

Local Gas Distribution End of Line Monitoring with Cloud-Native DeltaV™ SaaS SCADA

RESULTS

- Reduced windshield time and cybersecurity risks
- Increased worker productivity
- Enabled internal resources to focus on higher priority tasks
- Easily fit within budget constraints
- Increased pressure trend analytical efficiency
- IT resources gained time to focus on core business



APPLICATION

DeltaV™ SaaS SCADA
DeltaV SaaS SCADA Mobile

CUSTOMER

Local natural gas distribution company in Alberta, Canada with regulator stations and 48,000 customers dependent on safe and reliable service.

CHALLENGE

Monitoring and data gathering from the end of line pressure stations, analyzing the data to monitor the pressure trends and routine walk-outs were time consuming, human resource intensive, and could not be efficiently monitored on off hours or weekends.

Company wanted solutions to help them monitor 24/7, get alarm notifications when pressure drops below set level, analyze the pressure data and provide them with insights when more gas was required in the pipeline as needed by end customer usage and demand frequently changed.

Mobility was needed for authorized end users to access data from anywhere, at anytime. Making unwarranted trips to and from sites was no longer an option. Budget was extremely tight and stress was high to move forward quickly with a well-positioned and long-standing, reputable partner in this project in order to gain successful implementation and depend on for longer-term goals.

“Visibility to our end of line pressure stations has increased our operating performance and driven higher end customer satisfaction while we have decreased our limited staff hours that were being wasted simply driving to check locations to monitor pressure points.”

Natural Gas Distribution Company
- Director of Operations

SOLUTION

End of line pressure stations were efficiently enabled with DeltaV SaaS SCADA, Emerson's cloud-native IIoT monitoring platform. This platform empowers the operation with proven historization, easy to understand trending, adjustable alarming, accurate reporting, and actionable analytics to operation and maintenance personnel that was quickly, and painlessly implemented.

Alarms were easily set for authorized users to be notified of thresholds at end of line pressure stations to accurately and quickly respond with the correct measures without wasting resources or time. These alarms can be easily set to individual users, or a group of users with set thresholds and notification times to better manage demand and usage needs for their end customers.

Company IT involvement was not required to get up and running which was a game-changer with so few internal resources available to implement the solution.

DeltaV SaaS SCADA Mobile was downloaded onto devices to monitor, manage and manually input data, change settings and issue commands to help keep operations and asset uptime, healthy and predictive.

Training was provided and 24/7 support is always on call to ensure full value is realized by all end users and to get questions answered accurately and quickly.

Because DeltaV SaaS SCADA is purpose built on our cloud IIoT platform and is SaaS (software as a service) the on-boarding cost is much lower and easier to budget across the life of use instead of heavy up-front costs that are difficult to gain approval for and even harder to discover funds, or prove long-term return to stakeholders.

 SECURITY	 SCALABILITY	 SERVICE
<ul style="list-style-type: none">✓ Monthly automatic security updates✓ Secure web access anywhere, anytime✓ Two-factor authentication✓ Backups & disaster recovery✓ ~3500 Microsoft™ security experts	<ul style="list-style-type: none">✓ Mobile app anywhere, anytime access✓ Customer roadmap involvement✓ Customize your user groups✓ Budget friendly & low CapEx✓ 26 effortless software updates in 2023	<ul style="list-style-type: none">✓ Live 24/7/365 support included✓ eLearning courses & workshops✓ Project Management available✓ Data Exchange service available✓ Alarm Management available

DeltaV™ SaaS SCADA is an IIoT cloud-native platform designed to enable asset-intensive industries to quickly and securely connect, acquire analytics and provide control of remotely located devices anywhere, anytime by anyone of your authorized users. We help our customers become more productive, profitable and sustainable to improve life around the globe.



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