Siemens Process Instrumentation WiPS Series Wireless Solutions

Now you can monitor and control level, flow, pressure, temperature, alarms, etc., while eliminating costs for cable, conduit, trenching and boring.

From Simple monitoring and control to Supervisory Control and Data Acquisition (SCADA), many industries are rapidly adopting wireless technology. Siemens wireless, field instrumentation solutions provide highly reliable data communications in difficult environments. Flexibility, installation ease, and low cost are just some of the advantages of wireless, radio signal transmission versus traditional, cable-based circuits.

Retrofitting an existing instrumentation system with cable-based circuits involves digging trenches, laying conduit, erecting scaffolding, and installing cable. The costs and installation complexity multiply when signals must pass through obstacles such as streets, railroad tracks, or waterways. When you add in the possible costs of development, inspections, and permits, upgrading a cable dependent system can become very expensive.

On the other hand, a wireless radio link is easily installed and quickly operational. It can save thousands of dollars in just the installation costs.

Advantages of the radio link wireless solution:

- Eliminates the expense, time, and installation costs of cable circuits
- Offers an alternative to wiring harnesses and slip rings that can wear out on moving devices
- Provides monitoring and control of remote locations where cable installations are impractical and phone lines are unavailable.

wireless SOLUTIONS

SIEMENS

Wireless Reliability

Wireless is rapidly becoming a standard in everyday life. From its introduction in personal, consumer-grade applications, wireless technology has advanced to industrial applications where wireless signals commonly connect industrial equipment with controllers and sensors.

Benefits of Siemens Wireless Radio Solutions

- Reliable transmission up to 1000 feet - no line of sight. Longer distances available with additional equipment and line of sight.
- 902-928MHz Frequency Hopping Spread Spectrum tolerates high-interference environments
- No FCC license needed
- Compact, robust packaging

Wireless I/O for Monitoring and Control

Wires from a field transmitter to a PLC card are no longer necessary to send and receive 4-20mA or digital signals. There is no programming required. You can choose:

- One-way for monitoring
- Two-way for control with expandable I/O
- Up to 34 analog or 68 digital signals

Industrial Applications

- Level, pressure, temperature, flow transmitters
- Weighfeeders and belt scales
- Valve positioners
- Pump controllers

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