



# Ultra Plant Inspection and Piping Equipment

UltraPIPE®

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, valves and piping. Failure to do so may expose your operation to equipment failure, unplanned downtime, loss of containment and even loss of life. The resulting financial consequences can be dramatic, including repairs, scrapped inventory, lost production output and severe environmental and regulatory fines.

As one of the world's most popular Inspection Data Management Systems (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 past due equipment 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 helps save 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, equipment life prediction and more.



## Key functionality

Automatic transfer of thickness readings from data loggers into UltraPIPE helps save time and reduces errors.

- **Master equipment list**  
View the names and descriptions of equipment in your facility, or filter down to a select few. Display customizable lists with additional information related to equipment such as P&ID, Serial Number or PFD.
- **Corrosion monitoring**  
Store equipment design and TML information, such as pressure, temperature, material, size, retirement thickness and more.
- **T-MIN calculators**  
Automatically calculate a pressure retirement thickness based on design information and TML location, or specify one manually.

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- **Thickness surveys**  
Manually enter thickness measurements or automatically transfer readings from a UT data logger. Automatically highlight your growths and/or losses.
- **Analytical settings**  
Users can keep standard analysis options or customize them to determine how corrosion rates, remaining life and next inspection dates are calculated.
- **Remaining life analysis**  
Use thickness readings to automatically calculate corrosion rates and remaining life.
- **Activity scheduling**
  - Enables key personnel to schedule inspections for visuals, internals and any other equipment activities.
  - Inspection frequency options include fixed years, life-based and RBI methodology.
  - Specify a due date for turnarounds.
- **Management reporting**  
Run reports on multiple databases to quickly find out what equipment is due or past due for inspection as well as what equipment needs to be repaired or replaced.
- **Managing inspection documents**  
Easily manage and link any document (written reports, pictures, data sheets, etc.) or file type to individual equipment.
- **Recommendation and repair tracking**  
Track recommendations from creation to completion.
- **Custom reports**  
Create and customize a wide range of reports to fit all corporate, site or industry guidelines.
- **Valve inspection and testing**  
Schedule bench and field tests, and store test results and valve information.
- **Equipment drawings**
  - Link drawings to equipment using AutoCAD, Microstation, CAD Viewers or other document viewers.
  - Display TML information on drawings that are continually updated with the most current information through UltraPIPE.
- **Information security and data integrity**  
Set access levels for all users so that only qualified employees are approved to access each database. Specify feature 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.
- **Training**  
Siemens offers training and support opportunities for new and advanced users.