

OpenEnterprise™ SCADA Helps Monitor and Control City Gas Stations Remotely to Reduce Operation Cost

RESULTS

- Lowered operation cost by remote monitoring and control
- Increased efficiency by eliminating the need for daily site inspections
- Reduced cable routing cost with wireless communications



APPLICATION

SCADA, security, and a CCTV system with RTUs/flow computers to monitor and control the instruments/valves of gate stations and valve stations scattered throughout one of China's largest cities

CUSTOMER

A gas supply company in one of China's largest cities

CHALLENGE

This customer did not have a reliable SCADA system and had to send their operators to inspect their locally-mounted instruments to get their process information. Their operation was inefficient and risked the safety of their operators, thus increasing their cost with frequent site visits. The information was delayed and fragile for management to make any business decisions while patrolling the inspection took a lot of time and manpower.

This customer was looking for a SCADA solution which can monitor and control all stations based on a reliable communication network, and ensure metering accuracy across the network. Since most tier-2 and tier-3 stations are scattered far away from the control center, they were interested in Emerson's wireless communication and insisted it should be deployed.

“OpenEnterprise and the ControlWave™/FloBoss™ RTUs have worked well on our city gas stations. We have not had any problems since they have been installed. Operators don't need work on the site to record the process information and reduce the site trip cost. We plan to buy more Emerson RTUs.”

Pam Yuxuan
Technical Supervisor

SOLUTION

Emerson provided the customer with their OpenEnterprise SCADA solution along with the ControlWave PAC and the FloBoss 107. These RTU/flow computers were used for station control while OpenEnterprise's data collection and storage function provided them with real-time process information and historical data. The ControlWave/FloBoss were remotely placed at the stations to communicate to OpenEnterprise by the CDMA network.

Emerson's OpenEnterprise SCADA system made it convenient to monitor, control, and collect data from the instruments and valves at their stations. The ability for the product management team to access both real-time information and historical data made for easy reporting. The customer increased their savings by eliminating daily site inspections and the wireless communication from the station to OpenEnterprise reduced the cable routing cost dramatically.

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