



**CIVIL, DRILLERS AND
INFRASTRUCTURE SOLUTIONS**
HDPE PIPING SYSTEMS



ACU-TECH.COM.AU

OUR CIVIL TEAM

Acu-Tech formed a dedicated civil team in early 2022. With combined industry experience of over 30 years, extensive knowledge and multiple networks, we are equipped with providing technical support and advice to civil contractors and asset owners. This results in the best solutions for their projects and on-going maintenance.

Since the implementation of our Civil team, we have doubled our customer base in the first 12-months. With a customer retention rate of 100%, a quote conversion rate of 50% and high customer satisfaction, it shows the loyalty and gratification of our customer base.

Feedback from our civil clients:

- *"I have nothing but silver service. Quotes are always back in a timely manner, and their communication regarding our orders is first class. I look forward to continuing the relationship with this great team and Acu-Tech as a whole."*
- *"Great and proactive communication from sales team. Friendly delivery, dispatch, and sales staff."*
- *"Always a pleasure to deal with Acu-Tech. They are always quick to respond and are very friendly/helpful."*
- *"Really helpful and nice staff who provide great service whether a job is last minute or months away."*



COMPANY OVERVIEW

Acu-Tech Piping Systems is a manufacturer and supplier specialising in High Density Polyethylene Pipe Systems (HDPE) and solutions for fluid/gas transfers and cable protection.

Working directly with owners, engineers and contractors, we help to create pipeline assets which are both durable and cost-effective.

Acu-Tech can supply a full package including valves, fusion welding equipment, training and technical support.

A lot has changed since Acu-Tech was founded in 2000. Originally operating from 3 sea containers, we have continued to innovate and evolve. Now a team of over 300 employees and state-of-the-art facilities in Perth, Melbourne and Queensland, we offer the complete package.

What hasn't changed is our positive 'can do' culture and commitment to building long term relationships.



ACU-WATER

HDPE/RCD Pipe Solution for Potable/ Reticulation Water Pipelines

Acu-Water is used for potable water and pressurised systems when Watermark Certified and installed according to AS 3500.1:2003 'Water Services'. With a minimum life span of 50 years, it is manufactured from food grade polyethylene material and does not rust, rot, pit or corrode.

Acu-Tech's RCD pipe was introduced to combat the chlorine dosing and elevated temperatures within our water distribution network due to its high chlorine/disinfectant resistance.

As a result of RCD's unique properties, many of Perth's aging water mains are now being replaced with RCD pipe. This will improve the life of the pipeline and can be installed using HDD (Horizontal Directional Drilling) or open trench installation. In addition to our stock of approved RCD pipe, Acu-Tech can provide RCD fittings such as stub flanges, sweep bends and Y junctions.

Stocked Products:

PRODUCT CODE	PRODUCT OUTSIDE DIAMETER (mm)	SDR RATING	LENGTH
PBS025009050-R	25mm	SDR9 (PN20)	50m Coil
PBS03209050-R	32mm	SDR9 (PN20)	50m Coil
PBS03209100-R	32mm	SDR9 (PN20)	100m Coil
PBS06309050-R	63mm	SDR9 (PN20)	50m Coil
PBS06309100-R	63mm	SDR9 (PN20)	100m Coil
PBS12509006-R	125mm	SDR9 (PN20)	6m Length
PBS12509012-R	125mm	SDR9 (PN20)	12m Length
PBS12507006-R	125mm	SDR7.4 (PN25)	6m Length
PBS12507012-R	125mm	SDR7.4 (PN25)	12m Length
PBS18009006-R	180mm	SDR9 (PN20)	6m Length
PBS18009012-R	180mm	SDR9 (PN20)	12m Length
PBS18007006-R	180mm	SDR7.4 (PN25)	6m Length
PBS18007012-R	180mm	SDR7.4 (PN25)	12m Length
PBS25009006-R	250mm	SDR9 (PN20)	6m Length
PBS25009012-R	250mm	SDR9 (PN20)	12m Length
PBS25007006-R	250mm	SDR7.4 (PN25)	6m Length
PBS25007012-R	250mm	SDR7.4 (PN25)	12m Length
PBS31509006-R	315mm	SDR9 (PN20)	6m Length
PBS31509012-R	315mm	SDR9 (PN20)	12m Length
PBS31507006-R	315mm	SDR7.4 (PN25)	6m Length
PBS31507012-R	315mm	SDR7.4 (PN25)	12m Length
PBS35507006-R	355mm	SDR7.4 (PN25)	6m Length
PBS35507012-R	355mm	SDR7.4 (PN25)	12m Length

*The table above shows stocked pipe lengths and coils. Other lengths, ratings and sizings can be made to order.



ACU-SEWER

HDPE/HSCR Waste Pipe
Solution for Sewer Mains



Acu-Sewer is perfect for sewer mains and transfer pipelines due to HDPE's resistance to algae, fungi and bacteria. This pipe has a black exterior and cream stripe for easy identification. As a high-performance PE pipe, it is a cost-effective solution and can be installed using less intrusive installation methods. This can include upgrading the pipe material to High Strength Crack Resistance (HSCR) and increasing the SDR rating to suit HDD and open trench installation.

HSCR is a high performing and durable crack resistant resin. To provide a complete project package we can supply stub flanges, fabricated sweep bends and scour tees from 63mm to 800mm in the same material.

Acu-Sewer is mainly fused using either butt welding or electrofusion as this requires no additional sealing elements. Fused PE pipe facilitates the construction of a robust and long-lasting sewer pipe system.

Stocked Products:

PRODUCT CODE	PRODUCT OUTSIDE DIAMETER (mm)	SDR RATING	LENGTH
PCS06311100	63mm	SDR11 (PN16)	100m Coil
PCS12511006	125mm	SDR11 (PN16)	6m Length
PCS12511012	125mm	SDR11 (PN16)	12m Length
PCS18011006	180mm	SDR11 (PN16)	6m Length
PCS18001012	180mm	SDR11 (PN16)	12m Length
PCS25011006	250mm	SDR11 (PN16)	6m Length
PCS25011012	250mm	SDR11 (PN16)	12m Length
PCS31511006	315mm	SDR11 (PN16)	6m Length
PCS31511012	315mm	SDR11 (PN16)	12m Length

*The table above shows stocked pipe lengths and coils. Other lengths, ratings and sizings can be made to order.



ACU-GAS

HDPE Pipe Solution for Gas Pipelines

Acu-Gas HDPE Pipe is the product of choice for below-ground natural gas, LP gas mains and distribution pipelines. It is approved under AS 5601-2004: Gas Installations. This lightweight product can offer project efficiency as it is easy to transport, handle and install.

Its integrity and durability is proven in the field by utilities Australia wide. Its flexibility can accommodate minor changes in direction and ground movement.

Acu-Tech can also provide a large range of fittings and ancillaries that are specified and listed in the ATCO and APA Gas Materials Catalogue.

Stocked Products:

PRODUCT CODE	PRODUCT OUTSIDE DIAMETER (mm)	SDR RATING	LENGTH
PYJ02017100	20mm	SDR17	100m Coil
PYJ02017200	20mm	SDR17	200m Coil
PYJ02517100	25mm	SDR17	100m Coil
PYJ02517200	25mm	SDR17	200m Coil
PYS04011006	40mm	SDR11	6m Length
PYS04011100	40mm	SDR11	100m Coil
PYS06311006	63mm	SDR11	6m Length
PYS06311100	63mm	SDR11	100m Coil
PYJ11017006	110mm	SDR17	6m Length
PYS11011006	110mm	SDR11	6m Length
PYJ11017012	110mm	SDR17	12m Length
PYS11011012	110mm	SDR11	12m Length
PYJ11017050	110mm	SDR17	50m Coil
PYJ11017100	110mm	SDR17	100m Coil
PYJ16017006	160mm	SDR17	6m Length
PYS16011006	160mm	SDR11	6m Length
PYJ16017012	160mm	SDR17	12m Length
PYS16011012	160mm	SDR11	12m Length
PYJ22517006	225mm	SDR17	6m Length
PYS22511012	225mm	SDR11	12m Length

*The table above shows stocked pipe lengths and coils. Other lengths, ratings and sizings can be made to order.



ACU-COMMS

HDPE White Co-Extruded
Communications Conduit



Acu-Comms conduit provides superior mechanical protection to fragile cable materials like fibre optic and coaxial cables, as well as protection from moisture or chemicals.

It is suitable for replacement projects or future installation of additional cable/sub-duct. The continuous lengths (coils) and flexibility facilitates easy installation below ground through a variety of methods including directional drilling, ploughing and open trench.

Stocked Products:

PRODUCT CODE	PRODUCT OUTSIDE DIAMETER (mm)	SDR RATING	LENGTH
CWJ06313140	63mm	SDR13.6	140m Coil
CWJ11013100	110mm	SDR13.6	100m coil

ACU-POWER

HDPE Electrical Conduit for the
Protection of Electrical Cables



Acu-Power is a cost-effective and high-density poly pipe similar to Acu-Comms. It can be installed below ground through a variety of methods including directional drilling, ploughing and open trench. It also provides superior mechanical protection to electrical cables and protection from moisture or chemicals.

Its flexibility and availability in continuous lengths (coils) facilitates installation into existing communication conduits or ducts as an inner duct.

Stocked Products:

PRODUCT CODE	PRODUCT OUTSIDE DIAMETER (mm)	SDR RATING	LENGTH
COJ05013150	50mm	SDR13.6	150m Coil
COJ06313140	63mm	SDR13.6	140m Coil
COJ11013100	110mm	SDR13.6	100m Coil
COJ16013080	160mm	SDR13.6	80m Coil
COJ16013100	160mm	SDR13.6	100m Coil



FABRICATION SERVICES

Our Team has decades of combined experience allowing us to offer fully qualified poly fabrication of a wide range of items from poly pipe and sheet.

We work in partnership with our clients to provide bespoke and pre-fabricated solutions. This provides a diverse range of products including custom degree bends, assemblies, spool

packages, tank fabrication and strainers.

This is all manufactured in our 6000m2 fully equipped fabrication facility.

We pride ourselves in working to the highest standard and in accordance with AS/NZS 4131, AS/NZS 4130 and AS/NZS 4129.



EQUIPMENT HIRE & SERVICING

Acu-Tech can provide welding equipment hire and welder service/calibration. Our hire division has a full range of butt welders, extrusion welders and electrofusion welders that can weld pipe diameters between 20mm and 1000mm.

If you are welding on a site without power supply, we can also provide portable generators to suit your poly welding equipment.

New equipment is also available for purchase if you prefer to invest upfront.



TRANSPORT AND WAREHOUSE LOGISTICS

At Acu-Tech we recognise that our clients need a complete project package. We offer project support, personal service, technical support, on-time deliveries and in full product supply.

Acu-Tech's transport fleet goes the distance to deliver bigger and better transport solutions, ensuring prompt deliveries and efficient unloading.

With our Overhead Permit and Main Roads Accreditation, we can deliver your goods safely and on-time.

We hold large stocks in our warehouse providing you with consistent product availability and reducing the stress of tight project schedules.



TRAINING AND TESTING FACILITY

Polyweld Tech Academy (PWT) can assist with your organisation's polyethylene welding practices.

PWT is an accredited NATA laboratory testing facility. They specialise in tensile testing of butt welds, peel decohesion of electrofusion welds and a complete range of QA/QC inspection services.

It is a nationally accredited training organisation offering specialised courses on:

- HDPE Butt Welding (PMBWELD301E)
- HDPE Electrofusion Welding (PMBWELD302E)
- HDPE Extrusion Welding (PMBWELD309E)

Two-year reaccreditation courses are also available.



For more information and course enrolments: **1300 36 7659 (GO POLY)**
info@polyweldtech.com.au | www.polyweldtech.com.au

OUR CAPABILITIES

- **Technical Support:** We provide technical support for designers, engineers and installers.
- **Training:** Through our training partner Polyweld Tech Academy, we can offer our clients with nationally accredited polyethylene plastic welding courses.
- **QA/QC:** We are qualified to provide Quality Assurance and Quality Control documentation.
- **Testing:** We have a fully accredited in-house NATA testing facility to provide both destructive and pressure testing as per project requirements.
- **Equipment Hire, Sales and Servicing:** Acu-tech can offer welding equipment hire or purchase and provides welder servicing and calibration.
- **Transport:** Products are delivered using our own fleet of trucks. By not using an external transport provider, we can ensure that the product is delivered directly to site in a safe and timely manner.
- **Manufacturing:** Acu-Tech manufactures HDPE pipe and fittings in its state of the art 38,500m² facilities. Modern high-performance CNC controlled extruders produce all diameters between 20mm and 800mm with options of both coils and straight lengths.
- **Supply & Fittings:** We stock and supply an extensive range of valves, flanges and fittings, specialising in product sizes from 16mm up to 1200mm. Acu-Tech has exclusive strategic partnerships with some of the largest international pipe fitting manufacturers and carry large inventories of product for seamless project supply.

POLYETHYLENE IN THE CIVIL INDUSTRY

Within the civil industry, polyethylene has become the product of choice for numerous applications due to its unique features.

HDPE has long-term durability in demanding environments due to its flexibility, abrasion resistance and leak-free joints. It can withstand rugged terrains, extreme climates and changing environments.



The HDPE Pipe Systems Specialists

Contact us

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WE CARE. OUR SOLUTIONS. YOUR SUCCESS.

Adelaide • Brisbane • Kalgoorlie • Melbourne • Perth

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