

## Piping Inspections

Piping failures are the leading cause for unexpected downtime in power plants and other industrial facilities. GE Energy has developed innovative inspection tools and techniques to help identify and prevent potential failures, reduce inspection costs, and keep your critical pipelines functioning.

### Offerings

#### • Corrosion Under Insulation (CUI) Inspection

GE uses Lixi Profiler technology to provide radiographic testing of your pipelines. This technique detects general wall loss due to corrosion and can be performed without removing insulation. This fast screening tool also provides a much more comprehensive inspection than the standard “plug” method.

#### • Corrosion Mapping and Weld Inspection

We use state-of-the-art automated ultrasonic technology, including Time of Flight Diffraction (TOFD), to perform comprehensive integrity examinations and detect flaws while your equipment remains online.

#### • Pipeline Integrity Services

GE offers a comprehensive evaluation of your transmission and gathering pipeline systems. These services are performed in support of in-line inspections (ILI), direct assessment and rehabilitation programs on gas and liquid pipelines.

- Correlation of pipeline features identified by ILI tools
- Location verification procedures to ensure correlation results
- Soils and environment assessment procedures
- Anomaly and coating assessment
- Repair methods and assessment

### The GE Advantage

Pipeline inspections by GE Energy offer several significant advantages:

- Reduced downtime – In most cases, GE can inspect your pipes while they are still in use.
- Lower inspection costs – Eliminating the need to remove insulation can dramatically reduce the cost of the inspection.
- Complete inspections – We reduce risk of failure by inspecting the entire pipe. Conventional methods test only plug samples.
- Onsite reporting – Before our technicians leave your site, you will receive a comprehensive, easy-to-analyze report of the inspection results.

### Training

GE piping inspectors are certified in accordance with the American Petroleum Institute (API) 570 guidelines.

### Locations

GE's certified piping inspectors are located in offices across the U.S. and can be deployed quickly to meet your inspection needs.



For more information, contact GE Energy at (800) 845-1923 or visit us online at [www.gepower.com](http://www.gepower.com).

