

CAPABILITY
STATEMENT



REDEFINING FLUID SYSTEMS EXCELLENCE

DEFENCE AND MARINE



ISO 9001
ISO 14001
ISO 45001

BUREAU VERITAS
Certification



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OUR GUIDING PRINCIPLES



OUR VALUES



Integrity & Respect

Honesty; doing what is right; communicating frankly, openly, and with respect



Safety

Look after yourself and each other



Teamwork

Work together to achieve our goals



Accountability

Take ownership and responsibility



Reliability

For each other; for our customers; honour our commitments



Empowerment

Autonomy; unlock potential; create value

DELIVERING VALUE

We create value for our clients by seeking every opportunity to apply our subject matter expertise and exceptional client service with a focus on:



Productivity

Optimising equipment and system performance – to maximise your ROI



Risk Management

Delivering and maintaining quality, cost-effective and safe equipment and assets while mitigating risk



Innovative Solutions

Developing creative, innovative and fit-for-purpose solutions to meet our client's needs and objectives



Mutual Sustainability

Delivering skill, knowledge and understanding through our documentation, and user-intuitive products



COMPANY OVERVIEW

35 YEARS OF EXTENSIVE DEFENCE & TECHNICAL EXPERTISE

Watmar Engineering are Fluid System Specialists and service our Defence & Marine clients from our custom-purpose workshops and specialised testing facilities in Naval Base, Perth and Banksmeadow, Sydney.

We have an extensive network of regional partners with workshop facilities nationwide, and a broad range of mobile workshops and equipment to execute works at client and remote project sites.

We are Service Partners and Distributors for a broad range of Original Equipment Manufacturers.

Our Market Offerings

- Original Equipment Manufacture
- Through-life Mechanical / Rotating Equipment / Hydraulic & Fluid Power / Electrical, Instrumentation & Controls Sustainment Services
- Sustainment Services
- Equipment & Componentry Sales
- Specialist Welding, Fabrication, and Piping Services
- Equipment Hire



CERTIFIED FOR CONFIDENCE



DISP Qualified : Entry level = OFFICIAL and OFFICIAL : Sensitive



OUR EXPERTISE

TOP-TIER SOLUTIONS FOR DEFENCE AND MARINE

Fluid Systems

- Fuel Systems
- Purifiers & Separators
- Filtration
- Process & Potable Water Treatment
- Sewage & Waste Treatment
- Hydraulic & Lubrication Systems
- Heat Exchangers & Coolers
- Fire Deluge Pumps & Systems

Equipment & Componentry Sales

- Pumps & Fluid Systems
- Fluid Power Systems – Hydraulic, Lubrication, Pneumatic
- Mechanical Systems
- Rotating Equipment
- Valves & Actuators
- Motors & Drives
- Electrical Instrumentation & Controls

Through-Life Sustainment Services

- Inspection
- Maintenance & Repairs
- Rotable Spares
- Modifications & Upgrades
- Storage & Preservation
- OEM & Projects
- Decommission, dismantle, and harvest or disposal

Systems Original Equipment Manufacture

- Design, Engineer & Manufacture
- Assemble Under License
- Installation & Commissioning
- Asset Management





WHAT SETS US APART

- ✓ **35+ Years Defence Expertise**
Proven success, security clearances, and subject matter expertise.
- ✓ **Sovereign Manufacturing & Sustainment**
Proven skilled and experienced resources backed by facilities and equipment.
- ✓ **Comprehensive Engineering & OEM Support**
Proven OEM relationships, engineering support, and technical advisory.
- ✓ **Specialised OEM Service Partnerships & Distribution**
Proven OEM systems, equipment, and materials supply chain.
- ✓ **Advanced Fluid Systems Facilities**
Proven custom-purpose Fluid Systems workshops and test benches and equipment.
- ✓ **Nation-wide Project & Sustainment Services Execution**
Proven hire equipment fleet, site workshop containers, and human resources.
- ✓ **Extensive National Partner Network**
Proven partner facilities and resource pools Australia-wide.
- ✓ **End-to-End Asset Management**
Complete asset lifecycle management solutions.
- ✓ **Cross-Sector Synergies**
Leveraging complementary experience from diverse industrial sectors.
- ✓ **Reliable & Value-Adding Supply Chain**
Proven domestic and international supply backed by procurement and logistics expertise.



EXPERIENCE PROVEN SUSTAINMENT ACROSS ALL MAJOR VESSEL CLASSES

Watmar Engineering have proven Sustainment experience for the major vessel classes and are preferred Repair Agents for RMP-West and RMP-East (for Defence Australia's Regional Maintenance Provider program).

We also support the ship building programs of Luerssen Australia, Austal Ships, and BAE Systems Maritime.



**GUIDED MISSILE
DESTROYER**



**LANDING HELICOPTER
DOCK**



**AUXILIARY OIL
REPLENISHMENT
SUPPLY**



**AMPHIBIOUS BAY CLASS
LANDING SHIP DOCK**



**OFFSHORE PATROL
VESSEL**



ANZAC FRIGATE



**COLLINS-CLASS
SUBMARINES**





KEY CUSTOMERS

**TRUST THAT BUILDS
RELIABLE PARTNERSHIPS**



Defence & Marine

Defence Australia
Babcock
Thales
BAE Systems
Navantia
Luerssen Australia
Austal Ships
ASC
ASP Ship Management
JFD Limited
Echo Marine



Energy

Petrofac
Upstream Production Solutions
Chevron
Woodside Energy



Mining & Mineral Processing

Rio Tinto Iron Ore
IGO / Tianqi Lithium
Newmont
FMG
Glencore
Mineral Resources Limited

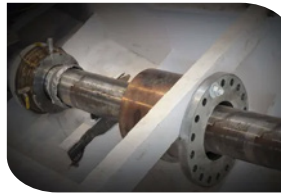


COLLABORATION & PARTNERING

STRATEGIC SERVICE PARTNERSHIPS & DISTRIBUTORSHIPS

Watmar Engineering are client-centric, focused on delivering value through creating and delivering solutions, collaboration, and innovation.

Our OEM Service Partnerships & Distributorships enable us to develop and deliver differentiated solutions, unique value propositions, and competitive advantage for our clients.



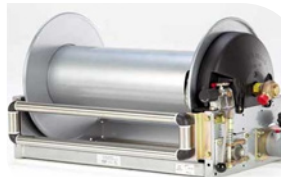
DURAMAX
MARINE



CAIME
Control Automation (MC) S.R.L.
Quatripole



Global Water Group, Inc.



+ Collins Youldon



Everblue



CR Ocean
Engineering



RICKMEIER
PUMPENTECHNOLOGIE



TAIKO



zahndor
PUMPEN



Leistritz



VALVESEAL
valves & sealing solutions



VALVESEAL
valves & sealing solutions



SUPPLY CHAIN

GLOBAL SUPPLIER NETWORK

Watmar Engineering leverage its proven and reliable Australian and international supply chain in support of systems, equipment, and componentry supply services, and projects and sustainment services execution.

In-house procurement and logistics expertise enables our efficient and cost-effective performance.

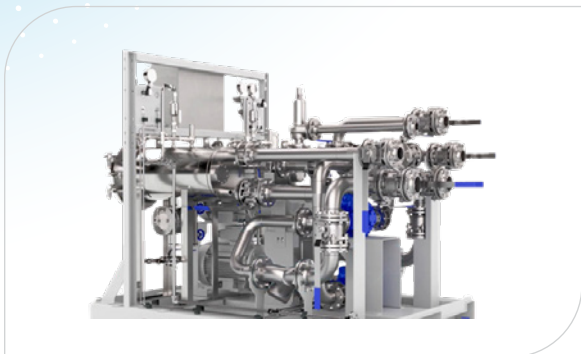


C.C.JENSEN



Global Water Group, Inc.





HELICOPTER FUELLING SYSTEMS & OIL PURIFIERS, FILTRATION, LUBRICATION & HYDRAULIC SYSTEMS

Defence Australia only appoint their best Repair Agents to maintain and repair and modify and upgrade critical systems such as helicopter fuelling systems and oil purifiers. We have been doing so for more than 30 years.

We maintain and repair, and troubleshoot and calibrate Alfa Laval, GEA Westfalia, DESMI, and Wärtsilä purifiers and separators for high reliability and operational dependency.

Jet fuels require technical subject matter expertise for materials compatibility and capability, which particularly applies to fuel forwarding and transfer pumps, filtration, instrumentation, and interconnecting piping and tubing.

Our subject matter expertise extends to lubrication and hydraulic (fluid power) systems and equipment across the breadth of marine systems and equipment, including in-line filtration for trouble-free operation and reliability.

We are the authorised Service Partner for CC Jensen (CJC) filtration systems and equipment for the Defence sector – our subject matter expertise extends across a broad range of Original Equipment Manufacturers and their systems, equipment, and componentry.

Our Mechanical Technicians are specially trained for the installation and commissioning, maintenance and repair, and modification and upgrades of hydraulic lubrication, and instrumentation piping and tubing, and for systems' cleanliness flushing.



PUMP & FLUID TRANSFER SYSTEMS, HEAT EXCHANGE SYSTEMS, AND SYSTEM CLEANLINESS FLUSHING

We are Original Equipment Manufacturers and / or System Assemblers of Fire Pump and Water Deluge Systems.

We have assembled diesel engine-driven fire pump packages of 800 – 850 kW, and 75,000 to 200,000 L/min for offshore Oil & Gas platforms and FPSOs.

In 2024 we completed building two identical Zone II Hazardous Area fire pump skids with automatic electrical and manual hydraulic starting systems for reliability and redundancy.

We have manufactured containerised water deluge pumping systems inclusive of filtration and chemical dosing to reduce fouling and increase the reliability of water deluge functionality.

Our Technicians are regularly engaged to flush and chemically clean, maintain and repair the water deluge piping and service and/or replace the sprinklers on Defence and Commercial Vessels.

Our Technicians are also regularly engaged to maintain and repair, and/or flush and chemically clean:

- plate and tube heat exchangers for reliable operation, and
- bilges and wastewater piping, tanking, and systems to remove contaminants and blockages, and for improved system operation.



PROCESS WATER & POTABLE WATER TREATMENT SYSTEMS

We are the Service Partners and hold the Technology IP Rights for Australia for Caime Industries (Spain) for the Quatipole Reverse Osmosis Water Treatment Plants installed aboard Defence Australia's Guided Missile Destroyers (DDGs) and Landing Helicopter Docks (LHDs).

We are regularly engaged to maintain and repair the Clean & Potable Water systems across a breadth of classes of Defence vessels to ensure reliable, trouble-free operations of these critical systems.

We have been engaged to refurbish and rebuild – including modifications and upgrades – Reverse Osmosis (RO) Water Treatment Systems in operational life extension.

We further source and supply, install and commission, and maintain and repair Clean & Potable Water treatment systems for commercial marine and luxury yachts. Most recently we have been engaged to supply, install, and commission two identical RO water treatment systems for the Sail Training Ship Leeuwin II, to enable operational flexibility and redundancy capacity in production of clean and potable water.

We are now extending our capabilities for portable water treatment systems to support Defence Forces' remote field operational deployments, with the operational flexibility to treat poor / highly variable input water quality. These systems are also suitable for industrial application and by remote communities where input water quality is variable and operational reliability is critical.



MARINE STABILISER SYSTEMS SPECIALIST WATER-LUBRICATED BEARINGS & SEALS

We have significant experience and subject matter expertise for Marine Stabiliser Systems including Naiad Dynamics, Quantum Stabilizers, and Defence Vessel platform proprietary systems.

These systems draw on our technical expertise for mechatronic marine stabilisation and propulsion systems, pumping and fluid transfer, filtration, hydraulics and lubrication systems, and electrical and controls systems.

In recent years we have been engaged by Luerssen Australia for Technical Supervision and Advisory services for the installation of the Quantum Stabilizer stabilising fin systems for the Offshore Patrol Vessels (OPVs). Most recently we have initiated the maintenance of the stabilising fin systems for NUSHIP Arafura (OPV1).

Watmar Engineering is also the Defence sector authorised distributor and Service Partner for Duramax Marine and its range of:

- environmentally friendly water-lubricated bearings and seals for use in marine propulsion systems, cutter-head dredges, hydroelectric turbines, and Industrial pumps; and
- advanced propulsion shaft seal, heat exchange, and impact protection systems.

Duramax Marine stern tube and strut bearings are known worldwide for their high quality and dependable performance for military and commercial marine vessel and luxury yacht application.



CODED WELDING, SPECIALIST FABRICATION, PIPE & TUBE BENDING, AND ELECTRICAL WORKS

Watmar Engineering employ coded welders and specialist fabricators, essential to executing maintenance and repair, and modification and upgrade Works for Defence vessels.

We are regularly engaged to custom manufacture the piping, HVAC ducting, sheet metal, and structural steel required for the sustainment of Defence Australia vessels. Materials include (but are not limited to) stainless steel, copper-nickel alloy, bronze, coated or galvanised carbon steel, aluminium alloy, and Inconel and Hastelloy nickel alloys.

Coded welding and ship penetration Works require high attention to detail and traceability records and reporting.

We execute specialist pipe and tube bending for integration of equipment and systems across Defence and Commercial Marine vessels, and Luxury Yachts.

We have specialist hire equipment, expertise, and experience to ensure that interconnecting and integration piping and tubework is flushed for required systems cleanliness, enabling optimal and reliable operations.

Our Electrical Technicians have specialist Marine experience and speed our execution of Works across the mechatronic systems and equipment we specialise in. We are regularly engaged to execute Electrical, Instrumentation, and Controls works for such systems, and their interconnection and integration to ship systems.



SEWAGE TREATMENT, WASTE & DOSAGE SYSTEMS; ROTABLE SPARES – PUMPS & ROTATING EQUIPMENT

We are subject matter experts for (grey and black) wastewater fluid handling and treatment systems and equipment, macerating pumps, dosage systems, sewage treatment plants, and waste shredders and compactors. Whether clean, tough, or dirty, we deliver the sustainment works professionally, reliably, and efficiently.

We are the Service Partners and hold the Technology IP Rights for Australia for Caimo Industries (Spain) for the Quatripole wastewater treatment and chemical dosing systems, and waste shredders and compactors installed aboard Defence Australia's Guided Missile Destroyers (DDGs) and Landing Helicopter Docks (LHDs).

Watmar Engineering conduct maintenance and refurbishment of a broad range of pumps as rotatable spares for the breadth of Defence Australia vessel platforms. We are particularly known for maintenance and repair of macerator pumps, which incur heavy duty operational service onboard Navy vessels.

Rotable Spares maintenance and refurbishment activities extend to pumps, fluid transfer equipment, and rotating equipment (including industrial and specialist ventilation fans). Should an asset be beyond economic repair, we communicate this to our client and can offer to source and supply a replacement unit to suit requirements.

We further manufacture (to proprietary design) or assemble under license chemical dosing systems for waste and wastewater system application (and mineral processing and Oil & Gas processing requirements).



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