Oil and Gas Transportation Operations Optimization

Minimize corrosion events and improve pigging operations through reliable and accurate pig passage and metal loss information.

Pig Passage Detection and Metal Loss Monitoring

Pigging operations are critical to sustain increased hydrocarbon transportation performance. Debris accumulation, corrosion proliferation, and other phenomena can jeopardize the pipeline's integrity and block the passage of pigs.

Safe and Robust Pig Passage Detection

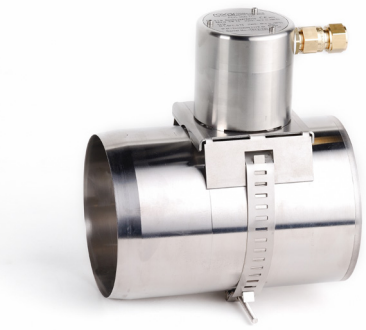
Intrusive pig detectors are in contact with the fluid and have moving mechanical parts that can provoke loss-of-containment events or miss an important passage. Non-intrusive pig detectors do not require mechanical modifications, avoiding pipeline integrity risks while providing more accurate information.

Avoid Leaking Events

Corrosion agents can hinder the asset's infrastructure invisibly from the inside. The rate of metal loss increases rapidly with flow rate, corrosive agent's concentration, and proliferation of pipeline dead legs. Pipeline operators can monitor this challenge using online non-intrusive wall thickness sensors to make data-driven decisions.

Enhance Oil and Gas Transporation Performance

Historic pig passage and metal loss rates uncover operational insights about the present and future pipeline health. Seamlessly gather, store, and share information across key decision makers to maximize future transportation operations.



Non-intrusive pig detection and corrosion and erosion monitoring systems offer real-time pig passage and metal loss information to help you confidently increase oil and gas transportation rates.

For more information, visit
Emerson.com/Corrosion-Erosion
or contact your local Emerson Sales Representative

EMERSON™

Oil and Gas Transporation Operations Optimization

Real-Time Pig Passage and Metal Loss Information

Pig Passage Detection

The Roxar™ PDS PIG Detection System is a non-intrusive device designed to detect the passage of pipeline inspection gauges in flow, gathering, and transportation lines. The Roxar PDS is installed over a straight pipe section and data is retrieved via a Modbus® Remote Terminal Unit (RTU), providing actionable information directly to your Distributed Control System (DCS) or Supervisory Control and Data Acquisition (SCADA).

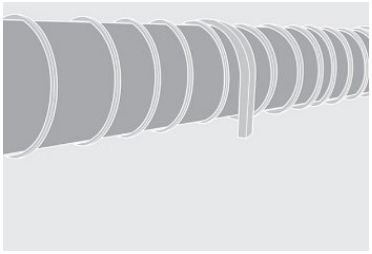
Roxar PIG Detection System

Wall Thickness Measurement

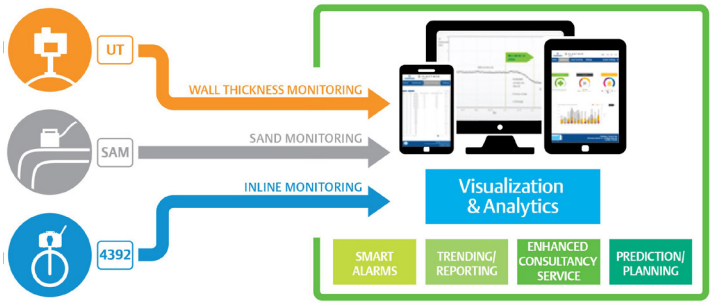
The Rosemount™ Wireless Permasense ET210 Corrosion and Erosion Monitoring System is a non-intrusive device designed to continuously measure wall thickness in pipes and vessels using ultrasonic technology (UT). The Rosemount Wireless Permasense ET210 is non-intrusive and battery-powered, allowing for quick and straightforward magnetic installation over erosion hotspots in both single or multiple unit arrangements. The Rosemount Wireless Permasense ET210 delivers data via *Wireless*HART®, enabling secure and cost-effective data retrieval to desk.

Rosemount Wireless Permasense ET210

Complete Solution for Oil and Gas Transportation Operations



PLANT ASSETS



PIG DETECTION AND METAL LOSS MONITORING

00807-1200-4210 Rev AA

Consider It Solved.

Emerson Automation Solutions supports you with innovative technologies and expertise to address your toughest challenges.

For more information, visit Emerson.com/Corrosion-Erosion

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