

UNDERGROUND SOLUTIONS
YOU CAN RELY ON,
BRANDS YOU CAN TRUST



CORPORATE OVERVIEW

Waterline Renewal Technologies (WRT) is a leading provider of engineered technologies used in the trenchless rehabilitation of wastewater/stormwater infrastructure for municipal, commercial, industrial and residential applications and provides a unique portfolio of products and services through its brands AP/M Permaform, ConShield Technologies, LMK Technologies, Perma-Liner Industries, LightRay and Pipe Lining Supply.

We provide trenchless rehabilitation of degraded infrastructure through differentiated products, technologies and services, to prevent inflow and infiltration of sewer systems.

WRT offers unique industry products through its core brands - AP/M Permaform, Centripipe, ConShield Technologies, LMK Technologies, Perma-Liner Industries, LightRay and Pipe Lining Supply - to revolutionize the water industry. The brands' experience in designing, patenting and manufacturing

trenchless technology continues to rise while producing products that are cost-effective solutions to rehabilitating, without excavation, existing sewer systems.

With a combined eighty-five years of global industry experience through its core brands, WRT continues to transform the water industry through intentional platform development, design and execution, while being one of the most comprehensive sources of education and information in the industry.

WRT's pioneering approach to trenchless rehabilitation is changing how municipal, commercial, industrial and residential sectors repair their water and wastewater infrastructure. Our goal is nothing short of completely revolutionizing the water industry to get water to where it is needed, when it is needed, and to get the right quality of water to satisfy the specific demand.



MARKETS SERVED



MUNICIPALITY



COMMERCIAL/INDUSTRIAL



RESIDENTIAL



Waterline Renewal Technologies

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**PERMA-LINER™
INDUSTRIES, LLC.**



SCAN ME



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PRODUCTS & EQUIPMENT

Perma-Liner™ (PLI) is the leading manufacturer and supplier of trenchless pipeline rehabilitation equipment & materials in North America. Since 1999 PLI has developed systems to rehabilitate existing sewer systems without excavation.

PLI offers customizable Pull-In-Place™ and Inversion Lateral packages from basic to turn-key and from ambient cure to heat assist cure. Our Inverter options include Micro, 20", 30" and 44", allowing lining capability for 4" scrim liner up to 300' and 6" scrim up to 250'. Contact us today for a quote.



Perma-Lateral™

The PermaLateral™ System is designed for 2" – 8" pipe diameters and can be installed through a single access point. 2" to 4" pipes can be rehabilitated up to 120 ft.+ in length, and 5" to 8" pipes can be rehabilitated up to 600 ft.+ in length. Perma-Lateral™ is the best-selling small diameter pipeline rehabilitation system in North America!

Perma-Main™

The PermaMain™ System is designed for 8" – 24" pipe diameters up to lengths of 600 ft. and more. The materials are air inverted through existing manholes and steam cure in as little as 1 ½ hours. Installation equipment is compact and user friendly, and materials are delivered prewet out.



Pull-In-Place™

The Pull-In-Place System is designed for 2" – 8" pipe diameters and allows lining 22s, 45s, sweeping 90s and vertical stacks with ease while stopping and starting anywhere in the line. It is a 100% trenchless solution that allows repairs to be made in less than a day and in most cases less than 5 hours.

LightRay™

LightRay™ is the most advanced low-powered LED UV-curing technology in the world. LightRay™ technology removes the risks and needs for carrying additional chemicals in your trucks and eliminates all measuring or mixing on-site and obsoletes any vacuum wet-out equipment needed.



Inverters

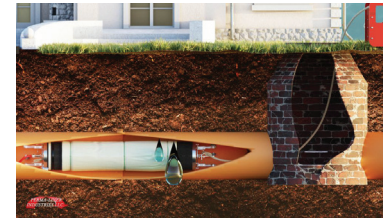
PLI's inverter options include the Pivoting Inverter, Micro Inverter and 44" Inversion Unit.

Specs:

- 44" Inversion Drum: 36" wide, 5'5" tall, Weighs approx. 250 lbs., Will shoot 300' of 4" scrim and 250' of 6" scrim
- 30" Inversion Drum: 30" wide, 50" tall, Weighs approx. 200 lbs., Will shoot approx. 120'-130' of 4" scrim and 100'-110' of 6" scrim
- 20" Inversion Drum: 20" wide, 41" tall, Weighs approx. 150 lbs., Will shoot approx. 90'-100' of 4" scrim and 70'-80' of 6" scrim
- Micro Inversion Drum: 12" wide, 21" tall, Weighs approx. 50 lbs., Will shoot approx. 40' of 3" scrim, 30' of 4" scrim and 20' of 6" scrim



PRODUCTS & EQUIPMENT



Sectional Point Repair

The Sectional Point Repair System is designed for 6" – 60" pipe diameters for multi-angle repairs (22°, 45° and 90°). The system can be installed to repair 2' – 10' areas on average but can accommodate lengths up to 30'. The materials are pulled into place through existing manholes and are ambient cured in 3 hours or heat cured in as little as 1 ½ hours.

Liner Options

We have an outstanding product lineup to repair lines from as small as 2" in diameter up to 48" in diameter. Liner types include Scrim Liner, Flex Liner and Transitional Flex Liner. PLI can also manufacture custom liner solutions. Contact us today for a quote.



Resins

PLI offers 100% solids epoxy resins for standard lateral lining in ambient and heat assist options. CIPP industry-standard resins, such as vinyl ester and polyester, are available for most projects. Specialty resins, including high-temperature, chemical-resistant and styrene-free, are available for specialty projects in industrial or environmentally sensitive areas.

Vertical Connection

The Vertical Connection Lining System is designed for use in vertical stack connections. The host pipe does not need to be dry prior to install and the cure time is less than an hour. This product will make installations much easier and require less time in condominiums and high-rise buildings.



Turn-Key Pipelining Trailers

PLI Turn-Key Pipelining Trailers come fully equipped to take your company to the next level. All trailers are proudly made in the USA. Zero down and zero payments for 90 days! Contact us today for a customized quote for your next trailer.

IMS Robotics

The IMS Robotics product line includes a variety of models specially designed for sewer rehabilitation. Get the devices you need to improve the capabilities and performance of your company.



Picote

Picote OY Ltd., headquartered in Porvoo, Finland, has selected PLI as a North American distributor for their full line of trenchless drain rehabilitation machinery and tools.