecting assets from corrosion, weather and the environment**

X-Rust is 100% Australian owned

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W: [www.xrustindustrial.com.au](http://www.xrustindustrial.com.au)

ABN: 42 353 579 458



**Capabilities**

- Design of complex packaging solutions to extend working life, reduce sustainment costs, improve battle readiness and enhance capability
- Packaging to protect against corrosion, theft, storm damage and shock
- Specify, source, supply, pack, review, sustain and measure the performance of long term preservation packages



**Discriminators**

- Subject matter expert in corrosion protection solutions with over 20 years experience
- Trackable packaging using the internet of things
- R&D laboratory complies to NACE TM0208
- World leading innovative materials with materials science technology applied to bring new products to market

**Certifications**

- DEF (AUST) 1000C packaging
- ISO 9001/ISO 14001
- MIL PRF 131K Type 1 Class 1

**Projects**

- Protection of gun bolts – VCI plastic
- Protection of electrical assets – VCI capsule
- Long term protection of voids – VCI fogging

**Partners**



**Customers**



# BUILDING CAPABILITY AND PERFORMANCE

South Australia's largest locally owned accounting and advisory firm – William Buck – proudly supports businesses and service providers in the defence sector.

William Buck's scale and expertise can help design, develop, implement and optimise your business processes so your business can maximise its production output, employee efficiency and gross margins, while reducing commercial risk, building capability and improving overall financial performance.

For a fresh approach to your business performance or personal wealth, contact Business Advisory Director, **Lee Fuller**.



**GET IN TOUCH**

lee.fuller@williambuck.com  
08 8409 4333  
Level 6, 211 Victoria Square Adelaide SA 5000

**HOW WE CAN HELP**

- Strategic and succession planning
- Merger and acquisitions
- Financial analysis and board reporting
- Due diligence
- Local branch establishment
- Bank finance
- Tender and contract costing
- Grant application assistance
- Wealth creation
- Budgeting and forecasting



## Notes

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**Defence Teaming Centre**  
Connecting • Developing • Advocating

[dtc.org.au](http://dtc.org.au)



Government of  
South Australia

**DEFENCE SA**

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