



Polyethylene Pipe Applications

Experience & Excellence



Mineforce Australia has outstanding capabilities in the design, fabrication, installation, commissioning & maintenance of Polyethylene (PE) materials, pipelines & components.

We have been successfully delivering projects in the Mining, Gas & Water & Irrigation industries for over a decade. Our certified & highly experienced team of Poly Technicians combined with our extensive range of lifting & pipe welding equipment, ensures we can handle the most complex & challenging jobs.

We have built a reputation on delivering cost effective, quality workmanship in challenging conditions, safely, on time.



PE Pipeline Services



Our fabrication & machine workshop facility is well-equipped with modern technology in electro fusion, socket & butt welding equipment, offering clients significant flexibility in the range of PE fabrication services we can deliver.

- Pipe Butt Welding from 63mm to 630mm (in house/onsite)
- ElectroFusion Welding
- Socket Fusion Welding
- Our workshop has the capability of handling up to 20 metre pipe lengths
- Pipeline Construction flanged or butt welded
- Excavations
- Bedding & Backfill when required
- Pipeline Repairs
- Dry Hire of Butt Welding & ElectroFusion machines



PE Pipeline Systems



We have experience in a vast range of PE welding for systems including but not limited to:

- Dewatering Systems •Fire Mains •Water Mains •Tailing Pipelines •Pipe Manifolds •Pump Deliveries •Suction Pipes •Gravity Feed Pipelines



PE Pipeline Services



Our extensive range of plant & equipment enables us to be completely self-sufficient on site, providing clients maximized productivity on completion of projects.

- Lifting equipment to handle pipes
- 2 x Excavators (16T & 24T)
- Cranes
- Generators for running poly machines in remote locations
- Site Storage Sheds
- Weather Shelters



Projects

Project:	Ernest Henry Mine In Pit Dewatering System
Client:	Xstrata Copper
Scope:	Supplied & installed 16km HDPE Poly Pipe 630 – 450 diameter from the bottom of the pit to the surface, connecting into four pump stations at various inner levels of the pit, & assisted client with commissioning. <i>Visit our website for more information on project.</i>
Timeframe:	52 weeks



Projects



Project:	George Fisher Mine Dewatering Pipeline
Client:	Xstrata Zinc
Scope:	Supplied & installed 2.5km 250 diameter PE0100 PN10 Poly Pipe to accommodate the new Handlebar Hill open cut mine.
Timeframe:	10 weeks

Project:	George Fisher Mine Pump Pit Water Supply Line
Client:	Xstrata Zinc
Scope:	Supplied & installed 3.5km 250 diameter PN16 Poly Pipe from Moondara Pump Station to George Fisher Pump Pit, including trenching, backfill & commissioning works. Our scope of work also included steel tie-ins to existing pipelines on route.
Timeframe:	6 weeks

Projects



Project:	George Fisher Five Star Workshop Underground Fire Lines
Client:	Xstrata Zinc
Scope:	Supplied & installed 2km 250 diameter underground fire ring main to fire hydrants at George Fisher Mine's Five Star Workshop, including trenching, bedding and backfill works.
Timeframe:	6 weeks


Project:	Mount Isa Mine Tailings Dam Plant Water Line
Client:	Xstrata Copper
Scope:	Supply, trenching, installation & commissioning of 5km 630 diameter PN12 Poly Pipe from Plant Water Tanks at Mount Isa Mine to Tailings Dam. The Tailings Dam was located in rough terrain inaccessible by four wheel drive in some sections.
Timeframe:	26 weeks



Quality Assurance



Quality is an integral part of our operations. At Mineforce Australia we are committed to meeting & exceeding client expectations. The following systems are implemented to ensure compliance & the consistent delivery of high quality products & services.

- All personnel are qualified in Polyethylene Pipe welding as per the POLYTEC National accreditation process for Butt Welding & ElectroFusion Welding: PMBWELD301B & PMBWELD302B
 - All Polyethylene fabrications & welding systems are completed in accordance to Polyethylene pipe standards AS/NZS4130 & AS/NZS4131
 - All fabrications are subject to comprehensive testing in the workshop & on site
 - Our Poly Technicians record the data of each weld on *Welding & Pressure Test Forms*, which are provided to our clients for their records
 - Our Poly Technicians label each weld with their Poly Certification Number for credibility & traceability
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Proactive Safety



The safety & security of our people & those we work with is our number one priority & a core value of our business.

Our approach to safety is proactive:

- Our Safety team assist in identifying & communicating operational risks & continuously revising risk strategies, whilst encouraging participation from all our personnel
 - Completion of required inductions, Daily PPE Checklists & Inspections, JSEA's & Toolbox Meetings
 - Initiation of Lifting Plans, Confined Space Access Procedures, Working at Heights & Trench Stability as required
 - Compliance with statutory, client & our safety requirements
 - Provision of competent & trained personnel
 - Personnel understand their duty of care obligations
 - Accurate reporting & analysis of safety performance
 - A commitment to continually improve workplace safety
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HDPE Welding Equipment



All welders are maintained at a very high standard & are available for dry hire.

Dixon 630 Butt Welder	View Specifications
Dixon 350 Butt Welder	View Specifications
Dixon 225 Butt Welder	View Specifications
Plasson Monomatic ElectroFusion Welder	View Specifications
Plasson Digimatic ElectroFusion Welder	View Specifications

Visit www.mineforce.com to view equipment hire Terms & Conditions.

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