

Natural Gas Utility Provider Increases Safety with Redundancy

RESULTS

- Increased data visibility and streamlined processes to increase safety
- Meter stations are now managed more efficiently
- Enhanced utilization of employees & decreased overhead expenses
- Accurate flow rate volume calculations



APPLICATION

- Zedi Cloud SCADA Solutions with Zedi Access and Zedi Go
- Rosemount Wireless Technology
- Lifecycle Services for installation

CUSTOMER

Natural gas utility provider

CHALLENGE

A natural gas utility provider was seeking a cost-efficient, redundant monitoring and alarming solution for a critical town border pressure monitoring station and critical intake stations.

The customer has a traditional on-premise SCADA system with a single server. They are concerned that if this server went down or the office where that system was housed had to close, they would be without control and alarming capabilities.

The customer felt a secondary cloud-based SCADA system with advanced capabilities would provide optimal back-up and be the most beneficial to their current primary on-premise SCADA system. The secondary system would ensure that data is secure when unexpected events occur as well as provide mobility to authorized users who could gain visibility to monitor stations from anywhere.

“Increasing our ability to access data from anywhere on top of building a secure redundant system has added new levels of risk reduction for our employees and the public we work so hard for everyday to keep safe.”

Natural Gas Utility Provider
Director of Operations

SOLUTION

Emerson solved their critical site redundancy needs by providing a fully separate communication channel and a separate cloud-based SCADA system. Now in the event of a natural disaster, they can monitor their critical sites from anywhere at anytime.

In all, 78 pressure monitoring stations were set-up in Emerson's Zedi Cloud SCADA Platform to monitor pressures.

Zedi Field Gateway 600 Packages were installed at nine critical intake station sites equipped with RTUs and six other sites that were equipped with Rosemount pressure transmitters for required transmission pressure monitoring.

With a redundant, standalone cloud-based SCADA system, it is now possible to monitor their gas odorization systems even at locations where they don't currently have RTUs. Something they were not able to do before.

The customer can monitor flow rates, pressures and odor injections securely in a single source, enabling authorized employees to see the information in real time.

With the Zedi Go Mobile App, employees can quickly access site information from any mobile device. The app allows alarms to be delivered directly to their phones, ensuring more accurate and rapid responses to differing levels of safety risk situations.

Emerson's cloud-based solution is enabling the customer to redundantly monitor, control, alarm, and report on their critical sites with a system that is backed by 24/7 support, enabling them to manage their system in the event the on-premise SCADA system fails or a natural disaster occurs where they cannot go to the primary SCADA system's location. It will also allow them to remotely monitor their gas odorization systems which will help enhance public safety.

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