

Major North American Oil & Gas Producer Uses Emerson's Wireless Technology to Reduce CAPEX, Trenching Costs and Project Completion Time

RESULTS

- Reduced equipment CAPEX by reducing number of long-haul SCADA radios
- Increased personnel efficiency with easier configuration of drag-and-drop technology
- Reduced trenching costs by eliminating the need to trench in rocky soils, resulting in faster project completion



APPLICATION

Onshore Oil & Gas Production in North and South Texas

CUSTOMER

Major North American Oil & Gas Producer

CHALLENGE

The Oil & Gas Producer is already using Emerson's Distributed RTU™ Network and wanted to expand their use by connecting up to 12 gas wells at 1.5 miles apart. They considered trenching in rocky soils but the difficulty to execute would increase their total expenditure by adding at least three days to the project schedule.

It was very common to share data from remote pads using Modbus communications but the concern is that the Modbus tables had to be rebuilt, taking an extensive amount of time. Additionally, due to their expansion, the Oil & Gas Producer would have to purchase additional SCADA radios to establish communications.

The business impact of these challenges would result in higher CAPEX associated with long-haul SCADA radios and more time needed by field personnel to configure the system expansion. The slow trenching operations add to the project duration and cost.

“The network was quick to install, easy to use, and extra points helped increase our production visibility.”

SOLUTION

The Oil and Gas Producer selected Emerson's Distributed RTU Network to address these challenges. Using both the ROC800-Series and the FloBoss™ 107, sharing data is made easier by utilizing its peer-to-peer addressable network. Configuration is simplified by delivering a true drag-and-drop experience that automatically configures and links into the network. When utilizing this wireless technology radio network, Modbus communication is no longer necessary — removing the need to add higher cost SCADA radios. Using wireless technology eliminated the need for trenching that resulted in substantial savings and shortened project completion time.



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