





# Predictive Corrosion Management

## Enabling better decisions with analytics and visibility of interior piping wall loss

Predictive corrosion management capabilities, offered as part of the APM portfolio, combine cloud-based software with Rightrax PM installed sensors to non-intrusively monitor interior piping wall loss due to corrosion and erosion.

-  **Hardware**
-  **Cloud-based software**
-  **Services and support**

### Collecting data: small profile installed sensors

-  Proprietary SolGel – eliminates need for couplant, adhesives, or welding
-  1"x1" footprint – Fits under insulation
-  Precision – 0.79 mil / 0.02 mm
-  UT frequency – 5 MHz
-  ATEX certified/FM approved

Clamping straps fit 5 cm - 61 cm / 2" - 24" pipes

### Wireless ultrasonic monitoring: Mote - 64 sensors

- ▶ Fully self-contained
- ▶ Battery powered – 5 year lifespan

Cloud-based Software

mini field agent

mote manager

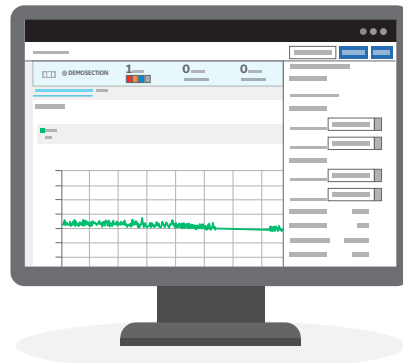
Measure interior wall thickness and temperature



View current and projected wall loss and corrosion rates



Identify points of high corrosion risk



## Drive better outcomes and value

- ▶ Manage and mitigate corrosion-related risks to operations
- ▶ Reduce inspection-related costs
- ▶ Utilize continuous sensor data for better informed asset, maintenance and process decisions
- ▶ Measure corrosion inhibitor program effectiveness
- ▶ Improve personnel safety