



# AEGION®



## Stronger. Safer. Infrastructure.®



### Cured-in-Place Pipe for Industrial Applications

A pipe collapse can have catastrophic effects on plant operations, your budget and your bottom line. Aegion can help you avoid the costs of a failure or downtime by proactively renewing your underground assets.

A large number of pipes, sewers and drainage systems running under industrial plants are approaching or have exceeded their expected design life. Insituform can prevent pipeline problems by maintaining and protecting pipelines. As a pioneer in the trenchless pipeline repair industry, Insituform's affordable solutions renew and extend the life of underground piping and drainage structures.

Insituform is a worldwide provider of pipeline protection products. With over 45 years in the industry, our experience is unmatched and we address your top concerns.

- Experience – More than 25,000 miles of pipe rehabilitated with Insituform® CIPP.
- High quality products – ISO 9001:2008 certification for design, manufacturing, installation and service.
- Technical support – In-house research, engineering and materials expertise allow Insituform to tailor a solution to handle even the most complex pipeline problems.
- Responsibility – As a vertically integrated company, Insituform is responsible for every aspect of our product.
- Operational impact – Insituform's trenchless products require little digging and limited access, meaning that disruption to daily plant operations are minimal — potentially avoiding a plant shutdown.
- Speed – Insituform products can be installed in hours, as opposed to conventional restoration methods that can take weeks or even months. Insituform keeps your plant running.
- Structural integrity – Insituform® CIPP extends the useful life of your assets and is a fully structural solution. Independent test data confirms that CIPP has a design life of 50 to 100 years.
- Flow capacity – The smooth, jointless surface provided by Insituform® CIPP actually increases flow capacity inside the rehabilitated pipe. Insituform® CIPP also reduces maintenance costs over the life of the pipeline due to its smooth interior that is abrasion resistant and eliminates joints and seams that may separate over time.
- Safety – Safety is a priority for Insituform. Insituform holds its crews to the highest of safety standards. Each crew member regularly undergoes rigorous safety training and our teams are backed by a large network of experienced safety support professionals.

### CIPP Project Examples

- At a paper mill in North Carolina, Insituform® CIPP was installed in reinforced concrete pipe processed sewers during scheduled maintenance shutdowns as a preventive measure to avoid costly work production disruptions.
- Insituform® CIPP was installed on a 15-inch diameter storm line in South Carolina at a nuclear disposal location to prevent pipe failure and reduce exposure to hazardous soil conditions.
- An oil refinery in Illinois was experiencing infiltration at its river outfall. Insituform® CIPP was used to rehabilitate the storm pipe. Following installation, the new pipe passed all testing.

### Aegion's Industrial Products

Aegion completes complex industrial projects. In addition to Insituform's solutions, United, Compro and Fibrwrap also provide leading infrastructure solutions.

- Insituform® CIPP: A jointless, seamless pipe-within-a-pipe that renews structural integrity to water, wastewater and industrial pipelines while increasing flow capacity, Insituform® CIPP significantly reduces long-term maintenance costs and can be installed with minimal disruption in pipes ranging from 6- to 96-inches in diameter.
- The InsituMain® CIPP system: Ideal for the renewal of pressure pipelines up to 60-inches in diameter, the InsituMain® CIPP system is engineered and manufactured to project specifications. It can be designed as an interactive or independent solution to meet your precise rehabilitation needs. Installation requires little to no disruption to your plant operations.
- The Tite Liner® system: A high-density polyethylene (HDPE) lining method, the Tite Liner® system is used in the oil, gas, mining and chemical industries to protect pipelines against internal corrosion and abrasion.
- Cathodic protection: Advanced systems and programs prevent the loss of metal and the loss of coatings due to corrosion. Properly designed, installed and maintained cathodic protection systems can effectively save plant owners tens of thousands of dollars in maintenance, repair and re-coating costs.
- The Tyfo® Fibrwrap® composite systems: This fiber-reinforced polymer material is ideal for strengthening industrial structures because of its high strength-to-weight ratio and its ease of installation. The Tyfo® Fibrwrap® can be installed with minimal impact to the operations of the structure and is easily installed around existing equipment and instrumentation.

### Safety Mission

Aegion is committed to providing a safe and healthy workplace for all of our employees and we believe ZERO INCIDENTS ARE POSSIBLE. Our commitment to safety minimizes the impact on the environment, controls risks to our employees and maintains safe work practices.

Aegion's Safety and Health Management Systems comply with all relevant government regulations regarding personal health and safety. In addition, our business platforms are focused on leading indicators which are aligned with the zero injury safety culture. To prevent injuries, the groups are looking at leading indicators such as behavior based safety trend analysis, near miss reporting, safety auditing, safety culture days and safety training.

Aegion demands full commitment and active participation from every manager, supervisor and employee in our comprehensive safety plan which covers every activity in our business. The health and safety of our employees will never be compromised in any of our activities.