

Honeywell Implements Low-cost Cloud-based SCADA Oil and Gas System in Less than One Month

Application Note

Honeywell helped an oil and gas company bring over 300 gas wells online within one month.

Introduction

In 2016, an oil and gas company acquired a gas field with over 300 producing wells. The company needed a vendor with deep SCADA knowledge, proven SCADA solutions and a cloud-based system allowing flexibility for changing assets and speed of implementation.

Challenge

The goal was to bring newly purchased wells online within one month, with a cloud-based system allowing change flexibility, speed of implementation, and a low-cost approach.

Solution

Experion® Elevate fit the requirements to offload higher up-front, long-term costs typical to traditional SCADA solutions. Experion® Elevate is part of Honeywell's Connected Plant initiative. Honeywell Connected Plant is turning data into actionable insight, from edge to enterprise, to help customers improve their bottom line. It provides access to data and control of assets from anywhere, improving efficiency and underlying performance through a centralized, cloud-based system offering lowest total cost of operation. Honeywell Connected Plant delivers a capital efficient solution that provides flexibility to add and remove assets quickly, and consolidates data for operations and analysis for



long term market-leading profitability using a highly available, cyber-secure SCADA system.

Experion Elevate provides real-time SCADA delivered as a secure and scalable service –for predictable costs, easy upgrades and continual support. Whether you choose a traditional on-premises solution, an off-premises Experion Elevate solution or a combination of the two, Honeywell delivers robust options to fit your business needs with operational efficiency and easy integration to Experion. Rely on Honeywell's experience and vision for any size solution.

Experion® Elevate provided cyber secure communications and instantaneous data for field decision-making. Historical data was transferred into the existing production accounting system. The client application was delivered via desktop or mobile tablet.

The system provided communications to existing EFMs, instantaneous data for field decision-making, and a custom interface to transfer archived historical data into the existing production accounting system for reporting. Digital cellular networks provided the primary backbone. Experion® Station allowed access via a full desktop or mobile tablet. Embedded cyber security with all required firewalls and VPN gateways provided secure, private and encrypted data pathways. The client application was delivered via desktop or mobile tablet.

Results

Honeywell successfully completed system configuration on schedule, and commissioned the first few wells within 2 weeks. Meter templates and the communication infrastructure allowed the customer to begin monitoring and operating the new assets much sooner than originally planned.

The customer increased production and efficiency very quickly, and now has more predictable costs. The solution has performed with approximately 99.99% uptime of the Experion Elevate servers and virtual network. Expansion opportunities are being discussed to bring additional wells, compressor stations, and processing facilities into the system.



For More Information

Learn more about how Honeywell solutions can improve safety, reliability, and productivity visit honeywellprocess.com or contact your Honeywell Account Manager, Distributor, or System Integrator.

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