





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

#### SITUATION

This 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 Furthermore, they could not predict valve problems due to their outdated pneumatic positioners.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.

#### SOLUTION COMPONENTS

- DVC 6200 Smart Positioners with Advanced Diagnostics
- AMS Device Manager to view HART-enabled devices in real time
- Combined Advanced Diagnostics with AMS Device
  Manager to run valve scans during shorter outages
- Extensive Valve Diagnostics Report

### RESULT

- Moved from 6-8% valve accuracy to 1-2%, thereby increasing loop performance
- Provided the ability to see Device Alerts before they became a process upset with Operations
- Utilized 'Batch Runner' to scan multiple valves at once, saving time and effort
- Created the template/drove the Scope of Work for their 'every other year' extensive outages



# 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.

### **BOTTOM LINE**

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

## **CUSTOMER QUOTE**

"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