YOUR INDUSTRY LEADERS IN TRENCHLESS TECHNOLOGY

PipeTech
Trenchless Technology

We've been proudly Kiwi-owned and operated since 2003. Our journey began when we spotted a chance to revolutionise small bore pipe rehabilitation in a smart, eco-friendly way.

We are industry leaders when it comes to trenchless pipe rehabilitation. That means no digging required! It not only saves time on the job but also cuts down on community interruption and reduces carbon footprint.

Our commitment is to ensure that the process of pipe replacement is as seamless as possible for you. We take pride in our highly adaptable and well-organised team, which excels in efficient mobilisation, communication & planning to handle all projects with ease and convenience.





SO WHAT IS UPVC FOLD & FORM LINER & HOW DOES IT WORK?

Our innovative system efficiently repairs sewer and stormwater pipelines with diameters ranging from 100mm to 900mm using our fold and form liner. The process starts with precision by measuring specific liner lengths and softening them through a steaming process to guarantee a customised fit.

Following this, the prepared liner is securely fastened to a winch, which carefully guides it into position inside the existing host pipe. The magic happens when compressed air is employed to expand and seamlessly mould the liner to the interior of the host pipe, resulting in a tightly-fitted, long-lasting and strong solution for pipeline rehabilitation.

The uPVC fold and form lining improves flow efficiency by minimising friction and reducing energy consumption in pumping systems. Resistant to chemical corrosion, uPVC ensures pipes maintain structural integrity, making it a reliable and cost effective solution for water supply, sewage systems, and industrial piping.

The pre-folded liner is environmentally friendly, with a straightforward installation process taking 4-5 hours, resulting in a rigid uPVC pipe capable of withstanding internal flow and external pressure.

Our uPVC liner system is in compliance with the specifications of ASTM F1871, ISO11295 and ISO9001 standards.

TOPHAT - LATERAL SEALING SYSTEM

The Cosmic “TOP HAT” is an innovative lateral sealing system designed for a permanent and structural repair around defective connections, including infiltration at the connection point to the main sewer. It is the industry's first system to provide permanent lateral sealing in relined pipelines or isolated defective connections.

Using a polyester-impregnated, corrosion-resistant fibreglass insert, the TOP HAT Rehabilitation System extends 150mm into the lateral and creates a 50mm “brim” in the main pipe. Its epoxy component ensures excellent sealing on wet surfaces. This equipment effectively seals 100mm to 150mm laterals in 150mm to 600mm main pipes.

The system’s unique fibreglass inserts fit all laterals regardless of the connection angle, delivered impregnated and protected in black foil for easy installation. The process involves placing the laminate on the applicator, driving it to the lateral/connection, and inserting it with air pressure, followed by curing using UV light.

This system is currently the global market leader in lateral junction restoration. This certified method uses glass fibre laminates to repair and seal off lateral connections. The system uses a remote control robot that inserts the Top Hat into position which is then cured through UV light. This creates a permanent, watertight seal between the main and lateral connections.



BENEFITS:

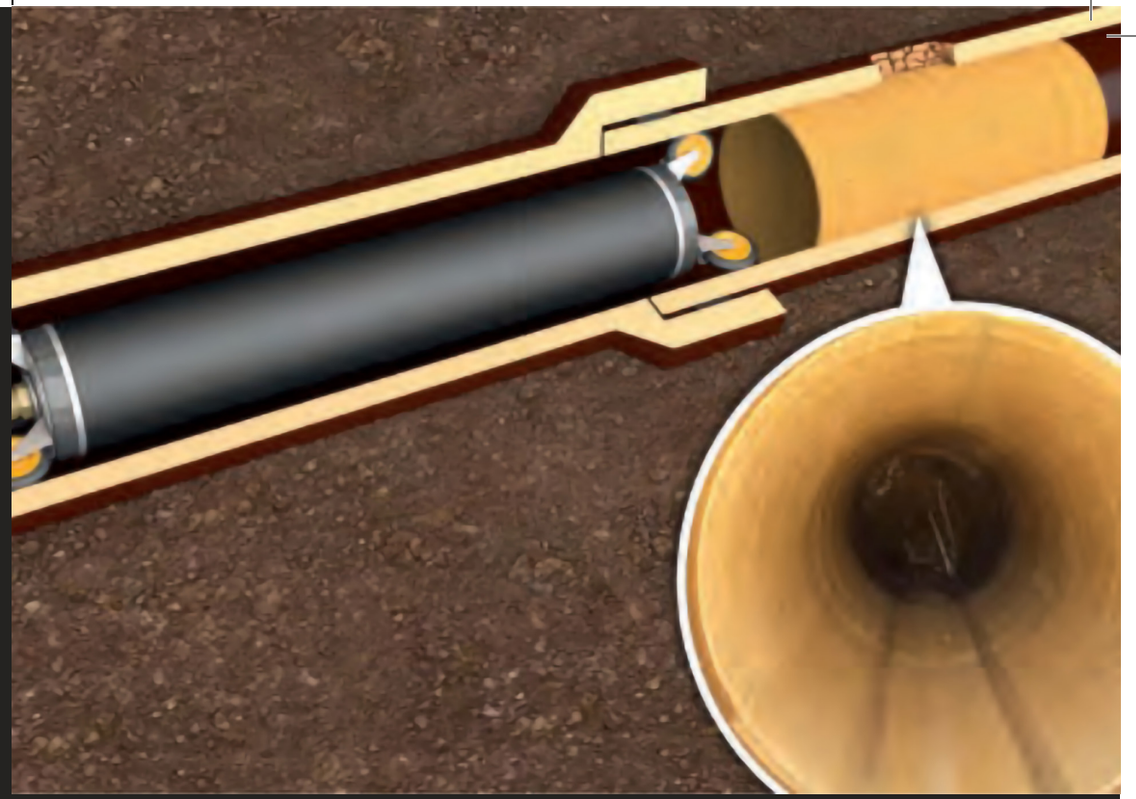
- The complete process takes less than 25 minutes.
- The speed of installation minimises traffic disruptions and bypass pumping.
- The reliable seal will stop the process of root infestation.
- This provides a durable seal with a 50 year warranty.

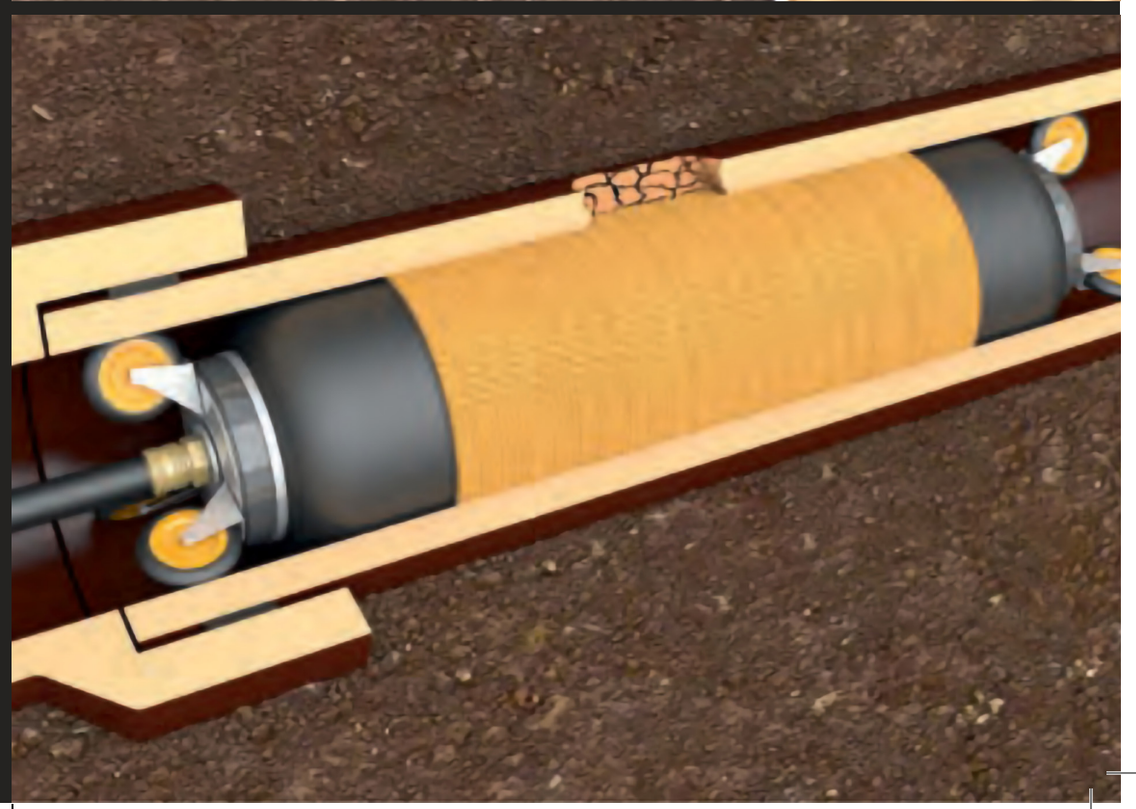
CIPP PATCH LINING

Pipetech provides specialised Cured-In-Place Pipe (CIPP) patch installation services for repairing newly laid pipes, especially in developed ground areas where excavation is challenging. This efficient method not only saves time but also reduces costs by eliminating extensive digging and associated reinstatement expenses. Pipetech's expertise lies in rehabilitating wastewater and stormwater pipes, employing customised plant and equipment seamlessly integrated into trucks for enhanced flexibility.

Utilising the latest Ipek CCTV Camera System, our inspections ensure comprehensive coverage in all situations. The system's ultra-light coiler, versatile control, and ergonomic design contribute to efficient on-site operations. CCTV inspection footage is recorded directly onto the camera's memory, transferred to a memory stick, and provided to the Principal in MPEG4 format via a memory stick or cloud-based link. Prior to patch installation, a high-pressure water cleaner is employed to thoroughly clean and remove debris.

Addressing pipeline damage such as cracks and leaks, our CIPP Patch is crafted from glass fibre-reinforced matting saturated with fast-curing resin. With glass fibres providing strength and rigidity, the patch is a 1.2m tube length composed of woven glass fibre matting, installed using a Pneumatic packer. Compatible with various pipelines, including concrete, earthenware, asbestos, and PVC, this patch offers a tailored solution for direct repair at the defect site. Its strength allows for a thin-walled application, minimising cross-sectional area loss. Custom manufacturing involves strategically layering fibreglass sheets and incorporating sufficient silicate resin to meet specific structural requirements.







PANEL LOK MANHOLE LINING SYSTEM

Introducing the Panel Lok lining system, a revolutionary technology designed for efficient and durable pipe and manhole rehabilitation. This system employs specially crafted panels that interlock to form a seamless and robust lining within existing pipes.

Panel Lok is designed as a bonded structural liner, which forms a composite pipe section with the host pipe. The long-term bond between the Panel Lok liner and grout, and the bond between the grout and the existing pipe, will transfer shear stress generated by composite action. Panel Lok – 17/300 (Extra Heavy) – is used for corrosion protection and structural enhancement of gravity and low-pressure pipelines ranging from DN800mm to DN1400mm, as well as maintenance holes and wet well chambers. Other profiles are available to suit client sizing needs.

The system emphasises its straightforward installation process, showcasing how the interlocking panels streamline the rehabilitation process. Additionally, it highlights the long-term benefits of the Panel Lok lining system, including enhanced structural integrity, reduced maintenance costs, and minimal disruption to the surrounding environment.

PIPE-IN LINER FRFPP PRESSURE PIPE REHABILITATION

PipeTech is the New Zealand distributor for this product, giving us a solution to pressure pipe relining.

Asoe Hose Manufacturing, Inc. has developed various trenchless pipe rehabilitation solutions for pressure pipes, with the Pipe-in Liner being one of the most straightforward options. The Pipe-in Liner is composed of Fabric Reinforced Flexible Plastic Pipes (FRFPP) and is installed by folding it into a U-shape, pulling it into the host pipes, and expanding it within the pipes to create a leak-free lining.

The Pipe-in Liner range includes the W Series for water main pipes, the O Series for oil pipes onshore or offshore, the G Series for gas pipes onshore or offshore, and the H Series for municipal heat systems (with a temperature resistance of up to 95°C or 203°F). Asoe is the pioneering company that developed this innovative solution for rehabilitating hot water pipes.

In addition to liners, Asoe provides complete solutions that include couplings to connect the Pipe-in Liner with host pipes, equipment for installing couplings, technical consulting services, and more. The Pipe-in Liner solution is semi-structural, and it is an innovative technology with a close-fit design for the trenchless rehabilitation of pressure pipelines.

Pipe-in Liner is both rigid and flexible, maintaining its shape within the host pipes even without internal pressure. It can navigate bends of up to 45 degrees or 90 degrees with a 5D radius, making it versatile for various pipe configurations. Minimal pipe cleaning is required before installing Pipe-in Liner for trenchless pressurized pipe rehabilitation solutions in New Zealand.





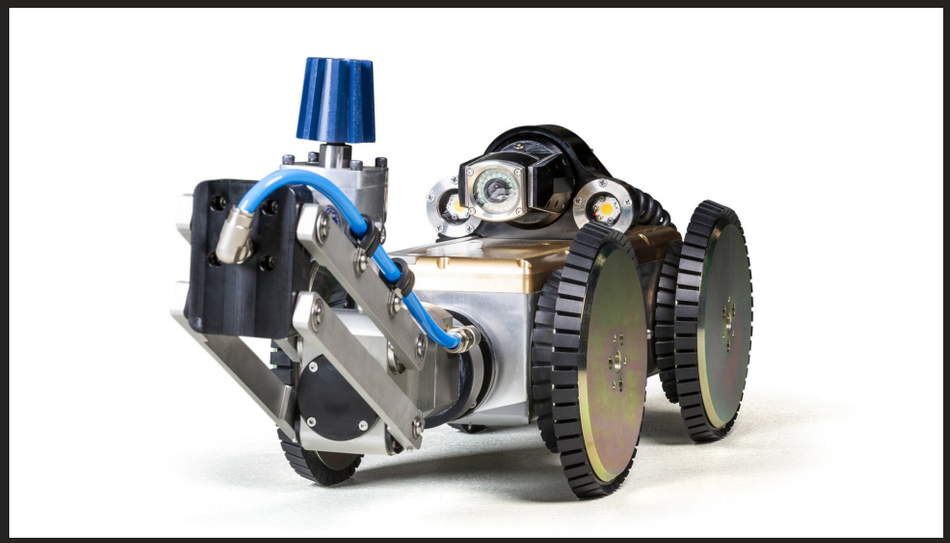
ROBOTIC CUTTING & ROOT REMOVAL

Revolutionize your pipeline maintenance with PipeTech's Robotic Cutting services and root removal solutions. Our cutting-edge technology and expert team ensure precise and efficient removal of roots and obstructions, keeping your pipelines clear and functioning optimally.



We have SUPER FLEX cutter capable of working in 75-150mm pipelines and navigating 45-90 degree bends, our fleet of KRE 150-250 robotic cutters capable of milling hardened deposits, root intrusions and lateral reinstatements. And finally, our KRE 300-600 robotic cutter for the larger hard to tackle jobs.

Say goodbye to costly and time-consuming traditional methods and embrace the future of pipeline maintenance with PipeTech. Trust us to deliver exceptional results and supreme service quality for all your pipeline maintenance needs.



CCTV & JETTING

Elevate your pipeline maintenance and inspections with PipeTech's cutting-edge CCTV inspection unit, the IPEK Rovion RCX95 for inspections in 100-375mm pipelines. Our skilled technicians provide comprehensive and precise inspections of your pipelines, identifying issues with unparalleled accuracy through our WinCan software. Paired with our high-powered Rion Profijet T4 system, we efficiently clear blockages and debris, ensuring optimal pipeline performance.

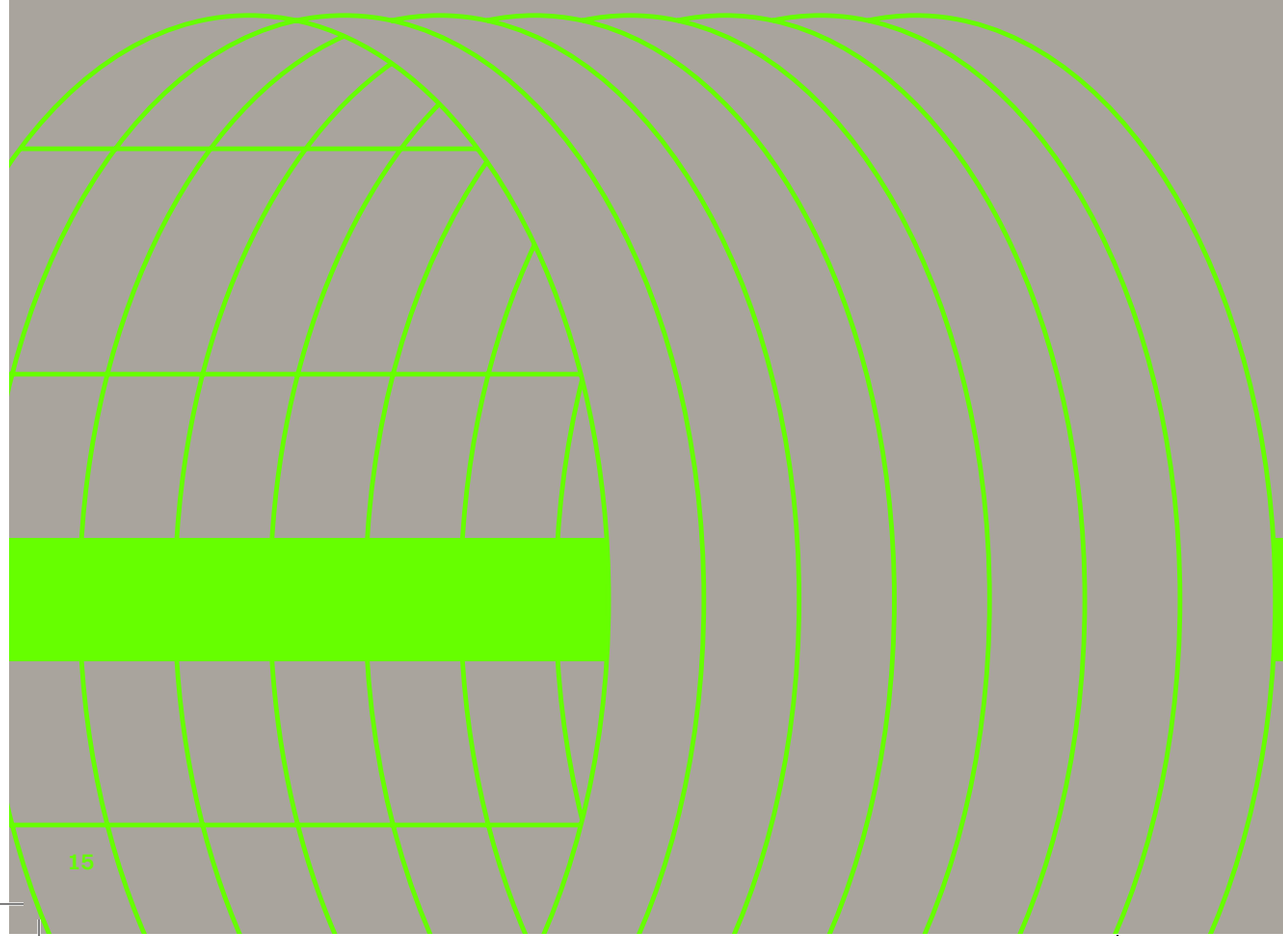


Embrace a new standard in pipeline maintenance with PipeTech - where quality, efficiency, and reliability converge to keep your pipelines in top condition.

Count on us to deliver exceptional results and unmatched service excellence for all your pipeline maintenance needs.



WHY WE STAND BEHIND OUR SYSTEMS



1. **TOUGH AND RESILIENT**
   We take great care to only use products we know we can trust to effectively repair and that will last the test of time. Design life is important and engineering the right option for the specific application is essential.

2. **SUPERIOR PRODUCTS**
   Thanks to our specialised suppliers, and their stringent QC and testing regiment along with our own to ensure quality control is taken seriously and we are installing the best quality products available for our clients.

3. **COST-EFFECTIVE REPAIR**
   Whether its a trenchless relining option or installing a patch to fix a damaged part of the pipeline we can offer a range of options that can be a wallet-friendly solution for localised damage or a full structural repair that is far less than excavation and relaying techniques.

4. **REDUCED COMMUNITY DISRUPTION**
   Our small and flexible approach ensures minimal interference with the community and limited impact on property access, allowing us to efficiently complete the job while keeping disruptions to a minimum.

5. **EASY INSTALLATION**
   We are easily mobilised and organised to make sure your experience with our team is seamless and straightforward.

GET TO KNOW US

We're proudly Kiwi and leading the way with our innovative "No Dig - No Mess" approach to pipe rehabilitation in New Zealand.



We offer a quality job every time, that's a promise.

OUR VALUES



INTEGRITY AND TRUST
This is at the core of every decision we make.

RELATIONSHIPS
The relationships we build are important to us, with constant communication being a key part of our service.

TROUBLE-FREE SERVICE
We're here to take the hassle out of your project, not add to it. We offer consulting and planning services to ensure your project is a breeze.

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It is our business to deliver quality to customers. Continuous improvement is our mantra which leads to enhancement of our technology and materials for all our products and services. We allocate significant resources to provide training in order to complete projects without faults and incidents.

ROWAN BURGESS
MANAGING DIRECTOR
PIPETECH

PipeTech Trenchless Technology

INNOVATION
We're always thinking ahead to do things better.

COMMUNITY
We care about our neighbours and yours. We always treat residents and the public with respect and professionalism, and ensure quick installations with minimal disruption.

THE ENVIRONMENT
We have a great respect for our land of Aotearoa.



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PipeTech have been relining pipes for the Whanganui District Council since 2011. They provide excellent support in the planning phase right through to arranging traffic management, homeowner communications, progress reports and completion videos.

CHRIS CARTER
DRAINAGE ENGINEERING OFFICER
WHANGANUI DISTRICT COUNCIL

WHANGANUI
DISTRICT COUNCIL
Te Kaunihera a Rohe o Whanganui

GET IN TOUCH

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