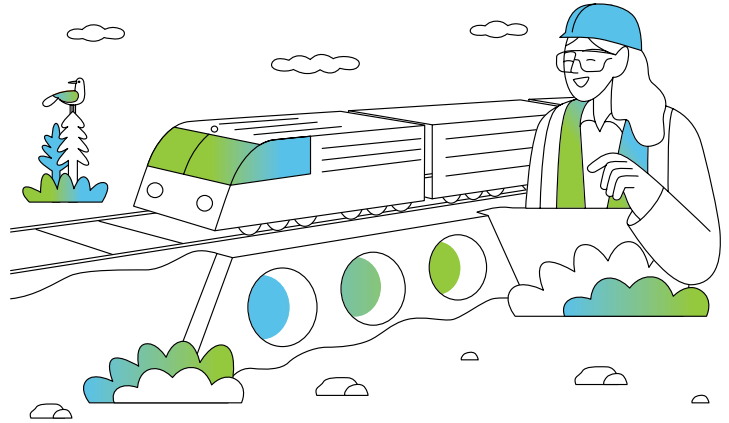


Downer
PipeTech

Future proofing
our customers'
assets.

Downer PipeTech

PipeTech, a Downer business, is your partner for specialist pipeline services. We offer low impact solutions for water, wastewater, sewer, stormwater pipes and culverts.



We embrace advanced technology and look for innovative ways to maximise the life and reliability of our clients' assets.

With our renowned in-house expertise, end-to-end services and cutting-edge capabilities, PipeTech is a trusted provider of trenchless pipeline repair and rehabilitation.

Our people work across Australia and New Zealand, delivering safe and sustainable pipeline solutions and best practice outcomes for our valued customers that minimise the impact on communities.



Our Promise:

Our customers' success is our success.

It's our promise, and our operating philosophy.

Our people are highly skilled and solve complex problems to deliver critical, economic enabling infrastructure for our customers and maintain vital assets.

Our Pillars:



Safety & Sustainability

Safety is our first priority. Zero Harm to our people, communities and environment is embedded in our culture. We will leave a positive legacy for future generations.



Delivery

We build trust by delivering on our promises with excellence while focusing on sustainability, value for money and efficiency.



Relationships

We collaborate to build and sustain enduring relationships with our customers, our people and communities based on trust and integrity.

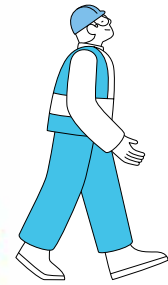


Thought Leadership

We remain at the forefront of our industry by employing the best people and having the courage to challenge the status quo.



PipeTech today



Australia and
New Zealand

Our story

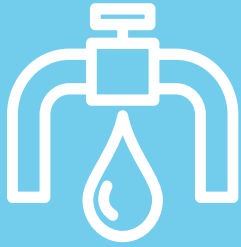
Downer acquired PipeTech in 2017, with the company having already built a strong reputation as an industry leader in the sector for installation and renovation of pipelines and structures around Australia.

PipeTech was a natural, strategic fit for Downer's Water Services business. As one of the largest providers of outsourced water services, Downer is a trusted partner to more than 20 water authorities and provides services to around 17 million residents across Australia and New Zealand.

With local expertise backed by a trans-Tasman presence, PipeTech leverages Downer's scale, in-house design and engineering capability and proven end-to-end ability to deliver for its suite of long-term clients.

Today, PipeTech is an integral part of Downer. A sharpened focus on core capabilities and delivering for clients has made PipeTech an established leader in the pipelines and infrastructure sector.

Backed by a workforce of dedicated crews, qualified tradespeople and decades of proven experience, PipeTech is keeping customers' water assets connected whilst enabling communities to thrive.



Water

Water network renewals and maintenance



Wastewater

Operations, maintenance services and solutions for all sewer and wastewater networks



Stormwater

Sustainable services for today's stormwater assets in preparation for tomorrow



Culverts

Structural rehabilitation of essential pipeline infrastructure for roads, rail and bridges



Why partner with us?

With our renowned in-house expertise, end-to-end services and cutting-edge capabilities, PipeTech is a trusted provider of trenchless pipeline repair and rehabilitation.



Safe & Sustainable

Protecting our local environment and keeping our people, customers and the wider community safe.



Proven track record

Decades of experience and an extensive project portfolio that demonstrates how we safely and successfully deliver for our clients.



Technical capability

We have spent years perfecting and delivering cost-effective, high quality and low risk pipeline solutions.



Innovation in action

Combining best practice trenchless methods with the latest cutting-edge technologies from across the globe.

How we work with you

Backed by Downer's reputation as a trusted Tier 1 contractor and leader in the field, PipeTech leverages its own in-house team to provide the full suite of end-to-end services for its customers.

Project planning

We listen to your requirements and propose a customised solution.

Construction

We deploy our self-performing crews and trusted network of subcontractors to deliver a safe and successful outcome.

Maintenance

We optimise and manage assets across their full life cycle.



Service	Water	Wastewater	Stormwater	Culverts
CIPP - UV (BEROLINA)	✓	✓	✓	✓
SLIPLINING			✓	✓
TUNNELINE	✓		✓	✓
ROBOTICS & POINT-LINING		✓	✓	
CCTV PIPELINE INSPECTION	✓	✓	✓	✓
CIVIL REPAIR & MAINTENANCE	✓	✓	✓	✓



What we do

Berolina - CIPP (Cured in Place Pipe)

Downer PipeTech specialises in Berolina - CIPP (Cured in Place Pipe), a widely used and cost-effective rehabilitation method for extending the life of an asset.

Application

Berolina-CIPP is a jointless, seamless, pipe-within-a-pipe with the capability to rehabilitate assets and gravity (sewer) pipelines with minimal diameter reduction.

It involves a glass fibre reinforced structural liner that is cured-in-place using Ultra Violet light and is one of several trenchless rehabilitation methods used to repair ageing pipelines.

Benefits

- Tight fit liner
- High resistance to fire and flame
- Proven technology since 1985
- 50-year design life
- Suitable for diameters 150mm to 1600mm
- Manufactured in Germany under a Certified Quality System
- No reliance on host pipe for strength
- Conforms to AS2566 - Flexible pipe design



What we do

Sliplining

Downer PipeTech offers both continuous sliplining and segmental sliplining.

Sliplining is primarily used for the renewal of water, sewer or stormwater pipes where the loss of capacity is not a major issue. No pipe displacement occurs, so there is no risk to the adjacent services.

Application

Continuous sliplining involves a long continuous pipe, such as HDPE or fusible PVC, which can be combined into continuous pieces of any dimension.

Segmental slip lining utilises individual pipe lengths that are typically used in larger pipe or culvert applications.

It can be used on diameters ranging in size from 50mm up to 4000mm and utilises a range of materials such as HDPE, PVC and socket spigot FRP.

Benefits

- Provides a fully structural rehabilitation solution
- Ability to maximise hydraulic capacity
- Extends the expected service life of the asset
- Fast and non-invasive installation process
- Cost effective
- Extensive history and proven capability



What we do

TUNNELINE®

Downer PipeTech provides our proprietary TUNNELINE® structural reinforced-concrete lining system, the unique and versatile system for structural remediation on pipes, culverts and tunnels with a design life of more than 100 years.

This award-winning system is a simple, in-situ reinforced concrete lining technique designed for difficult-to-access sites and has a very low environmental impact.

Application

The Tunneline pipe system is a 'cast in place' lining technology that is delivered under pressure into a modular rigid steel formwork, using self-compacting concrete mixes.

When the shutters are removed, the internal finish is similar to that of pre-cast factory units, and in most applications leads to more efficient and improved flow characteristics despite hydraulic loss.

Tunneline is designed under either AS3600 or AS5100 together with AS3725 standards to provide an independent structural element or can be used as a composite element inside brick and concrete structures.

Benefits

- Significant time and cost savings
- Does not require any advanced pre-works or stabilisation. Holes, cracks or missing masonry do not need to be repaired prior to installation
- Can be constructed inside any existing man-access structure regardless of shape, or access.
- Suitable for any host format ranging from 1200mm upward.



What we do

Robotics and Point-lining

The use of pipeline robotics for the trenchless repair of defective pipelines and removal of pipe blockages has been a core part of PipeTech's business for many years.

We have a fleet of pipeline robotic trucks operating throughout Australia and a team of skilled and competent operators who ensure high productivity and efficiency in clearing blocked sewers.

We have the capability to repair diameters ranging from 80mm up to 1000mm. Our point-lining method is a time-tested and highly regarded localised pipeline repair product for gravity pipelines.

Application

Can be used for clearance of blocked sewers due to tree roots, debris and concrete.

The hydraulically driven grinding robots provide impressive performance, allowing for cutting, grinding and milling of most materials, intrusions and encrustations.

Point-liners are suitable for the sealing of live connections, repair of cracks, fractures, fragmentation, leakage, broken and displaced joints, capping of disused junctions, corrosion and more.

Benefits

- Experienced, skilled operators
- Powerful grinding capacity and robust design
- Able to grind and remove an array of materials and foreign matters (roots, intrusions, connections, even bike frames and hub caps)
- Suitable across multiple pipeline assets
- Works in partnership with our KA-TE PMO robotics fleet as a solution to tree root intrusions and blockages
- All material components packaged to minimise waste and allows for easy disposal



What we do

CCTV Inspection & Reporting

Closed-circuit Television (CCTV) inspection and reporting services for the assessment of pipelines has been a core part of PipeTech's service offering since day one.

Our advanced CCTV technology capabilities provide an accurate assessment of pipe assets, allowing us to determine the condition and serviceability of an asset.

Application

PipeTech have a fleet of tractor driven CCTV cameras to suit every job, including push rod cameras for smaller applications, which allow for the inspection of pipelines ranging in diameter from 50mm up to 1200mm.

We also provide a man-entry inspection service for larger pipeline applications.

Benefits

- Highly experienced, accredited CCTV operators
- Silent, emission-free plants that run on inverter generators
- Pinpoint accuracy for locating and recording of pipeline damage
- Advanced CCTV cameras to suit every job
- Latest reporting software enables our customers to review reports, videos and photos via a viewer module - with our experienced teams providing an effective solution to any issues identified



What we do

Civil Maintenance & Repair

PipeTech provides the complete suite of pipe and structure refurbishment services, including dig and repair and manhole rehabilitation to water authorities, councils and industrial clients.

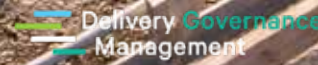
We develop tailored rehabilitation plans in partnership with our clients that minimise the impact on local communities and the surrounding environment.

Backed by Downer's reputation as a leading utilities provider and construction partner, we bring innovation and expertise to every project we manage on behalf of our customers.

As a preferred Sydney Water construction partner, PipeTech is a long-term partner delivering civil repair and maintenance across Australia's largest city since 2017.

Why work with us?

- All work undertaken using ISO 9001:2015 quality system
- Hands-on, in-house project managers and engineers
- Experienced crews and operators
- Fleet of plant and equipment for civil works



Delivering consistently for our customers

Downer's Delivery Management Methodology (DMM) shapes how we operate and deliver value to our customers.

It serves as a guiding framework for effective delivery, establishing governance and leadership standards that ensure consistent and repeatable outcomes for our customers.

Drawing from established project and contract management practices, the DMM is adaptable to business-specific capabilities while aligning with the unique requirements of our customers and legislative standards.



Protecting our people

The safety, health and wellbeing of our workforce is our first priority. We believe that our work can be performed in a way that is safe for our people, the environment, our business, and the communities in which we operate.

This well-established and deeply-held belief is founded on the principle of Zero Harm.



Downer PipeTech

For more information on our services visit:
www.downerpipeotech.com.au

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