



Department of  
Jobs, Tourism, Science  
and Innovation

**DEFENCE**  
**WEST** 

# WA defence capability

## INDO Pacific 2022



## A Message from WA's Minister for Defence Industry

Hon Paul Papalia CSC MLA



The Western Australian Government is an active supporter of our local defence industry and is proud to showcase the State's world-class defence organisations at INDO Pacific 2022.

More than 20 WA organisations have joined us on the Defence West stand this year – an example of the State's strong and diverse maritime capability.

This is an exciting opportunity for WA small and medium-sized enterprises (SME's) to showcase their cutting –edge innovations and new technology on an international stage. The businesses on the Defence West stand are active in a wide range of areas, from

developing autonomous underwater systems, minor vessel design and construction, to mission-critical communication and satellite data.

A number of high-profile WA businesses also have their own stands in this year's exhibition and I look forward to helping promote their capabilities.

As Western Australia's Minister for Defence Industry and with a dedicated team at Defence West, I am committed to making a strong, united case to secure more opportunities in key defence supply chains and supporting the continued growth of WA's defence industry.

## Contact Defence West

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 [instagram.com/likenootherwa/](https://instagram.com/likenootherwa/)

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## COMPANY / CAPABILITY OVERVIEW

### VALUE PROPOSITION

- We make maintenance on your operation safe, efficient and easy

- Design, engineering and fabrication
- On-site consulting and 3D scanning to enable intelligent design
- Access platforms and scaffold elimination
- Work stands
- Equipment and material storage and handling solutions
- Workbenches and tool storage
- Site maintenance and upgrades
- Container fit-outs

### CAPABILITY

- Design
- Engineering
- Fabrication and manufacturing

### Contact

**Andrew Fawkes**

08 9459 8600

[andrew@bendtechgroup.com.au](mailto:andrew@bendtechgroup.com.au)

2-10 Kewdale Road, Welshpool, WA, 6106

## COMPETITIVE DISCRIMINATORS

- In-house design, engineering team with over 15 internal team members
- 3D scanning, scoping and processing capabilities
- 9000 square metres of fabrication facilities
- 80 tonne lifting capability, 20 metre underhook lift
- Our Australia-wide consultation team and processes with over 10 team members
- Dedicated research and development department and 3D printing capabilities

## CERTIFICATIONS / ACCREDITATIONS

- ISO9001:2015
- LEAN
- Design, engineer and manufacture in accordance with Australian Standards

## PARTNERS & CUSTOMERS

### Mining and Energy

- BHP
- Rio Tinto
- Fortescue Metals Group
- Chevron
- Woodside
- Inpex

### Defence

- BAE Systems
- Rheinmetall
- Babcock
- Australian Government Department of Defence
- Austal Ships
- Raytheon



**Blacktree Technology  
Pty Ltd**

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Belmont, WA 6104  
Australia**

**P: +61 8 6245 2120**

**E: admin@blacktree.com.au**

## CAPABILITIES

*System solutions from the  
"back of the radio to the tip of the antenna".*

Blacktree specialises in mission-critical communication solutions in urban, remote and harsh operating environments, drawing on our knowledge of technologies including:

- **Narrow-Band and Wide Band Satcom** – UHF, L , C, X, Ku, Ka bands; Satcom-On-The-Move (SOTM); Satcom-On-The Pause (SOTP)
- **Terrestrial Communications** – Commercial HF, VHF, UHF systems; licensed and public spectrum microwave; DSL, fibre, broadband radio and LTE systems
- **RF Components Manufacturing** – UHF helical antennas, redeployable Bifilar helical antennas, antenna pedestals, bandpass filters and diplexers
- **Monitoring and Management Systems** – RF Isolation switches, RadHaz management, RF power sensors, directional couplers

Blacktree provides full vertical system integration including:

- **Design** – Collaborative solution identification; systems engineering; technology selection, product development for specific project challenges
- **Delivery** – Project management; procurement and manufacturing; system build, integration and testing; installation and commissioning
- **Sustainment** – Through life system maintenance and support, support for legacy and orphan products; obsolescence management; customised training for operators and maintainers.

## DISCRIMINATORS

*Vertical systems integrator for all UHF Satcom technologies*

- Sole IP holder of 'Spirit River' and 'Cidaal Electronic' technology
- **Flexible and collaborative solutions:**
  - Technology agnostic and experienced with a range of new and legacy products
  - Able to provide full or part system life-cycle design
- Demonstrated **defence and security ethos**
- **Unique Australian sovereign capability** for highly specialised UHF narrow-band Satcom communication technologies

## KEY CLIENTS AND PARTNERS

*Global cross-industry client base*

We provide direct and subcontracted services to clients such as:

- **Australian Defence** - Capability Acquisition & Sustainment Group, Interim sustainment of JP2008 Ph5A UHF SATCOM and operational units
- **Global Defence Prime Contractors**
- **Domestic and International governments** – Product sales and sustainment within UK, USA, Germany, Italy, Japan
- **Commercial** telecommunications, space, resources and industrial sectors (NBN Co, Intelsat, SES)
- **Short term critical infrastructure projects** – Special and major sporting events (Rally Australia, Australasian Safari)

'The Home of Spirit River and Cidaal' – Blacktree is the world's only supplier and maintainer of these specialist HPA and LNA technologies.



## ACCREDITATIONS

- **ISO 9001:2015** Quality Management Systems
- **Compliant with Defence Export Controls** (Australia), conversant with ITAR and EAR policies (United States)
- NATO/National Stock Numbers for critical products. **NCAGE Code – Z0XK4**

*The exploitation of distributed swarms of low cost, interoperable, remote autonomous underwater systems will fundamentally change naval warfare protocols in the short to medium term.*

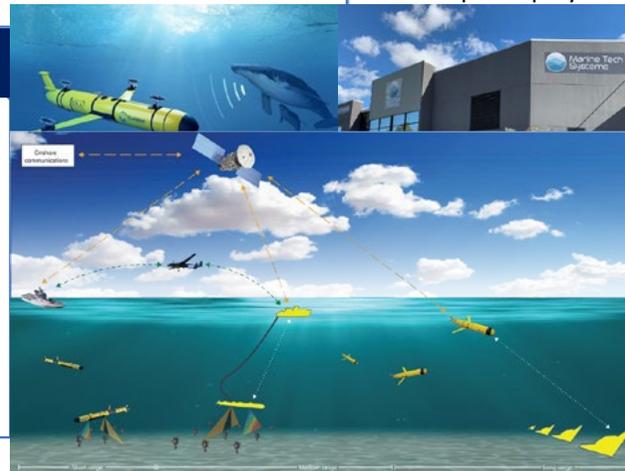
## Discriminators

- Globally-recognised expertise in maritime remote and autonomous systems innovation
- Strong history of successful project delivery and service provision for energy industry and Defence clients in both the UK and Australia
- Close engagement with UK and Australian Defence end users
- Highly-experienced in-house Research and Development (R&D) team
- Ongoing self-funded investment in R&D activities
- Demonstrated ability to develop and implement novel Autonomous Underwater Vehicle (AUV) based solutions in both industry and Defence sectors
- Responsive operations team with numerous successful missions completed
- Member of Blue Ocean Monitoring Group, which along with Blue Ocean Seismic Services, are revolutionising ocean bottom seismic data collection through the development and use of novel fully autonomous, multi-node, bottom-landing systems
- Patent-protected IP

## Capabilities

- Novel maritime autonomous system Research & Development
- AUV design, development and qualification
- Maritime remote Command, Control, Communications & Intelligence (C3I) systems development
- Systems engineering and integration
- Maintenance, servicing, mission planning and execution for a wide range of Autonomous Vehicles
- Broad range of Autonomous Underwater Vehicle applications including hydrographic, optical and passive acoustic sensing
- Owns and operates a large Australian-based commercial fleet of gliding AUVs
- Dedicated operations and engineering facility at Bibra Lake, close to Australian defence facilities at HMAS Stirling
- Rapid deployment capability for AUVs off the Australian coast

## Customers



## About Blue Ocean Marine Tech Systems

- Defence Industry Security Program (DISP) member
- Proudly Western Australian company
- Wholly owned subsidiary of Blue Ocean Monitoring Group
- Contact:
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  - Mark Carey, Managing Director, BO-MTS AU  
[mcarey@blueoceanmts.com.au](mailto:mcarey@blueoceanmts.com.au)

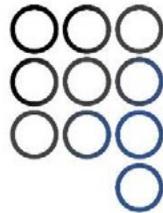
# Decem

## COMPANY / CAPABILITY OVERVIEW

- Decem provide Professional Services, Maritime Projects and Geospatial solutions. Our team customises solutions to client needs and offers a suite of ILS packages for defence acquisition and sustainment projects.
- Decem works as an “SME Prime” that collaborates with the best Australian SMEs to deliver the complex capabilities that Australian SMEs produce whilst ensuring compliance with the unique aspects of delivering Defence projects through the ASDEFCON suite.
- Decem are ILS subject matter experts, who provide the niche capability to produce, update and validate Contract Data Requirement List (CDRL) documents for Defence projects such as Logistics Support Analysis Reports (LSAR) and Recommended Provisioning Lists

## CAPABILITY

Maritime Projects  
Geospatial software  
CDRL/Defence document development  
ILS Software  
Professional Consultants  
Project Management  
Engineering Management  
Naval Architecture  
AIC development  
Autonomous Systems



## Contact

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West Perth WA 6005

www.decem.com.au

## COMPETITIVE DISCRIMINATORS

Decem combines above the line experience with industry efficiency. We know exactly what the Defence customer needs, and how to deliver through the ASDEFCON suite. We are maritime domain experts and our **Octopus** ILS software draws data from multiple sources to quickly and reliably produce ILS documentation. Our ILS personnel can then validate the documentation prior to release.

## CERTIFICATIONS / ACCREDITATIONS

Level 1 DISP  
Certified ISO9001 QMS  
AGSVA cleared workforce  
Australian Owned 3\*rating  
Veteran owned

## PARTNERS & CUSTOMERS

Decem provides ILS Management project management personnel to CASG within multiple acquisition projects. Recent projects include SEA 1654, SEA 1354 Phase 1, SEA 1448 Phase 4A, DEF 224 Phase 3, SEA 1439 Phase 5B2, SEA 1397 Phase 5B and 5C, SEA 555 Phase 7, AIR 6502 Phase 1, SEA 1408 Phase 3

Decem works with Prime Contractors to deliver project management and ILS services. Clients include Aurecon, Phoenix International, Leonardo, Total Marine Technology and Indra Australia

Decem collaborates with other SMEs including Skeiny, Aeromech, BTB Marine and Marine Tech Systems to develop underwater and autonomous capabilities and composite manufacturing.



# Defence Science Centre

Part of the Australian Defence Science and Universities Network



## What is the Defence Science Centre?

- The Defence Science Centre supports universities, small-to-medium enterprises and other organisations by facilitating connections that transform research and industry challenges into defence science capabilities.
- Objective is to provide Defence with the best research and development capabilities, whilst also providing researchers with the opportunity to apply their research to real-world problems.
- The Defence Science Centre (DSC) is part of the Australian Defence Science and Universities Network (ADSUN).

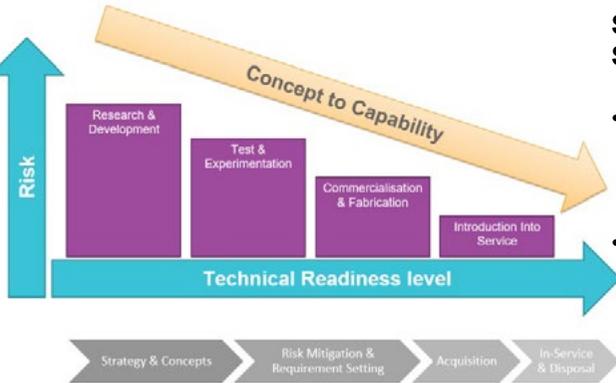
## Who does the Defence Science Centre represent?

- Western Australian State-Government
- Defence Science and Technology Group
- Four publically-funded universities in Western Australia



## Value to Defence and industry

- Highlight local research capability to Defence
- Facilitate collaboration for defence-relevant needs
- Identify opportunities for research and technology development
- Provide advice on Defence priorities, capabilities, needs and gaps
- Promote and showcase Western Australian Defence research and innovation
- Cultivate relationships and identify linkages between universities, industry and Defence



## Supports Defence Transformation Strategy

- leverage state-based defence research networks to encourage multi-partner collaboration.
- “take innovative ideas out of the laboratory and deliver real impact into the hands of the warfighter”

## Opportunities

- Collaborative Research Grants
  - \$50K-\$150K seed funding for 'Next Gen Technology Fund' -related research
- Research Higher Degree Student Grant
  - Provides funding to students working on collaborative defence-relevant projects and/or undertaking defence industry placements as part of their study
- Defence and Research Teaming
  - Collaboration vehicle to bring together local defence industry and academia to explore solutions to declared defence problems or challenges
- Assistance for other organisation schemes
  - Advocates and promotes relevant opportunities such as AI for Decision Making, Autonomous Warrior, Next Generation Technology Fund, Austender, US Broad Agency Announcements, D.Start, AUSMURI, STaR Shots

## Contact Details

- [www.wa.gov.au/DSC](http://www.wa.gov.au/DSC)
- [DSC@jtsi.wa.gov.au](mailto:DSC@jtsi.wa.gov.au)
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- [twitter.com/DSC\\_WA](https://twitter.com/DSC_WA)
- [linkedin.com/showcase/defence-west](https://linkedin.com/showcase/defence-west)

## Overview

Foundry and Engineering complex located in Perth W.A. At Dobbie we seek to cast ourselves as providers of the best foundry products and services across Australia, helping to protect our country and strengthen Australia's sovereign industrial capability. Therefore, aiding in the security and prosperity of our nation and bringing value to our community whilst enabling our clients to strengthen their long-term bottom line.

## Capabilities

- Australian Sovereign Manufacturing
- R & D – Prototyping – Valves / Pumps
- Mechanical Design incorporating FEA/CFD
- Onsite Pattern Making
- Ferrous & Non-Ferrous Foundry
- 'Hard Sand' Chemically Bonded Castings
- 'Lost Wax' Investment Castings
- Military Grade Alloys
- Custom/Exotic Alloy Development
- Materiality Conformity Verification
- CNC/Traditional Machining
- Full Engineering Facility
- Painting/Coating Services
- Assembly and Testing
- NATA certification (via PTL, a Dobbie subsidiary)

## Discriminators

- Australian Manufacturer of high-quality cast products
- Extensive, strong successful history. Established 1940
- Outstanding industry reputation
- Superior customer service
- Corporate experience and expertise
- Quality, Environment & OHS Certified
- Products certified to Australian Standards
- Access to international supply chain
- Stable and skilled workforce
- NATA certified mechanical testing facility
- Learning Organisation – Committed to Continuous Improvement
- Research and Development focussed Organisation
- Environmentally conscious/Sustainability focussed
- Business integrity and ethics

## Products

### Defence Industry:

Naval/Maritime: Surface & Sub-surface vessels

On-board Valves: Complete/Componentry  
On-board Pumps: Complete/Componentry  
Custom Castings – Military Spec Alloys

Land Force

Custom Castings – Military Spec Alloys  
Vehicle Componentry

### Civil Infrastructure:

Valves

Gate – Metal Seat DN80 – DN1800  
– Resilient Seat DN80 – DN600

Swing Check (Non-Return)  
– Metal Seat DN80 – DN900

Networks

D.I. Water Pipe Fittings & Accessories  
Municipal Hydrants, Covers & Surrounds

### Fire Protection Equipment:

Booster Valves  
Hydrant Valves  
Wet System Assemblies

### Mining:

OEM Machinery Components  
Wear Parts  
Crusher/Liners  
Grinding Media  
Custom Castings to Client Specifications

### Rail:

Inline Rail Componentry: Inserts/Spreaders/Braces/ Etc  
Rolling Stock Componentry: Axle Boxes/Wheels/Bearers/Etc

### Industrial Castings:

OEM Machinery Components  
Industrial Machinery Improvement Parts  
Anvils/Augers/Die Bases/Manifolds  
Heat Exchangers/Exciter Housings/Source Holders  
Pump Componentry: Impellers/Volutes/Casings/Etc  
Custom Castings to Client Specifications

***Dobbie - Precision Engineered Castings***

## Key Clients

- ◇ Alcoa World Alumina Australia
- ◇ Downer EDI Engineering
- ◇ Water Corporation W.A.
- ◇ Vossloh Cogifer Australia
- ◇ South 32
- ◇ Komatsu (Joy Global)
- ◇ WatMar
- ◇ Metso:Outotec Australia
- ◇ Schenck Process
- ◇ Transfield Worley Power Services
- ◇ John Holland
- ◇ McConnell Dowell
- ◇ Hofmann Engineering
- ◇ Veem Ltd
- ◇ Adelaide Brighton Cement
- ◇ BGC (Australia) Pty Ltd
- ◇ Bray Controls Pacific
- ◇ Emerson Automation Solutions

## Key Partners

### Local:

**Future Engineering**  
High quality, specialised machining services

**Perth Powder Coaters**  
Specialist corrosion protection coatings

**Dickinson's Metallurgical Supplies**  
Foundry raw material inputs, alloys & refractories

**Cook Industrial Minerals**  
Specialty foundry sand/silicas

**Spectrosource Pty Ltd**  
Spectroscopy instrumentation – service/calibration

### Global:

**Rotork – United Kingdom**  
Flow Control Gearboxes, P.I.s & Actuators

**Inductotherm – USA/Australia**  
Induction melting furnaces

**Mayo Engineering/Modtech – United Kingdom**  
Foundry equipment – investment casting

**3M - USA**  
Specialty foundry consumables

**VAG Valves – Germany**  
High quality Resilient Seat Gate & Butterfly Valves

**Ferromax Foundries - India**  
High volume D.I. castings

**Westech – USA/New Zealand**  
Specialty foundry consumables

**United Enterprises - India**  
Die casting/Metal forging

**Luitpold Schott – Germany**  
Forged alum/SS fittings for fire/potable/naval

**Gulf Rubber – New Zealand**  
Engineered rubber & synthetic componentry

## Quality Accreditations



ISO 9001 - Quality



ISO 14001 - Environmental



ISO 45001 - OH&S

## PCP Certifications

AS/NZS 2638.1 - MS Gate Valves AS/NZS 2638.2 - RS Gate Valves  
AS/NZS 4020 - Drinking Water Contact AS/NZS 2280 - DI Fittings  
AS 2419.3 - Fire Boosters AS 3952 - Spring Hydrants  
AS 3996 - Access Covers

## Licences



## Affiliations

C.C.I.W.A.	C.C.F.W.A.
A.F.I.	O.D.I.S.
I.C.N.	A.I.G.
F.P.A.A.	A.I.D.N.
N.A.T.A.	The Apprenticeship Community
Trace International	Defence West
Henderson Alliance	Standards Australia
Our Veterans Forge	Working Spirit
Department of Defence	Defence Industry Pathways Program



Australian Government  
Department of Defence



## Contact Details

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### BDM - Defence

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### Laboratory Services (PTL)

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lsaw@ptlaboratory.com.au



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Telephone: (08) 9249 7000 Fax: (08) 9249 7700

www.dobbie.com.au

# AUSTRALIAN DESIGNED & MANUFACTURED FABRIC COVERED SHELTERS



61 Old York Road, Northam, WA 6401  
[defence@domeshelter.com.au](mailto:defence@domeshelter.com.au) | +61 8 9690 1100

## CAPABILITIES

- Protecting People & Assets from the elements with DomeShelter™ Fabric Covered Structures
- Two key offerings:
  - Bespoke Turnkey Solutions from installation design to delivery, including deployment support
  - Quickly deployed Standard and Stocked Shelters for rapid delivery in reactive/crisis events
- In-house manufacturing of steel and fabric ensuring reliability and quality
- Engineered to Wind Codes in Australia up to Region D in accordance with AS1170
- In-house Project Manager to enable complete facility packages to reduce risk of site complications
- Designed and packaged for transportation and delivery ease by general labour.
- Wide range of Shelter related extras to reduce suppliers

## KEY CUSTOMERS & PARTNERS



### MULTI-CHANNELLED SUPPLIER NETWORK:

- Steel**
- OneSteel, BlueScope, Orcon
- Engineering**
- External engineering consultants, ARUP
- Fabric**
- HVG, Ricky Richards Fabric
- Delivery**
- Toll, TNT, Australian Delivery Network

## DIFFERENTIATORS

- Designed, Engineered & Manufactured in Australia, with 25 years of product testing in the elements
- Manufactured in accordance with our unique design Methodology; DomeShelter Logic® which includes:
  - **SERVICE-ABILITY:** Designed to be fit-for-purpose, in accordance with your needs.
  - **COST EFFECTIVENESS:** Designed and engineered to get more for less
  - **MAKE-ABILITY:** Smart Fabrication detailing including partnership with manufacturer to co-design & improve Fabric to maximise compatibility with steel frame for endurance and longevity
  - **EASE OF INSTALLATION AND PORTABILITY:** Designed and proven for rapid portability, and install ease by general labour; with minimal parts to reduce complexity and potential onsite install issues
  - **ENGINEERING EFFICIENCIES:** Value engineering including foundation design & evaluation for cost efficiencies and material availability
  - **AESTHETICS:** professional clean solution
- Online 3D design tool for initial concept and visualisation exploration
- Over 50+ Regional full-time employees, supporting Australian jobs, including dedicated Defence Industry team
- State of the art, modern manufacturing facility located in Western Australia with agile, scalable manufacturing output.
- Export containerisation experience to 41+ countries; DomeShelter™ Structures come kit packed, strapped in a steel crate and wrapped ready for transport.

## MEMBERSHIPS, AFFILIATIONS & CERTIFICATIONS

### CERTIFICATIONS:

- ISO**
- 9001 | 45001
- Fabric Warranty**
- 20 Years
- Insurance**
- CFC of Professional Indemnity
- P&P Liability
- Standards**
- AS170/1554
- DomeShelter Logic®**

### SOCIAL RESPONSIBILITY:

- Giving Back**
- Supporting Charity's including; RRT, Royal Flying Doctor, Doctors without Borders, Cancer Councils & more.
- Supporting the community with up to 10 apprentices employed per year.
- Supporting Aboriginal & Diverse Communities through employment & support



# Shipbuilding, Sustainment & Repair

## Products and Services

- Aluminium, Steel and Composite Vessel Construction
- Marine Vessel Construction <100m LOA
- Aluminium and Composite Fabrication, Pre-Fabrication Services
- Workshop Area of 5,960m<sup>2</sup>, Hardstand Access up to 75,000m<sup>2</sup>
- Waterfront Access for Slipping and Docking
- Marine Refit and Repair
- Tefroka Floor Coverings

## Capabilities

- Aluminium, Steel and Composite materials expertise
- Specialist light-weighting design and manufacture knowhow
- 5-Axis CNC 3D Component Manufacturing
- 2-Axis Flat Bed Router
- Design and Project Management
- Mechanical, Electrical, FRP, Metal Fabrication and Cabinetmaking
- Refit and Repair

## Discriminators

- Australian Owner and Operated – Local Content Provider
- Lean and Diverse Production Team
- Proven Defence supplier
- Transferable Commercial and Super Yacht Quality and Technology
- Diversity in Aluminium and Composite Solutions
- Current and Future Build Technologies Knowledge
- Quality Products and Services

## Key Customers

- Private Yacht Customer: *84m Aluminium Luxury Trimaran*
- Private Yacht Customer: *46m FRP Luxury Catamaran*
- Private Yacht Customer: *50m Aluminium Luxury Catamaran*
- Citic Pacific Mining: *20m Crew Transfer Work Boat*
- Matrix Composites: *5-axis CNC 3D Component Manufacturing*
- Tung Hsin Taiwan: *30m Aluminium Fast Ferry*
- NSM (Australia): *Anzac Class - Tefroka Floor Coverings, Interior Fitout*
- BAE Systems: *Anzac Class – Lagging, Interior Fitout Sustainment*
- Luerssen Australia: *Arafura Class - Aluminium Components*
- ASC: *Collins Class – FRP repairs, Interior Fitout*
- Teekay: *Ocean Protector and Ocean Shield – Electrical and Mechanical*
- Pelagic: *29m Steel Landing Craft*

## Quality Accreditations and Awards

- ISO 9001:2015 - *Certified by DNV/GL*
- Best Naval Architecture Displacement MY - *Boat International Awards 2019*
- Judges Commendation – *World Superyacht Awards 2019*
- Marine Industry Champion – *Australian Marine Industry Award 2019*
- Project/Design/Manufacturer of the Year – *Australian Superyacht Industry Awards 2015, 2017, 2019*

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

Ph: +61 8 6555 4988

[wa@echomarinegroup.com](mailto:wa@echomarinegroup.com)



# SPECIALISING IN UNDERWATER IN SERVICE SUPPORT AND SUSTAINMENT SOLUTIONS



Franmarine is a highly experienced marine contractor renowned for supporting Defence & Industry through provision of a broad range of specialised underwater ships husbandry (in service support and sustainment) services.

Established in 1981 with a National footprint, Franmarine represents a unique capability, high quality service, professional integrity and commercial stability.

### DIFFERENTIATORS:

The only Australian owned commercial diving and underwater contractor with National fleet wide ships husbandry and biofouling management capability.

- A Sovereign Industrial Capability Priority (SICP) of underwater ships husbandry that is truly unique to Australia.

- Classification Society Certification for In Water Survey; ABS, Lloyds, DNV, BV & NK.

- Key relationships with multiple Defence prime contractors and members of the Defence Industry Security Programme (DISP).

- Management with over 75 years of combined experience in providing successful underwater integrated engineering solutions to the maritime industry.

### CAPABILITIES:

- National fleet wide biofouling management & marine biosecurity policy compliance solutions.
- A consolidated underwater ships husbandry capability (cleaning, inspection, maintenance and repair to Classification Society specification).

- Underwater coded welding & ultra thermic cutting.

- Sub-surface/splash zone corrosion management and underwater coating application (vessel & infrastructure).

- Marine infrastructure remediation, upgrades and new construction support.

- Mooring installation, inspection and maintenance to 100,000 tonne. Deep water, ROV & remote location capable.

### MANAGEMENT SYSTEM CERTIFICATIONS:

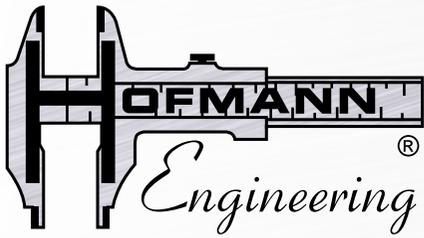
- ISO 9001:2015
- ISO 14001:2015
- ISO 45001:2018



### VALUED CLIENTS:



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 www.franmarine.com.au



# QUAD CHART

## DEFENCE DEPARTMENT

### CAPABILITIES/PRODUCTS

- Aerospace tooling, jig and fixtures
- Defence project
- Gear manufacturing
- Precision machining of exotic materials
- 5axis high speed machining
- Heat treatment
- Fabrication and welding
- Engineering and mining equipment
- Repairs and maintenance
- Specialist tools and equipment
- Metrology/CMM's and Laser trackers
- Catia 5, NX and Solidworks, Cad/cam systems

### KEY DISCRIMINATORS

- Significant R&D capabilities
- 20+ years experience in design, development and manufacture of military and aerospace tooling components, jigs, fixtures and composite layup tooling
- One stop shop from design to manufacture
- Onsite services worldwide from initial consultation and inspection through to refurbishment and/or repair, installation and alignment
- Largest heat treatment capability in Australia
- Global premises/Representatives - Australia, USA, Canada, Chile, Peru, India, China
- ITAR - Managing export controlled goods and technology
- Common ERP system used across all sites

### KEY CUSTOMERS/PROGRAMS

- BAE Samlesbury UK/F35 tooling
- Boeing Aerostructures Australia/777 elevator mold tools
- Boeing Aerostructures Australia/787-8 and - 9/flaps
- Boeing Aerostructures Australia 737X winglets
- Australian Submarine Corporation/Collins class
- BAE Systems/M113 APC and armoured hull upgrades
- Thales/Bushmaster
- Cablex/Land121
- NSM/Anzac frigates
- Airbus/A380 winglets
- Airbus/A340 main landing gear door
- GE Rolls-Royce Indianapolis/F36 turbine module engine tooling
- Babcock Marine
- Austal Ships - Cape Class Ride Control Fins

### QUALITY APPROVALS

- AS ISO 9001:2015
- AS 9100 Rev D - Cheltenham site only
- IIS EN 15085-2 (Perth & Bendigo)
- Weld Australia - ISO3834-Part 2 (Perth, Bendigo & Melbourne)

#### HOFMANN ENGINEERING PERTH

3 Alice Street, Bassendean (Perth) WA

**Karl Hofmann** - Product Specialist/Operations Engineer

**Phone:** +61 8 9379 5425 **Mobile:** +61 (0) 420 719 114

**Email:** karl.hofmann@hofmannengineering.com

#### HOFMANN ENGINEERING CHELTENHAM

**Theo Lemonidis** - General Manager Victoria

**Phone:** +61 3 8585 1865 **Mobile:** +61 (0) 458 779 228

**Email:** theo.lemonidis@hofmannengineering.com

## CORE PRODUCTS

Supply of the full suite of hose, fittings & flexible hose assemblies:

- Aviation fuel hoses, couplings, nozzles
- Bunkering
- Breathing air
- Compensators
- Composite
- Chemical
- Dock loading
- Fire fighting
- Hydraulic
- Metallic – corrugated ISO 10380
- Ultra high pressure
- Utility
- Bespoke manufacture of exotic metals & adapters
- Petroline layflat
- Coupling, camlocks, tube, pipe fittings, flanges, valves

## CORE SERVICES

- Complete hose management solutions
- Hose register development, management and maintenance using smart technology
- Inspection services for site survey and auditing of flexible hose assemblies and associated equipment on onshore and offshore facilities
- Mechanical services for site fitment or testing requirements required for shut-downs
- In-house testing and recertifications of all types of flexible hose assemblies (up to 60,000psi)
- Consultancy, design & engineering services
- Development and review of hose management, maintenance and supply strategies & policies
- Datasheet review & development
- Onsite NATA & Class approved containerised workshops for testing/assembling/fitment
- Inventory management & storage
- Training

## KEY DISCRIMINATORS

- Independent Australian family owned and operated business (AIP & ATSI assured)
- Significant 3<sup>rd</sup> party accreditations for full suite of products and capabilities
- One stop shop for all things fluid transfer systems, self-sufficient
- We are not a bolt on business, HoseCo is a dedicated hose business and not a division of a larger business operating in a number of different fields.
- 5 x NATA accredited dedicated hose assembly factories around Australia
- No third parties – HoseCo manufactures all hose assemblies itself. Not relying on third parties enables us to control quality, lead time and cost.
- Vast experience in the generation of contract of work scope specific plans covering all aspects of HSE, quality management, ER/IR, implementation & management, communications and HAZIDs
- Full time quality, technical and HSE division
- HoseCo is the only Australian company approved by NATA for hose assembly visual inspections
- DNV-GL & Lloyds approved assembler
- Highly technically skilled management and staff
- Progressive, innovated and always looking for better cost-effective solutions

## QUALITY APPROVALS

- ISO 9001:2015
- ISO 17025:2017 (NATA Accredited)
- ISO 17020:2012 (NATA Accredited)
- Lloyds Register approved
- DNV-GL approved
- Health, safety & environmental systems
  - Department of Defence – 99% HSE audit

## KEY CUSTOMERS & CONTRACTS

- |                                    |             |
|------------------------------------|-------------|
| ▪ BAE Systems<br>(air, navy, land) | ▪ INPEX     |
| ▪ NSM                              | ▪ Santos    |
| ▪ CoA                              | ▪ BHP APU   |
| ▪ Department of Defence            | ▪ BP        |
| ▪ Serco Defence                    | ▪ Shell     |
| ▪ UGL                              | ▪ Jadestone |
|                                    | ▪ Valaris   |
|                                    | ▪ Woodside  |

## CONTACT DETAILS:

**AARON HOLT**, Group General Manager  
[aaron.holt@hoseco.com.au](mailto:aaron.holt@hoseco.com.au)  
 0400 870 454

**JOHN MCGILL**, Group Sales & Product Manager  
[john.mcgill@hoseco.com.au](mailto:john.mcgill@hoseco.com.au)  
 0408 922 371

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

# IKAD Engineering



[www.ikad.com.au](http://www.ikad.com.au)  
marine • industrial • mining

Ivan Donjerkovich  
Managing Director  
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## ▶ CAPABILITIES

- Naval gearboxes, propulsion drive-line & propeller systems, clutches, steering systems & fin stabilisers, thrusters, elevator systems, HVAC systems, rotatable equipment, pipe spooling & OEM support
- Procure, assemble, install, commission, testing, maintain & repair
- Welding, fabrication, machining, surface treatments, rubber lining
- Manufacture of piping, structural, mechanical, material handling & lifting equipment; installation & commissioning of mechanical products
- Advanced fabrication, coded welding - carbon steel & exotic metals
- OEM distributor for marine/offshore cranes, thrusters, watertight doors/hatches, deck machinery

## ▶ KEY CUSTOMERS

- Australian & NZ Department of Defence
- Naval Ship Management (NSM)
- Leonardo Defence
- Australian Submarine Corporation (ASC)
- Austal
- WAMA
- BAE Systems
- UGL
- SERCO
- Raytheon
- Thales

## ▶ KEY MARKETS (Local / International)

- Defence (Navy & other)
- Mining,
- Oil & Gas
- Water Technologies
- Agriculture & Infrastructure
- Energy & Desalination
- Industrial & General Engineering
- Project management
- Design
- Logistics

## ▶ DISCRIMINATORS

- Undertakes top-class complex heavy mechanical works on large projects, such as navy ships
- Specialist in propulsion systems & propellers, gearboxes, clutches, steering systems, stabilisers, thrusters, elevators, HVAC, rotatable equipment, piping & OEM support
- Takes on difficult challenges and always delivers quality outcomes to urgent deadlines
- Problem solver – flexible and adaptable to any industry, any situation, any location
- Delivers integrated project management packages with turnkey outcomes
- Mobility specialist can deliver trained staff and services anywhere in Australia or overseas
- Good Corporate Citizen– dependable, reliable, trusted

## QUALITY APPROVALS & AWARDS

- ISO 45001:2018 Safety Certificate
- ISO 3834-2:2005 Welding Certificate
- ISO 9001:2015 Quality Certificate
- ISO 14001:2015 Environment Certificate
- Painting Contractor Certification Program (PCCP)
- NACE CIP Level 2 Approved
- Accredited GRE Piping System Installer
- District 3500 Naval Store
- IFAP Membership
- Fremantle Business Award for Marine, Engineering & Defence Industry Excellence 2019
- Worksafe Plan Gold Certificate of Achievement
- ISO 17025 NATA Accredited Facility - Balancing Operations

## Core Capability

Complex multi-disciplinary product development specialists providing end-to-end capability from basic R&D through to in-service support in the aerospace, aviation (general and commercial), defence with emphasis on complex role equipment development.

## Capability Description

Engineering expertise in;

- concept and detail design,
- structural analysis, CFD analysis,
- rapid prototyping and manufacture,
- testing, in-service support and regulatory certification (CASA and FAA).

Manufacture expertise includes;

- machining and routing of metallic parts,
- layup of advanced composite parts including pre-preg filament winding,
- cable & harness assy, PCB manufacture,
- final assembly and product bench testing.



## Competitive Discriminators

Innovaero has the unique ability to provide full turn key services to our customers to get products from thought-bubble all the way through to manufacture and certification to allow easy and quick access to markets so they can make a profit from their investments. We are simply a one-stop-shop to market success in the aeronautical and defence product field.

## Key Customers

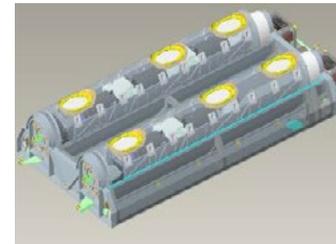
In the aerial imagery industry we have supplied to Eagleview in USA, the largest player in that market and have become their sole source supplier of aerial image capture systems. We also supply to Spookfish in Australia.

We also supply to Qantas/Network Aviation, RFDS, Airbus, Department of Defence, WAPOL, Raytheon and CGG to name a few.

## Key Partners

- Momentum Aeronautics LLC,
- Thomson Design,
- Cognetic Pty Ltd,
- Boab Technical Services Pty Ltd,
- Applidyne Pty Ltd, plus approx 30 other service & manuf. vendors

## Contact Details



## Company Information

Annual Turnover: \$10 million  
No of Employees: 35  
Currently Exporting: Yes  
Years in Service: 17  
Current at: Oct 2021



## Quality Certifications

CASR 21G, CASR 21K, CASR 21M, CAR30, CASR 21.120B, CASR 21J, CASR 145 (component overhaul).  
AS9100D Aerospace & Defence Accredited

## Mike von Bertouch

*Managing Director*

P +61 86365 1979

E [mike.vonbertouch@innov.aero](mailto:mike.vonbertouch@innov.aero)

20 Weatherburn Way, Kardinya 6163

[www.innov.aero](http://www.innov.aero)

# LATCONNECT 60 PTY LTD



## COMPANY OVERVIEW

LATCONNECT 60 is a Western Australian space-based earth observation company in growth phase. It was formed in 2019 with the objective to provide responsive, high fidelity, rapid re-visit earth observation data to enhance commercial and defence ISR activities. It has acquired capacity of an existing satellite in-orbit to capture high resolution multispectral data exclusive to Australia and with global access. Satellite constellation expansion is in progress with a follow-on launch in 2023.

LATCONNECT 60 is partnering with Governments, Research Institutions and major Space Industry players globally to deliver vital insights for our world. The data and its derived solutions are applicable to all industrial, commercial and government purposes. The significant benefits include immediate tasking, unique insights and very competitive pricing.

## PRODUCTS

- High resolution multispectral imagery data
- Satellite virtual access and tasking services
- Satellite direct access services
- DataPort module for processing raw satellite imagery to an analytical ready form
- Development of data analytical tools for your GIS workflows



## DISCRIMINATORS

- End-user licensing agreement (EULA) is flexible to allow freedom of use in derived and value added products.
- Our new tasking price per sq. km. is on par or cheaper than archive imagery for comparable resolutions from incumbents.
- Exclusivity over Australia with global access. Able to provide tailored new taskings in regular repeat intervals.
- Significant availability of new imagery data to end users well under 24 hours from data capture to delivery.

## AVAILABILITY AND SUPPORT

- Data products are delivered via API or web based and available globally, supported by our team in Australia.

## KEY CUSTOMERS

- Government
- Data resellers
- Commercial

## KEY PARTNERSHIPS (SUPPLIERS)

- Surrey Satellite Technology Ltd.
- Curtin University
- Fugro

## KEY PARTNERSHIPS (CONSULTING)

- Arlula

## CONTACT DETAILS

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**Rueben Rajasingam**  
Chief Operating Officer  
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Mining



Waste  
Management



Emergency  
Services



Transportation



Industrial  
Automation



Defence



Marine

A WESTERN AUSTRALIAN SME, ADVANCED MANUFACTURER OF RUGGED TECHNOLOGY

## CAPABILITIES

### Research and Development

- Solving harsh environment technology problems with sophisticated solutions, developed by our in-house expertise.

### Design and Customisation

- Experts in the ground up design and build of bespoke rugged computing technology.

### Quality and Reliable

- Reliable and proven to meet extreme environmental challenges and conditions.

### Advanced Manufacturing

- Responsive WA based manufacturing team with a wide spectrum of skills and tools.

### Service and Support

- Customer focused service throughout the lifetime of the partnership.

## DISCRIMINATORS

### Australian Sovereignty

- Western Australian based, privately owned and operated business.

### Forward Compatibility

- All Motium devices are designed to seamlessly integrate and operate as one platform.

### Bespoke Product

- Client involvement in the design process leads to bespoke rugged technology solution.

### Verifiable Quality

- Trusted quality is demanded by our customers who demand uptime reliability.

### Full Supply Chain Custody

- Supply chain traceability and source control with the agility to rapidly and ruggedly deploy second source components.

## CAPACITY

### Business Agility

- Strong, proven management team leading 42 personnel with 250 years of engineering experience.

### Technical Engineering

- Motium produces reliable, bespoke, innovative engineered Panel PCs, Tablet Computers, LCD Monitors in a variety of sizes to suit any situation.

### Experience and Stability

- 20 years of business stability driven by listening to customers. We continue to adapt and evolve with market opportunities by investing in systems and processes.

### Global Reach

- Globally dispatching over 15,000 products annually, consisting of millions of individual components.

## TRUSTED PARTNER

### Industry Benchmark

Global customer base advise we are the benchmark in our industry.

### Micromine

**“Motium has always gone above and beyond to support our rugged technology requirements.”**



### Wenco International Mining Systems

**“For over 10 Years Motium has consistently partnered with Wenco to solve our challenges and deploy quality, reliable rugged technology”**





## Innovative Engineering Systems Design

Onetide is an award winning, highly innovative, wholly Australian owned and operated engineering company.

We apply our 'technical limit' proprietary engineering designs and sovereign advanced additive manufacturing capabilities to design and deliver novel, engineering solutions to withstand the harshest environmental conditions and meet the highest safety standards.

Our pioneering products and engineering provide full cycle carbon optimization products and solutions for defence, disaster relief, resources and marine applications. This integrated family of innovations allows rapid deployment of engineering solutions in power, water, communications, logistics and essential infrastructure to remote locations.

Roy Mitchell  
Director – Principal Systems Engineer

U1/9 Kalmia Road, Bibra Lake  
Western Australia, Australia 6163

T: +61 409 366 814  
E: [info@onetide.com.au](mailto:info@onetide.com.au)  
W: [onetide.com.au](http://onetide.com.au)

### Quality Standards and Certifications

- ISO 90001:2015\*
- ISO 14001:2015\*
- ISO 45001:2018\*
- ISO 27001:2017\*
- DNV2.22

\*in progress



## Discriminators

- Proudly 100% Australian owned and operated
- Sovereign capability
- Industry leading bespoke specialist engineering
- Rapid concept development and prototyping
- Six decades inhouse oilfield technical limit expertise
- Unique & innovative product line
- Pioneering advanced additive manufacturing
- Holistic full carbon lifecycle optimisation
- Patents pending

## Key Customers & Partners



## Capabilities & Awards

- Advisory and engineering services
- 'Technical limit' concept design, prototyping/ production
- Efficient, on time and on budget engineering solutions
- 3D concept modelling and additive manufacturing
- Remote site operations optimisation



## Key Defence Products



### MISSION DECK™

No weld sea fastening system for rapid logistics on vessels of opportunity in "one tide".



### RAPID REEL™

Deployment, retrieval and storage system expediting shore power and flat fuel hose handling.



### MOBILE MICROGRID™

Scalable, mobile, grid quality, hybrid renewable power supply.



### MISSION CLOAK™

Signal protection, IR cloak, EMP/ECM protection, EMI/RFI shielding.

**Orbital UAV** is a world leader in the design, development and manufacture of propulsion systems and flight critical components for unmanned aerial vehicles (UAVs). From operations in Perth, Western Australia and Oregon, USA we deliver our integrated propulsion systems and associated technologies into the world's largest suppliers of tactical UAVs.

Our patented fuel injection system enables advanced spark ignition using heavy fuel – a requirement for military applications. Such revolutionary technologies combined with our proven operational experience mean Orbital UAV is uniquely placed to meet the long endurance and high reliability requirements of the rapidly evolving UAV market.

## CAPABILITIES

- Spark ignition engine solutions allowing Defence applications to burn heavy fuels such as Jet A, Jet A1, JP5 or JP8 to meet NATO's one-fuel policy.
- Advanced direct injection fuel system technology allowing Defence customers to achieve better fuel consumption resulting in longer endurance.
- Electronic control system development for engine control, diagnostics and monitoring, including Human Machine Interface (HMI) tools.
- Advanced engineering facilities and personnel to develop lightweight, reliable propulsion solutions for the most demanding Defence applications.
- Proprietary advanced combustion engine technology to improve fuel economy, reduce exhaust emissions and enable operation on alternative fuels.

## DIFFERENTIATORS

- 40 years' experience developing advanced combustion engine solutions for global OEMs, with more than 15 years' experience in heavy fuel.
- In theatre proven technology.
- Orbital UAV's heavy fuel solution is lighter than compression ignition diesel engines, less expensive and results in better fuel consumption than gas turbine engines.
- Does not require use of heaters or additives for engine start.
- Direct injection technology is validated on consumer products representing over 700,000 engines; including broad engine experience over a wide range of consumer and Defence applications.
- Technology can be adapted to engines from 3hp to 250hp+.

## CUSTOMERS

- **Insitu Inc. (wholly owned subsidiary of the Boeing Company)**
  - Primary supplier of all engines across Insitu's entire fleet of UAVs, including ScanEagle and Integrator platforms.
  - Two of five engine models currently in production. 3<sup>rd</sup> engine production line to commence in FY22.
- **Textron Systems & Lycoming Engines (subsidiaries of Textron)**
  - Engine development program for Textron Systems' Aerosonde unmanned aircraft system program
  - Based on success of engine development program, contract transitions to the supply of engines for up to 10 years.
- **Singapore Defence Company**
  - Engine design and development contract with one of Singapore's largest defence companies
- **Northrop Grumman**
  - R&D contract to design and develop a hybrid propulsion system for application into a vertical take-off and landing UAV
- **Legacy defence supply customers:**
  - Mercury Marine (JP military outboard)
  - EP Barrus (JP5 military outboard)
  - Polaris (JP8 military ATV)
  - Teledyne Brown Engineering (JP5/JP8 UAV engine)

## SUPPLIERS

- Components and sub-systems sourced primarily from Australia, United States and Europe.

## CERTIFICATIONS & AWARDS

- ISO9001:2015
- ITAR compliant
- 52 global UAV patents
- Australian Defence Industry Awards 2020 – SME of the Year Award

## CONTACT

### Address

4 Whipple Street  
Balcatta  
Western Australia, 6021  
AUSTRALIA  
ABN 32 009 344 058

### Website

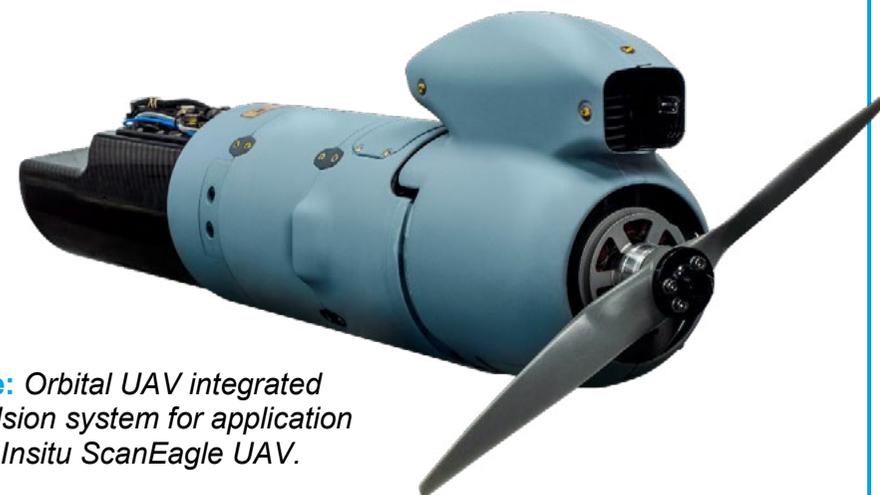
[www.orbitaluav.com](http://www.orbitaluav.com)

### Email

[contact@orbitalcorp.com.au](mailto:contact@orbitalcorp.com.au)

### Telephone

+ 61 8 9441 2311



**Image:** Orbital UAV integrated propulsion system for application in the Insitu ScanEagle UAV.



# Taylor Marine

## COMPANY / CAPABILITY OVERVIEW

Taylor Marine is a 100% Australian owned and operated Company. A leading Supplier and Systems Integrator of Navigation and Communications equipment to the Defense, Merchant Marine, Offshore and Ship Building industries of Australia.

Our in-house expertise from RFQ to supply, install and commission, we're able to provide a turn-key project solution.

Our direct agency agreements with world leading manufacturers of marine navigation and communications equipment ensures that we maintain high training standards, quality, service and world best support.

With service depots around Australia, our Head Office, Major Projects Dept. Service Coordination and Technical Support offices are based in Henderson WA, the heart of the Australian Ship Building and Support precedent.

## CAPABILITY

Navigation & Communications  
(Supply, Install, Commission & Support)



## Contact

Mr Jason Barrett

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[jbarrett@taylormarine.com.au](mailto:jbarrett@taylormarine.com.au)

62 Sparks Road, Henderson, 6166

Western Australia

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

## COMPETITIVE DISCRIMINATORS

Taylor Marine has the experience, knowledge and resources to deliver successful project solutions. The manufacturers and agencies that we represent are proven and already well accepted in the Defense and Offshore Patrol Vessel markets by navies and Coast Guards around the world.

## CERTIFICATIONS / ACCREDITATIONS

Quality Assurance  
AS/NZS 9001:2015 DNV-GL  
(Certificate No: 207169-2016-AQ-AUS-JAS-ANZ)

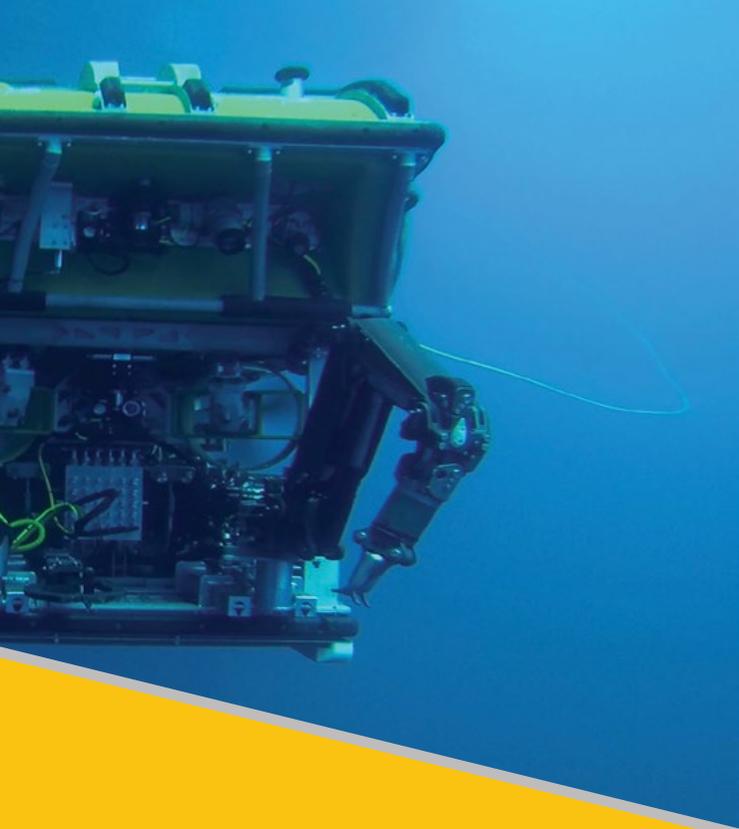
Certified Radio / VDR APT

- DNV-GL
- Bureau Veritas
- Class NK
- ABS
- LR
- RINA

## PARTNERS & CUSTOMERS

Taylor Marine is a preferred supplier and partner to the following recent ship building projects in Australia.

- Pacific Patrol Boat Project (Austal) 21 x 35m Patrol Boats –Taylor Marine was selected to supply Nav/Comms for this project. (TM is also the incumbent supplier to the current fleet)
- Offshore Patrol Vessel Project (Mission Systems Australia) 12 x 80m OPVs - Taylor Marine was selected to supply Steering Systems for this project.
- Cape Class Patrol Vessels: Australian Border Force: Supplied all Hatteland Displays (approved display)
- Austal Ships (Henderson and Philippines) Taylor Marine has supplied / installed numerous vessels ranging from (30m-110m)
- Incat (Tasmania) Taylor Marine has supplied Nav/Comms solutions to numerous vessels (30m-130m)
- NSW Water Police replacement fleet, supplied by Taylor Marine.



## KEY CUSTOMERS

Seadrill

BHP



ConocoPhillips

woodside

Apache



Songa Offshore

INPEX



“ We believe it’s all about building strength through partnerships. TMT’s abilities are designed around delivering world class support and driven by client expectations.”

Paul Colley,  
CEO TMT

## follow us

 /TotalMarineTechnology

 /total-marine-technology

 /tmtrov

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

Defence@tmtrov.com.au  
1 Ambitious Link, Bibra Lake WA 6163  
+61 08 9411 6500

DESIGN  
ENGINEER  
MANUFACTURE  
OPERATE  
MAINTAIN



## CORE CAPABILITY

Versatile Marine is an emerging and innovative marine solution provider, offering a diverse range of bespoke solutions for demanding industrial, commercial, and military applications.

## CAPABILITY DESCRIPTION

Versatile Marine is a trading, manufacturing, and marine consulting company, delivering following products and services:

- Boatbuilding - high performance HDPE work, rescue, landing and patrol boats
- Trading – import, sales and services of bespoke marine equipment & systems
- Consulting – technical advisory services for shipyards and related maritime businesses

Versatile Marine is exclusive representative in Australia and New Zealand for:

- [Hydromaster Propulsion](#) – high performance (retractable) azimuth thrusters and controls
- [Micfil Ultra Fine Filters](#) – ultra-fine oil filtration systems, **tripling lifespan** of your equipment
- [Syncrolift AS](#) – innovative ship dry docking and transferring systems
- [WaveFoil](#) – retractable motion damping and energy saving bow foils

## COMPETITIVE DISCRIMINATORS

- Our foundations are based on 30 years of know-how in global boat and shipbuilding, having built a fleet of ships for private, offshore, government and naval clients
- We pride ourselves to **Deliver In Full, On Time, In Scope & Specification**, working with streamlined processes of our quality assurance and safety management systems
- We offer turn-key and customised solutions with great flexibility, delivering exceptional results in close collaboration with our clients, partners, suppliers, and our dedicated staff members
- We provide a wide range of capabilities from conceptualisation to design, prototyping to customised or serial manufacturing, commissioning, trials, and full range of in-service support capabilities for commercial and defence applications

## KEY CUSTOMERS

- BAE Systems
- BMT Specialised Ship Design
- Bhagwan Marine
- Odyssey Marine
- Riverside Marine
- Survival Systems International

## KEY PARTNERS

- Cullys
- Poly WA
- Hydromaster Propulsion
- Micfil Ultra Fine Filters
- Praxis Automation
- Southerly Design
- Syncrolift AS
- Vikal International
- WaveFoil
- De Wolf Safety

## COMPANY INFORMATION

Annual Turnover: A\$ 0.5-1.0m  
No of Employees: 3  
Currently Exporting: Yes  
Current at: February 2022

## QUALITY CERTIFICATIONS

- Fellow of Institute of Engineers Australia
- ISO 9001:2015 (in progress)
- OH&S AS/NZS4801 (in progress)
- Design and manufacturing according to AMSA, IACS and AS/NZ standards, rules and regulations, as appropriate
- Product and type approvals with various IACS classification societies and certification institutes

## CONTACT DETAILS

Michael Bakker – Managing Director

E: [info@versatile-marine.com.au](mailto:info@versatile-marine.com.au)

Phone: +61 410 196 902  
+61 8 9467 7604

W: [www.versatile-marine.com.au](http://www.versatile-marine.com.au)

Address: **Workshop & Office**  
20 Egmont Road  
Henderson 6166 WA  
Australia

**Registered Address**  
8 Cavalaire Mews  
Port Kennedy 6172 WA  
Australia



INDIAN OCEAN  
**DEFENCE & SECURITY**  
CONFERENCE

# BEYOND TRANSITS

**2022**

THE EMERGING SECURITY RELEVANCE  
OF THE INDIAN OCEAN

26-27 July 2022  
Optus Stadium  
Perth, WA  
[indodefsec.com.au](http://indodefsec.com.au)



**DEFENCE**  
**WEST** 

## Why Western Australia?

- » We are a leader in advanced robotics, autonomous and remote operations, amphibious warfare and cyber security.
- » WA's geostrategic location confirms our position as Australia's Indian Ocean capital with an increasingly critical role to play.
- » We are investing in infrastructure and workforce development to ensure we are ready to deliver what Defence needs.
- » Our rapid, solutions-focused mining, oil and gas culture can be readily applied to the defence sector, increasing sovereign capability.

## Our plan

WA's Defence and Defence Industries Strategic Plan provides direction across 6 key strategies to ensure WA is able to be a key player in the national and international defence sector:



**Supporting a strong and enduring Defence presence**



**Building research and innovation partnerships**



**Growing the state's defence industry capability and contribution**



**Advancing education, training and skilling**



**Developing strategic infrastructure**



**Supporting veterans and their families**

## The economic opportunity for WA

Defence is an incredibly important contributor to a diverse and technologically advanced WA economy:

- » The WA Defence and Defence Industries Strategic Plan aims to double the contribution of Defence related activities to the Western Australian economy from

**\$3 billion in 2018 to \$6 billion by 2030**

- » The 2020 Defence Strategic Update and 2020 Force Structure Plan includes:

**\$270 billion**

national Defence capability expenditure over the decade to 2029-30

**\$183 billion**

in the maritime domain, a particular strength of the WA defence industry

## About Defence West

We are part of the team at the Department of Jobs, Tourism, Science and Innovation, the primary WA Government agency responsible for strengthening and diversifying the economy, and creating jobs.

Western Australia has a long and proud history of supporting our national security and Defence. We understand our strengths and potential, and champion the interests of the state's outstanding defence industry and capabilities.

We work to grow the sector, expand infrastructure, create jobs and deliver what Defence needs, and we work across Defence's 5 operational domains: information and cyber; maritime; air; space; and land.

## WA's Defence capability directory

Find out more about Western Australia's capacity and expertise to deliver across Defence's 5 operational domains.

[www.jtsi.wa.gov.au/wadefencedirectory](http://www.jtsi.wa.gov.au/wadefencedirectory)

## Contact Defence West

[defencewest@jtsi.wa.gov.au](mailto:defencewest@jtsi.wa.gov.au)

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 [www.wa.gov.au/defencewest](http://www.wa.gov.au/defencewest)

 [facebook.com/LikeNoOtherWA](https://facebook.com/LikeNoOtherWA)

 [linkedin.com/company/department-of-jobs-tourism-science-and-innovation/](https://linkedin.com/company/department-of-jobs-tourism-science-and-innovation/)

 [instagram.com/likenootherwa/](https://instagram.com/likenootherwa/)



Department of  
Jobs, Tourism, Science  
and Innovation

**DEFENCE**  
**WEST** 