



PRESSURE DYNAMICS

**Industry Leading Provider of Engineering
and Maintenance Solutions**



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www.pressuredynamics.com

CAPABILITIES

- Hydraulic system design, build, commissioning, repair, and sustainment
- Defence-compliant system flushing, pressure testing and cleanliness verification
- Supply, manufacture, testing and flushing of hoses compliant to Defence requirements
- CNC capability for machining of hydraulic components including manifolds and cylinders
- Davit crane installation, commissioning and maintenance specialists
- Engineering and project delivery for complex scopes, inclusive of the provision of Objective Quality Evidence (OQE)
- Onshore and Offshore asset sustainment and preventative maintenance

INDUSTRIES WE SUPPORT

- Oil & Gas
- Marine
- Infrastructure
- Mining
- Defence
- Power & Utilities

DEFENCE EXPERIENCE

- 40+ years supplying hose assemblies, components and fittings to Defence Primes
- 30+ years hydraulic systems support across multiple vessel classes (Anzac, Arafura, ACV Bay, Pacific Patrol, Armidale, Cape and Evolved Cape Class)
- OPV shipbuilding support including schematic line installation, davit installation, davit repair and maintenance, fire suppression system installation, and certified flushing and pressure testing

Cairns and Darwin Support – Austal, NORSTA, Norship

Maintenance, repair and refit services for:

- Ride Control Systems
- Capstans
- Davits and Deck Cranes
- Watertight Sliding Doors
- Steering Systems
- Critical shipboard hydraulic systems

DISCRIMINATORS

- **Proven Defence Delivery** – Established track record across naval shipbuilding and fleet sustainment programs.
- **Davit & Lifting Capability** – In-country agent for Global Davit and QLD agent for Vestdavit, providing OEM-backed inspection, repair and lifecycle support.
- **Specialist Engineering Services** – System digital twin modelling for design verification and complex troubleshooting, and integrated machine learning for predictive maintenance capabilities
- **Electro-Hydraulic Expertise** – In-house design, manufacture, installation, testing, commissioning and troubleshooting of mission-critical hydraulic systems for maritime applications.
- **Rapid Regional Mobilisation** – Facilities in Bibra Lake, Darwin, Cairns and Karratha enabling fast, flexible deployment.
- **Defence & ISO Aligned Systems** – Certified processes and quality frameworks meeting naval compliance requirements.



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STRATEGIC PROGRAMS

AUKUS Pilot Program – Supplier Onboarding Update

- Successfully onboarded into the AUKUS / Global Supply Chain via H&B Defence (AUSSQ) – AUKUS – Australian Authorised User Number – AUK0001680
- Allocated a unique Supplier ID – HII/NSS Supplier ID: 132881
- Hellios ID:30002114
- CMMC 2.0 Level 2 Certified –Enables secure handling of Controlled Unclassified Information (CUI) and participation in US and AUKUS defence programs.

KEY DEFENCE PARTNERSHIPS

