REAL WORLD RELIABILITY

ESD CONTROLS
APPLICATION SPOTLIGHT

REAL WORLD CHALLENGES

An unmanned natural gas compressor station in a remote location in West Virginia required solenoid valves with a manual reset option on their Emergency Shutdown (ESD) system. When normal wear and tear caused solenoid failures, it would take hours for a technician to reach the site, troubleshoot, and perform the necessary routine maintenance. These unplanned shutdowns caused significant downtime and lost revenue for the facility.

THE VERSA SOLUTION

VERSA created a solution utilizing the V-Series Directional Control Valve with 2oo2 Redundant Solenoids (-RS) and Diagnostic Feedback (-20) options. This solution provides real-time remote indication of a solenoid failure while maintaining safe operation of the ESD system. This allows technicians to perform required maintenance in a controlled manner without interrupting facility operation – resulting in the optimization of revenue while maintaining reliability, performance, and safety.

2oo2 Redundant Solenoid (-RS):
VERSA's 2oo2 Redundant Solenoid option is a specially designed redundant solution for ESD valves to achieve high system availability and prevent nuisance trips while meeting all the safety protocols.

Diagnostic Feedback (-20):
VERSA's Diagnostic Feedback option adds an intelligence capability to our field-proven valves. Adding key modular components with the ability to integrate sensing devices enables the VERSA valve to provide strategic multipoint position feedback.

The VERSA model number used:
VAA-3321-B415-NGST-XV1-20-D024

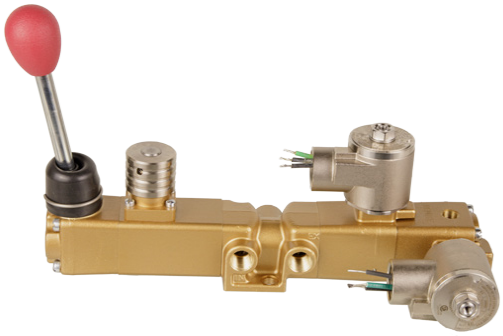
PROJECT DETAILS:

Industry: Energy

Application:
Natural Gas Compressor Station

Location: West Virginia

VERSA Product(s):
V Series Directional Control Valve
- 2oo2 Redundant Solenoid (-RS)
- Diagnostic Feedback (-20)



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