Improve reliability and plant safety
UltraPIPE®, an inspection data management system

Reduce the Risk of Equipment Failure
Asset integrity management is critical to the operation of any process facility. That’s why it’s important to closely monitor and manage the health and remaining life of fixed equipment. Failure to do so can expose your operation to equipment failure, unplanned downtime, loss of containment— even loss of life. The resulting financial consequences can be dramatic - including repairs, scrapped inventory, lost production output and severe environmental and regulatory fines.

The world’s most popular Inspection Data Management System (IDMS), Siemens’ UltraPIPE technology sets the standard for corrosion monitoring and predictive inspection scheduling. This powerful tool enables operators to input, organize, analyze and document thickness inspection data.

Inspection Planning Made Simple
UltraPIPE takes the guesswork out of inspection planning by prioritizing equipment based on factual data analysis, trending and risk.

Increase Visibility
UltraPIPE helps improve plant safety by increasing visibility on equipment past due, with high corrosion rates or short remaining life.

Improve Efficiency
Because management reports can be sorted by due date, prioritizing activities and operating efficiently has never been easier.

Reduce Errors
Automatic transfer of thickness readings from data loggers into UltraPIPE saves time and reduces errors.

Flexible design makes UltraPIPE easy to implement into your existing mechanical integrity system. Robust features give inspectors instantaneous access to prior inspection data, inspection scheduling and equipment life prediction and more.
Key functionality

- **Master Equipment List**
  Display the names and descriptions of equipment in your facility, as well as customizable lists displaying additional information related to equipment such as P&ID, Serial, PFD, etc.

- **Corrosion Monitoring**
  Store equipment design and TML information such as pressure, temperature, material, size, retirement thickness and more.

- **T-MIN Calculators**
  Automatically calculate retirement thickness based on design information and specific TML location.

- **Thickness Surveys**
  Manually store thickness measurements or automatically transfer readings from DMS or Panametrics devices.

- **Analytical Settings**
  Users can choose and customize analysis options that determine how corrosion rates, remaining life and next inspection dates are calculated.

- **Remaining Life Analysis**
  Estimate corrosion rate and remaining life using thickness readings.

- **Activity Scheduling**
  Enables inspectors to schedule Visuals, Internals and any other equipment activities.
  Inspection frequency options include fixed years, life-based and RBI methodology.

- **Management Reporting**
  What equipment is due or past due for inspection as well as what equipment needs to be repaired or replaced?

- **Managing Inspection Documents**
  Manage and link all documents (written reports, pictures, data sheets, etc.) and file types to individual equipment.

- **Recommendation and Repair Tracking**
  Document and track recommendations and repairs to completion.

- **Valve Inspection and Testing**
  Store valve information, schedule bench and field tests and store test results.

- **Equipment Drawings**
  Link drawings to equipment using AutoCAD, Microstation or CAD Viewer.
  Display TML information on drawings that is continually updated with the most current information.

- **Information Security and Data Integrity**
  Set access levels for all users so that only qualified employees are approved to access each database. Also specify module access and editing privileges for each user.

- **Deployment**
  UltraPIPE can be licensed to meet your integrity management needs, from single user and local area networks to multi-site wide area network deployments.