

Petrolera Entre Lomas S.A. Realizes Engineering and Installation Cost Savings with Smart Wireless

BENEFITS

- Smart Wireless solution was installed quickly and easily
- No site survey or engineering pre-work was required
- Test results conclude cost reductions and potential savings



CHALLENGE

Entre Lomas is an active field of Petrolera Entre Lomas S.A. that produces 2,200m³/day of oil & 1MM³/day of gas located on the eastern slopes of the Andes Mountains. Entre Lomas has used a digital control architecture with DeltaV and AMS Device Manager since 2002. Entre Lomas decided to test wireless technology to analyze potential engineering and installation savings for future projects. The test involved installing wireless monitoring points and enabling connection to their existing DeltaV control system within ten days.

SOLUTION

Entre Lomas deployed a Smart Wireless solution consisting of two temperature transmitters and one differential pressure transmitter. The devices, based on IEC 62591 (WirelessHART®) technology, were installed to measure oil temperature, gasoline throughput flow, and ambient temperature. All points communicate to a Smart Wireless Gateway, making the data available in the DeltaV control system.

RESULTS

With two dedicated resources, all the devices were installed and configured in the DeltaV control system in less than half a day. The same work with wired transmitters would have taken at least 3 days, heightening the inherent risk and cost associated with wiring boxes and the possibility of an unexpected plant shutdown. In addition, the ease of installation simplified coordination with multiple departments and contractors. And, because Emerson Smart Wireless solutions for field networks do not need a site survey, the expense of engineering pre-work was avoided. As a result of the test and experience, Entre Lomas concluded that Smart Wireless generates cost reductions and achieves potential savings.

“There is no doubt that Emerson Smart Wireless products will be considered for our next project.”

Fernando Piedrabuena
Maintenance Supervisor
Petrolera Entre Lomas S.A.