The combination of products and services offered by APTec aims at delivering solutions for protecting pipelines from corrosion and abrasion using trenchless technology.

SERVICES

Steel Pipeline

APTec provides pipeline construction services related to preparing pipelines for rehabilitation and internal lining. Including excavation, welding, hydrostatic testing, backfill and cleanup.

Plastic Pipe Systems

APTec provides the complete installation of HDPE pipes ranging from 2” (50mm) through 48” (1200mm) diameter pipe range. We predominantly utilize McElroy fusion machines that consistently produce high productivity, quality welds.

Slip lining

In low pressure applications the Slip lining process is an alternative to the tight fitting Sure-Liner product. Slip lining involves the insertion of a loose-fitting plastic liner pipe inside an existing pipe, thereby taking advantage of the existing pipe as a conduit. The plastic pipe to be pulled inside the existing pipe is smaller in diameter and therefore there is less resistance during the Slip lining process. This means that in most cases longer insertion lengths can be obtained.

Slip lining using Spoolable Composites

For situations where pipeline integrity has been compromised in multiple areas, and it's no longer economically feasible to repair it to a suitable operating condition, APTec provides installation services for a variety of different spoolable composite pipeline products. This method provides customers with a highly efficient installation by utilizing existing pipelines as the carrier for the new composite product, all while being able to provide operating pressures in excess of 2000 psi. Installation lengths vary depending on pipeline contour but regularly exceed 6,560 feet (2,000 m).

Pipe Bursting

APTec utilizes the latest methods of trenchless pipe bursting for existing buried pipelines. The existing damaged pipe is “burst” by advancing a pneumatic (or hydraulic) expanding head that is pulled through the existing line while simultaneously pulling the new replacement line in behind it. Pipe Bursting provides an ideal solution for upsizing capacity of existing lines ranging from 6” to 36” in diameter.

Directional Drilling

Directional Drilling provides the versatility to install various types of pipe ranging from 2” to 24” dia. when traditional trenching methods are not possible. This process allows for the drill to travel beneath highways, roads, rivers, railroads, arroyos, etc. It can be applied to the installation of stainless steel, carbon steel, HDPE, PVC and other materials to suit the need of any project. APTec has completed bore crossings up to 2,000 linear ft. v, and can easily handle much more.

Trenchless and the Environment

APTec provides solutions for rehabilitating or replacing existing pipelines with a minimum of environmental impact. Our trenchless technology allows quick and efficient repairs and replacement without the need for excessive surface disturbance.
Sure-Liner System

The Sure-Liner process involves the insertion of a tight-fitting plastic liner pipe inside of a steel pipe, thereby taking advantage of the mechanical strength of the steel pipe combined with the abrasion and corrosion resistance of the plastic liner pipe. The liner pipe’s physical properties are defined and specified in accordance with the characteristics of the product being conveyed by the pipeline. Because of the tight fitting design, the liner pipe is radially compressed (rolled down) to reduce its outside diameter during the insertion process. Insertion lengths can vary from short pull lengths to long pull lengths up to 1,500 meters (5,000 feet), depending on the pipe diameter and topographical contour of the pipeline.

The Sure-Liner roller reduction method involves the radial compression of the plastic liner pipe by passing it through a series of roller reduction unit during the insertion process. Once installed, the plastic liner expands within the steel pipe and fits tight against the inside wall.

Posi-Seal Flange Connection

Internal pipe lining systems require multiple access points by means of flange connections for the insertion of the liner pipe. Although the Sure-Liner system minimizes these access points due to the long pull sections, it is still essential to utilize a high pressure flange design. The Posi-Seal connection is an advanced design flange connection that utilizes multiple self-energized seals, thereby assuring an effective connection compatible with ANSI rated 150# - 2,500# flanges.

Spool Fabrication and Lining

APTec can fabricate and internally line piping spools in accordance with pressure piping codes. We also provide shop-applied internal rotationally-molded HDPE lining for corrosive applications, as well as external epoxy paint and coatings.
REDUCE
Trenchless technology reduces pollution and waste.
Eliminates leaks and extends the life of your pipeline.
Decreases the risk of environmental contamination.

REUSE
& REHAB
Allows construction in environmentally sensitive locations without excessive disturbance.

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APTEC, IT’S ALL ABOUT THE EXPERIENCE
Pipelines are our Passion. Our focus is technology, but at APTec, our experienced employees make the difference.
APTeC was established by a group of professionals dedicated to pipeline construction, internal pipe lining, pipe rehabilitation and plastic pipe applications. Our team is comprised of distinguished industry professionals who have been providing solutions since 1985.
When you contract with APTec, you get a commitment to your goals, attention to detail, and a wealth of experience in pipe services. Solving our Client’s problems through innovative solutions and outstanding service are our fundamental principles.

OUR MISSION
To provide our Clients a competitive advantage by delivering services of unmatched value, thereby enhancing shareholder and employee interests, while maintaining the highest standards of integrity, quality and safety.