Chair's Foreword

Victoria has a long and proud history of over 150 years as a critical part of the national naval shipbuilding industry with a proven record of success in delivering major naval shipbuilding projects and the repair of naval ships. An important element of that success has been the strong capabilities of the small to medium-sized enterprises that participate in the supply chains that support naval shipbuilding in this State.

My personal connection with Victoria’s maritime industry comes from my role in industry and my role as the Chair of the Victorian Defence Alliance - Maritime. I also have a further connection through my ancestor, William Wardell, who designed the Alfred Graving Dock built at the Williamstown shipyard in the 1870s.

The Victorian Defence Alliance - Maritime was formed by the Australian Industry & Defence Network – Victoria. Membership is open to all naval shipbuilding companies operating in Victoria with the potential to supply into the naval shipbuilding and repair supply chain.

The Alliance was established to support industry in Victoria to win work in domestic and international naval shipbuilding and repair supply chains. It presents a single point of focus for the naval shipbuilding and repair industry in Victoria and supports industry through advocacy and the provision of opportunities for networking, collaboration and mentoring. Importantly, the Alliance provides streamlined and effective arrangements for connecting Alliance members with industry primes and key Government stakeholders.

The participation of many leading companies in the Alliance is testimony to the depth and diversity of the naval shipbuilding industry in Victoria. This directory presents the capabilities of the Victorian supply chain and I thank the Victorian Government for their support in its production.

I invite all those seeking proven and trusted supply chain partners for naval shipbuilding and sustainment work to consider the capabilities of the companies presented in this directory.

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Mission Statement

To be the catalyst through advocacy, networking, collaboration and mentoring to enable Victoria’s maritime industry to bid for work in national and international naval shipbuilding supply chains.
Australian Industry & Defence Network – Victoria (AIDN-Vic)

Champion the cause of SMEs in Victoria's Defence industry
The Australian Industry & Defence Network – Victoria (AIDN-Vic) facilitates interaction and communication within Victoria's dynamic base of smaller defence supply companies, assisting members to exploit the opportunities provided by the Australian and international Defence markets.

Victorian Defence Alliances
AIDN-Vic, in partnership with the Victorian Government, has established a number of Victorian Defence Alliances including one for the maritime sector (VDA-Maritime). The Alliances act as a catalyst through advocacy, networking, collaboration and mentoring to assist member companies to bid for work in national and international defence industry supply chains.

Defence Market Intelligence and Networking
AIDN-Vic helps its members’ network with other defence industry suppliers and provides connections with Defence and defence industry prime companies. AIDN-Vic organises networking events, seminars, trade missions and a range of other industry support initiatives.

Communication link between Industry and Government
AIDN-Vic represents the interests of its members by providing a communication link between those members and State and Commonwealth Government Departments. These include the Department of Defence (Capability, Acquisition and Sustainment Group), the Commonwealth Department of Industry, Innovation and Science and the Victorian Government Department of Economic Development, Jobs, Transport and Resources. AIDN-Vic also represents its members through advocacy on matters that shape defence industry policy.

National Organisation
AIDN-Vic, with over 250 member companies, is part of the AIDN National Organisation which includes State and Territory Chapters with a combined membership of 800+ companies.
Victorian Government’s Active Support

The Victorian Government values the contribution the defence business makes to the Victorian economy and the role industry plays in delivering competitive capabilities to the ADF and global supply chains.

The Victorian Government’s vision is for an innovative, globally competitive, highly skilled and adaptive defence industry that enhances its position at the leading edge of providers serving the ADF and global supply chains. The Victorian Government actively supports the state’s defence industry through:

- targeted investment advocacy, promoting Victoria as a competitive location for major defence prime contractors and projects
- facilitation of global collaboration by linking Victorian industry into international defence supply chains
- promotion of Victorian industry capabilities within domestic and international defence trade shows and missions
- provision of information to industry on defence market opportunities and procurement processes
- encouraging R&D through support for innovation and facilitation of infrastructure and new technologies
- developing a highly skilled workforce
- facilitating effective stakeholder engagement across the Victorian defence industry to develop teams of SMEs with the capacity and agility to target defence market opportunities
- industry support to help companies improve productivity and competitiveness in global markets

A key part of our commitment to the state’s defence industry is the vital strategic guidance and advocacy provided by the Government-appointed Defence Council Victoria. The Council plays an important role advising on defence industry issues and is a great asset for both the Government and industry for identifying and capitalising on opportunities for defence businesses.

The Victorian Government, through the Department of Economic Development, Jobs, Transport and Resources (DEDJTR), will continue to work closely with the Commonwealth Department of Defence and the defence industry to identify and support strategic industry capability requirements, including domestic and international maritime projects.
Victoria is a major centre for the national maritime industry supporting the construction, upgrade and sustainment of naval vessels for the Royal Australian Navy and regional customers. The State’s capability has historically been based around the Williamstown shipyard, which has been recognised as a critical and successful centre for building surface warships for around 150 years.

This success has been dependent on the strength of the many Victorian small to medium enterprises that have formed the strong and highly capable supply chain supporting the naval shipbuilding industry here in Victoria and in the national and international market. These companies have demonstrated their ability to meet the needs of industry and to be trusted supply chain partners. They are now well positioned to support future opportunities for the construction and sustainment of naval warships to meet the needs of the Royal Australian Navy.

The capabilities and credentials of companies that help form Victoria’s highly respected and competent naval ship building industry are identified in this Directory against the following broad capability areas:

- Design
- Electrical & Electronics
- Engines & Propulsion
- ICT & Software
- Manufacturing & Fabrication
- Materials Technology
- Professional Services
- Research & Development
- Systems Integration
- Through Life Support
Australia’s newest military capability, the Amphibious Ready Element (ARE) trained in the waters off Far North Queensland from August to October 2015. The Townsville based 2nd Battalion Royal Australian Regiment (2 RAR from the 3rd Combat Brigade) with MRH-90 helicopters from the 5th Aviation Regiment and 808 Squadron, have combined with the Navy’s Victorian built HMAS Canberra and Royal Australian Air Force assets to focus on the planning, conduct and certification of amphibious operations.
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### Able Industries Engineering


*Brian Lawry*
Business Development Manager
Able Industries Engineering Pty Ltd
5 Sutton St, South Kingsville VIC 3015
Tel: +61 3 9391 1522
Email: blawry@ableind.com.au

**CAPABILITIES**
- Project Management, Design and FEA Analysis
- 8 Axis Robotic / Specialist Welding / Precision Spot Welding (Mil Spec)
- Specialised Precision Fabrication, Assembly and Integration
- 2D/3D CAD/CAM Facilities

**DISCRIMINATORS**
- Over 40 years proven defence capability
- Expert Project Management team with masters level capability
- System Engineering Capabilities
- Certified welders / specialist welding
- Proven Supply Chain Management / ERP System
- Mature Integrated Quality Management System (QMS)
- Responsiveness to changing and emerging requirements
- Can do attitude

**KEY PARTNERS**
- Kewder Engineering (CNC Machining)
- PPG Paints

**MARITIME CAPABILITY AREAS**

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<td>Through Life Support</td>
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**QUALITY APPROVALS & AWARDS**
- Defence Recognised Supplier

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### Accurate Profile


*Michael Rodriguez*
Business Development Manager
Accurate Profile Roll Forming Pty Ltd
5-12 Summer Lane Ringwood VIC 3134
Tel: +61 3 9879 1900
Email: michael@accurateprofile.com.au

**CAPABILITIES**
- Metal Tube Bending
- Robotic Welding
- Metal Fabrication
- Metal Roll Forming

**DISCRIMINATORS**
- Automation
- Quality - Zero Defects 5+ Years
- Automotive Background and Supply

**KEY PARTNERS**
- BlueScope Steel
- Dracoon Steel
- Fagersta Steels

**MARITIME CAPABILITY AREAS**

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**QUALITY APPROVALS & AWARDS**
- General Motors Holden
- Toyota
- Ford Motor Company
- Volgren Bus Manufacturers

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### MARITIME CAPABILITY AREAS

- Design
- Manufacturing & Fabrication
- Materials Technology
- Research & Development
- Systems Integration
- Through Life Support

---

### QUALITY APPROVALS & AWARDS

- TS16949 (Incorporating ISO 9001)
- TS14001 Environment
- GM Supplier Quality Excellence Award 2013 & 2014
### Actco-Pickering Metal Industries

**www.apmi.com.au**  
Greg Pickering  
Director  
Actco Pickering Metal Industries Pty Ltd  
28-30 Quality Drive, Dandenong VIC 3175  
Tel: +61 3 8791 7555  
Email: gregpickering@apmi.com.au

**CAPABILITIES**  
- Specialist welding workforce, with welding design capacity  
  Welding multi steel types e.g. SS aluminium across all metal gauges  
- Skilled engineers and industrial designers, 3D design and modelling  
- CNC: Laser cutting, brake press, milling and advanced spot welding

**DISCRIMINATORS**  
- Proven track record of supply of complex components across many industrial sectors  
- Over 20 years experience in supply to the defence industry  
- Highly experienced welding team qualified to Australian and European standards  
- Successful formation of supply clusters to Tier one companies

**KEY CUSTOMERS**  
- IDES (Varley)  
- CSA Vertikote  
- Bluescope  
- Bulk Transport Australia

**QUALITY APPROVALS & AWARDS**  
- ISO 9001-2008  
- Apprentice of the year - Chisholm 2014  
- Procedural Welding to AS 1554 & ISO 15701  
- Regional Business Awards Nomination

---

### Advanced Composite Structures Australia

**www.acs-aus.com**  
Andre Duarte  
Business Development Manager  
Advanced Composite Structures Australia Pty Ltd  
1/320 Lorimer Street, Port Melbourne VIC 3207  
Tel: +61 3 9676 4951  
Email: a.duarte@acs-aus.com

**CAPABILITIES**  
- Lightweight Composites Design, Analysis and Optimisation  
  Crashworthiness and Impact Simulation  
- Novel Composite Materials and Manufacturing Technology Development  
- Fire protection technology and simulation  
- Testing and Certification

**DISCRIMINATORS**  
- Expert knowledge in the design, manufacture and maintenance of composite materials  
- More than 20 years of experience in defence related composites technology development and implementation  
- Patented materials and manufacturing technologies available for commercialisation  
- An interdisciplinary, integrated and flexible design and manufacturing team

**KEY CUSTOMERS**  
- aadi Defence  
- CSIRO Manufacturing Flagship  
- Braendler Engineering/Pacific ESI

**QUALITY APPROVALS & AWARDS**  
- ISO 9601-JEC Asia Innovation Award Winner 2015  
- JEC Paris Innovation Award Winner 2014  
- CRC Association Star Award 2013

---

### ACTCO Pickering Metal Industries

**www.apmi.com.au**  
Greg Pickering  
Director  
Actco Pickering Metal Industries Pty Ltd  
28-30 Quality Drive, Dandenong VIC 3175  
Tel: +61 3 8791 7555  
Email: gregpickering@apmi.com.au

**CAPABILITIES**  
- Team of highly trained coach builder assemblers  
- Highly experienced Project Management team  
- Advanced jigging design across many industrial sectors e.g. defence and rail  
- Complex prototyping with design support

**DISCRIMINATORS**  
- Project management to extremely tight time lines of high quality supply requirements  
- Successful change management from jobbing shop to combination of own products and contract manufacturing  
- Secure financial business, with an concentration on upskilling, coupled with an outstanding safety culture.  
- 100% Australian Owned

**KEY CUSTOMERS**  
- IDES (Varley)  
- Cablex  
- Bombardier  
- Alstom

**QUALITY APPROVALS & AWARDS**  
- ISO 9601-2008  
- Apprentice of the year - Chisholm 2014  
- Procedural Welding to AS 1554 & ISO 15701  
- Regional Business Awards Nomination

---

### Advanced Composite Structures Australia

**www.acs-aus.com**  
Andre Duarte  
Business Development Manager  
Advanced Composite Structures Australia Pty Ltd  
1/320 Lorimer Street, Port Melbourne VIC 3207  
Tel: +61 3 9676 4951  
Email: a.duarte@acs-aus.com

**CAPABILITIES**  
- Prototyping and Technology Implementation  
- Composite and Metal Repair Technologies  
- Composite and Metal Inspection and Structural Health Monitoring

**DISCRIMINATORS**  
- Globally recognised and awarded organisation  
- Experience in diverse markets including aerospace, defence, automotive, ground transport, oil and gas  
- Experience with ITAR related projects  
- Personnel with current Australian security clearance

**KEY CUSTOMERS**  
- Department of Defence  
- EADS / Airbus Group  
- Thales  
- Cassidian

**QUALITY APPROVALS & AWARDS**  
- ISO 9601-JEC Asia Innovation Award Winner 2015  
- JEC Paris Innovation Award Winner 2014  
- CRC Association Star Award 2013
ALBINS PERFORMANCE TRANSMISSIONS PTY LTD
www.albins.com.au
Stephen Macdonald
CEO
Albins Performance Transmissions Pty Ltd
24 Wiltshire Lane, Delacombe, VIC 3356
Tel: +61 3 5335 8022
Email: stevem@albins.com.au

CAPABILITIES
- Manufacture of cylindrical Helical and Spur gears up to 380mm diameter
- Precision profile grinding of helical and spur gears up to 380mm diameter
- Manufacture of spiral bevel and hypoid gears
- Precision CNC turning, milling and grinding

DISCRIMINATORS
- We have the capability to take power train concept and turn it into reality, through every stage.
- By producing a unique solution we can assist the customer to produce a product with superior capability.
- We are able to assist with the production of low volume niche components and assemblies

KEY PARTNERS
- Ace Metal Treatment Service (Heat Treatment)
- Interility (Metal suppliers)
- Timken (Bearings)
- Hasco Foundry (castings)

QUALITY APPROVALS & AWARDS
- ISO 9001:2008
- Victorian Manufacturing Hall of Fame

ALFONS HAAR
www.alfons-haar.com.au
Ivan Lawrie
Director
Haar Australia Pty Ltd
3/1 Law Court Sunshine West, VIC 3020
Tel: +61 3 9311 6904
Email: admin@alfons-haar.com.au

CAPABILITIES
- Global leaders in design and construction of onboard helicopter refuelling systems
- Standard design refuelling systems for ship to ship, ship to shore and ship to helicopter fuelling applications
- In-flight refuelling equipment specialists
- Decades of helicopter fuelling systems experience

DISCRIMINATORS
- Specialised refuelling business since 1949
- Focus on system design with smallest footprint of any refuelling system available
- Unique intrinsically safe communications bus system for simplified electrical system and Modbus integration
- Over 4300 NSN coded items of fuel handling equipment in the range
- Thousands of fuelling systems in use by military forces worldwide

KEY CUSTOMERS
- Parent company Alfons Haar Maschinenbau

KEY PARTNERS
- Australian Department of Defence
- Royal New Zealand Defence Force
- Navy and other military customers globally
- Oil companies & in-plane providers globally

QUALITY APPROVALS & AWARDS
- Alfons Haar are ISO9001 certified
- ATEX, ADR, GL, IMDG, JIG, OILM, STANAG
- Lloyd’s Register Germanischer Lloyd

MARITIME CAPABILITY AREAS

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MARITIME CAPABILITY AREAS

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ALLIED TECHNOLOGY INTERNATIONAL
www.alliedtechint.com.au
Mark Lingeman
Director Business Development
Allied Technology International Pty Ltd
4 Netherlee Street, Glen Iris VIC 3146
Tel: +61 3 9509 1422
Email: info@alliedtechint.com.au

CAPABILITIES
- Michell Bearings main propulsion bearing on Collins & Anzac vessels
- ISP/Typhoon Once Only Survival Suits on RN, RNZN Ships
- Typhoon Dry suits,dive &coxswain suits in service with ADF SF.
- 60% of NATO Dry/Immersion Suits are provided by Typhoon
- Vitavox Communication equipment, blast, shock, water proof headsets

DISCRIMINATORS
- Michell Bearings main prop bearings on RAN, RN, French, Spanish & most NATO Vessels & Submarines
- main Propulsion Bearings Italian, Swedish, Dutch & Japanese Submarines
- Michell Bearings main propulsion bearings in service on FFG, Anzac & Collins
- Vitavox Speakers & microphones communication equipment on most RAN warships

KEY PARTNERS
- Michell bearings, Typhoon, Secomak Vitavox.
- First Spear, Thermoteknik, Jered LLC
- exclusive agencies for Australia & New NZ
- ATI is a 100% Australian Company.

MARITIME CAPABILITY AREAS
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QUALITY APPROVALS & AWARDS
- All our principals are accredited to ISO9001
- Granted “Recognized Defense Supplier” in 2006

AMAERO ENGINEERING P/L
www.amaero.com.au
Ben Batagol
Business Development Manager
AMAero Engineering Pty Ltd
13 Normanby Rd, Notting Hill VIC 3168
Tel: +61 3 9905 3895
Email: bdm@amaero.com.au

CAPABILITIES
- Specialized 3D printing workforce
- Additive Manufacturing
- 3D Printing in Metals (SLM)
- Materials Development
- Specialized Part Repair
- Hot Isostatic Pressing
- Blown Powder Deposition

DISCRIMINATORS
- Proven Aerospace track record
- Concept XLine, The largest build volume in the world currently
- Leading Researcher in Additive Manufacturing
- Full 3D Printing capability in house for design, prototyping and production
- Repair of large, complex components by laser-melted metal deposition

KEY CUSTOMERS
- Safran Group
- Monash University
- Concept Laser

MARITIME CAPABILITY AREAS
- Marine Engines & Propulsion
- Materials Technology
- Research & Development
- Through Life Support

QUALITY APPROVALS & AWARDS
- ISO9001
- 2014 Safran Award for Global Innovation
AME SYSTEMS (VIC) PTY LTD
www.amesystems.com.au
Adam Burger
Sales Manager
AME Systems (VIC) Pty Ltd
18 Gordon St, Ararat, VIC 3377
Tel: +61 3 5352 9000
Email: adamb@amesystems.com.au

CAPABILITIES
• Design and manufacture of quality electrical wiring harnesses
• Assembly of dashboards and electrical control boxes
• Supply harnesses from a single circuit to a complete vehicle electrical system
• Manufacture to IPCWHMA-620 and military specifications

DISCRIMINATORS
• 30+ years experience in wire harness manufacture
• Experience in designing complete vehicle electrical systems
• Rapid prototype capability
• Lean manufacturer

KEY CUSTOMERS
• Thales, Supacat, CASG
• Caterpillar, Alstom
• Kenworth Trucks
• Mahindra Aerospace

QUALITY APPROVALS & AWARDS
• ISO9001:2008 certified
• Manufacturing Hall of Fame inductee

AMS IMAGING
www.ams-imaging.com.au
David Western
Manager
Kenmore Quest Pty Ltd
230 Bank St, South Melbourne VIC 3205
Tel: +61 3 9690 6800
Email: davidw@ams-imaging.com.au

CAPABILITIES
• Document Management Software that is VERS Compliant and can be housed, hosted or hybrid
• Capture of Large format drawings in colour or black and white
• Secure Cloud Hosting of documents and electronic files.
• Capture of Microfilm, Aperture Cards, Microfiche

DISCRIMINATORS
• Established in 1971 and based in South Melbourne
• ISO 9001 certified
• Necessary clearances for handling items with issues of sensitivity, privacy and security
• On-site fire rated walk-in vault and additional safe storage for holding documents

KEY CUSTOMERS
• ELO Digital Australia
• Toshiba Australia
• Kodak Alaris

QUALITY APPROVALS & AWARDS
• ISO 9001:2008 License QEC20796
APPLIED CCM
www.appliedccm.com.au
Dr Darrin Stephens
Director
Applied CCM Pty Ltd
72 Boyd Street, Dandenong North, VIC 3175
Tel: +61 3 8376 6982
Email: info@appliedccm.com.au

CAPABILITIES
• Computational Fluid Dynamics
• Mesh generation software
• Overset hole cutting software

DISCRIMINATORS
• Australian security cleared staff
• Proven record of supply to defence
• Best in class CFD mesh generation
• Open source CFD solvers
• Best in class overset software
• In depth technical expertise

KEY CUSTOMERS
• DST Group
• CSIRO
• Australian Maritime College

KEY PARTNERS
• Pointwise Inc
• Celeritas Simulation Technology LLC

MARITIME CAPABILITY AREAS

ICT & Software
Professional Services
Research & Development

APPLIED FASTENERS AND TOOLING
www.appliedfastenersandtooling.com
Colin Campbell
National Manager
Applied Fasteners and Tooling Pty Ltd
2607/100 Harbour Esplanade, Docklands VIC 3008
Tel: +61 3 9939 8979
Email: colin@appliedfastenersandtooling.com

CAPABILITIES
• Specialised fastening systems and assembly tooling
• Structural bonded fasteners and tooling
• Threaded fasteners/inserts
• Blind fasteners and tooling
• Specialised cutting tools
• Temporary fasteners
• Quick release pins and lanyards
• Technical support and training

DISCRIMINATORS
• Defence programs are our core business
• Our customers see us as a trusted source of information and support not typically offered by local distributors
• Through extensive consultation, customers have access to our vast assembly application experience
• We understand the relationship between design, procurement, production and maintenance/repair
• We offer technical support throughout the product life cycle
• Certified in product training
• We offer multiple solutions to maximise design options in addition to increasing assembly efficiency and safety

KEY CUSTOMERS
• Boeing
• Marand
• Supacat
• Trakka

KEY PARTNERS
• Click Bond, USA
• Cherry, USA
• Avibank, USA
• Zephyr Tool, USA

MARITIME CAPABILITY AREAS

Design
Electrical & Electronics
Manufacturing & Fabrication
Materials Technology
Research & Development
Systems Integration
Through Life Support

QUALITY APPROVALS & AWARDS
• AS9120A
• LMA-PK004
• Department of Defence Cage Code Z0TF6
• Factory approval for key USA manufacturers
ATLAS TOOLING PTY LTD
www.atlastooling.com.au

Gopi Kalapara
Managing Director
Atlas Tooling Pty Ltd
9, Capital Court, Braeside, VIC 3195
Tel: +61 3 9587 2222
Email: sales@atlastooling.com.au

CAPABILITIES
• Design, development and feasibility analysis for injection moulds, press tools, jigs and fixtures, extrusion dies
• Large capacity machining with job sizes up to 3.2m x 2.3m x 1m high
• Fabrication, custom machining and contract manufacturing CNC Lathe
• Wire cutting and EDM services

DISCRIMINATORS
• Diverse range of customers and skilled team has given Atlas Tooling its reputation in Australian manufacturing
• Complete project management service from design, manufacturing and trialling of product
• Maximize productivity with most up to date CAD packages including unigraphics, Mastercam, Surfcam
• Contract Project management services delivering high quality moulds, dies, jigs and fixtures

KEY CUSTOMERS
• Iscar Australia
• Schmolz Bickenbach
• Bohlar Uddeholm
• Siemens PLM

QUALITY APPROVALS & AWARDS
• In process for ISO 9001

KEY PARTNERS
• Iscar Australia
• Schmolz Bickenbach
• Bohlar Uddeholm
• Siemens PLM

MARITIME CAPABILITY AREAS

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Gopi Kalapara
Managing Director
Atlas Tooling Pty Ltd
9,Capital Court,Braeside,VIC 3195
+61 3 9587 2222
sales@atlastooling.com.au

ATLAS TOOLING PTY LTD
www.atlastooling.com.au
**ATTAR**

**www.atar.com.au**

Angelos Spathis  
Business Development Manager  
Engineering Materials Evaluation Pty Ltd  
Unit 1, 64 Bridge Road Keysborough VIC 3173  
Tel: +61 3 9574 6144  
Email: AngelosSpathis@atar.com.au

**CAPABILITIES**
- Experienced engineers providing independent and expert advice in Materials evaluation and Mechanical testing
- Forensic failure analysis (includes determining root cause, life cycle and compliance assessment)
- Speciality testing in Acoustic Emission Monitoring of vessels and structures

**DISCRIMINATORS**
- ATTAR is committed to the highest standard of service delivery and customer satisfaction
- Australian owned with over 30 years experience
- Advance non-destructive testing techniques
- Consulting engineers specialising in materials evaluation and mechanical testing
- Registered Training Organisation (RTO) and Authorised Qualifying Body (AQ) for Non-Destructive Testing

**KEY CUSTOMERS**
- Infracorr Consulting Pty Ltd

**QUALITY APPROVALS & AWARDS**
- NATA accredited to ISO 17025
- Registered Training Organisation (RTO)
- Authorised Qualifying Body (AQ) AINDT & BINDT

---

**AUSTRALIAN PRECISION TECHNOLOGIES PTY LTD**

**www.aptengineering.com**

Adam Sutton  
Business Development  
Australian Precision Technologies Pty Ltd  
26 - 28 Intrepid Street, Berwick VIC 3806  
Tel: +61 3 9768 9400  
Email: adam.s@aptengineering.com

**CAPABILITIES**
- CNC turning and machining
- Multi-tasking 5 axis machining
- Assemblies & instruments supply programs
- Quality controlled production
- Digital communication
- Project management
- Part marking and identification
- Low to high production volumes including prototype

**DISCRIMINATORS**
- Total management of manufacturing solutions
- Full turnkey solutions
- Full traceability and quality assurance
- Highly qualified workforce
- Current machining technology implemented
- Committed on time delivery
- Lean manufacturing systems
- Quick turnaround lead times

**KEY CUSTOMERS**
- Okuma Australia & DMG Mori Seiki
- ThessalonKrupp
- APMGroup

**QUALITY APPROVALS & AWARDS**
- IAS/NZS ISO9001:2008 & BSI
- AS9100 in progress

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### MARITIME CAPABILITY AREAS

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### QUALITY APPROVALS & AWARDS
- NATA accredited to ISO 17025
- Registered Training Organisation (RTO)
- Authorised Qualifying Body (AQ) AINDT & BINDT

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### MARITIME CAPABILITY AREAS

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**AVIAQUIP PTY LTD**

**www.aviaquip.com.au**

Rob Crossland  
General Manager  
Aviaquip Pty Ltd  
11 Peninsula Blvd, Seaford VIC 3198  
Tel: +61 3 8773 7544  
Email: sales@aviaquip.com.au

**CAPABILITIES**
- Stocking Distributor - Carr-Lane Mfg Inc - Ball Lock Pins , Bushes , Hold-down Clamps , Inserts , Jig Fixtures.
- Stocking Distributor - The Lee Company - Precision Micro Hydraulics.
- Agent for Soucy Defense - Rubber Track Technology.
- Importer / Stockist - Mil Standard Fasteners & Hardware.

**DISCRIMINATORS**
- Established in 1985
- Full Stock Traceability
- Qualified Supplier to most Local Manufacturers
- Fully Australian Owned

**KEY PARTNERS**
- Carr-Lane Mfg Co
- The Lee Company Inc
- Soucy Defense

**QUALITY APPROVALS & AWARDS**
- ISO9001:2008 No C29989
- Eco Warranty 2010 No C29990
- CASA Approval No 1297

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**A.W.BELL PTY LTD**

**www.awbell.com.au**

Jason Barkla  
Business Development Manager  
A.W.Bell Pty Ltd  
145 Abbotts Road, Dandenong South VIC 3175  
Tel: +61 3 8773 7544  
Email: jason@awbell.com.au

**CAPABILITIES**
- Manufacture of complex metal components and assemblies with high mechanical properties for Defence applications
- Investment and sand casting
- Rapid prototyping into metal
- Production machining and assembly
- Assembly and certification
- Steel grades including high-strength low-alloy, stainless, duplex stainless, cryogenic and others
- Aluminium, nickel aluminium bronze, cast irons and other ferrous and non-ferrous grades
- Size envelope to 600 X 600 X 700mm approx

**DISCRIMINATORS**
- Aluminium Billet Equivalent (ABE) casting process, ultra high strength aluminium investment castings
- Rapid prototyping into metal for all grades allowing proof of concept, testing, or low volume production runs
- Strong experience in duplex and general stainless steels
- Manufacture of high-quality nickel alloy bronze products
- In-house production machining, finished parts and assemblies, including NDT certification
- Established world class defence and aerospace supplier
- Global exporter with customers in Europe, North America and Asia
- Current supplier to Collins Submarine and F35 Joint Strike Fighter programmes

**KEY CUSTOMERS**
- ASC - Collins sustainment for engine and pumps
- BAe Systems - Sea Sparrow, Nulka and F35
- Northrop Grumman - F35 EODAS sub-assemblies
- Marand - F135 engine change trailer

**QUALITY APPROVALS & AWARDS**
- AS9100C, SAI Global
- ISO9001:2008, SAI Global
- ISO14001:2004, SAI Global
- 2013 Vic. Manufacturer of the year - Medium

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**MARITIME CAPABILITY AREAS**

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BAE SYSTEMS
www.baesystems.com/australia
Marcos Alfonso
Project Director
BAE Systems Australia Defence Pty Limited
Nelson House Nelson Pl, Williamstown VIC 3016
Tel: +61 3 9334 8217
Email: marcos.alfonso@baesystems.com

BALMORAL HILL PTY LTD
Raphael M. Dua
CEO & Owner
Balmoral Hill Pty Ltd
11 Henry St, Traralgon VIC 3844
Tel: +61 (0)418 531 111
Email: raf@balmoralhill.com.au

CAPABILITIES
- Turnkey fabrication and waterfront load out of high quality Maritime Defence modules
- Complete detail and production engineering of modules to suit our facility
- Fabrication of high quality marine pipework up to 200m per week capacity all material types
- Waterfront barge ramp capable of launching complete vessels or sections

QUALITY APPROVALS & AWARDS
- ISO 9001 Design, manuf, modules, loadout other
- Safety AS 4801
- Environment ISO 14001

DISCRIMINATORS
- 20,000m² undercover facility with waterfront load out facility suitable for delivery and receipt of modules
- 2x temperature controlled blast and paint chambers capable of painting full beam modules

KEY CUSTOMERS
- Parent Company BAE Systems Plc
- Saab Systems major partner defence maritime
- Naval Ship Management defence TLS sector
- Eptec

KEY PARTNERS
- BAE Systems Australia Defence Pty Limited
- Nelson House Nelson Pl, Williamstown VIC 3016
- Tel: +61 3 9334 8217
- Email: marcos.alfonso@baesystems.com

MARITIME CAPABILITY AREAS
- Design
- Electrical & Electronics
- Engines & Propulsion
- Manufacturing & Fabrication
- Professional Services
- Systems Integration
- Through Life Support

BAE SYSTEMS
www.baesystems.com/australia
Marcos Alfonso
Project Director
BAE Systems Australia Defence Pty Limited
Nelson House Nelson Pl, Williamstown VIC 3016
Tel: +61 3 9334 8217
Email: marcos.alfonso@baesystems.com

BALMORAL HILL PTY LTD
Raphael M. Dua
CEO & Owner
Balmoral Hill Pty Ltd
11 Henry St, Traralgon VIC 3844
Tel: +61 (0)418 531 111
Email: raf@balmoralhill.com.au

CAPABILITIES
- Planning and Scheduling Consulting
- Project Governance and Controls
- Earned Value Performance Management
- Quality Management Implementation and Control
- Project, Programme & Portfolio Management as per ISO21500 Standards

DISCRIMINATORS
- 50 yrs Defence Knowledge and Experience – Lead Planner/ Scheduler for Collins Class Construction
- Lead Planner & Scheduler on ANZAC Ship Project
- Specialist Project Management Software User and Planning Developer
- 50 years of Submarine refits

KEY CUSTOMERS
- Boeing Australia Limited
- Saab Systems major partner defence maritime
- Naval Ship Management defence TLS sector
- Eptec

KEY PARTNERS
- Micro Planning International Pty Ltd
- GBA Projects Pty Ltd
- Vidotto Group
- LBMS Pty Ltd

QUALITY APPROVALS & AWARDS
- ASC Plaque for Planning Effort for Collins
- Certified Professional "UTIL" of ACS

MARITIME CAPABILITY AREAS
- Design
- Electrical & Electronics
- Engines & Propulsion
- Manufacturing & Fabrication
- Professional Services
- Systems Integration
- Through Life Support

MARITIME CAPABILITY AREAS
- Design
- Electrical & Electronics
- Engines & Propulsion
- Manufacturing & Fabrication
- Professional Services
- Systems Integration
- Through Life Support
BAUER ENGINEERING
www.bauereng.com.au
Ken May
Managing Director
Bauer Engineering Pty Ltd
12 Rings Road, Moorabbin VIC 3189
Tel: +61 3 9555 7237
Email: sales@bauereng.com.au

CAPABILITIES
• Engineering Design, Development and Manufacture
• CNC Milling Grade 254SMO
• CNC Turning Grade 254SMO
• Ballistic protection products incorporating advanced material technologies
• Sub Sea Hydraulic Components
• Repairs, replacements and precision assembling.
• Defence coatings and specialist finishes.

DISCRIMINATORS
• An industry leader with more than 25 years of successful experience in manufacturing.
• Skilled resources and extensive engineering capabilities and facilities.
• Quality supplier, committed to delivery to performance.
• Australian owned and operated business established in 1986.

KEY CUSTOMERS
• Australian Defence Force
• Australian Submarine Corporation
• Petrochemical Industry
• Mining Industry

QUALITY APPROvals & AWARDs
• Bauer Engineering Pty Ltd is AS/NSZ
• ISO 9001:2008 Endorsed.

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BEADWINDOW
www.beadwindow.com.au
Chris Walter
Managing Director
Beadwindow Pty Ltd
Level 2, 1 Southbank Boulevard, Southbank VIC 3006
Tel: +61 3 9982 4558
Email: hello@beadwindow.com.au

CAPABILITIES
• Naval and maritime operations advisory
• Above Water Warfare advisory
• Under Water Warfare advisory
• Naval combat system training and documentation
• Naval combat systems engineering
• Defence operations management services
• Defence Industry tender response development

DISCRIMINATORS
• Proven understanding and application of the Detect-to-Engage Sequence gained through direct naval combat
• International expert recognition in above and underwater warfare disciplines
• Proven design, development and delivery of complex naval training courses to international Defence Industry
• Proven design and implementation of operational management systems and provision of support to Defence executives
• Proven Defence capability analysis and development
• Operationally-experienced, tertiary and vocationally-qualified, and commercially astute consultants
• All consultants have Australian security clearances

KEY CUSTOMERS
• Kiah Consulting Pty Ltd
• Acoustic Force Pty Ltd
• MilitaryTech Pty Ltd

QUALITY APPROvals & AWARDs
• Conduct guided by ISO 26000
• Anthill Smart 100 & Cool Company Lists
• Royal Australian Navy Sydney-Emden Prize
• Royal Australian Navy Sword of Excellence
BEAK ENGINEERING

www.beak.net.au

Phillip Shirley

BDM

Beak Engineering (Aust)

7 Walker St, Braeside, VIC 3195

Tel: +61 3 9587 0255

Email: pshirley@beak.net.au

CAPABILITIES

- Marine Aviation Certification and maintenance, R&D on/off site.
- Defence integrated logistics support
- Engineering Analysis, concept & development
- Marine aviation refueling systems and through life support

DISCRIMINATORS

- Beak has provided CoA vast savings through reduced cost of ownership by managing marine aviation systems for ADF
- Beak provide the RAN with rapid response field service teams for URDEFs worldwide
- 100% Aust-owned and run Defence Industry company with proven performance
- Experience on multiple platforms and systems within Defence

KEY CUSTOMERS

- INDAL Technologies
- Mace Engineering
- W R Davis Engineering
- API Nanotronics

QUALITY APPROVALS & AWARDS

- ISO 9001 (2008)
- DRIS

BMT DESIGN & TECHNOLOGY

www.bmtdesigntechnology.com.au

Peter Sanders

Operations Director

BMT Design & Technology Pty Ltd

LS/99 King Street, Melbourne VIC 3000

Tel: +61 3 8620 6180

Email: info@bmttd.com.au

CAPABILITIES

- Naval Architecture: hull form analysis, strength/fatigue assessment, seakeeping analysis & impact/damage stability
- Mechanical Engineering specification, design and analysis including full CFD and FEA
- Systems and safety engineering expertise across the entire development life-cycle from concept to disposal
- Fire engineering and analysis using both qualitative and quantitative risk assessment and management techniques

DISCRIMINATORS

- Truly independent engineering consultancy based in Australia with global reach back to the entire BMT Group
- Trusted long term provider of outcome focused high value engineering and support services
- Recognised as a leading provider of risk and safety engineering services to the Defence Industry
- Expertise provided by extensive team and individual multi-disciplinary engineering capability.

KEY CUSTOMERS

- DMO-MCPSP0, FFHSP0, FFGSP0, AMSPO, NASPO
- Thales
- BAE Systems

QUALITY APPROVALS & AWARDS

- ISO 9001:2008 accredited
- DISP accredited
- Panel Members- CASSS, DSTG, RPDE & SEA 1000
**BULLEX AUSTRALIA**

www.bullex.com.au

Chris Chester  
General Manager  
Digital Safety Pty Ltd  
11 Ryeland Court, North Geelong VIC 3215  
Tel: +61 (0)400 822 271  
Email: cchester@bullex.com.au

---

**CAPABILITIES**

- Supply and design of fire and emergency response (core product and custom build) training infrastructure
- Digital hose line and extinguisher training systems allowing ‘on board’ emergency simulation and response training
- Experienced in-house, training outcome focused, engineering and fabrication capability

- Supplier of innovative ‘smart’ smoke generation equipment and fluid
- National maintenance and service response capacity

**DISCRIMINATORS**

- Proven worldwide capability to deliver projects on time and under budget.
- Patented digital technology allows responders to undergo realistic practical training on board, anywhere, anytime.
- Proven defence force and emergency service supplier across many countries.

**KEY CUSTOMERS**

- US Department of Defence - all branches
- NSW Rural Fire Service
- Country Fire Authority
- Health sector in every state of Australia

**QUALITY APPROVALS & AWARDS**

- ISO 9001:2008 - Cert via Lloyd’s (Haagen)
- NEN 3324 and NEN-EN60204 (Haagen)
- NFPA 1402 - Fire Service Training Centres
- GSA approved supplier for US Dept of Def.

---

**CABLEX PTY LTD**

cablex.com.au

Heidi Krebs  
Director of Business Development  
Cablex Pty Ltd  
236-262 East Boundary, East Bentleigh, VIC 3165  
Tel: +61 3 9575 3088  
Email: heidi.krebs@cablex.com.au

---

**CAPABILITIES**

- Design assistance: parts selection, installation, design, re-design for production
- Manufacturing: custom cables & harness assemblies, 3D Modelling & 3D Design, Soldering to IPC-J-STD
- Auto test solution for Transport, Telecommunications, Aerospace and Defence
- Installation: onsite & offsite, cable routing, termination, upgrades and retrofits

**DISCRIMINATORS**

- Proven end-to-end solutions from design to after market services
- Over 25 years delivery experience
- Highly competitive (low cost manufacturing base)
- Proven low-risk supplier & exporter (long-term agreements with Primes & OEM’s)

**KEY CUSTOMERS**

- Airbus Helicopters
- Northrop Grumman
- A.F.A.C.
- Airbus Military

**QUALITY APPROVALS & AWARDS**

- ISO 9001:2008
- AS9100C - Aerospace Standard
- Defence CAGE Code: Z5453
CAE INTEGRATED ENTERPRISE SOLUTIONS
cae.com
Robert Carpenter
Manager, Business Development
CAE Integrated Enterprise Solutions Australia
Suite 6, 260 Auburn Rd, Hawthorn, VIC 3122
Tel: +61 (0)400 126 343
Email: rob.carpenter@cae.com.au

CAPABILITIES
- Training System Integration
- Training Design and Development
- Naval simulation products
- Simulation development
- Software engineering
- Human factors

DISCRIMINATORS
- Proven record in delivering training solutions
- Defence security program
- Security clearances
- Understand and deliver ITAR solutions
- Simulation support to analysis

KEY PARTNERS
- CAE Inc

KEY CUSTOMERS
- Department of Defence

QUALITY APPROVALS & AWARDS
- ISO 9001

MARITIME CAPABILITY AREAS
ICT & Software  •  •
Professional Services  •  •
Research & Development  •  •
Systems Integration  •  •

CALE INDUSTRIES
www.calbah.com
Vic Nikolsky
General Manager
Calbah Industries
17-29 Arteright Drive, Dandenong Sth VIC 3175
Tel: +61 3 9792 3111
Email: quotes@calbah.com

CAPABILITIES
- Innovative Design & clever Engineering solutions to difficult issues
- 3D modeling and design optimization, FEA, structural computations and verifications
- Specialized Fabrication in carbon steel, stainless steel and aluminium, weld procedures and qualified welders
- Certified to ISO 9001 - Quality, BS OHSAS 18001 - Safety & ISO 14001 - Environment

DISCRIMINATORS
- Innovative design team - we develop effective solutions that work
- Senior Management have Australian security clearances
- Successfully completed high demand complex government projects
- New Factory - 6500m2 floor area, 40t lift capacity cranes

KEY CUSTOMERS
- Calbah Industries - Australian Owned

QUALITY APPROVALS & AWARDS
- Plasma cutting, rolling, Brake press folding, welding TIG, MIG, SAW, Blast cleaning and painting to specification
- Full MDR including ITP’s, shop drawings, material traceability, welding maps and NDT maps
- New purpose built facility 6500m2 floor area in Dandenong South
- Experienced Site installation and commissionning team - trucks, Merlo Telehandeler, Snorkel boom lift, fork lifts,

MARITIME CAPABILITY AREAS
- ISO 9001:2008 Quality systems
- BS OHSAS 18001 Safety systems
- ISO 14001 Environment systems
- Building Innovative Design Award -short listed
CAMBRIDGE TECHNOLOGIES
www.cambridgetechnologies.com
Eliot Ralph
Managing Director
Cambridge Technologies
17/85-91 Keilor Park Dve Tullamarine VIC 3043
Tel:  +61 3 8336 1000
Email: sales@cambridgetechnologies.com

C.E. BARTLETT PTY LTD
www.bartlett.net.au
Matt Brown
Marketing Executive
C.E. Bartlett Pty Ltd
172 Ring Rd, Wendouree, VIC 3355
Tel:  +61 3 5339 3103
Email: info@bartlett.net.au

CAPABILITIES
• Electrical Systems Design
• Electrical component Supply
• Through-life Support

DISCRIMINATORS
• 30 year history in support naval assets
• On shore stock support
• Authorized Distribution

KEY CUSTOMERS
• ASC
• BAE Systems
• Thales
• Raytheon

QUALITY APPROVALS & AWARDS
• ISO 9001: 2008
• AS9120 pending

KEY PARTNERS
• RSCC
• Polamco
• Conesys
• ITT-Canon

CAPABILITIES
• Industrial Textile Manufacturing
• PVC & Polyethylene products
• Canvas Products
• Tents & Tarpaulins
• Storage bags
• Equipment Covers
• Corrosion Protection Covers

DISCRIMINATORS
• Proven supplier of a range of different products to ADF
• Industry Leader and in operation since 1956
• 4 purpose built factories with over 8000sqm of production floor space
• over 20 welders range from hot air, hot wedge, high frequency and thermal band welders
• three computerised cutters and ultrasonic cutter
• more than 30 sewing machines ranging from straight stitching to automated and hemming machines

KEY CUSTOMERS
• Australian Defence Force
• Ethiopia Sugar Corporation
• Graincorp
• Bluescope Water Tanks

QUALITY APPROVALS & AWARDS
• Vic Manufacturing Hall of Fame Inductee
• 05 Overall Ballarat Business Excellence Award
• Multiple Ballarat Business Awards
• Multiple Industry association (STA) awards

MARITIME CAPABILITY AREAS

Design •
Electrical & Electronics •
Manufacturing & Fabrication •
Through Life Support •

MARITIME CAPABILITY AREAS

Manufacturing & Fabrication •

MARITIME CAPABILITY AREAS

Manufacturing & Fabrication •
CAPABILITIES
- High Performance & Precision Components for manufacture maintenance & repair of land, sea, air & space vehicles.
- Supplier of high performance & high precision mechanical & electrical components to Tier 1 Companies
- COTS & Customised Products
- Aerospace seals & plastics

DISCRIMINATORS
- Representative for many of the world’s leading manufacturers in our field
- Superior product quality, knowledge and service
- Tailored solutions with direct OEM technical & engineering support
- Develop working relationships with customers

KEY CUSTOMERS
- Goodrich JSF Weapons Bay/Undercarriage uplock
- Rosebank JSF Weapons Bay/Undercarriage uplock
- Supacat-Oilite Bushes
- Department of Defence- All Platforms

QUALITY APPROVALS & AWARDS
- ISO 9001:2008

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CGB PRECISION PRODUCTS PTY LTD
www.cgb.com.au
Michael Lingard
National Business Development Manager
CGB Precision Products Pty Ltd
9/32 Silkwood Rise, Carrum Downs VIC 3201
Tel:  +61 3 9775 1125
Email: mslingard@cgb.com.au

CGB PRECISION PRODUCTS PTY LTD
www.cgb.com.au
Michael Lingard
National Business Development Manager
CGB Precision Products Pty Ltd
9/32 Silkwood Rise, Carrum Downs VIC 3201
Tel:  +61 3 9775 1125
Email: mslingard@cgb.com.au

CAPABILITIES
- Gears, precision & ground, load cells. Magnetic couplings, brakes & clutches. Rod Ends & Spherical Bearings
- Direct OEM supplier support

DISCRIMINATORS
- Customers have access to the latest innovative designs in our field.
- Many of our suppliers are Tier 1 companies to Aerospace & Defence Primes

KEY CUSTOMERS
- Kamatics
- Barden
- Kaydon
- Greene Tweed

QUALITY APPROVALS & AWARDS
- ISO 9001:2008

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CGGSS AUSTRALIA
www.cggss.com/cgg-australia
Frank Papa
Business Development
Spacelink Consulting (Australia) Pty Ltd
PO Box 2167 Brighton North VIC 3196
Tel:  +61 (0)412 470 047
Email: frank.papa@cggss.com

CAPABILITIES
- Gas Storage using solid state cool gas generators. Robust, no maintenance proven space technology.
- Fire sprinkler systems - powered by cool gas generators (CGG’s).
- Oil & Gas - CGG powered Emergency Valve Actuators & Blowout Preventers.

DISCRIMINATORS
- Alternative to compressed gas storage offering a secure, reliable and low total cost of ownership solution.
- Patented production of carbon dioxide, nitrogen, oxygen, methane, hydrogen or high yield gas from solids.
- CGG’s are a safe solid fuel rocket technology that can produce different types of gas at ambient temperature.

KEY CUSTOMERS
- CGG Safety & Systems
- TNO Defence
- Aerospace Propulsion Products
- European Space Agency

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CGBSS AUSTRALIA
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Frank Papa
Business Development
Spacelink Consulting (Australia) Pty Ltd
PO Box 2167 Brighton North VIC 3196
Tel:  +61 (0)412 470 047
Email: frank.papa@cggss.com

CAPABILITIES
- Safety Systems - CGG inflatable vests and rafts.
- R&D for client solutions requiring the advantages of CGG’s.

DISCRIMINATORS
- Current space flown technology requiring no maintenance and long storage time beyond 10 years.
- Currently being applied to European defense aerospace applications.
- CGG technology delivers Cool Gas at ambient temperature.

KEY CUSTOMERS
- European Space Agency.
- Dutch Airforce.
- The global CubeSat industry via online store.
CODARRA ADVANCED SYSTEMS
www.codarra.com.au
Mr Warren Williams
Managing Director
Codarra Advanced Systems Pty Ltd.
Level 5, 470 Collins Street, Melbourne VIC 3000
Tel: +61 3 9614 7449
Email: warren.williams@codarra.com.au

CAPABILITIES
- Multi disciplinary System Engineering, covering mechanical, electronic, electrical and ICT systems.
- Systems Engineering including functional and system specification, test concepts and plans, operational concepts/Project Management.
- Program Management.
- ICT Security expertise including IRAP and cryptographic equipment.
- Electrical load analysis including Failure Mode, Effects and Criticality Analysis (FMECA).

DISCRIMINATORS
- Multi disciplinary team capacity
- Over 24 years experience working with Defence material acquisition
- Minimum consultant security clearance of Secret
- Engineers have experience with Project Management to better integrate their activities into a project.
- Understanding of the through life benefits of a Capability not just the technical solution
- Ability to work within an industry team as well as within Defence
- Expertise with DOORS

KEY CUSTOMERS
- Dept of Defence (Capability Development Group)
- Dept of Defence (CASG)

QUALITY APPROVALS & AWARDS
- ISO9001:2008 (SAI Global)
- Accredited Training Organisation (APMG)

MARITIME CAPABILITY AREAS
<table>
<thead>
<tr>
<th>Category</th>
<th>Status</th>
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<tbody>
<tr>
<td>Electrical &amp; Electronics</td>
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<tr>
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<tr>
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<tr>
<td>Systems Integration</td>
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CORNELL DESIGN VICTORIA
www.cornelldesign.com.au
Jonathan Bannister
Managing Director - Victoria
Cornell Design Victoria Pty Ltd
Unit 12, 3 Westside Ave, Port Melbourne VIC 3207
Tel: +61 (0)403 860 824
Email: jonathan.bannister@cornelldesign.com.au

CAPABILITIES
- Provide a low risk scalability option for Design and Engineering teams
- 18 Mechanical and Electrical Designers between SA and Victoria
- Rapidly INTEGRATE into our client’s teams
- Work on (or off) our client’s site
- Able to supply key CAD software (Solidworks, Inventor, AutoCAD, AutoCAD LT)
- Have up-to-date hardware for efficient operation
- Fully licensed software
- There when you need us....

DISCRIMINATORS
- All our staff have a Trade Background - if we design it you can build it
- All our staff are full time employees (no contractors) ensuring we are always available and will complete the job
- Fully insured with Public Liability and Professional Indemnity Insurance

KEY PARTNERS
- Cornell Design South Australia
- Lester Franks

KEY CUSTOMERS
- Supacat
- ASC
- Chemring
- Daronmont Technologies

QUALITY APPROVALS & AWARDS
- Internally managed and audited QMS
DARONMONT TECHNOLOGIES
www.daronmont.com.au
Lee Stanley
Business Development Manager
Daronmont Technologies Pty Ltd
Unit 5, 21 Huntingdale Rd, Burwood VIC 3125
Tel: +61 3 9830 6222
Email: marketing@daronmont.com.au

CAPABILITIES
• Broad Systems Integration Capability - Hardware, Software, Mechanical, Security and Mobility
• Communications ESM and Direction Finding Systems
• Tactical Air Defence C2 Systems
• Air Traffic Control and Ranges - Mobility and C2 Systems

DISCRIMINATORS
• Multiple platform/domain experience (installation, integration, set to work, support) - Submarines, Surface ships
• Proven R&D/Developmental Engineering Capability
• Successful track record with CASG/ESSy/RAAF - Multiple award winner
• ISO 9001 accredited Business System (Quality System)

KEY CUSTOMERS
• Sage Automation
• Hill Defence Industries
• Marope NZ
• C4i Harris

QUALITY APPROVALS & AWARDS
• ISO 9001:2008
• CASG AEO Certification for Acq and Support

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</table>

DB SCHENKER
www.dbschenker.com.au
Jens Grovermann
Vertical Market Manager Defence AU/NZ
Schenker Australia Pty Ltd
43-57 South Centre Road, Melb Airport VIC 3045
Tel: +61 (0)404 038 673
Email: jens.grovermann@dbschenker.com

CAPABILITIES
• Global Integrated Logistics
• Global Freight Forwarding
• Contract Logistics
• Multi Modal Services
• Customs Brokerage
• Warehousing
• Project Logistics
• 3PL / 4 PL

DISCRIMINATORS
• Global Network
• Customized End to End Supply Chain Management
• Multi Country Consolidations
• Integrated Logistics
• Out of Gauge shipping
• Internal Customs Brokerage
• 3PL & 4PL Solutions
• Charter Vessel Project Dept.

KEY CUSTOMERS
• Northrop Grumman
• BOEING
• Supacat
• U.S. Forces

QUALITY APPROVALS & AWARDS
• ISO 9001
• ISO14001
• TAPA A
• AS4901 & OH&S18001

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</table>
DEFENCE SCIENCE INSTITUTE
www.defencescienceinstitute.com
Craig Butler
Engagement Manager
Defence Science Institute
L4, 204 Lygon St, Carlton VIC 3053
Tel: +61 3 9035 3961
Email: craig.butler@unimelb.edu.au

CAPABILITIES
• Creating research networks for industry, the Defence Science and Technology Group and Victorian Universities
• Aligning research capabilities with the needs of Australia Defence
• Supporting defence industries in providing a one-stop shop to access Victorian universities’ capabilities

DISCRIMINATORS
• Find an expert and find a capability services
• Identify and place higher degree internships into industry

KEY CUSTOMERS
• BAE Systems
• Tectonica
• Thales
• Northrop Grumman

KEY PARTNERS
• Defence Science and Technology Group
• Monash University
• The University of Melbourne
• Federation University
• Deakin University
• RMIT University
• Victoria University
• Swinburne University
• La Trobe University

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DEK TECHNOLOGIES
www.dektech.com.au
Patrick Klovekorn
Program Manager
DEK Corporation Pty Ltd
Cnr Riggall St Maldon St, Broadmeadows VIC 3047
Tel: +61 3 9309 1808
Email: patrick.klovekorn@dektech.com.au

CAPABILITIES
• Software and hardware development for telecommunication systems
• Software and hardware development for IoT control and automation systems
• Hardware, FPGA and ASIC development, e.g. for DSP, wireless modems (3G, 4G), Software Defined Radio

DISCRIMINATORS
• Distributed, high availability, real time, disturbance free systems architectures
• Processor architectures, kernel and embedded SW, middleware and operating system architectures
• Virtualisation of hardware and network resources
• End-to-end development to through life support

KEY CUSTOMERS
• Australian supplier with decades of experience in large, complex telecommunications projects
• Our products are operational in network exchanges around the world

KEY PARTNERS
• Altera Corporation - Development Partner

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<tr>
<td>Through Life Support</td>
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QUALITY APPROVALS & AWARDS
• ISO 9001

Patrick Klovekorn
Program Manager
DEK Corporation Pty Ltd
Cnr Riggall St Maldon St, Broadmeadows VIC 3047
Tel: +61 3 9309 1808
Email: patrick.klovekorn@dektech.com.au
DMTC
dmtc.com.au
Miles Kenyon
Program Development Manager
Defence Materials Technology Centre Ltd.
Level 2, 24 Wakefield St, Hawthorn, VIC 3122
Tel: +61 3 9214 4447
Email: information@dmtc.com.au

Dräger Safety Pacific Pty Ltd
www.draeger.com.au
Christina Ferris
Segment & Strategy Manager
Draeger Safety Pacific Pty Ltd
8 Acacia Place, Notting Hill VIC 3168
Tel: +61 3 9265 5016
Email: christian.ferris@draeger.com

CAPABILITIES
- Foster enduring collaborative relationships between industry, research organisations, industry bodies and Defence
- Support a more competitive and productive Australian defence industry

DISCRIMINATORS
- Integrated supply chain approach to technology development to ensure rapid commercial transition of technology
- Involvement of Australian Defence Customer in all technology development projects
- Industry-led project structure ensures project teams are outcome focused
- Breadth and depth of materials and manufacturing technology capability

KEY PARTNERS
- Defence Science and Technology Group
- 8 Australian Universities, CSIRO & ANSTO
- Australian industry supply chain participants
- Capability Acquisition and Sustainment Group

QUALITY APPROVALS & AWARDS
- Safeguarding Australia Eureka Prize Continuous Improvement Business Process Award
- National Innovation Award - Land Defence Aust
- Defence Industry Security Program

MARITIME CAPABILITY AREAS
- Shipping & Fabrication
- Materials Technology
- Research & Development
- Through Life Support

DRAEGER SAFETY PACIFIC PTY LTD
www.draeger.com.au
Dräger Safety Pacific Pty Ltd
8 Acacia Place, Notting Hill VIC 3168
Tel: +61 3 9265 5016
Email: christian.ferris@draeger.com

CAPABILITIES
- SCUBA Diving Equipment
- Gas Detection Equipment
- HP Compressors
- Hyperbaric equipment
- Fire fighting equipment.
- Breathing apparatus
- Thermal Imaging Equipment
- respiratory breathing systems. e.g., escape units to long duration breathing apparatus

DISCRIMINATORS
- Draeger Safety supplies, manufactures and services a complete range of products for Government departments,
- Draeger has a proven track record of understanding and meeting expectations having been the designer
- Our product and service offerings are an excellent fit with the profile of the specified requirements.
- We have the capability to provide a genuinely integrated end-to-end service
- The Australian Department of Defence will benefit from a commitment to delivering savings and improvement initia
- Draeger strongly supports and practices the dual disciplines of documented service level agreements
- Draeger has strong financial performance ensuring long term sustainability of our solution;
- We have a proven track record of innovation and significant investment throughout our Global Group.

KEY Partners
- Lockheed Martin
- Rheinmetall
- Department of Defence
- Majority of Mining Companies (eg. BHP, Xtrata)
- All Emergency Services

QUALITY APPROVALS & AWARDS
- ISO 14001
- ISO18001
- Approved Hyperbaric Repairer

MARITIME CAPABILITY AREAS
- Materials Technology
- Research & Development
- Through Life Support
DVR ENGINEERING
www.dvrengineering.com.au
Mike Nikol
Managing Director
DVR Engineering
36-40 Maffra Street, Coolaroo VIC 3048
Tel: +61 3 9301 5500
Email: mike@dvrengineering.com.au

CAPABILITIES
- CNC Laser Cutting 6kW 12m x 2.5m
- CNC Laser Cutting 4kW x 4 Axis
- Pipe Laser Cutter - 40mm Dia. X 40mt
- Surface Finishing Machines - All Metals
- CNC Multi-Axis Plasma Cutter with Bevel Cutting 12.5m x 3.1

DISCRIMINATORS
- Customer Design Support
- Certified Welders
- Unigraphics & PEPS CAD/CAM Systems
- ‘M1’ ERP System
- Prototype to High Volume Manufacture

KEY CUSTOMERS
- Department of Defence / CASS
- THALES
- BAE Systems Land / Maritime
- General Dynamics

QUALITY APPROVALS & AWARDS
- ISO 9001:2008, Quality Management Certification
- ISO 14001:2004, Env Mgt Systems Certification
- ISO/IEC 17025:2005 (Ballistics)
- THALES Supplier Award

MARITIME CAPABILITY AREAS
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<tr>
<td>MFG/FAB</td>
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<td>Prof. Services</td>
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<tr>
<td>R&amp;D</td>
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<tr>
<td>Systems Integration</td>
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<tr>
<td>T/L Support</td>
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EB FUSION
www.ebfusion.com.au
George Lam
Business Development Manager
EB Fusion Pty Ltd
15 Batman Street, West Melbourne VIC 3003
Tel: +61 3 9320 1107
Email: enquiries@ebfusion.com.au

CAPABILITIES
- Specialist Electron Beam welding service
- Maximum amount of weld penetration with the least amount of heat input, reducing distortion
- EB welding often reduces the need for secondary operations
- A cleaner, stronger, and homogeneous weld is produced in a vacuum

DISCRIMINATORS
- Unique Electron Beam welding facility, adaptable to suit your specific requirements.
- High precision CNC Turning and Engineering capabilities, specialising in metals and engineering thermoplastics.

KEY CUSTOMERS
- Cambridge Vacuum Engineering
- Glass Expansion

QUALITY APPROVALS & AWARDS
- ISO 9001:2008, Quality Management Certification
- Internal QMS employed; ISO 9001:2015 pending

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</table>
# ENVIROFLUID

**www.envirofluid.com**

Lorraine Johnson  
National Account Manager  
Envirofluid  
39 Coghlans Road, Warrnambool, VIC 3280  
Tel: +61 3 5564 6455  
Email: lorraine.johnson@envirofluid.com

---

## CAPABILITIES

- Manufacturer of eco-friendly cleaners, degreasers and specialty chemicals that conform to WHS Guidelines  
- Low flammable Solvent replacements for MEK, Toluene, Acetone and DG Chemicals  
- Low odour and Non DG solvent degreasers and Brake Cleaners that are suitable for use in confined spaces  
- Eco-safe water treatment, scale removal and odour control solutions that improve oily water separation  

## DISCRIMINATORS

- Recyclable WHS compliant solvent degreasers that reduce disposal costs and chemical inventory requirements  
- Eco-friendly chemicals that protect surfaces and reduce rust  
- Readily biodegradable cleaners that enhance oily water separation and improve effluent quality for discharge  
- Non toxic scale removers that limit corrosion and lower effluent disposal costs

## KEY CUSTOMERS

- Hastings Deering  
- ASC  
- Forgas  
- Royal Australian Navy

## QUALITY APPROVALS & AWARDS

- ISO 9001, ISO 14001, SECA, MACCOP  
- Letter of Recognized Supply Defence  
- Airbus Boeing Douglas  
- SAMS, Asia/NATO, NAVO

---

# FLEXIBLE DRIVE

**www.flexibledrive.com.au**

Darren Bagatella  
National Sales Manager  
Flexible Drive P/L  
86 Stubbs Street, Kensington VIC 3031  
Tel: +61 3 9381 9222  
Email: dbagatella@flexibledrive.com.au

---

## CAPABILITIES

- Actuation - Control cable manufacture, testing, engineering, design & sourcing. We cater for any MOQ.  
- Wiper Systems - Marine, Transport and industrial capabilities. Design and supply.  
- Tracking and alerts, Switches, gauge, alarms, control systems.  
- Lighting - Automotive and DC lighting capabilities, including LED, Halogen, Emergency lighting.  

## DISCRIMINATORS

- Local manufacturing.  
- In house design capabilities.  
- Short run production efficiencies.  
- Variety of product lines.  
- OE supply experience

## KEY CUSTOMERS

- Elliot Manufacturing  
- Honeywell  
- Lord Mounts  
- Kenworth - Paccar

## QUALITY APPROVALS & AWARDS

- ISO 9001 certification.  
- 10 year member of AIDN.
**FLUID DYNAMICS**

www.fluiddynamics.com.au

John Bolton
Managing Director
Fluid Dynamics Pty Ltd
25 Star Cres. Hallam VIC 3803
Tel: +61 3 9766 5988
Email: mail@fluiddynamics.com.au

**CAPABILITIES**

- Experience: Specialising in Heat Exchangers since 1981
- Design: Capability to produce Heat Exchangers for almost every application
- Manufacturing: Fully equipped Australian factory
- Stock: Extensive stock of Heat Exchangers, components and parts
- Range: Shell & Tube; Finned Tube; Plate; Coil; Brazed Plate & Bar; Custom Built

**DISCRIMINATORS**

- Over 32 years’ experience
- Defence capable and ready
- Capability to re-engineer & custom build
- Ability to handle demanding Defence & OEM projects and one-off jobs
- Large Ultrasonic Cleaning System

**QUALITY APPROVALS & AWARDS**

- ISO 9001:2008
- Supplier Continuous Improvement Programme (SCIP)
- Defence Recognised Supplier

**MARITIME CAPABILITY AREAS**

<table>
<thead>
<tr>
<th></th>
<th>Engines &amp; Propulsion</th>
<th>Manufacturing &amp; Fabrication</th>
<th>Professional Services</th>
<th>Systems Integration</th>
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</table>

**KEY CUSTOMERS**

- Marine/Defence: MTUDDA, Thales, ANZAC Class Frigates, Armidale Class Patrol Boats, etc.
- Industry: VISY, NEC, Norske Skog etc.
- Mining: BHP Billiton, Santos, Rio Tinto, Minara etc.
- Compressors: Sullair, Champion, Kaiser, Compair etc.

**FRONTLINE AUSTRALASIA**

www.frontline-aust.com.au

Samuel Rabinovich
Senior Defence Engineer
Frontline Australasia Pty. Ltd
55 Letcon Dr, Bangholme, VIC 3175
Tel: +61 3 9768 4235
Email: srabinovich@frontline-aust.com.au

**CAPABILITIES**

- Project management
- Process and Product Design and Development
- Production of low to high volume, local valve production 1500-3000 items per year
- CNC and manual milling, turning, drilling, pressing, jigging, polishing, tapping, precision assembly.
- Working with various materials: steel, stainless steel, copper alloys & exotic alloys

**DISCRIMINATORS**

- Australian owned company with strong technology and engineering focus.
- Australia manufacturing focus
- Developed over the years network of the accredited local and overseas subcontractors
- Track record of successfully delivering components and services to shipyards in Australia, New Zealand & Malaysia

**QUALITY APPROVALS & AWARDS**

- CMM measuring laboratory, testing: hydraulic, pneumatic, electrical actuators, ADR 62/02 static & dynamic
- Quality Management System
- Warehousing and dispatching facilities; inventory control.

**MARITIME CAPABILITY AREAS**

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- Industry: VISY, NEC, Norske Skog etc.
- Mining: BHP Billiton, Santos, Rio Tinto, Minara etc.
- Compressors: Sullair, Champion, Kaiser, Compair etc.

**QUALITY APPROVALS & AWARDS**

- ISO 9001
- Immigration Programme (SCIP)
- Defence Recognised Supplier

**KEY PARTNERS**

- ASC, Australia Submarine Corporation
- BAE Systems, Australia
- BNS Shipyard, Malaysia
- Australian, New Zealand & Malaysian Navies

**QUALITY APPROVALS & AWARDS**

- ISO 9001
- ISO/TS 16949; ISO/IEC 17025
- Victoria Innovation Company of the Year, 2008
- Victoria Supplier of the Year, 2009
GASCO PTY LTD
www.gasco.net.au
Johann Cramer
Senior Sales Engineer
Gasco Pty Ltd
170 Colchester Road, Bayswater VIC 3153
Tel: +61 3 9237 7111
Email: johann.cramer@gasco.net.au

MARITIME CAPABILITY AREAS
- Design
- Manufacturing & Fabrication
- Systems Integration

QUALITY APPROVALS & AWARDS
- BAE Systems
- Tenix (Downer)
- ADI Hoffman Eng., Bendigo
- BHP Billiton / One Steel

HART MARINE
www.hartmarine.com.au
Graeme Taylor
General Manager
Caulmar Pty Ltd trading as Hart Marine
66 Yuilles Rd, Mornington VIC 3931
Tel: +61 3 5975 5622
Email: info@hartmarine.com.au

MARITIME CAPABILITY AREAS
- Design
- Manufacturing & Fabrication
- Materials Technology
- Research & Development
- Through Life Support

QUALITY APPROVALS & AWARDS
- AS/NZS ISO 90001: 2008 certified

CAPABILITIES
- High temperature heat transfer and combustion equipment
  Pressure vessels, ASME qualified
- Carbon and alloy steel pipework
- Waste Heat Recovery Units for Gas Turbines and reciprocating engines Module palletisation
- Modular construction of equipment
- Project management & design co-ordination of ship and land based equipment
- Hydrocarbon management of fuel, water and re-supply
- Worked with Aust & Int. Standards & high level contractual specs in fluid & gas deliveries, medical & hydrocarbons
- Engineering design to meet customer needs to MIL Spec Standards
- Environmental equipment and testing

DISCRIMINATORS
- Australian owned, designed and built
- Quality supplier
- Local technical support
- Highly skilled and accomplished engineering team
- Custom designer and fabricator of process equipment
- Exclusive rights in Australia to build the self-righting Pantocarene ORC pilot boat
- Innovative design and construction techniques focusing on safety, comfort and functionality
- In-house capabilities encompass design, construction, fit-out and finishing

KEY CUSTOMERS
- DST Group
- ARL
- Shell / BP / Exxon Mobil / Chevron / APA
- Bechtel

KEY PARTNERS
- ISO 9001 2008
- ASME U, V, S & R Stamps
- Santos Director’s Award

KEY CUSTOMERS
- Yanmar Co. Ltd
- Cummins South Pacific Pty Ltd
- P & Marine Engineering Pty Ltd
- Parker Hannifin Corporation

KEY PARTNERS
- Port Phillip Sea Pilots, VIC (5 vessels)
- Svitzer Australasia Pty Ltd (2 vessels)
- Flinders Ports, SA (2 vessels)
- Lyttelton Port Corporation (Christchurch, NZ)

QUALITY APPROVALS & AWARDS
- BAE Systems
- Tenix (Downer)
- ADI Hoffman Eng., Bendigo
- BHP Billiton / One Steel

QUALITY APPROVALS & AWARDS
- High speed assault craft (design and construction from composite material)
- Sea Rescue vessels (design and construction from composite material)
**HASCO FOUNDRY**

hasco.com.au

Adam Hassell
Director
Hasco Foundry Pty Ltd
12 Old Cresswick Road Ballarat, VIC 3350
Tel: +61 5339 9840
Email: hasco.foundry@gmail.com

**CAPABILITIES**

- Aluminium castings up to 300kg
- Copper alloy castings up to 100kg
- Cast & Ductile iron castings up to 160kg
- Rapid Prototyping / Tooling
- Machining

**DISCRIMINATORS**

- 3rd generation founders, over 30 years of continuous operation
- Financially secure SME developed for sustainability
- Flexible to the most demanding customer requirements
- Our size allows us to turn around prototypes much more quickly than larger competitors

**KEY CUSTOMERS**

- Defence
- Performance Automotive
- Rail / Transport
- Industrial / Engineering

**QUALITY APPROVALS & AWARDS**

- ISO 9001

---

**HIDE AWAY SAFE CO**

www.hideawaysafe.com.au

David Jackson
Principal Director
Hide Away Safe Securities Pty Ltd
240 Stamps Lane Wangaratta VIC 3678
Tel: +61 3 5721 9040
Email: defencebiz@hideawaysafe.com.au

**CAPABILITIES**

- Globally Unique to Hide Away Safe Co
- Literally the most awesome new broad spectrum security system anywhere in the world
- Made from ‘state of the art’ liquid injected LEXAN Military grade Polycarbonate
- Successful ‘systems integration’ proven over 20 years

**DISCRIMINATORS**

- Australian designed, owned and made MOTS products. Manufactured by an SME rural family business
- Global leader in ‘Security Portability’ proven over 25 years within Government, Corporate and Defence
- One of Defence’s long term ‘systems integration projects’ 2008 through to 2035
- Designed and built with a minimum 50 year life cycle with minimal ‘through life cost’

**KEY CUSTOMERS**

- MBAuP
- RMMVA
- Thales
- ASSA Abloy

**QUALITY APPROVALS & AWARDS**

- COTS 2008, MOTS 2011 Defence Approved Supplier
- NATO (NCAGE) Code Z0MY0
- DMO LusRS certification
- AS/NZS ISO9001:2008 Cert #17101201 Lic #00171

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**MARITIME CAPABILITY AREAS**

- Design
- Manufacturing & Fabrication
- Through Life Support

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**MARITIME CAPABILITY AREAS**

- Design
- Electrical & Electronics
- ICT & Software
- Manufacturing & Fabrication
- Professional Services
- Systems Integration
- Through Life Support
**HOFMANN ENGINEERING PTY. LTD**

www.hofmannengineering.com

Geoff Kinniburgh
Product Manager; Gearing & General Engineering
Hofmann Engineering
25 Bushmaster Court, North Bendigo VIC 3550
Tel: +61 3 5440 7400
Email: geoff.kinniburgh@hofmannengineering.com

**CAPABILITIES**
- Commitment to continuing improvement, significant R & D capabilities to extensive metallurgical facilities
- Extensive experience in general engineering, manufacturing gears & refurbishing gearboxes to exact specifications
- Quality and service is paramount with fabrication services covering all aspects in support of the defence industry
- Project management teams specialise in provision of engineering & management services for the Government industry

**DISCRIMINATORS**
- 35m length VDF CNC Lathe with 1830mm swing. Largest CNC lathe in the southern hemisphere
- 20+ years experience in Design, Development & Manufacture of military and aerospace components, Jigs, Fixtures etc
- Extensive in-house & on-site refurbishment work on HMAS vessels including Collins class submarines
- High end fabrication & machining of the worlds largest girth gears, mill shells & dragline components
- From design to manufacture, everything is performed in-house
- On-site services worldwide - initial consultation & inspection through to refurbishment or repair & installation
- 100% Australian owned family company
- Manufacturing locations include Perth (HQ), Bendigo, Melbourne, Newcastle & South America
- Through Life Support

**QUALITY APPROVALS & AWARDS**

- AS 9100 Rev C:2009 - Cheltenham Site (ITAR)
- Member of AGMA
- 2011 CY O’Connor award, Engineering Excellence

**MARITIME CAPABILITY AREAS**

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<th>Design</th>
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<td>Through Life Support</td>
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**HYDRIX PTY LTD**

www.hydrix.com

Bill Hill
GM, Strategic Business Development
Hydrix Pty Ltd
1044A Dandenong Road, Carnegie VIC 3163
Tel: +61 3 8573 5299
Email: bill.hill@hydrix.com

**CAPABILITIES**
- New product development
- New technology research and development
- Systems engineering
- RF communications
- Mechanical system design and development
- Electronics system design and development
- Software engineering
- Prototyping and testing

**DISCRIMINATORS**
- All employees are at least degree qualified with an average 15 years development experience
- Track record of technical problem solving and applied research to develop novel products
- Track record on developing and new technology and transferring into manufacture

**KEY CUSTOMERS**
- Thales
- BAE Systems (ITAR & Export)
- Rolls Royce
- Australian Submarine Corporation (ASC)

**QUALITY APPROVALS & AWARDS**

- ISO 9001, 13485, 14001 and 18001 accredited
- Victorian Manufacturing Hall of Fame
- Red Dot Award
- IF Award
**INCITIAS**
www.incitias.com
Holger Kelle
Director
INCITIAS Pty Ltd
5 Marrakai Court, Eltham VIC 3095
Tel: +61 (0)409 079 445
Email: info@incitias.com

**CAPABILITIES**
- Solution provider for the marine, oil, LNG, defence industry from design to on-going maintenance
- Advisory: pre-FEED, FEED, desk top design review, concept selection, owner engineering, legal arbitration support
- Advisory: contracting strategy, financial modelling, cost estimating, scheduling for capital project
- Advisory: naval architecture, construction, commissioning and installation owner representative

**DISCRIMINATORS**
- 15+ years oil and gas and bespoke equipment background
- Full life-cycle bespoke solutions from concept to on-going maintenance
- World leader in developing floating LNG re-gasification terminals (over 50% of FEED worldwide)
- Equipment specialist for: mooring, swivel stacks, HPU, cranes, rope and chain tensioning, heave compensation
- Experts in systems marinisation, modularisation and new technology qualification

**KEY CUSTOMERS**
- WorleyParsons (Singapore),
- Sumitomo (Japan), CLP (Hong Kong),
- SOGREAH GULF (Dubai), Nogaholding (Bahrain)
- Confidential OEM

**QUALITY APPROVALS & AWARDS**
- ISO 9001 conform quality systems

**MARITIME CAPABILITY AREAS**
- Design
- Electrical & Electronics
- Manufacturing & Fabrication
- Materials Technology
- Professional Services
- Research & Development
- Systems Integration
- Through Life Support

**INTEGRA SYSTEMS**
www.integrasystems.com.au
Paul Hughes
Managing Director
Integra Systems Pty Ltd
197 Northcorp Blvd, Broadmeadows VIC 3047
Tel: +61 3 9359 3133
Email: paul@integrasystems.com.au

**CAPABILITIES**
- Product Design Engineering, including Industrial Design and Mechanical Engineering - Concept to Prototyping
- Design for Manufacture (DFM), design for easy deployment, design for sustainability, design for reduced on-costs.
- Prototyping - Rapid prototyping, 3D printing, applied manufacturing prototyping
- Project Management of key network of local and global suppliers for complete solutions

**DISCRIMINATORS**
- Flexible light metal in-house manufacturing facility
- Punching processes, including Integra’s in-house designed and built ‘Punch-IT Coil Line’
- Laser cutting, servo electric bending, notching, fastening, welding powdercoating and assembly
- Integra will make your vision real

**KEY CUSTOMERS**
- Defence and emergency response vehicles
- Public transport infrastructure
- IT and Electrical enclosures an infrastructure
- Merchandising and customer information systems

**QUALITY APPROVALS & AWARDS**
- ISO 9001 Quality Assurance in practice
- Vic Man Hall of Fame Business of the Year 2013
- Lifetime Achievement Awards - 2011 - 2014
- NBAA Enterprise & Innovation Award 2012
INVENIO PTY LTD
www.invenio.com.au
Ivan Meisel
Managing Director & CEO
Invenio Pty. Ltd.
Level 4, 37-41 Prospect St, Box Hill VIC 3128
Tel: +61 3 9896 8888
Email: ivanm@invenio.com.au

CAPABILITIES
• Proposal development: improved program definition = well informed capabilities vs. cost decisions to achieve goals
• Agencies, primes & suppliers collaboration to bid and deliver winning programs, on time and within budget.
• Configuration & Definition management: Manage documentation for platform configuration & explore best alternatives
• Professional services: through life support

DISCRIMINATORS
• Through life support: asset management of fleet to maintain variance, configuration control & readiness
• Business Process Analysis /Re-engineering, Reverse Engineering, Workflow, 3D Visualisation, Process Automation
• ITAR data management support, IP management & control, risk management, lean engineering, consultancy
• CATIA: 3D design (complex assembly), ENOVIA: Collaboration, PDM, data management, BOM software, services, training
• Engineering recruitment, Business Services: CAD/ CAM design, modeling, drafting, CAE/ FEA, GD&T, Project Management

MARITIME CAPABILITY AREAS

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<th>ENGINEERING &amp; PROPULSION</th>
<th>MATERIALS TECHNOLOGY</th>
<th>PROFESSIONAL SERVICES</th>
<th>RESEARCH &amp; DEVELOPMENT</th>
<th>SYSTEMS INTEGRATION</th>
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KEY PARTNERS
• Dassault Systems
• Submarine Institute of Australia
• Australian Association for Unmanned Systems
• Australian Automotive Aftermarket Association

KEY CUSTOMERS
• Royal Australian Navy - PLM support & training
• DOD, CASL, LEA, DSTOL Land Systems: PLM services
• Rheinmetall Defence - PLM & training
• NGA - PLM support & training, RUAG, Cablex etc

QUALITY APPROVALS & AWARDS
• ISO 9001:2008
• Defence Restricted Network (DRN)
• Dassault Systems V5, W6 certified Partner
• Dassault Systems Certified Education Partner

JACOBS RADIO (AUSTRALIA) PTY LTD
www.jacobsradio.com
Michael W. Jacobs
Managing Director
Jacobs Radio (Australia) Pty Ltd
14 Houship Court Ringwood East VIC 3135
Tel: +61 3 9879 3337
Email: info@jacobsradio.com

CAPABILITIES
• System design/engineering of military electronics equipment
• Local manufacture of military electronics equipment
• Build-to-print of military electronics equipment
• Re-engineering/modification of military electronics equipment

DISCRIMINATORS
• Solutions which are innovative, latest technology and in time frames not achievable by traditional purchasing
• All work performed in Australia with resulting easy contact at all times
• If you have a problem requiring new or modified hardware we can probably solve it for you
• 30+ years of proven military equipment design/manuf in Australia

MARITIME CAPABILITY AREAS

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<th>MANUFACTURING &amp; FABRICATION</th>
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KEY CUSTOMERS
• Army, Navy, ASC, Tenix, Boeing, L3, ADI/Thales
• NZDF, SAAB, Lockheed Martin

QUALITY APPROVALS & AWARDS
• Since 1987 operated AS1821, AS9001 and ISO9001
JOTUN AUSTRALIA PTY LTD
www.jotun.com.au
Frank Brown
National Marine Manager
Jotun Australia Pty Ltd
9 Cawley Road, Brooklyn VIC 3012
Tel: +61 (0)439 570 547
Email: frank.brown@jotun.com.au

CAPABILITIES
- Antifouling Paint
- Tank Coatings
- Deck Coatings
- General Marine Coatings

DISCRIMINATORS
- Local Manufacture
- Fully qualified Technical Support
- Leading Anti-Foul technology

KEY PARTNERS
- Jotun AS (Head office)

JOTUN AUSTRALIA PTY LTD
www.jotun.com.au
Frank Brown
National Marine Manager
Jotun Australia Pty Ltd
9 Cawley Road, Brooklyn VIC 3012
Tel: +61 (0)439 570 547
Email: frank.brown@jotun.com.au

CAPABILITIES
- Antifouling Paint
- Tank Coatings
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DISCRIMINATORS
- Local Manufacture
- Fully qualified Technical Support
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KEY PARTNERS
- Jotun AS (Head office)

MARITIME CAPABILITY AREAS
- Design
- Manufacturing & Fabrication
- Materials Technology
- Professional Services
- Research & Development

QUALITY APPROVALS & AWARDS
- ISO 9001
- AS/NZS 4801
- ISO 14001

KEECH CASTINGS AUSTRALIA
www.keech.com.au
Brad Clark
National Sales Manager
Keech Castings Australia
30-46 Powell Street, Bendigo VIC 3550
Tel: +61 3 5445 8262
Email: bclark@keech.com.au

CAPABILITIES
- High integrity steel casting foundry
- Australia’s most progressive foundry
- Extensive engineering and design capabilities including reverse engineering
- Solutions provider - from customised design, prototyping, validation and manufacture
- Dedicated materials engineering team, with full testing/validation capabilities

DISCRIMINATORS
- Australian owned and operated for over 80 years
- Respected supplier to the mining, agriculture, rail, industrial and infrastructure markets
- Lean manufacturing driven company providing globally competitive pricing
- "Design for Despatch" philosophy driven business

KEY CUSTOMERS
- Hitachi Construction Australia (HCA Australia)
- Hitachi Construction Machinery (HCM Japan)
- BHP Billiton
- UGL Limited

MARITIME CAPABILITY AREAS
- Design
- Manufacturing & Fabrication
- Research & Development

QUALITY APPROVALS & AWARDS
- ISO 9001, ISO14001, AS/NZS4801
- Endeavour Award Winner 2015
- BRW Best Regional Business Winner
- BRW Top 50 Most Innovative Company
KLINGER LIMITED AUSTRALIA

Mr John Meago
Regional Sales Manager Vic/Tas
Klinger Limited Australia
33-35 Gaine St, South Dandenong VIC 3175
Tel: +61 (0)412 626 021
Email: john_meago@Klinger.com.au

LEAN DESIGN AUSTRALIA

Gary Stewart
Managing Director
Lean Design Australia Pty Ltd
Tel: +61 (0)400 888 186
Email: garystewart@leandesign.com.au

CAPABILITIES
- Gasket Manufacture & Supply
- Gasket & Seal Design
- Critical Gasket/Seal Assembly
- Level Gauge Manufacture
- Leak Detection & Repair Services

DISCRIMINATORS
- Only Australian manufacturer of Gasket Sheet (CNAF)
- Proven track record for gasket seal design and supply to Defence Platforms
- PC Based software to evaluate different material types for specific customer applications
- Unique leading edge leak detection and repair services

MARITIME CAPABILITY AREAS
- Design • Professional Services •

QUALITY APPROVALS & AWARDS
- ISO 9001AS4801
- ISO14001
- ACHILLES

MARITIME CAPABILITY AREAS
- Design •

MAJOR CUSTOMERS
- Bae Systems
- ASC
- Hyundai
- Navantia

KEY CUSTOMERS
- Bae Systems
- ASC
- Hyundai
- Navantia

MARITIME CAPABILITY AREAS
- Design • Professional Services •

MAJOR CUSTOMERS
- Bae Systems
- ASC
- Hyundai
- Navantia

QUALITY APPROVALS & AWARDS
- ISO 9001AS4801
- ISO14001
- ACHILLES

DISCRIMINATORS
- Design for Manufacture: 20-40% Cost Reduction 50-90% reduction in Manufacturing complexity
- Design of Product as a System: 30-50% Cost Reduction 90% better Quality outcomes 10-25% shorter program leadtimes
- Most Design changes before drawn in CAD Result: Far less problems, far lower cost, shorter timelines - less Risk
- Design of Product as an Ecosystem: 40-80% Program Cost Reduction 20-40% shorter program development timelines 90% better Quality outcomes 90% better Sustainment outcomes 95% better Risk Maturity Modeling & performance outcome
- 90% better Affordability & Producibility outcomes Most Design changes before drawn in CAD - or before you cut steel
- Result A: Less problems, lower cost, shorter timelines - less Risk Result B: Affordable programs for your customer

KEY CUSTOMERS
- US DoD
- DARPA/AFRL
- BAE: Astute
- Elec Boat: Virginia

KEY PARTNERS
- Munro & Associates, LLC
- Design Profit, Inc
### LEAP AUSTRALIA PTY LTD

**www.leapaust.com.au**

David Graham  
Fluids Business Manager  
LEAP Australia Pty Ltd  
Suite 6, 750 Blackburn Rd, Clayton VIC 3168  
Tel: +61 3 8542 7888  
Email: info@leapaust.com.au

#### MARITIME CAPABILITY AREAS

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<td>Systems Integration</td>
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#### KEY CUSTOMERS

- DST Group (formerly DSTO)  
- Thales  
- BAE  
- ASC

#### QUALITY APPROVALS & AWARDS

- AS ISO 17025  
- NATA Accredited labs in Melbourne, Syd  
- BAE UK approved for Titanium IGA & NDT  
- Aust. Institute for NDT. Director, ICNDT & AP

### LMATS PTY LTD

**www.lmats.com.au**

Pranay Wadylkark  
Director / Technical controller  
LMATS PTY LTD  
6 Techno Park Drive, Williamstown VIC 3016  
Tel: +61 3 9399 9199  
Email: pranay@lmats.com.au

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#### KEY CUSTOMERS

- BAE Systems Williamstown & Bandiana VIC- Commo  
- BAE Systems Aust. Defence Edinburgh SA - IGA 1  
- Australian Submarine Corporation SA - Osborn  
- Origin energy

#### DISCRIMINATORS

- Single point of contact for Comprehensive range of tests  
- Australia wide coverage for on-site testing  
- Advanced NDT Services - ECA, PAUT, TOFD  
- Sealants, adhesives, gels, polymer tests  
- Material Eng. & Ad. NDT combined Services  
- Multi skilled and cross skilled staff  
- Quickest Online reporting to save client’s time  
- Lean, Kaizen, Kanban, Poka Yoka, 5S work System

#### DISCRIMINATORS

- Trusted supplier to all major Defense organisations for 20 years  
- Long standing Australian partner of best-in-class engineering software vendors  
- Most comprehensive breadth of integrated engineering software technologies available in Australia  
- Largest local technical support team to provide on-site and custom training and support to Defence groups

#### KEY PARTNERS

- ANSYS (local representative)  
- PTC (local representative)  
- Flo wnex (local representative)  
- nCode (local representative)
LOGISTIC ENGINEERING SERVICES
www.les.net.au
Phil Jarratt
General Manager
Logistic Engineering Services Pty Ltd
Level 1, 7 Westside Avenue, Port Melbourne VIC 3207
Tel: +61 3 8698 6400
Email: admin@les.net.au

CAPABILITIES
- Integrated Logistic Support
- Level of Repair Analysis
- Logistic Support Analysis and Records
- Logistic Support Analysis
- Reliability Centered Maintenance
- Failure Modes, Effects and Criticality Analysis
- Training Needs Analysis, Design, development and delivery
- Technical Documentation

DISCRIMINATORS
- Specialist in delivery and management of LSA and LSAR
- Extensive experience in data conversion services and tools
- Transparency and reliability of service
- Cost Competitive

KEY CUSTOMERS
- BAE Systems
- Capability Acquisition and Sustainment Group
- GH Valley
- Oshkosh

QUALITY APPROVALS & AWARDS
- AS/NZS 9001:2008
- ADM Essington Lewis Trophy 2009
- DMO/Industry Team of the year Award 2009
- Defence Industry Security Program

MACKAY DEFENCE
www.mackayrubber.com.au
Olaf Aim
Sales Engineer – Defence
Mackay Consolidated Industries Pty Ltd
260 Chesterville Rd, Moorabbin VIC 3189
Tel: +61 3 9555 6500
Email: olaf.aim@mackayrubber.com.au

CAPABILITIES
- Rubber and composites manufacturer of end-to-end solutions encompassing: Design, Development and Manufacture.
- Two manufacturing locations: Melbourne, Australia and Rayong, Thailand.
- Process types: Extrusion, Compression, Transfer and Injection Moulding.

DISCRIMINATORS
- Trusted partner of the Defence Science and Technology Group (DST Group) developing enhanced products.
- ITAR compliant with approved secure manufacturing facility and key employees with NV1 security clearance.
- Technical Services Centre, encompassing: mathematical modeling, rubber and product development - we do difficult.
- Specialist materials from globally sourced suppliers e.g. aeronautical materials: ablatives, pre-preg, and adhesive

KEY CUSTOMERS
- Defence Science and Technology Group
- Leap Australia

QUALITY APPROVALS & AWARDS
- AS/NZS ISO14001:2004
- ISO/IEC17025:2005 (NATA approved Laboratory)
- TS16949:2009
MARAND
www.marand.com.au
Alex Lyon
Business Development Manager
Marand Precision Engineering PTY LTD
153 Keys Road Moorabbin, VIC 3189
Tel: +61 3 8552 0600
Email: alex_lyon@marand.com.au

CAPABILITIES
- Design, feasibility studies, specification writing, concept development
- Manufacture, systems integration, prototype development, through life support
- Complex Defence sub-assembly production
- Complete turnkey production facilities set-up

DISCRIMINATORS
- Australia’s largest proven and trusted Aerospace Tooling, Automation, Robotics, and Systems Integrator
- Designer and sole source manufacturer of the JSF F-35 Engine Removal and Installation Trailer
- Strategic second source for the Joint Strike Fighter Vertical tail production
- Largest Australian manufacturing supplier on F-35 program

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QUALITY APPROVALS & AWARDS
- AS/EN 9100C / ISO 9001, ISO 14001, ISO/IEC 170
- 2014 - CIPS international procurement project of the year
- 2014 - BAE UK- MAI procurement award best relationships award
- 2014 Manufacturers monthly Endeavour award - Manufacturer of the year

KEY CUSTOMERS
- Lockheed Martin (Source Acceptance Approval)
- BAE Systems (Source Acceptance Approval)
- Boeing
- CEA Technologies

MATRIX APPLIED COMPUTING LTD
www.matrix.co.nz
Malcolm Abell
Business Development Manager
Matrix Applied Computing Ltd
521 Kooyong Road Elsternwick VIC 3185
Tel: +61 3 9596 0390
Email: Malcolm.Abell@matrix.co.nz

CAPABILITIES
- Advanced Non-linear FEA Services
- Computational Fluid Dynamics Services
- Fluid Structure Interaction
- ICT consulting services
- Configuration Management Training Services

DISCRIMINATORS
- Performed 96% of shock qualification by calculation for NZ ANZAC Frigates
- All design work on ANZAC Frigates approved 1st time by Bhlom & Voss, Arecom and Australian Navy
- Recent shock analysis work done for Australian Army via Cubic Defence

KEY CUSTOMERS
- Matrix Applied Computing NZ
- Aras Corporation, Ma, USA

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Matrix Applied Computing Ltd
521 Kooyong Road Elsternwick VIC 3185
Tel: +61 3 9596 0390
Email: Malcolm.Abell@matrix.co.nz

KEY CUSTOMERS
- Cubic Defence
- Defence Technology Agency
- NZ Defence Force
## M. BRODRIBB PTY LTD

**www.brodrribb.com.au**

Richard Brodribb  
Managing Director  
M. Brodribb Pty Ltd  
15 Carroll Cres, Glen Iris VIC 3146  
Tel: +61 3 9832 0222  
Email: sales@brodribb.com.au

### CAPABILITIES
- Defence approved transformer manufacturer  
- DC charger systems  
- Cathodic protection rectifiers  
- ISO 9001:2008 certified manufacturer of DC systems

### DISCRIMINATORS
- Skilled engineering and trades staff  
- 60+ years in business  
- Long involvement with Defence, espec. Navy  
- Modern CAD tools  
- Supplied ANZAC, SUCCESS, TOBRUK, KANIMBLA, FFG  
- Australian owned, Melbourne based  
- Good relationship with ship design groups  
- Familiar with ship design requirements for LV transformers

### KEY CUSTOMERS
- BAE (transformers)  
- Dept Defence (Transformers)  
- S A Water (rectifiers)  
- Enerex (battery chargers)

### KEY PARTNERS
- Partner with 3C cathodic  
- Partner with Airport Lighting  
- Distributor Klaschka relays  
- Supply SAFT, Yuasa, Exide

### QUALITY APPROVALS & AWARDS
- ISO 9001:2008  
- SAA certification some products  
- IPD supplier Excellence Award 2007

## MEMKO PTY LTD

**www.memko.com.au**

Miro Miletic  
Managing Director  
MEMKO Pty Ltd  
455 Bourke Street, Melbourne VIC 3000  
Tel: +61 3 8605 7777  
Email: miro@memko.com.au

### CAPABILITIES
- Supply, maintenance and development of ISS solution using ENOVIA  
- Development and delivery of Technical Publications using 3DVIA Composer  
- Development and delivery of virtual training solutions using 3DVIA Composer  
- Provision of engineering services including modelling, simulation, and system engineering

### DISCRIMINATORS
- Significant track record in supporting defence primes  
- Highly capable and experienced staff  
- Cost competitive through utilisation of technology and efficient business processes  
- National coverage with offices in Melbourne, Sydney, Brisbane and Perth

### KEY CUSTOMERS
- Dassault Systems

### KEY PARTNERS
- ASC  
- AWID Alliance  
- Australian Maritime Safety Authority  
- BAE Systems

### QUALITY APPROVALS & AWARDS
- AS9100 Rev C  
- ISO 9001:2008  
- Dassault Systemes Accredited Solutions Partner  
- Dassault Systemes Accredited Education Partner

### MARITIME CAPABILITY AREAS

<table>
<thead>
<tr>
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<tr>
<td>ICT &amp; Software</td>
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<tr>
<td>Materials Technology</td>
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<td>Professional Services</td>
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</table>
### MILSPEC MANUFACTURING

**www.milspecmanufacturing.com**

*Medhat Wassef*

Business Development Manager, Defence

Milspec Manufacturing Pty Ltd

161-169 Fallon Street, Albury 2640

Tel:  +61 (0)429 400 382

Email: MedhatWassef@milspec-mfg.com.au

---

### MICRO PLANNING INTERNATIONAL

**www.microplanning.com.au**

*Raphael M. Dua*

CEO & Owner

Micro Planning International Pty Ltd

PO Box 7177, Melbourne VIC 3804

Tel:  +61 (0)418 531 111

Email: raf@microplanning.com.au

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### CAPABILITIES

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<tr>
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<tbody>
<tr>
<td>Electro/Mechanical Assembly</td>
</tr>
<tr>
<td>Racking Systems, Cabinets &amp; Enclosures</td>
</tr>
<tr>
<td>Cable Harness-design, manufacture &amp; test</td>
</tr>
<tr>
<td>Testing (CMM, Environmental, RF, EMC &amp; IP)</td>
</tr>
<tr>
<td>Precision CNC machining &amp; sheet metal</td>
</tr>
<tr>
<td>Surface finishing (Chromate, Powder Coating &amp; Wet Paint)</td>
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<tr>
<td>Mechanical, Electrical &amp; Electronic Design Capability</td>
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<table>
<thead>
<tr>
<th>MICRO PLANNING INTERNATIONAL</th>
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<tbody>
<tr>
<td>Colliers Class Submarines Construction</td>
</tr>
<tr>
<td>ANZAC Frigates Construction</td>
</tr>
<tr>
<td>Orion Submarine Refits</td>
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<tr>
<td>River Class Destroyer Refits</td>
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<tr>
<td>Location Based Management</td>
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### DISCRIMINATORS

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<tbody>
<tr>
<td>Proven Track Record in complex Defence Platforms</td>
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<tr>
<td>Providing Turn-Key solutions, with wide range of in-house electro mechanical capabilities</td>
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<tr>
<td>World wide product support &amp; ITAR Compliant</td>
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<tr>
<td>Exceptional Cable Harness design, manufacture &amp; testing</td>
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<thead>
<tr>
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<tbody>
<tr>
<td>Conforms to the project management standards AS4335, AS4317:2006, EAL_4ANZ 748-C</td>
</tr>
<tr>
<td>It handles multiple projects which may be located in several domains even in overseas countries</td>
</tr>
<tr>
<td>Fully Supported in Australia, Germany, US, UK, NZ and globally</td>
</tr>
<tr>
<td>Member of AIDN and DTC</td>
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### KEY CUSTOMERS

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<tbody>
<tr>
<td>BAE - Nulka Decoy Canister system. Complete man</td>
</tr>
<tr>
<td>Aust Dept of Defence - C4I Mountings &amp; Cables</td>
</tr>
<tr>
<td>Rheinmetall MAN - C4I instruments mountings</td>
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<tr>
<td>Thales - manufacture of Ship/Air Comms Units</td>
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<tr>
<td>Cockatoo Dockyard, Oberon refits and Nu Ship</td>
</tr>
<tr>
<td>ASC Collins Class Submarine Construction and</td>
</tr>
<tr>
<td>ANZAC Ship Project for Celciustech, Siemens</td>
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<tr>
<td>Jindalee Over the Horizon Radar for Telstra</td>
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### KEY PARTNERS

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</table>
MOOG
www.moog.com
Peter Heitmann
Sales & Business Development Manager
Moog Australia Pty Ltd
18 Corporate Drive Heatherton VIC 3202
Tel: +61 3 9561 6044
Email: info.australia@moog.com

CAPABILITIES
- Design (analytical) and manufacturer of precision motion control systems.
- Design and supply of motion simulation solutions including platforms and control loading (haptic) control.
- Design and manufacture of Electro-hydraulic actuation (Linear / Rotary).
- Design and manufacture of Electro-mechanical actuation (Linear / Rotary).

DISCRIMINATORS
- Design - manufacture of motion solutions for extreme (hazardous) environments.
- Design - manufacture of integrated solutions for electrical, optical and fluid rotary connectors.
- Design - manufacture of advanced electro-hydraulic servo systems including energy efficient hybrid solutions.

QUALITY APPROVALS & AWARDS
- ISO9001:2008
- Accredited Defense Recognized Supplier

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NAVANTIA AUSTRALIA
www.navantia.es
Juan de la Cueva
Senior Commercial Manager
Navantia Australia Pty Ltd
Level 2, 390 St Kilda Road, Melbourne VIC 3004
Tel: +61 3 9922 5400
Email: jidelacueva@navantia.es

CAPABILITIES
- Navantia Australia is Navantia’s branch in Australia which represents modernity and advancement in naval activity.
- Navantia is the designer and builder of the HMAS Canberra Class Ships and designer of the HMAS Hobart Class Ships.
- Navantia Australia is well established in Australia with offices in Victoria, South Australia and New South Wales.
- Navantia Australia is providing engineering and project management services for different projects in Australia.
- Navantia can design and build different naval platforms, including Frigates, Destroyers, OPVs, AORs and Submarines.

DISCRIMINATORS
- More than 250 years experience in design, construction, maintenance and conversion of Naval vessels.
- Complete capacity in design, development, production, integration to deliver fully operational vessels.

KEY CUSTOMERS
- SAGE Automation
- Shadbolt Engineering
- SMA
- NAVANTIA S.A.

QUALITY APPROVALS & AWARDS
- ISO 9001:PED/AGAP

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KEY PARTNERS
- MOOG INC.
NELSON GLOBAL PRODUCTS AUSTRALIA
www.nelsonglobalproducts.com
Malcolm Neylon
Regional Business Leader
Nelson Global Products Pty Ltd
48 Koornang Road, Scoresby VIC 3179
Tel: +61 3 9730 3700
Email: malcolm.neylon@nelsonglobalproducts.com

CAPABILITIES
- Tube bending products for heavy commercial on highway and off highway vehicle for OEM's and Aftermarket.
- Tube Bending from size 9 mm-178 mm 5 CNC bending machines, 6NC Semi Auto Benders
- Expertise in Stainless steel (30A, 316L, 409 and 904L), Aluminium, Mild Steel and AluminizedSteel
- Tube cutting- 10 band saws, 6 Cold Saws, Special Kaltenbach Cold saw for serpentine bends
- Weld Assembly- 6 Cells
- Liquid Paint Spray Booth - 6 meter x 4 meter wide
- High Pressure test bench & Cleanliness Test lab
- QA Facility with Romer Coordinate measuring arm

DISCRIMINATORS
- Bend Tooling-Multiple centre line radius's including 1”D' for common sizes
- Flexible manufacturing batch size 2- 200 pieces
- Design Support from Nelson Global US and India operations Quick turn around for prototypes and short lead time orders
- Global Sourcing for unique material types and sizes

KEY CUSTOMERS
- Nelson Global Products Inc., Wisconsin USA
- Owned by Wind Point Partners management team
- NGP Inc. has 17 manufacturing locations
- Other NGP sites US, Mexico, Brazil, China, India
- Cummins, Kenworth, Volvo, Western Star, Iveco
- Caterpillar, Terex, Air Radiator
- Tier 2 Supplier to Bombardier

QUALITY APPROVALS & AWARDS
- ISO 9001: 2008 (re-certified 28/04/2014)
- ISO 14001 (in Progress)

NOVA SYSTEMS
www.novasystems.com
John Godwin
Program Manager - Maritime
Nova Systems
L2, 95 Coventry Street, South Melbourne VIC 3205
Tel: +61 3 9024 1851
Email: john.godwin@novasystems.com

CAPABILITIES
- Maritime Test & Evaluation
- Sea Trials Planning & Conduct
- Combat & Platform Systems Engineering
- Safety, Certification & Seaworthiness
- Acquisition & Sustainment Logistics
- Project Assurance, Risk & Controls
- Ship/Helicopter Integration
- Capability Development

DISCRIMINATORS
- Market leaders in Maritime Test and Evaluation
- Knowledge and experience in Maritime capability acquisition and introduction to service
- Australian owned private company with global reach
- Wide breadth of engagement across majority of major capability acquisition programs in Australia

KEY CUSTOMERS
- GWH Aerospace (member of Nova Group)
- Australian Defence Force
- New Zealand Defence Force
- Raytheon
- ASC

QUALITY APPROVALS & AWARDS
- AS/NZ 4801
- ISO 14001
- ISO 9001

KEY PARTNERS
- GVH Aerospace (member of Nova Group)
- Cummins, Kenworth, Volvo, Western Star, Iveco
- Caterpillar, Terex, Air Radiator
- Tier 2 Supplier to Bombardier

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- New Zealand Defence Force
- Raytheon
- ASC
NOVENTUS
www.noventus.com.au
Keith Armstrong
Managing Director
Noventus Pty Ltd
L4, Suites 418-419, 566 St Kilda Rd Melbourne VIC 3000
Tel: +61 3 9077 8959
Email: keith.armstrong@noventus.com.au

CAPABILITIES
• Multi-Disciplinary Engineering (Systems, Software, Safety, Electrical, Combat, Marine & Mechanical)
• Multi-Disciplinary ILS (RCM, Spares Analysis, LORA, MRD, FMECA, CM, LSA, & SCM)
• V&V / Test and Acceptance - Planning & Execution

DISCRIMINATORS
• Current experience with Maritime technology providing multi-disciplinary Project Management, Engineering and ILS
• Reference sites on most Australian Naval platforms
• AWD, LHD, FFG, Amphibious & Afloat, Oilers, Hydrographic, Patrol Boats, Submarines & ANZACS

KEY CUSTOMERS
• CASG, RPDE, & DST Group
• BAE Systems, Thales, & Austal
• Lockheed Martin, ASC, & Elbit

QUALITY APPROVALS & AWARDS
• Deloitte Tech50 - Finalist
• Crowe Horwath Fastest Growing Comp. - Finalist
• CASSS, RPDE & SEA1000 IPT Panel Member

Palm Consolidated Pty Ltd
704 South Road, Moorabbin VIC 3189
Tel: +61 3 9555 7144
Email: robert.wilson@palmproducts.com.au

CAPABILITIES
• Plastic injection moulding
• Specialist in 2-shot moulding
• Specialist in instrument lens
• Plastic moulding design
• Plastic moulding project management
• Certified to TS16949, ISO9001, ISO14001

DISCRIMINATORS
• Flexible workforce able to be engaged on a Managed Service, Fixed Price or T&M basis
• 96% of consultants have active Defence security clearances
• National Reach - 5 States / 16 Sites

KEY CUSTOMERS
• Bosch (Australia, India, Hungry, Spain)
• Chassis Brakes(Australia, Thailand)
• Denso
• Consumer products exported worldwide

QUALITY APPROVALS & AWARDS
• ISO9001
• TS16949
• ISO14001
• Red-Dot Award, Good-Design Award (x2)
PENNANT AUSTRALASIA
www.pennantaust.com.au
David Stephan
General Manager
Pennant Australasia Pty Ltd
Suite 6, 334 Highbury Road, Mount Waverley VIC 3149
Tel: +61 3 9886 7977
Email: david.stephan@pennantaust.com.au

CAPABILITIES
- Integrated Logistics Support
- Logistics Support Analysis/Records
- Life Cycle Costing
- Level of Repair Analysis
- Spares Optimisation
- Computer Aided Instruction
- Part Task Trainers
- Simulators & Systems Emulators

DISCRIMINATORS
- Expert knowledge in the design, development, and implementation of logistics and training solutions.
- Global operations across Europe, North America, Australasia.
- Over 50 years experience delivering and supporting solutions to international defence forces and industry.
- Product life cycle solutions from design requirements, integration, application, through support.

QUALITY APPROVALS & AWARDS
- Letter of Recognised Supply
- Defence Recognised Supplier
- Government Endorsed Supplier

KEY CUSTOMERS
- Australian Defence Organisation
- BAE Systems Australia
- MBDA Australia
- Boeing Defence Australia
- SAAB Australia

MARITIME CAPABILITY AREAS
- Design
- Manufacturing & Fabrication
- Materials Technology

PENSKE POWER SYSTEMS
penskeps.com
Roger Gleeson
Manager Defence Programmes Group
Penske Power Systems Pty Ltd
488 Blackshaws Road, Altona VIC 3025
Tel: +61 2 8825 6100
Email: rgleeson@penskeps.com

CAPABILITIES
- Penske Power Systems is a leading distributor diesel and gas engines.
- We deliver power systems to the defence, maritime and land sector.
- Operating in dynamic markets on- and off-highway.
- State-of-the-art facilities.
- Representing brands including MTU, Detroit, Allison Transmissions, and much more.

DISCRIMINATORS
- Penske Power Systems works closely with the Australian and New Zealand defence, maritime and land sector.
- Provide customised propulsion and power generation solutions, and life-of-type support.
- Full range of diesel engines offer power from 75 to 9,000 kW.
- Engines used in patrol boats, frigates and other maritime platforms, armoured and tactical vehicles.

QUALITY APPROVALS & AWARDS
- AS/NZS ISO 14001:2004
- AS/ANZ 4801:2001

KEY CUSTOMERS
- MTU
- Detroit
- Allison Transmission
- Sauer & Sohn Compressors

KEY PARTNERS
- OEMs
- Australian Defence Land & Sea
- New Zealand Defence Sea
PHM TECHNOLOGY
www.phmtechnology.com
Chris Stecki
CEO
PHM Technology Pty Ltd
9/120 Queens Parade, North Fitzroy VIC 3068
Tel: +61 3 9482 2007
Email: cstecki@phmtechnology.com

CAPABILITIES
- Engineering analysis software (output ENG, RAM, ILS deliverables)
- Model based failure analysis (FMEA / FMECA generation)
- Model based Reliability Allocation and Reliability Analysis
- Model based diagnostic system design and validation (including diagnostic rules)

- Maintenance determination and optimization (RCM / B-RCM)
- Modeling and simulation analysis of Mission Profiles and their effects
- Modeling and simulation of Environmental Profiles and their effects
- Enables automated FRACAS / DCACAS

DISCRIMINATORS
- Model based simulation capabilities based on failure propagation
- Integration with Teamcenter PLM (data generation / transfer)
- Standardized taxonomy of functions and failures (process consistency)
- Experience with naval platforms and RAN projects

KEY CUSTOMERS
- Royal Australian Navy
- DMS Serco (Armidale Patrol Boats)
- US Army (TARDEC)
- US Navy (NAVSEA)

QUALITY APPROVALS & AWARDS
- SME Innovation Award (Pacific 2013)
- IBM R&D Award (AI4) 2009
- Letter of Recognised Supply

PRECISE ADVANCED MANUFACTURING GROUP
www.precise-amg.com
Greg Daye
Business Development Manager
Precise Global Pty Ltd
VIC Sales Office: 3 Midhurst Court, Craigieburn VIC 3064
Tel: +61 (0)409 964 540
Email: gdaye@precise-amg.com.au

CAPABILITIES
- Precision Machining & Assemblies
- Moulded, Cast & Stamped Parts
- Tooling, Jigs, Fixtures & Gauges
- Fabrication & General Engineering
- CAD / CAM

- Prototypes & Reverse-engineering
- Project Management
- Emergency Pipe Repair Solutions (pipe lever clamps)

DISCRIMINATORS
- Defence recognised supplier
- Local & offshore manufacturing
- Advanced Manufacturing knowledge
- Diverse manufacturing capabilities
- ISO Accreditation
- Highly Skilled & Flexible workforce

KEY CUSTOMERS
- BAE Systems: Weapons, Missiles Surveillance
- General Dynamics: Components for ASLV
- Babcock and Australian Submarine Corp
- Air Warfare Destroyer

QUALITY APPROVALS & AWARDS
- ISO9001/2008
- ITAR Approved (QPE Machining Division)
PRODUCTWISE
productwise.com.au
Peter Matherin
Director
ProductWise Pty Ltd
Level 3/673 Bourke St, Melbourne VIC 3000
Tel: 1300 88 69 80
Email: pm@productwise.com.au

CAPABILITIES
- Register of conforming product in Australian Market.
- Screening for product conformance.
- Product fit-for-purpose demonstration.
- Project inventory reporting.
- Product and service filtering.
- Product compliance verification.
- Product and service benchmarking.
- Voluntary demonstration of best practice.

DISCRIMINATORS
- A register of products that allows sorting, selection and reporting of products against pre-defined metrics.
- Product register demonstrating compliance to Australian regulation, standards, fit-for-purpose & code.
- Filters product and services against pre-defined metrics and/or unique discriminators.
- Members may select ‘approved’ product and services against custom parameters.

KEY CUSTOMERS
- Manufacturers of products.
- Professional services.
- Industry associations.
- Procurement services.

MARITIME CAPABILITY AREAS

<table>
<thead>
<tr>
<th>AREA</th>
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<tbody>
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<td>Through Life Support</td>
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</table>

PUMP TECHNOLOGY PTY LTD

Ashley Pinder
Director
Pump Technology Pty Ltd
45 Lakewood Boulevard, Braeside VIC 3195
Tel: +61 3 9587 9000
Email: ashley.pinder@pumptechnology.com

CAPABILITIES
- Design and development of centrifugal pumps, where performance, reliability or safety matter.
- In-house computational noise spectrum prediction software enables ultra low noise solutions.
- In-house computational fluid mechanics software enables specific performance achievement.
- Rapid high quality manufacture, components are machined from solid.
- Rotor dynamics analysis, design and balancing of complex rotor systems.
- Pump testing: Flows to 1000m3/h, heads to 500m, NPSH to 0m, Noise & Vibration

DISCRIMINATORS
- Pump Technology have over 25 years of marine experience in defence.
- Pump Technology have pumps specifically for marine service.
- Our submarine pumps are the quietest in the world
- TLS PLUS; From understanding applications, through harmonizing pump / system design and operating procedures.
- Customers evolving needs are actively met with advances in our products and services.

KEY CUSTOMERS
- ASC

MARITIME CAPABILITY AREAS

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QUALITY APPROVALS & AWARDS
- ISO 9001 as audited by ASC.
- Working towards accreditation
CAPABILITIES
- Maritime Advisory Services
- Integrated Logistics Support
- Naval Architecture, including Paramarine and SURWEN software
- Weapons & Explosive Ordnance Engineering
- FEA and CFD structural design and analysis
- Ship signature analysis, testing and design advice (Magnetic, Acoustic, Radar and IR)

DISCRIMINATORS
- Independent specialist technical advice
- Authorised Engineering Organisation
- Affordable, agile and flexible
- International reach through UK and US businesses
- Comfortable as Prime or sub-contractor within industry consortia - a true partnership approach

KEY PARTNERS
- QinetiQ Group plc
- Commerce Decisions
- OptaSense
- Cyveillance

MARITIME CAPABILITY AREAS
- Design
- Electrical & Electronics
- Engines & Propulsion
- Materials Technology
- Professional Services
- Systems Integration
- Through Life Support

QUALITY APPROVALS & AWARDS
- 2015 DMO/Industry Award for Minor Sustainment
- 2015 AIDN-ACT Young Achiever of the Year Award
- 2015 Defence Teaming Centre Employer of Choice - Finalist

QUARTEK PTY LTD
www.quartek.com.au
Matthew Goldstraw
Managing Director
Quartek Pty Ltd ATF The Quartek Unit Trust
700 Bourke St, Docklands, VIC 3008
Tel: +61 (0)449 264 289
Email: matthew.goldstraw@quartek.com.au

CAPABILITIES
- Finite Element Analysis - linear static, dynamic, thermal & buckling, as well as non-linear analysis.
- Structural Analysis - Classical stress analysis, both metallic and composite structures.
- Fatigue & Damage Tolerance Analysis - crack growth, through life support, fatigue stress & life prediction.
- Repairs - design & substantiation of both metallic and composite solutions.

DISCRIMINATORS
- Wholly owned and operated Australian company. Team consists of experienced engineers, highly regarded by industry leaders.
- Team has experience working with Global Primes, Tier 1 Suppliers, SME’s & Defence both locally and internationally

KEY CUSTOMERS
- AIDN
- Bristol Aero

MARITIME CAPABILITY AREAS
- Design
- Manufacturing & Fabrication
- Materials Technology
- Professional Services
- Research & Development
- Through Life Support

QUALITY APPROVALS & AWARDS
- ISO 9001:2008
RADIO FREQUENCY SYSTEMS
www.rfsworld.com
Jonathon Lyons
Business Development Manager - HF & Defence
Radio Frequency Systems Pty Ltd
38-40 Garden Street, Kilsyth VIC 3137
Tel: +61 3 9751 8577
Email: jonathon.lyons@rfsworld.com

CAPABILITIES
• RFS provides innovative, total-package solutions for communications infrastructure
• Technical performance that is best in class
• RFS offers a range of standard configurations. Non-standard requirements can be engineered to fit any situation
• Award winning design innovation

DISCRIMINATORS
• Strong history of array design with projects like JORN
• Array design for world first OTH radar
• Surface wave radar arrays
• Fully tailored innovative solutions available
• Full support from concept to commissioning to end of life
• Complete site design to minimise antenna interaction

QUALITY APPROVALS & AWARDS
• High Gain HF Antennas for long distance communications (up to 16 dB)
• Continuously rotatable Horizontal Log Periodic Antennas
• High Wind Ratings (Up to 130 mph)

KEY CUSTOMERS
• Department of Defence Australia
• Boeing Defence Australia
• Elbit Israel

KEY PARTNERS
• Alcatel Lucent
• LGS

MARITIME CAPABILITY AREAS
Design
Electrical & Electronics
Research & Development
Systems Integration
Through Life Support

MARITIME CAPABILITY AREAS
SUBJECT
COVERED

RAE-LINE
www.rae-line.com.au
Christian Carthew
Business Development Manager
Rae-Line Pty Ltd
Factory 5, 209 Liverpool Rd, Kilsyth VIC 3137
Tel: +61 3 9728 8300
Email: chrisc@rae-line.com.au

CAPABILITIES
• Interior vehicle soft trim manufacture
• Webbing products manufacture
• Sports padding solutions manufacture
• Canvas products manufacture
• Commercial upholstery
• Commercial re-upholstery

DISCRIMINATORS
• Dedicated CAD design team
• CNC cutting technology
• Smart manufacturing systems
• Export ready (parts/service)
• 50PPM
• 100% DIFO

QUALITY APPROVALS & AWARDS
• ISO 9001
• ISO 14001
• Emmy Award for Technical Achievement

KEY CUSTOMERS
• Kenworth
• Pyrotek

KEY PARTNERS
• Kenworth - interior trim
• Paccar - interior trim
• Iveco - interior trim
• Spotless - re-upholstery

QUALITY APPROVALS & AWARDS
• ISO9001:2008 ISC
• 50PPM Quality Control
• Supplier of the Year – Kenworth,Paccar,Iveco
• Premiers Sustainability Award

MARITIME CAPABILITY AREAS
SUBJECT
COVERED

Manufacturing & Fabrication

52
**REALM - SOLUTIONS FOR THE FUTURE**

www.realmsolution.com.au

Jeff Walsh  
Principal  
REALM Solutions (SA) Pty Ltd  
2/43 Westbury St, St Kilda VIC 3182  
Tel: +61 (0)421 685 327  
Email: jwalsh@realmsolution.com.au  

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**CAPABILITIES**

- Quality, Safety and Business System review, compliance audit & training  
- Systems definition, design, review and requirements management  
- Upgrade, acquisition, support, test & acceptance, and introduction into service  
- Specialty Engineering for Maintainability, Reliability, Availability, Compatibility & Productivity  
- Maintenance Engineering Analysis, Service Life Assessment, Life Extension & Shut Down  
- Logistics Support definition, analysis, determination, implementation, and life cycle management  
- Supportability and Sustainment Systems, Buildings & Infrastructure - Design and Delivery  
- Manufacturing & Production Readiness and Process Engineering  
- Training System - Requirements Analysis, Design, Delivery and Assessment  
- Business & Quality System - Definition, Review, Audit & Training  
- Project Management - Review, Training and Accreditation  
- Commercial Transformation & Business Cultural Change and Workforce Transition  

**DISCRIMINATORS**

- Specialist Vibro-Acoustic Applications - with state-of-the-art Instrumentation, Data Acquisition & Analysis,  
- Demonstrated Capability in Asset Condition Monitoring, Structural-Fatigue Life, & Reliability Centered Maintenance  
- Demonstrated Track Record in Defence & Secure Buildings, Infrastructure & Support Systems - Design & Delivery  
- Experienced in Design & Delivery of C4ISR on Communications, Radar, Security & Electronic Warfare sub-systems  

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**MARITIME CAPABILITY AREAS**

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**KEY CUSTOMERS**

- Resonate Systems Pty Ltd  
- Kneedeep Training RTO  
- AOC International - Electronic Warfare  
- STM Consulting / InterConnect Communications  

**QUALITY APPROVALS & AWARDS**

- ISO9001 Quality Auditor  
- Pre-qualified in Project Management  
- Pre-qualified in Training & Assessment  

---

**RED BARON ALSE**

www.redbaronalse.com

Greg Bayne  
Managing Director  
Bayne Group Pty Ltd  
Hanger 17 John Duigan Drive, Yarrawonga VIC 3730  
Tel: +61 3 5744 2166  
Email: greg@redbaronalse.com  

---

**CAPABILITIES**

- Aviation/Marine Flight Helmets, Sales, service, repair, upgrade. Latest innovation in safety & comfort technology  
- Customise communications for marine/aviation helmets & headsets incl noise reduction systems - ANR & CEP  
- Flight clothing, Range of Nomex goods; flight suits, gloves, skull caps  
- Premium Life Vests, Life Rafts & Anti-Exposure Suits. Customised for your project with OEM & R&D support  
- Full Survival Kit assembled to your requirements incl PLB, Flares, Signal Mirror, Survival Knife etc  
- Aviation/Marine NVG Accessories. Sales, support and service eg. Mike Lite, Finger Lite etc  
- Ability to supply and custom size & fit a range of quality ALSE equipment from one Australian Vendor  
- Aviation Life Support Consultancy. Individual project management of ALSE products & services  

**DISCRIMINATORS**

- Australian stockist of ALSE equipment. Minimise lead time  
- Security cleared project manager  
- Dedicated Switlik Technical Sales Advisor  
- 29 years of Defence aviation life support experience  
- Defence approved supplier (Z0LY2)  

**KEY CUSTOMERS**

- Major Helicopter Companies  
- Australian Government - Federal & State  
- Defence Primes  
- Australian Government - Civil  
- Department of Defence  

**QUALITY APPROVALS & AWARDS**

- Approved ACR Battery Replacement Centre  
- ACMA Compliance Import License  
- Finalist "Innovation“ Moira Business Awards  
- Defence approved supplier (Z0LY2)  

---

**PRODUCTS**

**SERVICES**

---

**REALM - SOLUTIONS FOR THE FUTURE**

www.realmsolution.com.au

Jeff Walsh  
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**KEY CUSTOMERS**

- BMT Design & Technology  
- Australian Rail Track Corporation  
- Aurecon Australia Ltd  
- Defence Science Technology Group  

**QUALITY APPROVALS & AWARDS**

- ISO9001 Quality Auditor  
- Pre-qualified in Project Management  
- Pre-qualified in Training & Assessment  

---

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www.redbaronalse.com

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Managing Director  
Bayne Group Pty Ltd  
Hanger 17 John Duigan Drive, Yarrawonga VIC 3730  
Tel: +61 3 5744 2166  
Email: greg@redbaronalse.com  

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**CAPABILITIES**

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- Flight clothing, Range of Nomex goods; flight suits, gloves, skull caps  
- Premium Life Vests, Life Rafts & Anti-Exposure Suits. Customised for your project with OEM & R&D support  
- Full Survival Kit assembled to your requirements incl PLB, Flares, Signal Mirror, Survival Knife etc  
- Aviation/Marine NVG Accessories. Sales, support and service eg. Mike Lite, Finger Lite etc  
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- Australian Government - Civil  
- Department of Defence  

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- Approved ACR Battery Replacement Centre  
- ACMA Compliance Import License  
- Finalist "Innovation“ Moira Business Awards  
- Defence approved supplier (Z0LY2)  

---
### REFUEL INTERNATIONAL

**www.refuelin.com**

Mark Smith  
Commercial Manager  
Sunshine Refuellers Pty Ltd  
602-606 Somerville Road, Sunshine West VIC 3020  
Tel:  +61 3 8311 6600  
Email: mark.smith@refuelin.com

#### CAPABILITIES
- Design and Manufacture Aviation Refuelling Equipment  
- Design and Manufacture Fuel handling pumping systems  
- Design and Manufacture Marine Bunkering vehicles  
- Supply specialised fuel additive injection systems & loading arms  
- Supply aviation refuelling spare parts  
- Offers local and international support & maintenance

#### DISCRIMINATORS
- Vehicles and equipment can be fault found remotely from anywhere in the world  
- Customised designs  
- Offers international support in S.E. Asia  
- Compact vehicles and systems

#### KEY CUSTOMERS
- Pertamina  
- Petronas  
- ADS Defence Force  
- NZ Defence Force

#### QUALITY APPROVALS & AWARDS
- ISO 9001 Accredited  
- Defence Recognised Supply Scheme  
- High Performance Accreditation Award - AAVP

---

### RONSON GEARS

**www.ronsongears.com.au**

Gavin New  
Marketing Manager  
Ronson Gears Pty Ltd  
18 Teton Crt, Highett VIC 3190  
Tel:  +61 3 9276 8900  
Email: sales@ronsongears.com.au

#### CAPABILITIES
- CNC gear cutting of spur and helical gears  
- CNC gear grinding of spur and helical gears  
- CNC gear metrology  
- CNC rack milling  
- Bevel gear cutting  
- Complete in house machining capability (turning, milling & grinding)  
- Automated CNC gear cutting for production runs

#### DISCRIMINATORS
- Australia's only AS9100C accredited gear manufacturer  
- Proven track record into defence programs  
- 60 years experience in the gearing industry  
- Members of the American Gear Manufacturers Association  
- Eurotrans, Europe’s gear association  
- Ability to manufacture to high quality standards (AGMA 2000: 12+)

#### KEY CUSTOMERS
- American Gear Manufacturers Association  
- ADIN  
- Eurotrans (Europe’s gear association)  
- Team Defence Australia

#### QUALITY APPROVALS & AWARDS
- AS9100C  
- ISO9001:2008  
- BAE Systems approved supplier  
- Significant Achievement Award 2013

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### MARITIME CAPABILITY AREAS

<table>
<thead>
<tr>
<th>ELECTRONICS</th>
<th>MANUFACTURING &amp; FABRICATION</th>
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### ELECTRONICAL & ELECTRO-MECHANICAL SYSTEMS

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### ENGINES & PROPULSION

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### MANUFACTURING & FABRICATION

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<th>MANUFACTURING &amp; FABRICATION</th>
<th>SYSTEMS INTEGRATION</th>
<th>THROUGH LIFE SUPPORT</th>
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RPC TECHNOLOGIES
www.rpcotechnologies.com
James Zegir
Business Development Manager
RPC Technologies Pty Ltd.
285 Heales Road, Corio VIC 3214
Tel: +61 (0)434 301 038
Email: james.zegir@rpcotechnologies.com

CAPABILITIES
• Composites Design
• Composites Manufacture
• Composites Repair
• Sonar Dome manufacture and sustenance for ANZAC Frigates
• Composite hand rails for LHD
• Composite Yard Arms
• Composite Flag bins LHD

DISCRIMINATORS
• RPC Defense is a member of the Australian Industry and Defense Network (AIDN) and ISO 9001 accredited.
• Using established design, manufacturing and repair techniques. RPC Defense can survey and repair structures and manufacture, maintain and recondition military equipment in composite and metal material.

KEY CUSTOMERS
• Thales Underwater Systems
• ASC
• BAE systems
• DoD

QUALITY APPROVALS & AWARDS
• ISO9001:2008

SELEX ES AUSTRALIA PTY LTD
www.selex-es.com
Julian Day
VP Sales & Business Development
Selex ES Australia Pty Ltd
19 Rocklea Drive, Port Melbourne, VIC 3207
Tel: +61 3 9698 0426
Email: julian.day@selex-es.com.au

CAPABILITIES
• Systems Engineering including design, development & integration
• Complex Project/ Program Management & ILS
• An International supplier of Electronic & Information Technologies for Defence Systems
• Sub-Contract Management

DISCRIMINATORS
• Part of the Finmeccanica group of Companies
• Staff cleared to “Australian Secret”
• Full Member of the Defence Industrial Security Program (DISP)
• Melbourne Facility is certified to hold and produce material up to “Australian Secret”
• The application of advanced composite materials for weight reduction, corrosion resistance, ballistic protection and reduced detection are areas of particular relevance to sea, land and air defense systems.
• Composite doors and hatches for composite naval vessels
• Manufacturing, maintenance and rehabilitation of military equipment
• Marine sonar windows and domes

KEY CUSTOMERS
• Thales Underwater Systems
• ASC
• BAE systems
• DoD

QUALITY APPROVALS & AWARDS
• Fully Integrated Communication Systems (FICS) and Sub-systems Combat Management Systems (CMS)
• ISO9001:2008
• Thales Underwater Systems
• ASC
• BAE systems
• DoD

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KEY CUSTOMERS
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QUALITY APPROVALS & AWARDS
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QUALITY APPROVALS & AWARDS
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MARITIME CAPABILITY AREAS

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CAPABILITIES

- Kestrel Maritime VIDAR - Visual Detection And Ranging of small objects on the ocean
- Automated Wide Area Motion Imagery (WAMI) solution for EO/IR video
- Real time detection and classification of small objects in water

DISCRIMINATORS

- Increase search coverage 80 times over existing EO/IR sensors
- Integrated with both manned and unmanned aircraft
- Detects objects with little/no electronic signature
- Easy to integrate into existing missions systems
- Operates up to sea state 5

KEY PARTNERS

- AeroVironment
- FLIR
- Wescam
- Boeing

QUALITY APPROVALS & AWARDS

- ISO9001
- Maritime Australia Civil Innovation Award 2013
- DSTO CTD Program
- DMO - PIC-IP Program

SHADBOLT ENGINEERING PTY LTD

www.shadbolt.com.au

John Wardell
Business Development Manager
Shadbolt Engineering Pty Ltd
5-7 Apollo Drive Hallam Vic 3803
Tel: +61 3 9702 4200
Email: john.wardell@shadbolt.com.au

CAPABILITIES

- Contract Maintenance and Shut Down Expertise.
- Sophisticated Assembly & Commissioning
- In House Specialist Welding Technology
- Site Installation & Maintenance
- End to End Project Management - in-house and on-site

DISCRIMINATORS

- General & Specialised Fabrication & Machining in all materials
- Ship building & Repair, Hot work, Mechanical work & Fit out Boilermakers, Coded welders, Pipe Fabrication

KEY PARTNERS

- AIDN
- Navantia
- MacTaggart Scott
- Australian Paper Maryvale

QUALITY APPROVALS & AWARDS

- AS/NZS ISO 9001-2008
- SC21(Supplier Continuous Improvement Program)
SIEMENS LTD  
Andrew Seal  
Head of Defence/Marine  
Siemens Ltd  
885 Mountain Highway, Bayswater VIC 3153  
Tel: +61 3 9721 7554  
Email: andrew.seal@siemens.com

**CAPABILITIES**
- Simatic S7/PCS7 Platform Automation Fully Integrated Systems for surface and subsurface vessels
- Hybrid/Diesel Electric Propulsion Solutions for surface and subsurface vessels
- Ships electrical networks and management systems for surface and subsurface vessels (LV/MV/HV)
- Submarine Air Independent Propulsion solutions (PE Fuel Cells)
- eSIPPO, Siemens electrical podded propulsion solutions
- EcoProp, electrical propulsion solutions for small ships
- Siemens PLM Teamcenter design and through-life support management software
- International/National Service Support facilities for navies

**DISCRIMINATORS**
- Permasyn Submarine Propulsion Motor, operational since 2000 with 20 boats commissioned.
- PEM fuel cell operational since 2004
- eSIPPO Electrical Podded Propulsion as fitted to Canberra Class LHDs
- 170 submarines contracted since 1960, in excess of 100 boat systems in operation

**KEY PARTNERS**
- TKMS
- MTU
- DST Group
- Royal New Zealand Navy

**KEY CUSTOMERS**
- TKMS
- Royal New Zealand Navy
- Navantia
- Austal

**QUALITY APPROVALS & AWARDS**
- ISO9001
- AIDN Member

**MARITIME CAPABILITY AREAS**
- Design • •
- Electrical & Electronics • •
- Engines & Propulsion • •
- ICT & Software • •
- Research & Development • •
- Systems Integration • •
- Through Life Support • •

SIMUSERV  
www.simuserv.com  
Gerd Diegelmann  
Managing Director  
Simuserv Pty Ltd  
L 1/123 Camberwell Rd, East Hawthorn VIC 3123  
Tel: +61 3 9889 5615  
Email: gerd.diegelmann@simuserv.com

**CAPABILITIES**
- Supply & support a scalable portfolio of realistic simulation solutions from the “SIMULIA Abaqus” product suite
- Multiphysics solutions for insight into challenging engineering problems & life cycle management solutions
- Consulting services in the field of Computer Aided Engineering (CAE) & structural Finite Element Analysis (FEA)
- Solving unusual & complex problems, successful delivery on projects that were previously considered extreme

**DISCRIMINATORS**
- Established in 2002, Australian & New Zealand partner for the Dassault Systemes SIMULIA brand and Abaqus solution
- All our staff are highly qualified totalling over 80 years of technical experience in simulation consulting
- Capable of small consulting projects through to management of large on-site programmes involving teams of analysts

**MARITIME CAPABILITY AREAS**
- Design • •
- ICT & Software • •
- Materials Technology • •
- Professional Services • •
- Research & Development • •

**KEY PARTNERS**
- Dassault Systemes

**KEY CUSTOMERS**
- Australian Defence Force Academy (ADFA)
- ANSTO and CSIRO
- DST Group
- CASG
SKF AUSTRALIA PTY LTD
WWW.SKF.COM.AU
Vinish Kumar
Contracts Manager
SKF Australia Pty Ltd
17-21, Stamford Road, Oakleigh VIC 3166
Tel: +61 3 9269 0820
Email: Vinish.kumar@skf.com

CAPABILITIES
- Design and Manufacturing of Bearing and Bearing Accessories
- Lubrication Systems
- Mechatronics Products
- Static and Dynamic Seals
- Engineering Services Power Transmission Products

DISCRIMINATORS
- Supplier to Australian Defence
- ITAR Compliant
- DGMO (Long) Recognised Supplier
- Global Maritime Supplier

KEY CUSTOMERS
- ASC/ALWD
- BAE-LAND M113
- BABCOCK
- MAC TAGGART SCOTT

QUALITY APPROVALS & AWARDS
- ISO9001
- AS89100
- SIX SIGMA CULTURE

MARITIME CAPABILITY AREAS

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SPECIALISED COMPOSITE COMPONENTS
WWW.COMPOSITESCONSTRUCTIONS.COM.AU
Stephen Campbell
Director
Specialised Composite Components Pty Ltd
57 Macbeth St, Braeside VIC 3195
Tel: +61 3 9587 8555
Email: steve@compositesconstructions.com.au

CAPABILITIES
- 25 meter Climate Controlled Paint Facility
- Pressure Molding
- Vacuum Assisted Resin Transfer Molding
- Ambient Curing Wet Layup
- Prepreg Patter making
- Prototyping

DISCRIMINATORS
- Ability to provide solutions to meet customer requirements
- Wide range of size capabilities
- Quick Turnaround times for customer orders
- Creative approach to new techniques
- Quality and professionalism of products and services
- Over 25 years of expert knowledge of composites materials
- Financially Secure

KEY CUSTOMERS
- Gurit
- Nuplex
- ATL Composites

QUALITY APPROVALS & AWARDS
- ISO 9001 Reg No 50000025
- Committed to AS9700

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SRX GLOBAL
www.srxglobal.com
Sam Papadopoulos
Business Development Manager
Srxglobal Pty Ltd (Australia)
8-10 Kitchen Rd, Dandenong VIC 3175
Tel: +61 3 9212 4222
Email: sam.papadopoulos@srxglobal.com

**CAPABILITIES**
- Provider of Electronic Manufacturing Services
- PCB assembler Box Build assembler
- Environmental test capabilities
- Conformal coating
- Rack Wiring and assembly

**DISCRIMINATORS**
- SRXglobal is the largest electronics contract manufacturer in Australia
- Manufacturing sites in Australia and Malaysia
- Rapid prototyping facilities
- Tier-1 EMS operational excellence in complex, high-mix, low to medium volume manufacturing

**KEY CUSTOMERS**
- Lockheed Martin
- Thales
- Northrop Grumman
- BAE

**QUALITY APPROVALS & AWARDS**
- ISO9001, ISO13485, ISO14001
- Victorian Large Manufacturing Winner 2014
- ITAR training
- Build to IPC 610F Class 1-2-3

SYPAQ SYSTEMS PTY LTD
www.sypaq.com.au
Amanda Holt
CEO
SYPAQ Systems Pty Ltd
Level 5, 441 St Kilda Rd, Melbourne VIC 3004
Tel: +61 3 9867 2565
Email: aholt@sypaq.com.au

**CAPABILITIES**
- Founded in 1992, Australian owned, operates throughout Australia and Asia, 100+ employees
- Advanced professional consulting, systems integration and support services in the Defence and Aerospace domains
- Services include:
  - Maritime C4ISR systems integration services
  - Project & Program Management; Capability Definition Development, Acquisition and Sustainment Logistics

**DISCRIMINATORS**
- Australian representative for UTC Aerospace Systems (UTAS)
- Proven methods and procedures compliant with ISO, USA and NATO Standards
- Supplier of the Arcturus JUMP20 UAS capability - Tier II, High Performance, High Payload, Versatile, VTOL MTUAS
- Maritime Intelligence PED System:
  - Full motion video (stored & live) and still image (satellite)

**KEY CUSTOMERS**
- UTC Aerospace Systems (formerly Goodrich)

**QUALITY APPROVALS & AWARDS**
- ISO 9001:2008 Certified by Lloyd’s Registry
- Member, Defence Industrial Security Program
**TELE-MAC CABLE CO. PTY LTD**

John McLaren
Director
Tele-Mac Cable Co. Pty Ltd
Unit 56/266 Osborne Ave, Clayton South VIC 3169
Tel: +61 3 9551 2160
Email: j.mclaren@telemac.com.au

**CAPABILITIES**
- Mil-Spec/aviation electrical cable & harness assemblies manufactured to specification
- Mil-STD 810E nitrogen/air heat gun maintenance & support
- V444 series cables repairs & support
- Military cabling repairs & refurbishment
- Hi-Pot electrical testing facilities

**DISCRIMINATORS**
- Rapid response for prototyping cable assemblies
- Complete traceability on all parts/works
- 100% testing on all works
- 15 years military cabling experience
- Cage code Z0HJ3

**MARITIME CAPABILITY AREAS**

| Electrical & Electronics | 1 |

**KEY CUSTOMERS**
- Harris Australia (Exelis-C4i)
- Defence DMO AMSPO
- Redflex Traffic Systems
- Rockwell Collins Australia

**QUALITY APPROVALS & AWARDS**
- ISO-9001:2008
- J-STD-001
- IPC/WHMA-A-620

---

**THE PAC GROUP**

Stephen Martin
Business Development Manager
PAC Project Advisors Pty. Ltd
Unit 4, 95 Salmon St., Port Melbourne VIC 3207
Tel: +61 3 9645 6625
Email: stephen.martin@pacgroup.com

**CAPABILITIES**
- Vehicle Engineering Design & Development
- Project Management
- Technical Documentation
- Manufacturing Engineering
- Process Design and Optimisation

**DISCRIMINATORS**
- Demonstrated client focus delivers value for money with on time delivery.
- A demonstrated record of delivering diversified engineering & integration advisory services to a high level.

**THE PAC GROUP**

www.pacgroup.com

**KEY CUSTOMERS**
- MMG Limited
- Toyota Motor Company
- General Motors Australia
- Thales - Bushmaster

**QUALITY APPROVALS & AWARDS**
- ISO 9001

---

**MARITIME CAPABILITY AREAS**

| Design | X |
| Manufacturing & Fabrication | X |
| Professional Services | X |
| Systems Integration | X |
| Through Life Support | X |

**KEY PARTNERS**
- The PAC Group - Worldwide
TR VMS
www.trvms.com.au
David Brady
Sales Engineer
VMS International Pty Ltd
18 Joseph Street, Blackburn North, VIC 3130
Tel: +61 (0) 432 751 191
Email: david.brady@trvms.com.au

VERSALUX
www.versalux.com.au
Bruno Campisi
Business Development - Maritime & Defence
Versalux Pty Ltd
28 Edgerton Road, Mitcham VIC 3132
Tel: +61 3 8878 2000
Email: bcampisi@versalux.com.au

**CAPABILITIES**

TR VMS
- Approved Australian agent -service and distribution of GE Measurement and Control, Pressure and Aerospace products
- Approved Australian agent for Service and distribution of Barfield Aviation Ground Support Test Equipment
- Service of GEC Aircraft / Truck Scales, Megger Electrical & Stahlwille Torque Products, and other test equipment
- Rental of Test Equipment from Tech Rentals, and rental of communications equipment from TR Hirecom

VERSALUX
- Innovative LED Lighting Solutions for the whole of ship
- Conventional and LED Lighting to Maritime, Navy and Military Standards
- Internal Lighting - Cabins, Mess, Stores, Offices, Passageways, Machine Rooms, Magazines, Emergency Lighting
- External Lighting - Walkways, Flood Lights, Dress Lights, Navigation Lights, Signaling & Search Lights

**DISCRIMINATORS**

TR VMS
- Nata accredited Calibration Laboratory, Calibration of Test and Measurement Equipment, in measurements of; Pressure (to 83 MPa - NATA) and Vacuum, Temperature (-40°C to 650°C - Nata) and Humidity, Electrical, Electronic, Communications, Frequency (to 18 GHz - Nata) and Time, Torque (1500 Nm- Nata), Dimensional, Force and Tension, Weights and Scales, Vibration, High Voltage (100 kV dc and 75kVac ), and Electrical Standards.
- Long history of support to Defense, Aerospace, and Major Defense Contractors
- Currently providing calibrations to Defense Prime for support of Australian Defense Force
- Proven track record - continuously better than 98% of items returned within agreed turnaround time to Defense Prime
- Nata accredited ISO17025 scope in many areas of measurement

VERSALUX
- Expert Lighting Engineers & Designers satisfying the most demanding specifications and lighting requirements
- 3D Lighting Design Service
- Installation and Through-life Support, including Obsolescence Management

**KEY PARTNERS**

TR VMS
- Raytheon Australia, Calibration and Repair
- TAE, Calibration and Repair of Test Equipment
- Airbus, Calibration and Repair
- BAE, Calibration and Repair

VERSALUX
- Glamox Aqua Signal
- Siemens

**QUALITY APPROVALS & AWARDS**

TR VMS
- ISO9001, Quality Management System
- ISO17025, for the competence of Testing Labs

VERSALUX
- In country stores, assembly, manufacture and competencies for OEM Lighting Solutions
- Authorised Distributor and OEM for Glamox Aqua Signal

**MARITIME CAPABILITY AREAS**

TR VMS
- Through Life Support

VERSALUX
- Defence Recognised Supplier
- Authorised OEM for ISO9001 Manufacturers
WALLENIUS WILHELMSEN LOGISTICS
www.2wglobal.com
David Maggs
Manager - Integrated Solutions
Wallenius Wilhelmsen Logistics Pty Ltd
1-7 Link Way, Laverton North, VIC 3026
Tel: +61 3 8605 8000
Email: david.maggs@2wglobal.com

CAPABILITIES
- Fully Integrated Supply Chain Solutions to move equipment intrastate, interstate and across the globe
- Ocean transportation with 57 modern PCTC and RORO vessels servicing 12 trade routes to six continents
- Processing Centres with services including paint, cleaning, dismantle, assembly, storage & parts management

DISCRIMINATORS
- Experienced logistics professionals - transporting 4.3 million units per annum
- Global reach with offices in Australia, New Zealand, Asia, Europe, North and South America and Africa
- WWL’s Quality Policy is ISO 9001:2008 compliant
- Award winning company
- Over 100 years in the Australian market

KEY CUSTOMERS
- Wallenius Wilhelmsen Logistics AS
- Armacup/EUKOR
- American Roll-on Roll-off Carrier (ARC)

WAY OUT EVACUATION SYSTEMS
www.wayout.com.au
Cassandra Sullivan
General Manager
Way Out Evacuation Systems Pty Ltd
PO Box 250 Brighton VIC 3186
Tel: 1 800 WAY OUT
Email: cassandra@wayout.com.au

CAPABILITIES
- Low Location Lighting: designed for red light mode, ANEP-77, SOLAS, IMO, NSC compliant; 25 yr warranty
- Signage: all types; Safety/Regulatory, Wayfinding, ID, Promote; Photoluminescent, vitreous enamel, engraved, etc.
- Stair nosings: standard, luminous, LED, anti slip crystal
- Slip Resistant Crystal Coatings: robust, resilient, colour matched; used for surfaces, line markings

DISCRIMINATORS
- Products designed for red light mode: low location lighting and signage, etc.
- Luminous ink ‘Lumink®: outlasts and outperforms any alternative photoluminescent technology
- Printing onto virtually any substrate
- Robust and resilient products: e.g. 25 year warranties
- Customised manufacturing to suit application

KEY CUSTOMERS
- Sakerheiptpartner
- On The Edge Stairnosings
- Parken Engineering
- Material Solutions Australia

QUALITY APPROVALS & AWARDS
- Environment ISO 14001
- DAFF Appreciation Award 2014
- John Deere Partner-Level Supplier 2015

QUALITY APPROVALS & AWARDS
- Safety rating: anti slip; wide range of materials, sizes, thicknesses; standard, luminous, LED
- Risk Management & Contingency Planning Platform: scalable, graphical interface, control/manage key data & processes
- Consulting and Auditing: Safety, Regulatory & Compliance
- Industrial Tapes: exhaustive range

WAYOUT EVACUATION SYSTEMS
www.wayout.com.au
Cassandra Sullivan
General Manager
Way Out Evacuation Systems Pty Ltd
PO Box 250 Brighton VIC 3186
Tel: 1 800 WAY OUT
Email: cassandra@wayout.com.au

CAPABILITIES
- Safety rating: anti slip; wide range of materials, sizes, thicknesses; standard, luminous, LED
- Risk Management & Contingency Planning Platform: scalable, graphical interface, control/manage key data & processes
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- Robust and resilient products: e.g. 25 year warranties
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- On The Edge Stairnosings
- Parken Engineering
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- Consulting and Auditing: Safety, Regulatory & Compliance
- Industrial Tapes: exhaustive range
YTEK
www.ytek.com.au
Richard Yanieri
Managing Director
YTEK Pty Ltd
L1, 231B High St, Ashburton VIC 3147
Tel: +61 (0)419 027 128
Email: info@ytek.com.au

CAPABILITIES
- Marine computational fluid dynamics (CFD)
- High Performance Computing (HPC) for engineering simulation
- Software development for advanced engineering applications
- Developer of the HALCYON CFD software

DISCRIMINATORS
- Extensive industry experience
- Specialist expertise in HPC and CFD
- Independent R&D
- 20 Yr Defence experience track record
- DISP accredited

KEY PARTNERS
- SGI
- Deakin Uni CISR

KEY CUSTOMERS
- DST Group
- RPDE

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QUALITY APPROVALS & AWARDS
- Vic Gov Tech Innovation Voucher 2015
Credits & Acknowledgements

The Victorian Defence Alliance - Maritime capability directory is jointly supported by the Victorian Government and the Australian Industry & Defence Network - Victoria (AIDN-Vic)

For further information contact AIDN-Vic:
Alliance Manager
aidnvic@aidnvic.org.au
www.aidnvic.org.au

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Parliament House image: Shutterstock © All Rights Reserved.

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HMAS CANBERRA DURING CONSTRUCTION - WILLIAMSTOWN, VICTORIA

The Canberra Class Landing Helicopter Dock ship during its construction at BAE Systems Williamstown shipyard with Melbourne’s skyline in the background. BAE Systems is the Prime Contractor on the LHD project (Joint Project 2048 Phase 4A/4B) and works in close cooperation with subcontractors Navantia, Saab and L-3 Communications. The Canberra Class is currently undergoing sea trials and will deliver the Australian Defence Force a massive boost to its maritime and amphibious capability. The two LHDs will enable the ADF to combine sea, air and ground forces for humanitarian assistance or evacuation, stabilisation and reconstruction operations, presence and deterrence, policing operations, special recovery operations and conflicts.