



Remote digital displays improve accessibility of process data.

for liquids level measurement



Challenge

A global chemical producer, located near Houston, Texas, manufactures oil well chemicals, emulsifiers and anti-corrosive agents used by the drilling industry. These chemicals are vital to the efficient extraction of oil through a ground well.

A constant supply of raw material in the production process is fundamental. Process interruptions from lack of raw materials are costly.

For level measurement on chemical storage vessels, the company uses a Siemens SITRANS LR250 radar transmitter. Measurement data is collected in the control room on the opposite side of the plant; the control room not accessible to the operator. Operators are required to gather data by climbing the 16-foot vessel, which is time-consuming, hazardous and inefficient. Without continuous readings from the level transmitter, operators estimate levels throughout the day based on the initial morning reading. This leads to ordering errors if the chemical usage is inconsistent during the day. The company needed accessible,

Chemical

Answers for industry.

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reliable and continuous level readings to accurately manage inventory and chemical reordering.

Solution

In March 2007, the company installed SITRANS RD200 from Siemens. SITRANS RD200 is a panel mount remote digital display for process instrumentation. It accepts universal inputs, including current, voltage, thermocouple and RTD signals. The SITRANS RD200 is easy to install and configure with just a few parameters. It allows the operators to view measurement data from SITRANS LR250 conveniently from the base of the tank. With free-to-download RD software operators can configure the SITRANS LR250, log data and acknowledge alarms.

Benefits

Now that the SITRANS RD200 has been installed the SITRANS LR250 measurement data is accessible, reliable and continuous. The SITRANS RD200 has solved inventory problems, eliminated manual gauging, saved time and money and freed operators

for other important tasks, while enhancing safety. The company now has continuous reliable measurement readings and plans to install SITRANS RD200 displays in combination with other instruments to eliminate manual inspection.

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