



INDUSTRIAL INSTALLATION
& MAINTENANCE PTY LTD

Capability Statement

About Us

Leaders in industrial fabrication and installations

IIM is one of Queensland's largest fabricators of mechanical pipe spooling, pressure vessels, structural steel fabrication and site installations. With an annual turnover of more than \$25 million and over 100 personnel we have enjoyed sustained growth since the Company's foundation in 1974. Our 4 800 sq meter workshop is situated on freehold premises strategically located in the heart of Brisbane's industrial precinct with close proximity to the Port of Brisbane, the Gateway motorway and the international airport. The combined industry experience of our key personnel spans over 200 years and has ensured that we keep delivering quality and value to our customers.

Our Philosophy

Value added relationships with key stakeholders

We endeavor to maintain our sustained growth and position as a market leader leading the industry in safety, quality, value creation, service and conformance. It is our vision to continue to develop mutually beneficial relationships with our customers, employees and other key stakeholders.

Our Approach

At IIM we deliver

- Competitive products and services
- Quality through full compliance to manufacturing standards
- Stakeholder value by taking a professional approach to value added service
- A safe work environment through the observance of best practice safety standards
- Professionalism, integrity and honesty in all our dealings



Our Service

Fabrication

IIM has a diverse and highly skilled fabrication team numbering over 100 employees. We are capable of delivering major projects, historically exceeding set delivery schedules. Our strategic relationships with NATA accredited non-destructive testing institutions and capability for onsite post weld heat treatment ensures the on time delivery of your project in accordance to ISO 9001:2000 standards.

Industrial Blasting & Coating

We offer a complete industrial blasting and coating service on site and are able to apply a diverse range of protective coatings to various specifications. We have a dedicated industrial blasting and coating team, ensuring we maintain our high levels of quality and adherence to delivery schedules.

Planning

Our project management team will work closely with you to ensure that priorities and key milestones are attained. We are able to offer insight and will relay suggestions in a timely manner to ensure that your project is delivered in accordance to your expectations and our high quality standards.

Cost Control

We can ensure that your project will be delivered on budget by providing detailed estimates from supplied isometric drawings. We are able to offer competitive pricing on the following basis:

- Fixed lump sum
- Unit rate
- Hourly rate

Installation

IIM has had extensive experience in site installations and has been involved in major shutdowns and turnaround projects. We are able to operate in a dynamic and adaptive manner when engaged at a client's site.

Machining

Our workshop is equipped with a 6 meter bed lathe, milling machine and radial arm drill capable of large diameter bores. Our machining capabilities include the refacing of flanges, bevelling, large diameter thread cutting and milling. This ensures that IIM retains project control by delivering these essential services in house.

Procurement

IIM has an extensive supplier list and is able to source materials from reputable suppliers at competitive rates. We will assist in the compilation of a bill of materials, material tracking and assure full material traceability on completion of your project.

Welding Procedures

IIM has developed over 140 welding procedures in accordance to ASME-IX and AS3992. Some of our procedures included but not limited to:

- GTAW
- MMAW
- GMAW
- Flux Core
- Metal Core
- Sub Arc
- Carbon Steel
- Low-Alloy Steel
- Cr-Molly
- Stainless Steel
- Duplex & S/Duplex
- Nickel Alloys
- Various other exotic metals



Our Service

Design Services

IIM offers a range of design services to clients with the key goal of using our extensive experience with manufacturability and material affordability / availability during the design phase of a project in order to ensure the best price, lead time and manufacturability options are incorporated. This ensures that our clients are provided with the peace of mind that the designed items can be manufactured using the best lead time options with lowest manufacturing cost options. Clients can also be assured that project schedules are accurate and have been produced based on real data from previously completed works.

Mechanical Design

Piping & Equipment Material Specification
Plant and Piping Layouts
Piping Stress Analysis
Pressure Vessel and Tank Design
Design of Pipe Supports, Steel Support Structures
& Access Platforms and ladders.

Design Drafting

Block Flow, PFD & P&ID Drawings
2D & 3D CAD Design Drafting
Plant/Site Layouts and Plot Plans
Module/Skid 3D Layouts & Design
Piping Isometrics
Detailed Fabrication Drawings
On-Site As-Building

Electrical and Instrumentation Services

IIM offers a range of E&I services through our preferred vendor Southern Cross Electrical Engineering (SCEE). IIM liaise closely with SCEE during the design and manufacturing phases to ensure where possible any bracketing, cable routing, etc is optimized during manufacture of skid frames in order to reduce the quantity of mechanical works to be completed by electrical personnel. IIM have completed a number of skid E&I supply and installation packages. Scope of services include,

Modular (OEM) Equipment E&I Fabrication and Installation
Hazardous Area Inspections
Supply and installation of power, control and instrumentation cables
Supply and installation of junction boxes
Supply and installation of cable glands, fittings, steel conduits and bushings, cable ladder, supports and guides.
Testing of installed cables
Installation of instruments
Supply and installation of instrument upstands and sunshades
Supply and installation of SS impulse lines
Instrument Calibration



Our Facility

Strategic location and modern equipment

At IIM we have a policy of updating our equipment on a regular basis and in a timely manner. We have a rigorous maintenance schedule to ensure that our plant and equipment is maintained in top working order, ensuring a minimum of interruptions to the workflow and the timely completion of your project.

Workshops and yard space

- 1 x 5,000 sq meter fabrication workshop
- 1 x 1,600 sq meter fabrication workshop (stainless steel)
- 1 x 2,280 sq meter industrial coating workshop
- 1 x 150 sq meter industrial blasting room
- 1 x 57 000 sq meter yard

Fabrication plant and equipment

- 50 fully equipped welding bays with Kemppi GMAW/FCAW/GTAW & SMAW welding machines
- 8 x Miller pipeworx 400 dual wire feed welding systems capable of GMAW/FCAW/GTAW & SMAW
- 2 x semi automatic welding machines with 24 meter beds
- 1 x 10 tonne welding positioner
- 3 x 3 tonne welding positioner
- 4 x 2 tonne welding positioner
- 2 x 1 tonne positioners
- 2 x 5 tonne positioners
- 16 x 500kg welding positioners
- 1 x Band saw to 200NB
- 1 x Band saw to 600NB
- 1 x Hydraulic bevelling machine
- 3 x Pneumatic Bevelling machines
- 1 x Elbow cutter
- 2 x Sub arc welding plants
- 1 x Thermal Dynamics PAK 200 Plasma cutter with automated pipe cutter (cut to 40mm)

Craneage

- 3 x 10 tonne over head cranes
- 7 x 5 tonne overhead cranes
- 1 x 35 tonne Slew crane
- 1 x 14 tonne Franna crane
- 1 x 12 tonne Franna crane

Machining and milling

- Radial arm drill
- Lathe with 6 meter bed
- Milling machine
- 4 x Forklifts

Non destructive testing and post weld heat treatment

- ON-site hydrostatic testing facility and equipment
- On-site third party NATA Certified Hydrotesting Inspector
- On-site NATA approved NDT
- On-site PWHT
- 1 x 120 sq meter exposure bay
- 1 x 50 sq meter exposure bay



Our Production Capabilities

Quality assurance, safety performance and on time delivery

- 10 000 weld inches per week
- 5 000 tonnes or 200 km of fabricated pipe spools per annum
- Fabrication up to 3 000mm diameter with 8mm wall thickness
- Fabricated lengths of up to 36 000

Completed Projects

Client	Project Name	Services Provided	Project Value
Origin	3 off Nitrogen Gas Storage Vessels	Vessel Design, Vessel registration, detail drafting, supply of materials, fabrication, NDT, hydrotesting, surface treatment and delivery	\$59,000
Santos	3-Phase Separator Vessel	Vessel Design, Vessel registration, detail drafting, supply of materials, fabrication, NDT, hydrotesting, surface treatment and delivery	\$46,000
BP	BP Blackport Bitumen Plant Skids 1 x Hot Oil Pump Skid 1 x Heat Exchanger Skid 2 x Pump Skids 1 x Gantry Skid	Piping and Structural Frame Design, detail drafting, supply of materials, fabrication, NDT, hydrotesting, surface treatment and delivery and installation on site	\$634,000
Santos	2 x Brine Injection Skids 6 x Ancillary Skids	Piping and Structural Frame Design, detail drafting, supply of materials, fabrication, NDT, hydrotesting, E&I Installation and surface treatment	\$1,429,000
Arrow Energy	RTU Skid Frame	Structural Frame Design, detail drafting, supply of materials, fabrication, NDT, and surface treatment	\$21,000