

CUSTOMER STORY

Polymer Manufacturer Utilizes Smart Positioners and Advanced Diagnostics to Step Up Control Valve Reliability Program

“We value the streamlining of our outages now. It equips us with an understanding of what the scope looks like and where the real problems lie with our control valves/instrumentation.”

— Operations Manager

Tightening the Control Loop Improved Efficiency and Jump Started an Ongoing Reliability Program/Mindset

Our customer had a growing list of operator-generated control valve repairs, causing them a painful amount of unplanned maintenance spend. As a longtime customer, they looked to Experitec to recommend a solution to improve their situation. Our team discovered that loop performance/variability was the main issue. Furthermore, they could not predict valve problems due to their outdated pneumatic positioners. To address these challenges, Experitec initiated a multi-phased reliability journey to help them modernize their positioners and more—ultimately improving performance, reducing maintenance efforts, increasing product that was on-spec, and improving profitability.

This Customer:

- ✓ **Reduced Operational Punch List by 50%**
- ✓ **Reduced Maintenance Costs by 40%**
- ✓ **Improved On-Spec Performance**

SOLUTION COMPONENTS

DVC 6200 Smart Positioners with Advanced Diagnostics

- Moved from 6-8% valve accuracy to 1-2%, thereby increasing loop performance

AMS Device Manager to view HART-enabled devices in real time

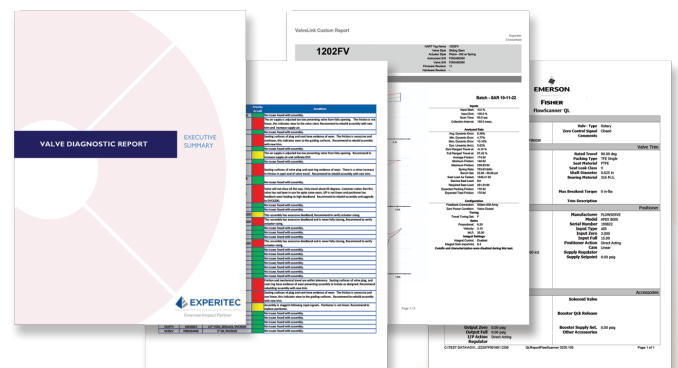
- Provided the ability to see Device Alerts before they became a process upset with Operations

Combined Advanced Diagnostics with AMS Device Manager to run valve scans during shorter outages

- Utilized ‘Batch Runner’ to scan multiple valves at once saving time and effort

Extensive Valve Diagnostics Report

- Created the template/drove the Scope of Work for their ‘every other year’ extensive outages

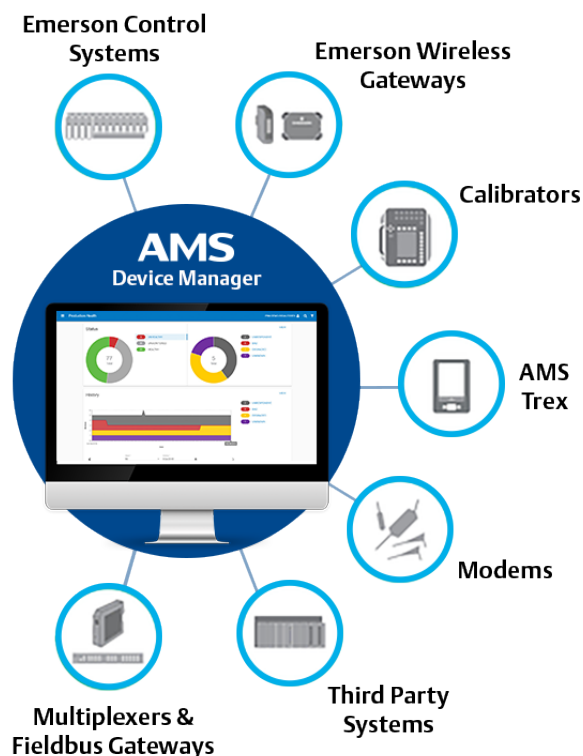


ABOUT AMS DEVICE MANAGER

Simplify Intelligent Field Device Management Based on Real-Time Diagnostic Data

AMS Device Manager enables digital transformation by providing an application that embraces open standards and protocols that allow connectivity to a wide range of devices. It also enables predictive maintenance to reduce unplanned shutdowns, increase productivity, improve safety, and drive higher ROI.

This unique and flexible application provides real-time online access to intelligent instrument and valve diagnostics and alerts, delivering a view of device health and troubleshooting information when an issue is found. Based on real-time condition data, maintenance and Operations personnel can respond quickly and make informed decisions.



THE EXPERITEC DIFFERENCE



Product/Technology Portfolio

We have breadth and depth of products and the knowledge to apply them to the customer situation.



Industry Experience With Valve Health/Performance

Our technical staff understands the numbers and prioritizes, interprets the results and makes recommendations in collaboration with our customers.



DCS to Final Control: We Have It All

Not only do we have all the products, but we also have the expertise to put it all together, locally, as well as through the Emerson Impact Partner network.

Experitec has served the industry for over 100 years, partnering with our customers to gain competitive advantages and unlock the hidden potential in their facilities. By optimizing operator and control performance, improving asset reliability, creating safer places to work, and helping clients reach their environmental and sustainability goals, Experitec is dedicated to achieving positive outcomes for the businesses we serve. Our unique long-term partnerships with Emerson and others enable us to connect customers with innovative technologies, subject matter expertise, and 24/7 lifecycle support and engineering services.