

Protect Wellhead Integrity with Wireless Monitoring



Improve Wellhead Cost Effectiveness and Safety with Remote Monitoring Solutions

A common cause of costly environmental and safety issues is the lack of monitoring wellhead operations. Emerson's wireless wellhead monitoring solutions deliver actionable data in real time to help you control and monitor safety, and improve the cost efficiency of your operation.

Get Accurate Production Data in Real Time

Automated wireless wellhead monitoring continuously sends accurate, reliable data to help you identify and prevent integrity issues without the need for an onsite visit.

Ensure Well Integrity

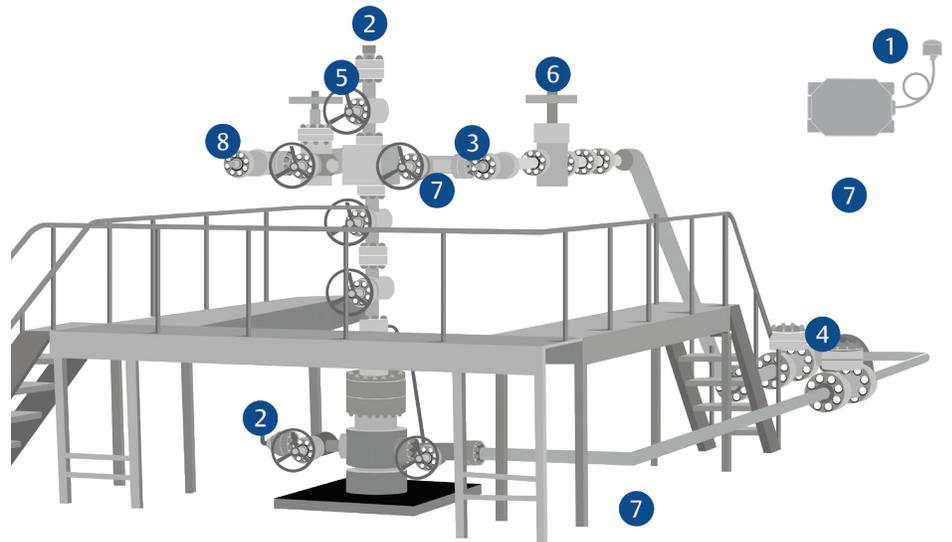
Wireless wellhead monitoring provides continuous insight into flow line pressure, as well as tubing and casing integrity, helping you eliminate manual operations, unnecessary workovers and potential safety incidents that can negatively affect production.

Reduce Time, Cost and Complexity

Wireless monitoring eliminates cabling, junction boxes and physical I/O connections to dramatically reduce installation complexity and cost, as well as the time needed to remove and reinstate instrumentation for wellhead workovers, helping you return to production faster.

Wireless Solutions to Optimize Wellhead Operations

Automate your field faster and gain insight into remote operations with Emerson's wireless solutions for wellpads. Reduce maintenance headaches, spend less time on site and reduce the risk of environmental issues while maximizing production.



1 Wireless Network

Self-organizing adaptive mesh routing for easy start-up and integration.

- Emerson *WirelessHART*® 1410S with Rugged Modular Gateway

2 Tubing and Casing Pressure

Wireless pressure gauges deliver reliable data continuously, reducing or eliminating the need for manual rounds.

- Rosemount™ Wireless Pressure Gauge
- Plantweb™ Insight Wireless Pressure Gauge Application

3 Product Temperature

Add temperature measurement without piping penetrations to monitor wellhead equipment integrity and improve operational efficiency. A range of wireless sensor options enables quick installation throughout the wellpad.

- Rosemount 648 Wireless Temperature Transmitter with Rosemount X-well™ Technology

4 Flowline Pressure

Deploy differential and gauge measurement points quickly, even in remote locations. A wide range of sensors and connection options provides reliable measurement of pressure fluctuations and changes.

- Rosemount 3051S Wireless Pressure Transmitter

5 Plunger Arrival

Detect the arrival event in real time and send the signal back wirelessly.

- Rosemount 702 Discrete Transmitter for Plunger Arrival

6 Valve Positioner

Get an accurate valve stem position that is proportional to the input signal.

- Fisher™ 4320 Wireless Position Monitor

7 Gas and Leak Detection

Quickly and easily detect hydrogen sulfide (H₂S), carbon monoxide (CO) and oxygen depletion (O₂) in remote applications.

- Rosemount 928 Wireless Gas Monitor

8 Corrosion and Erosion Monitoring

Complete, non-intrusive, sensor-based solution for continuous monitoring of pipework metal loss from corrosion or erosion in extreme environments.

- Rosemount Wireless Permasense Corrosion and Erosion Monitoring Sensors

WirelessHART sensors can be quickly added to existing units without the need for expensive and time-consuming cabling, junction boxes or additional physical I/O points, to provide greater insight faster and cost-effectively.



For more information about wireless solutions for wellpads, visit [Emerson.com](https://www.emerson.com) or contact your sales representative.