



CAPABILITY STATEMENT

Established in 1993, P&A Welding Pty Ltd can provide multidisciplinary construction experience encompassing design, workshop and site fabrication, civil, structural, mechanical, electrical and instrumentation, installation and commissioning disciplines.

We have an experienced and qualified team of trades, engineers, supervisors and equipment to complete construction and piping projects, with the capabilities to execute all works safely, on time and in the most cost-effective manner to provide the best overall project solution *as a single source*.

FABRICATION

We have excellent workshop facilities and equipment and highly experienced trades that can produce a vast range of piping up to unlimited diameter in standard and exotic materials as well as pressure vessels and skids and all structural items, in compliance with relevant standards and client specifications and drawings. We can provide non-destructive testing, hydrostatic pressure testing and surface treatment etc. to ensure a quality finished product. Each project is subject to a rigorous traceability system, with a fully compliant manufacturers data record provided upon completion. P&A Welding Pty Ltd hold certification to ISO 9001:2015 for Quality and ISO 45001:2018 for Health and Safety.

CONSTRUCTION

We have experienced trade resources and relevant equipment to complete construction projects in remote, regional and metropolitan areas. The construction team is able to fully execute the project from design works, earthworks, civil, structural, mechanical, piping and electrical and instrumentation, as well as installation and commissioning scopes, and undertake in-service welding on high pressure gas pipelines utilising qualified welders and welding procedures.



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FABRICATION

P&A Welding Pty Ltd has offices and workshops in Perth, Western Australia. We operate two fully equipped modern construction fabrication workshops in Bibra Lake in the Perth metropolitan area, centrally situated and within easy access to main transport routes and approximately 30 minutes from the major International port at Fremantle.

Workshop No. 1, utilised for fabrication of carbon steel pipework and structural assemblies:-

Dimensions: 890m²

Door Height: 7m

Clearance Height from hook to floor level: 7.5m

Bitumen Yard: 4612m²

Separate Laydown Area: 4000m²

Equipment: 2 x 5T Gantry Cranes / 10T BHB Linmac Crane / 4T Cat Crawler Crane / Hyster 2.5T Forklift /

Various cutting and welding equipment.

Workshop No. 2, utilised for fabrication of non-ferrous pipework and supports:-

Dimensions: 370m²

Door Height: 6m

Clearance Height from hook to floor level: 5m

Equipment: 1 x 3.2T Overhead Crane / Yale 2.5T Forklift / Various cutting and welding equipment

Laydown Area: 1000m²

We have an extensive database of qualified P&A Welding Pty Ltd and Client Weld Procedures, as well as welder qualifications, in various codes e.g. AS2885.2, ASME B31.3, AS4041, DNV, AS1554, ASME IX, AS1210, AS3992, AWS D1.1 and AWS D1.6, for carbon, stainless, duplex, super duplex, CuNi etc. materials, as well as in-service welding procedures for pipelines.

P&A Welding Pty Ltd can organise the services of subcontractors for NATA certified NDT, PWHT and hydrotesting, survey, surface treatment, civil and concrete works, electrical and instrumentation, machining and transport etc.



Capabilities

Piping fabrication, testing & installation	Heavy wall carbon steel and exotic material spooling
Pipeline carbon steel main line facilities piping to AS2885 and B31.3	Carbon steel and stainless steel piping, pressure vessels, structural items, filter platforms, skids and supports for Pipeline Meter Stations
Workshop fabrication and site installation of Pig Launchers and Pig Receivers for Pipeline Projects	Pig Trap Support fabrication
Carbon steel and exotic material piping and supports fabrication for offshore facilities	Stainless steel, Duplex and Super Duplex piping fabrication for offshore facilities
CuNi, Inconel and Zeron pipework and assemblies for offshore facilities	Structural steel components, toolbox containers and container fit-outs
Certified and qualified welding, pipefitting and boilermaking personnel	Plant equipment and qualified personnel for installation service

Project Experience

Interconnecting Gas Pipeline Piping

Client:	Westgold Resources
Scope:	Offsite Piping fabrication for the Tuckabianna, Fortnum, Big Bell and Bluebird Gas Pipelines. Scope includes fabrication, NDT, hydrostatic testing, surface treatment and wrapping of above and below ground pipe spooling for the new LNG Facilities and Power Stations at each of the Cue, Fortnum, Big Bell Gold Operations and Bluebird Underground Gold Mine sites. P&A Welding Pty Ltd also completed site installation of all fabricated spooling in Q3/Q4 2023.

Offshore Facilities Piping Fabrication (Current and ongoing)

Client:	Woodside
Scope:	Carbon steel, stainless steel, duplex and super duplex spooling, flanges, orifice plates, spacer rings and supports. Scope includes fabrication, survey, NDT, hydrostatic testing, surface treatment, pickling and passivation and packaging for various offshore facilities i.e. Angel, North Rankin 'A', Goodwyn 'A', OKHA FPSO, Vincent FPSO, Nganhurra FPSO etc.

Offsite Piping & Skid Packages

Client:	APA Group
Scope:	Murrin Murrin Compressor Station, consisting of fabrication utilising free-issue materials, NDT, hydrotesting and surface treatment (above and below ground, pickling/passivation) of all piping, Compressor and Station Isolation Valve Skid Piping, Utility/Fuel Gas Skid Piping, Fuel Gas Metering Skid Piping and Off-Skid Piping, as well as structural items; Compressor and Station Isolation Valve Skids, Fuel and Metering Skids, pipe supports, access platforms and instrument stands etc.

Client:	APA Group
Scope:	Northern Goldfields Interconnect (NGI) Pipeline – Skid Fabrication – Offsite Piping and Structural Fabrication, consisting of fabrication, testing and surface treatment of 5 x Skids (Filtration, Metering A & B, Pressure/Flow Control and Outlet Isolation) for the Wildara Delivery Station, together with fabrication and load testing of Spreader Beams.

Client:	Valmec Australia Pty Ltd / APA Group
Scope:	All Piping, Offtake Station, MLV1, Metering Station, Delivery Station, Power Station Consumer Pipelines, Pig Launcher and Pig Receiver as well as Supports, Valve Pig Lid and Ladder and Satellite Dish Mounting Poles for the Yamarna Gas Pipeline. Scope included fabrication of free-issue materials and all relevant testing, surface treatment, packaging and loading.

CONSTRUCTION

Civil and Earthworks

P&A Welding Pty Ltd has extensive experience in the areas of civil, earthworks, underground services and building works for multidiscipline construction scopes in remote, regional and metropolitan areas. A significant portion of the work we carry out are for major utilities (gas) providers.

We can provide all necessary plant equipment and personnel to undertake these works; including, but not limited to, clearing, earthworks, drainage, trenching, locating underground services and pipework, roadworks, line marking and asphalt, kerbing and traffic management.

Capabilities

DBYD and Permit requirements	Site preparation
Underground services	Excavations
Earthworks	General concrete works
Land Clearing	Reinstatement / Landscaping
Infrastructure support works	Buried piping, cables and networks

Project Experience

Walayering (WALY) Facilities Construction

Client: APA Group

Scope: As Principal Contractor for this project, P&A Welding Pty Ltd were responsible for all Civil, E&I and SMP works as well as all offsite fabrication. Skid, Piping and Structural Fabrication commenced Q1 2023, consisting of fabrication, testing and surface treatment of 1 x Skid (Receipt Station at the Parmelia LV06 Compound) and associated interconnecting Station Piping that connects to the Parmelia Gas Pipeline (PGP) at KP173. A full Skid Assembly and completed E&I works was carried out in early Q2 2023. Site installation of the Skid and Piping was carried out shortly after, with P&A and subcontractor personnel also providing assistance for commissioning activities.

Parmelia Pipeline Relocation Forrestfield

Client: APA Group

Scope: Relocation of approximately 1.5km of DN350 natural gas, high pressure pipeline into a new services corridor to make way for new rail link to the airport. Scope consisted of construction of the pipeline, all trenching services, testing and surface treatment, live line welding of hot tap fittings onto the existing Parmelia Pipeline, construction and installation of bypass spooling to support commissioning, and removal and disposal of redundant pipeline.

Mundijong Pipeline Replacement Project

Client: APA Group

Scope: Pipeline construction of 8" Bypass and 14" Permanent lines, and hot tap welding on 14" line for the 8" bypass line.

Construction Solutions

P&A Welding Pty Ltd draws on its significant pipeline construction experience to self-execute partial or full spectrum construction projects.

We closely liaise with our clients to ensure all works are executed safely, on time and in a cost-effective manner.

Our experienced construction team can provide valuable input throughout all stages of the project, from design, scheduling and fabrication through to execution and commissioning. To assist us in both offsite fabrication and onsite installation, we have documented business associations with well-respected and highly experienced E&I and Civil* Subcontractors.

Indigenous Business Associations*

P&A Welding Pty Ltd are proud to be associated with an Indigenous majority-owned company that assists us with civil engineering solutions for our site projects.

Capabilities

Pipeline Design	Scheduling
Site / laydown area preparation	Buried service identification
Flagging overhead powerlines / obstructions	PMI testing
Prepare ROW	Site signage
Liaison with Heritage Monitors	Dust monitoring
Traffic management	Site facilities and amenities
Security	Trenching
Stringing	Welding
Non-destructive examination	Field joint coating
Holiday testing	Tie-in welds
Install warning tape	Cad Welding (CP cables)
Pipe bending	Lamination Scans
Hot Tap welding	Live line welding
Pneumatic testing	Hydrostatic testing
Electrical and instrumentation	Pre-commissioning and commissioning
Redundant pipe removal	Site reinstatement
Welding Procedures and Welder Qualifications for In-Service and Hot Tap procedures	Civil and Concrete Scopes

Project Experience

Workshop Fabrication:

APA NGI Skid (and Piping) Fabrication – Trial Fit-up Metering Skid B:



Trial Fit-up Pressure Flow Regulation Skid



NGI Completed Skids



Wodgina Pig Launcher and Pig Receiver



Valmec/APA Group - Yamarna Gas Pipeline Project – Pig Launcher and Pig Receiver



APA Group – Murrin Delivery Station Upgrade – Heat Exchanger Vessel:

Vessel Fabrication



Process Coil Fabrication



HE Vessel - Insulation Applied



HE Vessel - Cladding Applied



APA Group – Wyloo and Neds Creek Compressor Stations - Inlet Coalescing Filter Vessels



APA Group – Wyloo Compressor Station Inlet Coalescing Filter Vessel installed on site



APA Group - Parmelia Pipeline Relocation Forrestfield



Excavations commencing at northern end location



PMI Testing



Welding in progress



Trenching



Live Line welding of Stopple Tee



Completed Hot Tap Tees Northern Excavation

APA Group - Mundijong Pipeline Replacement Project



Site Preparation



Lowering-in



Survey and Installation of Pre-cast Concrete Panels



Welding in progress