

SPECIALIST WELDING SERVICES

**AusGroup**

INTEGRITY | DELIVERY AGILITY | CERTAINTY



# Specialised welding for complex fabrication and construction projects

Specialised welding is a core part of AusGroup's fabrication, construction and maintenance offering. Providing welding of an extremely high standard using modern welding equipment that can deliver consistently high quality whilst improving productivity and efficiency.

Our workshop capabilities include piping, structural steel and heavy plate fabrication of all grades of materials, whilst maintaining stringent standards and practices. With over 1600 Welding Procedure Qualification Records (WPQRs) developed through our extensive welding experience in the Oil & Gas, Mining and Industrial sectors.

**Our welding complies with all international standards such as DNV, ASME IX, AS2885, ASME B31.3, AS 1554 and AWS D1.1.**

## Specialist Welding Capabilities

- Carbon steel
- Stainless steel
- Duplex
- Aluminium
- CRA clad
- Super duplex
- Inconel
- Copper nickel
- and more.



## Specialist fabrication equipment

- ANCA 2000 and Hypertherm CNC Profile Cutting Machine - The ANCA 2000 and PlateMaster CNC controllers plate cutting machine, with two separate cutting gantries, fitted with both plasma and oxy-fuel cutting heads to allow large plates to be stripped ready for fabrication.
- FICEP TIPOA31 Plate Processing Machine - A new FICEP plate processing machine with plasma, oxy-fuel, drilling and milling capabilities is primarily intended for automatic production of small plate fittings.
- FICEP 1203DJB Beam Line - A new FICEP beam drilling and sawing line with the capacity to automatically drill saw and mitre cut beams and sections up to 1,200mm wide.
- Presses - one brake press and two pedestal presses.
- Guillotine - A guillotine capable of cutting 2mm to 16mm in thickness.



## Pressure testing capability

Our pressure testing capability is NATA accredited and comprises pressure testing laboratory with Hydro and Pneumatic testing capabilities.

With the capacity for hydro testing up to 90000kPa and pneumatic testing up to 40000kPa, we also offer mobile testing solutions. Our mobile testing laboratory is equipped with everything required to carry out safe and efficient on-site testing. Our range of blind flanges bolts and bolt tensioning equipment delivers a quick turnaround at highly competitive prices, and include:

- Hydrostatic testing of pipes, hoses, valves, vessels and fittings to 90,000kPa
- Pneumatic testing of pipes, hoses, valves, vessels and fittings to 40,000kPa
- Bolt torquing
- Bolt tensioning
- Reinstatement

**250m<sup>2</sup> radiographic testing enclosure with radiation barriers including a 2,000m<sup>2</sup> pre-NDT and inspection laydown area.**

## Large steel fabrication capabilities

Powered by AGC, our fabrication and manufacturing facilities are strategically located within Perth's 'High Wide Load Corridor' in Kwinana. With an in-house capacity to fabricate up to 30,000 tonnes of steel products per annum, we have manufactured, tested and commissioned some of Western Australia's largest fabricated steel structures including:

- Iron ore rail car dumpers
- Conveyors
- Piles and risers
- Pipe spools
- Preassembled pipe racks and modular frames
- Processing modules and skids
- Stackers, reclaimers and ship loaders
- Subsea modules
- Pressure vessels and storage tanks
- Wellhead platforms and jackets

AusGroup has an experienced project management capability able to undertake large and complex fabrication projects.

The fabrication facilities are also equipped with semi-automatic and manual welding plant including submerged arc (SAW), TIG, GMAW, FCAW and MMAW. Equipment includes:

- CNC machines used for the processing of plate
- CNC automatic beam drilling and sawing line for processing of hot rolled steel sections
- A CNC pipe profiling machine utilised for the geometric development and cutting of pipe
- Pipe cutting/bevelling machines

## In-house capacity to fabricate up to 30,000 tonnes of steel products per annum.



## Value Proposition

**Highest quality** – Our range of specialised welding capabilities ensures we deliver the highest quality of work for our clients.

**Modern welding equipment** – maintains consistent quality whilst offering clients cost-effective solutions.

**Extensive Experience** – in the development and management of weld procedures, welder qualifications, and welding verification.

Powered by:

