

# CORROSION MONITORING IN REFINERIES

Address your safety and operational challenges and drive your refinery to its maximum capability.

## Emerson's Corrosion Monitoring Solutions for Refineries

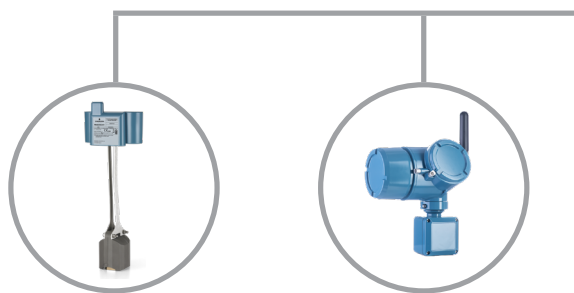
Refineries are complex plants, with a range of processes and materials, leading to variable and invisible corrosion risk with unknown impact on the asset health. Corrosion is the root cause for many of the maintenance, integrity, and safety issues faced by refiners today.

### Benefits of Corrosion Monitoring

- **Improved Safety:** Industrial accidents are often related to uncontrolled or unexpected corrosion. By monitoring corrosion, the elevated risk and damage are detected long before loss of containment improving operational safety for the plant, personnel, and the environment.
- **Increased Uptime:** A data-driven corrosion and integrity management program will ensure that asset conditions are known. As a result, maintenance and repair strategies can be optimized in timing and scope, and unplanned outages can be avoided.
- **Optimized Crude Usage:** Low-cost, low-quality crudes offer huge potential for increasing profitability but bring increased corrosion risk into the refinery. Comprehensive corrosion monitoring is needed to validate how the plant can cope with the increased risk or inform upgrade decisions.
- **Process and Corrosion Control Optimization:** Visibility of corrosion risk and plant health enables better informed operational decision making. Processes and corrosion inhibition strategies can be optimized to balance the risk of corrosion damage against efficiency and profitability.

### Real-time Monitoring of Corrosion Risk and Asset Health

Emerson helps you transform the way you drive your refinery's operational reliability, safety, and profitability. By bringing together leading corrosion sensing technologies, class-leading visualization and analytics software, Emerson provides a comprehensive monitoring solution tailored to your toughest challenges. Combined with Emerson's vast industry expertise and local service capabilities, Emerson's refining solution is unmatched.



Rosemount™ Wireless Ultrasonic Thickness Corrosion and Erosion Transmitters

Rosemount 4390 Series of Corrosion and Erosion Wireless Transmitters



Emerson's Plantweb™ Insight brings your corrosion data into an easy-to-use analytics platform, using *WirelessHART®* to provide your refinery with timely, actionable insights

For more information, visit [Emerson.com](https://www.emerson.com) or contact your local Emerson Sales Representative

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