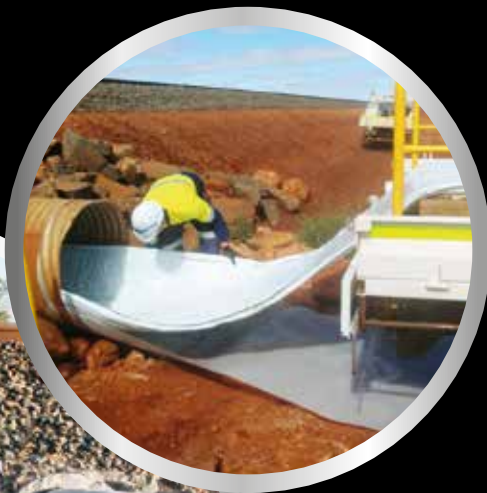


# Corporate Profile & Capabilities



Pipeline Rehabilitation & Construction

## CIPP LINING



## WHO WE ARE

ITS PipeTech has built a strong reputation successfully delivering a wide variety of innovative pipeline rehabilitation and construction projects throughout Australia, to ensure the best possible results and outcomes for our clients.



TUNNELINE



PRESSURELINE



## WHO WE ARE

Our dedicated people have the training, experience and the capability to deliver cost effective solutions from a small pipe repair to multi-disciplined large scale projects for water utilities, road, rail, mining, oil and energy.



## WATER

Water authorities today face increasing pressure to extend the life of their water mains whilst managing tight budgets and maintaining high levels of service to their end users. ITS PipeTech have an enviable record in assisting their clients to achieve these goals through a suite of products and services customised for the repair and renewal of existing water mains and associated infrastructure. Ageing assets causing burst pipes and loss of water through leakage are just one of the challenges met on a daily basis by the water authorities. ITS Pressure line and pipe bursting services provide a cost effective, high quality, low risk solutions for the majority of water main renewals extending the life of the existing asset and infrastructure utilising environmentally responsible processes and methodologies. With extensive experience working for major water authorities around Australia we pride ourselves on building a reputation based on professional and trusted relationships with our clients which in turn result in better, smarter outcomes.



## SEWER

ITS PipeTech has a commitment to continually improve and innovate in what we do and what we offer whilst ensuring that our processes and actions are safe and environmentally responsible. Sewers pose a particular threat for safety due the very environment they are in. Hydrogen Sulphur which is the main cause of concrete sewer pipe corrosion is a deadly gas and our expertly trained crews make certain this work environment is treated with the respect and care it deserves. We work extremely hard with our sewer clients to ensure that this safety driven approach results in our projects being delivered safely, on time and within budget. Our state of the art UV Cured lining system meets all of our pre-requisites of world best practice technology whilst maintaining employee safety and meeting both ITS and our clients environmental goals. This in combination with our CCTV, point lining and robotics services enables us to provide a full turn-key service for all sewer related projects.



## ROAD

Under-road culverts have long been an afterthought with regard to road maintenance. In recent times, asset managers, councils and road operators alike have increased focus toward ageing under-road pipelines and culverts. Failed pipelines and culverts present potentially life threatening situations which expose road users and asset owners to significant risk. Apart from the risk to the community, the cost of responding to culvert washouts can be very high. Resulting environmental damage, downtime of the road way, and poor public perception are further complications the stakeholder may encounter. ITS' default position is to offer clients technologies in line with worlds best practice for the rehabilitation, rejuvenation and maintenance of pipelines, providing solutions that best address the performance requirements of road operators, eliminating antiquated excavation techniques, and many of the compromises that until recently, clients had to accept.





## LOCAL GOVERNMENT

Local Governments manage assets which provide critical services to their customers including water, sewer & stormwater pipelines. Today, many of these local Governments face increasing challenges to provide these services at a manageable risk giving a high level of reliability and confidence to those that receive these services. Funding remains an ongoing challenge particularly with property tax funded services such as drainage. For these asset owners the implementation of an Asset Management plan can provide a number of benefits through improved accountability and a deeper understanding of the extent and effect of aging infrastructure. ITS PipeTech have a proven track record in providing council and municipal authorities with a complete, low risk and cost-effective turn-key service. Through the implementation of CCTV data capture, asset condition assessment and trenchless technology repair, knowledge of the infrastructure and associated operating activities is providing new insights on how to increase the life of the asset which in turn will increase productivity, and maximize return on capital re-investments.

## MINING & ENERGY

ITS PipeTech has a long history working with mining & energy companies throughout Australia offering customised services to assess, protect and renew their assets and infrastructure. These include condition assessment, structural lining of culverts and the installation of sacrificial liners for slurry and tailings pipelines. Culverts under rail systems are structurally relined using a GRP, UV cured in place lining system or in-situ reinforced steel and concrete construction Tunneline®. ITS also specialise in the installation of HDPE liners for slurry pipeline rehabilitation. The sacrificial liners provide the existing steel slurry pipe with greater strength and protection from erosion and corrosion by protecting the steel pipe from the flow stream. The properties of the high-density polyethylene in our Pressureline system provide excellent chemical, corrosion and erosion resistance for many oil and gas pipeline applications. ITS have also developed a cost effective, unique process for the removal and re-installation of these sacrificial HDPE liners when they near the end of their serviceable life.



## RAIL

Rail infrastructure across Australia is ageing with significant quantities either approaching or having reached the end of its design and practical life. Condition assessment, maintenance and replacement or rehabilitation can be difficult and costly due to the distances involved and remoteness of much of the rail lines. ITS PipeTech have extensive experience in all aspects of rail asset maintenance having completed works for various rail authorities including ARTC Rio Tinto & BHP. ITS PipeTech have worked across Australia on rail lines in capital cities, regional hubs and remote locations hundreds of kilometres from the nearest town. We have both Project Management and field staff fully trained and experienced working within rail corridors. ITS PipeTech have partnered with design consultants who bring vast experience within the rail industry. This partnering approach coupled with our experience and robust third party accredited systems ensure that all works are completed to the relevant Australian Standards and client specifications in line with worlds best practice.





## TUNNELINE

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Tunneline is a unique patented structural concrete lining system that can be applied to provide a full rehabilitation solution for man entry culverts, pipelines and structures. The award-winning system is a simple, in situ reinforced concrete lining technique utilising a lightweight panel formwork system and high-strength concrete. Tunneline is ideal for culverts, tunnels and pipelines from 900mm to 5m-plus in diameter.



## PIPEBURSTING & SLIPLINING

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Pipebursting methodology involves the displacement of an existing host pipe, and the simultaneous installation of a structural replacement pipe of the same or greater diameter. This technique is suitable for the replacement of pipelines ranging from 75mm to 900mm in diameters.



## BEROLINA - CIPP

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ITS PipeTech has a working partnership with German manufacturer BKP for the supply and installation of its full-length UV cured, Berolina glass fibre liner. The Berolina liner is tailor-made for each pipeline rehabilitation application, with regard to length, diameter and wall thickness. The Berolina liner system utilises corrosion-resistant glass fibre materials together with a matrix of UV light initiated polyester or vinylester resins to provide optimum reinforcement. This creates a high-performing liner that is able to meet high design loads and withstand aggressive liquids or fluids.



## PRESSURELINE

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Pressureline is a process that was developed in the UK for the renewal of gas and water pipelines. The process involves butt-welding of a section of pipe that is originally longer than the main being replaced. Immediately prior to insertion, the pipe is temporarily reduced in diameter via a reduction dye, and then towed into the host pipe. The PE main then reverts to fit tightly to the host pipe. ITS' Pressureline solution is ideal for long length remediation with a minimal loss of pipe diameter or impact on the surrounding infrastructure and community.





## CCTV & POINTLINING

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Our KA-TE robotic pipeline repair equipment grinds materials, such as tree roots, deposits including grout, concrete and even steel, from within pipelines. It is also capable of clearing completely blocked pipelines. Epoxy injection is also possible with the robot system for repair of cracks and joints, and sealing of junction connections. This repair technique provides for a 50-year sealing solution and is ideal for localised defect repair in pipelines. The robotic equipment is available for use in pipeline diameters from 150mm to 800mm. ITS also operates a fleet of new CCTV camera units for inspection, reporting and condition assessment of pipelines.



## REPAIR & MAINTENANCE

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ITS PipeTech also provides pipe and structure refurbishment services including dig and repair and manhole rehabilitation to various water authorities, councils and industrial clients. From our perspective, having a complete suite of rehabilitation options has benefits in terms of being able to provide a tailored rehabilitation plan with the benefits flowing on to the client and the community.



Services	Water	Sewer	Mining & Energy	Local Gov	Rail	Road
Tunneline	✓	✓	✓	✓	✓	✓
Pressureline	✓	✓	✓	✓	✗	✗
CIPP Lining	✗	✓	✓	✓	✓	✓
Pipebursting & Sliplining	✓	✓	✓	✓	✓	✓
Robotic Repairs & Pointlining	✗	✓	✓	✓	✓	✓
Repairs & Maintenance	✓	✓	✓	✓	✓	✓
Condition Assessment & CCTV	✓	✓	✓	✓	✓	✓





## ITS PipeTech Quality

### QUALITY, ENVIRONMENT & SAFETY SYSTEMS

All our products and procedures are subject to thorough Scrutiny, both internally and by authorised third party agencies. This guarantees that what we offer delivers value consistent with Client expectations in terms of serviceability and long-term performance, While ensuring the safety and welfare of our employees, the environment, Our clients and the general public. ITS PipeTech has third-party certified safety, Quality and environmental management systems in place.



## OUR MESSAGE - RISE HI

“ITS PipeTech deliver cost effective, high quality, low risk solutions for all pipeline and culvert rehabilitation, extending the life of existing assets and infrastructure utilising environmentally responsible processes and methodologies”



Respect • Integrity • Safety • Environment • High Performance • Innovate

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