



FLOWTECH
AUSTRALIA

CAPABILITY
STATEMENT



VISION

Flow Tech Australia provides specialised support in the Defence and Commercial Marine Industry for Mechanical Engineering and Pipe Fabrication with over 30 years experience in the industry. An Australian owned company, we are also renowned as subject matter experts internationally.

Our Head Office in Sydney with established workshop facilities in Henderson, Darwin and Cairns provide services and support domestically.

EXPERIENCE

Our diverse expertise and intensely innovative technical resources ensures safe and successful completion of your project wherever your business is located – every time.

Our Flow Tech team is respected as dynamic, highly professional and intuitive, delivering a level of in-service support that is unmatched on a global level.

Flow Tech is Accredited to ISO 9001-2015, ISO 14001-2015, and ISO 45001-2018. Welding ISO 3834 ,Lloyds, DNV.GL & ABS

Lloyds Approved Service Supplier.

POSSIBILITIES

From general maintenance and existing system upgrades on marine vessels and specialised marine equipment, to complete turn-key packages designed, manufactured and installed, our skills have supported thriving companies like yours to fulfill their potential.

Flow Tech are an importer of a variety of parts, materials, and manufactured components.

HEAD OFFICE

SYDNEY
32/176 South Creek Road, Cromer NSW
2099

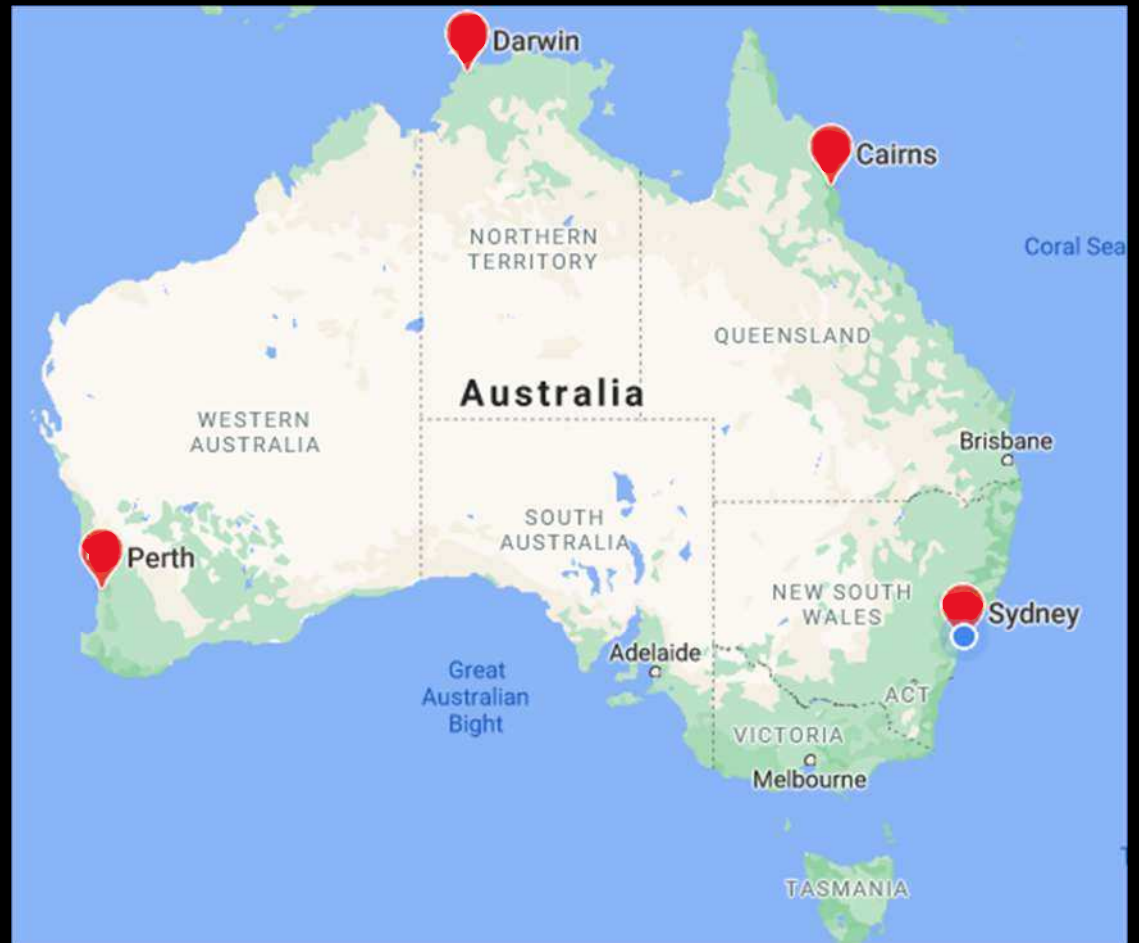
Sydney - HMAS Kuttabul
Garden Island ,
Potts Point, NSW 2011

PERTH
1 Contest Link,
Henderson, WA 6166

DARWIN
4/3 Cochrane Road,
East Arm, NT 0822

CAIRNS
3/5 Walters Street
Portsmith, QLD 4870

Contact:
Chris@flowtech.net.au
Flowtech.net.au



OUR SERVICES



Flow Tech Darwin

- Chemical Cleaning Specialists of Sewage and Seawater Systems
- Accredited Poly Welding
- Exclusive Agents for Metaline Specialised Coatings
- All general plumbing and non-welded piping systems – large range of ABS held in stock
- Mechanical fitting services by qualified Technicians
- Rigging, Working at Heights & Confined Space work
- Diagnostics and repair of Black & Grey Water/STP Systems
- Survey, Testing and Calibration services
- Priority/URDEF work
- Hydraulic systems – flushing, inspection, analysis, oil sampling
- Overhaul & testing
- Engineering and CAD Design
- Laser alignment and vibration analysis of equipment
- Electric motor – testing, removal, overhaul and set to work
- Flow system analysis equipment and pipework
- Marine Material Specialist Suppliers - Copper Nickle Pipe and Fitting
- Defence Project Management Software (App)
- Specialists in AFFF Systems

CAIRNS – Support Facility

- Mechanical Ship Support / Repair
- Turn Key installations – BWTS, OWS etc
- Piping Systems – Repairs and upgrades
- Specialised Coatings – Metaline
- Corrosion preventions
- Machine and Fabrications services – ISO 3834 Welding Certification



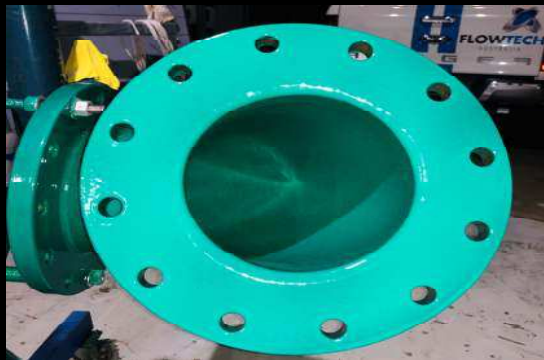
M E T A L I N E

ELASTOMERIC COATING TECHNOLOGY

Giving solid surface a, rubberlike character & changing basic external parameters as our first choice for the protection of components subjected to erosion, cavitation corrosion or wear. Metaline is a defence endorsed product

Used for:

- Heat transfer rate hardness
- Erosion protection
- Cavitation Protection
- Non-stick function
- Shock absorption
- Noise deadening
- Scratch prevention
- Electrical Insulation



BRINGING TOGETHER TRADITIONAL WELDING TECHNIQUES, EXTENSIVE DEFENCE EXPERTISE AND PRIDE IN OUR RELATIONSHIPS, WE HAVE GROWN TO BE DIVERSE, DYNAMIC AND A STRONG SUPPORT WITHIN THE DEFENCE MARINE INDUSTRY.

PROJECTS

HMAS ADELAIDE
HMAS ALBANY
HMAS ANZAC
HMAS ARARATA
HMAS ARMIDALE
HMAS ARUNTA
HMAS BALLARAT
HMAS BATHURST
HMAS BRISBANE
HMAS BROOME
HMAS CANBERRA
HMAS CHILDERS
HMAS CHOULES
HMAS DARWIN
HMAS GLENELG
HMAS HOBART

HMAS LARRAKIA
HMAS LAUNCESTON
HMAS MAITLAND
HMAS MARYBOROUGH
HMAS MELBOURNE
HMAS NEWCASTLE
HMAS PARRAMATTA
HMAS PERTH
HMAS PIRIE
HMAS SIRIUS
HMAS STUART
HMAS SUCCESS
HMAS SYDNEY
HMAS TOBURK
HMAS TOOWOOMBA

SUPPLIER

MANUFACTURE

INSTALL

HENDERSON SUPPORT FACILITY



Chemical Cleaning Specialists of Marine Pipe Systems - Piranha Vac
Rigging, Working at Heights & Confined Space work
Mechanical fitting services by qualified Technicians
AFFF Systems – Maintenance and Repairs
Priority/URDEF work
Flow system analysis equipment and pipework
Marine Material Specialist Suppliers –
Loro Pipe and Fittings
Copper Nickel Pipe and Fittings



OUR SERVICES AND PRODUCTS

- Lloyds Approved Coded Welding;
- Welding ISO 3834
- CuNiFe, stainless and carbon steel pipe spool fabrication and installation
- Mechanical equipment installation and removal (rigging)
- Chemical cleaning of seawater systems, black & grey water inc. Piranha Vac
- Fabrication & repairs to pipes and vessels
- Ballast Water Treatment Systems (BWTS) - Turn-key (Design, Approvals, Installation and Commission)
- Centrifugal Oily Water Separator (COWS) - Turn-key (Design, Approvals, Installation and Commission)
- CNC Equipped Workshop
- Valve, Gearbox and Rod gearing – servicing, overhaul & testing
- Heat exchanger servicing; overhaul and testing
- Pump & rotating equipment repair, upgrade & testing
- Metaline (specialised coatings)
- GRE / FRP Pipe work
- Aquatherm and George Fischer pipe
- Swagelok
- Varivane Industries Limited
- Specialised Pipe & Fittings - CuNiFe, GRE, Stainless/SAP
- Alfa Laval – Endorsed Installers
- LORO X Pipes and Fittings

SYDNEY – HEAD OFFICE / WORKSHOP



iiw INTERNATIONAL INSTITUTE OF WELDING **iiw**

Having satisfied the requirements of the
IIW Manufacturer Certification Scheme
according to **ISO 3834**

Company: Flow Tech Australia Pty Ltd
The Unit: Workshop
Located in: 32/176 South Creek Road, Cromer, NSW 2099

is certified in accordance with
AS/NZS ISO 3834 Part 2

For the product(s):

- Ship-based Piping
- Fixed fire fighting system pipework/aqueous film forming foam system pipework
- Sewage piping & drain lines
- Gauge Lines/Air Lines
- Bulkhead Penetrations

with the scope of work stated in the attached Schedule

Certificate number and revision status: **AU 068 – Rev. 0**

First issue date: 03/11/2020
Current issue date: 03/11/2020
Date of expiry: 03/11/2025

ANBCC Governing Board Representative
Richard Fowles

Scheme Manager
Paolo Corronca

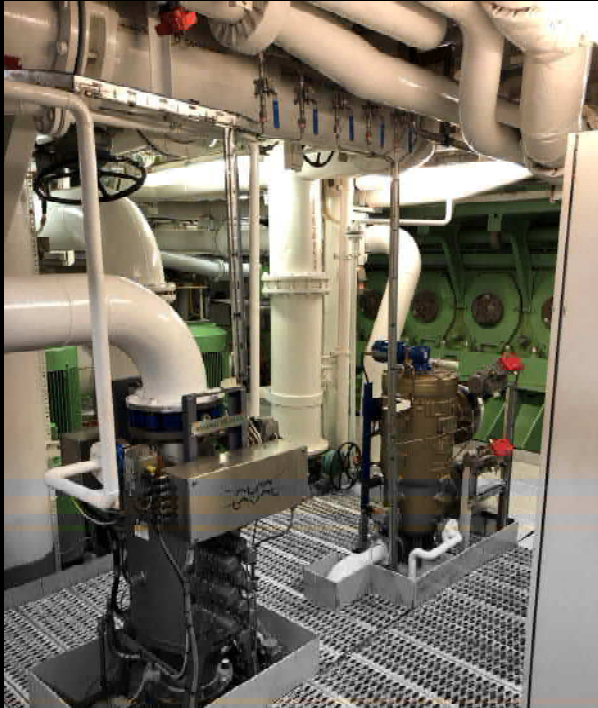
Weld Australia
Australia

Weld Australia

iiw This Certificate is subject to the rules established by IIW: for the certification of Companies **iiw**

HMAS SIRIUS - OILY WATER SEPARATOR

Flow Tech worked closely with Ship Managers A&P in developing a suitable piping system layout and completed the final fabrication, install and assisted Thales Australia in commissioning the finished product. All aspects were completed to a Lloyds Standard with military precision.



CSL GOLIATH BALLAST WATER TREATMENT SYSTEM

- CSL group approached Flow Tech to provide the engineering solution and turnkey package for the installation of 2 x Ballast Water Treatment Systems (BWTS). A riding team was created to survey the vessel and quickly determined the best approach to the project.
- Our Design team and mechanical engineer effectively determined the requirements of the OEM, the system mechanical and electrical components as well as the Lloyds Certification requirements. With a comprehensive understanding of the task, the design team generated a scope of works with Structural / Mechanical drawings for the new equipment and provided a complete set of ISO drawings for an off-shore company to fabricate and install the new BWTS.
- A full submission to Lloyds was completed (MDAD) and approval granted to conduct this installation. Flow Tech provided a Project Management team to supervise the installation of the BWTS during a 45 day Dry Docking overseas. On completion of the installation, Flow Tech engaged with the OEM and ship's staff to conduct Set to works and provide the crew with system operational training during sea trials.