

OpenEnterprise™ SCADA System Maximizes Revenue, Enhances Safety and Reliability for World's Largest Exotic Gas Pipeline

RESULTS

- Maximized revenue with greater process insight to their operation
- Improved safety of personnel by having better insight to timely detection of pipeline leakage
- Enabled compliance with Control Room Management standards



APPLICATION

Control and monitoring the world's largest exotic gas pipeline infrastructure, feeding refineries in the United States Gulf Area

CUSTOMER

Major Pipeline Company

CHALLENGE

This company was losing out on potential revenue and facing safety issues. This was due to loss of timely alarm issues, putting their entire operation and people at risk. Their existing systems and software were unreliable and not properly integrated into their business systems, causing uncertainty and communication failure with their limited cellular infrastructure.

These failures caused the loss of critical measurement data, resulting in incorrect billing and the inability to accurately perform critical leak detection across the pipeline following any kind of failure. There was no capability for them to store historical data in the field and their systems were not compliant with new control room management standards, specifically alarm management.

“OpenEnterprise optimized our system with precision, efficiency and complete field visibility.”



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SOLUTION

They chose an integrated Emerson solution consisting of the ControlWave® RTUs and OpenEnterprise SCADA software. The ControlWave RTUs deliver exceptional communications and seamlessly integrate with OpenEnterprise. Utilizing ControlWave Designer, they were able to store historical data (alarms and metering, billing information) in the field, and OpenEnterprise was able to collect this data making their system significantly more reliable than the prior system. Now having the ability to “backfill” its own historical and alarm systems with the data stored in Emerson’s ControlWave removed the risk of gaps in this data, enhancing their reliability.

Now, this pipeline company has consistent metering data, it eliminates the business risks associated with invalid data, and reduced the effort required to revise missing data. Their data results for leak detection are more accurate and ensure timely detection of pipeline leakage. To ensure compliance, OpenEnterprise alarm system and statistics maintain Control Room Management standards, which they did not achieve with prior software.



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