



Layne
inliner

INLINER



Layne Inliner, LLC is the second largest cured-in-place pipe (CIPP) lining company in the United States. We began as the first U.S. licensee of the Inliner® technology in 1991 and since that time have acquired the technology company, Inliner Technologies, and the liner manufacturer, Liner Products. This vertical integration gives us control of the Inliner® product from raw material purchases to product installation.

Layne Inliner offers a wide range of process, sanitary and storm water rehabilitation solutions to municipalities and industrial businesses dealing with aging infrastructure needs.



As a licensed installer and owner of the Inliner® trenchless sewer relining process, Layne Inliner has successfully installed more than 25 million feet of CIPP throughout the United States. Pipe diameters have ranged from 4-inches to 90-inches in traditional round as well as non-circular geometries. Layne Inliner's installation techniques, and the lining tube manufacturing facility, are ISO 9001:2008 certified bringing an added element of quality control to design and installation.

Perhaps the strongest aspect that Layne Inliner brings to the table is diversity in rehabilitation solutions. While we focus on our proprietary Inliner® CIPP, we are committed to full system renewal and have in-house capabilities for clean and TV, service lateral rehabilitation, slip-lining, excavation and replacement where required, and manhole renewal with cementitious and epoxy products.

Layne Inliner's proven history with all of these products and services ensures that we can meet the needs of our clients in an efficient and cost-effective manner.

**OVER 25 MILLION
FEET OF CIPP
INSTALLED**

THE LAYNE INLINER DIFFERENCE

We differentiate ourselves with the following unique characteristics: Integration, Integrity, R&D, Innovation and Experience.

VERTICAL INTEGRATION

We are the parent company of Inliner Technologies and Liner Products, the CIPP technology and lining tube manufacturers. This allows us to control the QA/QC of raw material purchasing, design, manufacturing and installation.

With this organizational structure, we are able to provide our clients single-source accountability as well as added quality assurance and control. This structure also gives us the in-house capability to handle almost any construction situation, including planned or those that are emergency in nature.



AN ONGOING COMMITMENT TO R&D

We work closely with industry leading resin and catalyst specialists, felt suppliers, equipment manufacturers, safety experts and other Inliner licensees to develop and market the finest products and safest, most sustainable installation procedures. This research and effort allows us to meet and exceed the expectations of our valued customers while helping shape the rehabilitation industry for years to come.

INNOVATIVE PROJECT DELIVERY

We bring a wealth of experience in new and innovative alternative delivery methods such as design-build or CMAR. Benefits to the owner often include accelerated schedules, single source accountability, and reduced costs.

EXPERIENCE

We have been installing CIPP for over 20 years and have many satisfied customers to show for it. With over 15 million feet of product installation behind us, Layne Inliner is the reliable and experienced CIPP contractor you are looking for, with the ability to handle your multi-disciplined and more complex projects.

TOP-SHELF SERVICE WITH INTEGRITY

We are large enough to handle any project, yet our employees are trained to provide attention to detail, adhere to customer needs and function as an extension of the clients we serve.

EXACTING QUALITY & STANDARDS

Layne Inliner's installation techniques and the lining tube manufacturing facility are both ISO 9001:2008 certified – adding an element of quality control to our installations. Our quality standards hold our product and services to the highest standards in the industry. Through this continued dedication to quality and resource allocation, we ensure our products meet today's standards as well as set the standards for tomorrow.



SERVICE OFFERINGS

With offices across the United States, Layne Inliner proudly serves our municipal and industrial clients with a full set of solutions designed to meet the unique needs of any rehabilitation effort. We ensure that we can meet the needs of our clients in an efficient and cost-effective manner while offering comprehensive products and service options.

CURED-IN-PLACE PIPE LINING

Our most widely used solution is our proprietary Inliner® cured-in-place pipe. CIPP is a proven, cost effective solution to problems normally associated with leaking or deteriorated pipelines, and its trenchless installation minimizes or eliminates the inconveniences caused by surface, roadway and private property excavations. Its installation is relatively simple to follow.

After first determining exact pipe diameters and condition, the required CIPP thickness is calculated so a liner tube can be ordered and manufactured. This tube is designed as a fully structural pipe or to serve as an interior infiltration barrier only.

Once delivered, and after thorough pipe cleaning, the resin impregnated tube is installed using one of two methods: direct inversion (ASTM F1216) or pulled in place (ASTM F1743). Curing begins after the liner is in place and this process can be achieved utilizing hot water, steam, or ultraviolet light system.

Following heat cure and the subsequent liner cool down, customer laterals are reinstated from the inside of the pipe and the pipeline is placed back into active service.



WHY CHOOSE CIPP?

- Versatile for many applications
- Sanitary, storm sewer & industrial process systems
- Roadway culverts
- Service life of 50 years or more
- Primarily trenchless resulting in no or limited surface and service disruption
- Host pipe material can be clay, concrete, ductile iron, steel or corrugated metal
- Diameter range of 4 to 120 inches
- Traditional round pipes as well as non-circular shapes (elliptical, ovoid, arch)
- Water, steam or ultraviolet light cure
- Low-pressure force mains



ANCILLARY SERVICE OFFERINGS



MANHOLE REHABILITATION

Since manholes suffer from a variety of problems, from minor leaks to major failures, an assortment of methods are required to properly renew them. The most cost-effective solutions are those that are tailored to overcome each particular problem.

When comprehensive rehabilitation is needed, epoxy coatings are recognized by corrosion experts as delivering the most effective protection for concrete and steel. We resolve those full depth, epoxy solutions for manholes, lift stations and underground structures. If full renewal is not required, we can deliver partial rehabilitation measures including casting adjustments and changes, chimney seals and leak grouting.



TRADITIONAL OPEN CUT AND EXCAVATION

Unlike most other trenchless rehabilitation companies, Layne has in-house resources that perform traditional excavation tasks sometimes associated with system renewal projects. This might include manhole replacement, new line installations, open cut service connections or major point repairs. Our customers are able to take advantage of this single source accountability to recognize cost savings and an increase in project quality and timeliness.



THE JANSSEN PROCESS

Janssen technology is the only no-dig remedy addressing the underlying cause of lateral connection failures: inadequate bedding and structural support. The Janssen system rebuilds proper bedding around the connection to permanently eliminate operational problems such as broken pipe, root intrusion or groundwater infiltration. Fast-curing resins are robotically pressure-injected into the cavities around a lateral, creating bedding that permanently eliminates root intrusion, infiltration and voids. It also seals the liner to the mainline at the lateral interface, preventing seepage between the two.



PIPELINE CLEANING AND TELEVISION

Routine cleaning and televising can improve the maintainability of sewer systems and allow for preventive solutions rather than reactive ones. Layne Inliner has significant internal resources capable of performing this evaluation work. Jet trucks, vacuum trucks and televising units equipped with the latest closed circuit televising (CCTV) equipment available are all part of the Layne Inliner equipment inventory.

WE PROVIDE. WE INVENT. WE PROPOSE. WE DELIVER.

SOLUTIONS

Layne Inliner is host to a broad range of rehabilitation options. We have the resources and innovation to provide more than just a single service. We bring complete solutions to the table and work with our customers to deliver the rehabilitation method that best addresses their specific infrastructure needs.

With offices nationwide and throughout the world our Inliner Division, Water Resources, GeoConstruction, Mineral Exploration, Heavy Civil, and Energy Services groups all strive to deliver total solutions to the world's ever growing water, mineral, and energy challenges.

LOCATIONS

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To learn more about Layne Inliner please visit us at www.layne.com. To contact an expert directly utilize one of the numbers listed above, or email your questions to inlinerinfo@layne.com.





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