

Natural Gas Utility Increases Public Safety by Improving Alarm Management

RESULTS

- Enhanced public safety with effective alarm management
- Increased data management processes
- Meter stations now managed more effectively and efficiently
- Improved utilization of field employees and decreased overhead expenses
- Accurate volume calculations to determine flow rate volumes



APPLICATION

- Zedi Cloud SCADA Solutions with Zedi Access and Zedi Go
- Lifecycle Services including installation

CUSTOMER

United States municipal water, wastewater and natural gas provider

CHALLENGE

A municipally-owned water, wastewater and natural gas utility provider was seeking a cost-effective solution for remote monitoring and alarming of the gate/district and industrial meter stations. This project involved 11 sites in total.

The utility had been relying on paper chart recorders for pressure monitoring which required employees to make weekly trips to replace paper charts.

The utility was seeking a cloud-based SCADA platform to store operating data to improve compliance and ensure stronger public and employee safety.

“Public safety is everything to us. Our process to ensure that level of safety needed newer technologies, better ways, and more efficient systems in place and that’s exactly what we have now - increased safety with anywhere access to data.”

Municipal Water, Wastewater and Natural Gas Provider
Vice President, Operations

SOLUTION

Emerson provided communications equipment to monitor gas flow meters and overpressure protection systems. Gas flow measurement and pressure data from the meter stations will be communicated via cellular network to Emerson's Zedi Access.

The Zedi Cloud SCADA Platform will enable the customer to monitor and remotely control meter stations from a secure cloud application in a single source. The company's employees will be able to actively see accurate information, depending on the user authorizations that have been granted.

With the Zedi Go Mobile App, employees have real-time access to site information from any mobile device. The app allows for alarms to be automated and delivered directly to the employee's mobile phones, enabling rapid response to overpressure events.

Emerson's cloud-based solution delivered a cost-effective, comprehensive data management and monitoring system backed by 24/7 support, allowing the utility to manage their system more effectively and efficiently while delivering significantly enhanced safety to the communities they serve.

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