

# Comprehensive Valve & Instrumentation Services

RELIABILITY PROGRAMS FOR CRITICAL VALVES

Control Associates offers the most comprehensive, integrated valve and instrumentation service offerings throughout the Metro New York area.



**Control Associates offers a wide range of shop and field services from multiple facilities servicing the New York metro area. We have access to \$5M of local inventory plus an additional \$100M throughout our network.**

### General Information

- 24/7 Service
- Pick-up and Delivery Available
- Factory-trained Technicians
- Valves/Parts in Stock for Same Day Shipment
- 60,000+ sq. ft. Shop Space
- 5 Ton Lifting Capability
- 30' Field Service Machine Trailer

### Authorization/Certifications

- ASME "V" Stamp
- ASME "UV" Stamp
- National Board "NB" Stamp
- National Board "VR" Repair Stamp
- Certified Welder

### Specialties

- Shutdowns/Turnarounds
- Plant Surveys
- Tank Farm Surveys
- Steam Surveys
- Chlorine/Oxygen Cleaning
- Electronic Relief Valve Testing
- In-line Valve Repairs
- Valve Diagnostics
  - Control Valve Diagnostic Testing: FlowScanner™ QUIKLOOK, AMS™/ValveLink™
  - Acoustic Seat Leak Detection

### Testing Capabilities

- Pressure Relief Valves (up to 12 inches)
- 1450 psig Steam Generator
- High Pressure Air Testing (4500 psig)
- Liquid Relief Valve Testing (up to 4000 psig)
- Barbee Test Stand
  - Hydro Testing (up to 5500 psig)
  - Seat Leak Testing (up to 24 inch flange)
- Rail Tank Car Relief Valve Stand
- Pilot Valve Test Stand
- Pressure/Vacuum Test Stand
- On-site Relief Valve Testing
- PMI Testing

### Machinery/Equipment

- 54" Bullard VTL
- Engine Lathes (multiple up to 42 inches)
- Milling Machines (both manual & CNC)
- Drill Presses
- Shot & Glass Bead Cleaning
- Lapmaster & Accessories
- Paint Booth
- Gate Valve Re-seating Field Machines (2.5-36 inches)
- Conical Seat Valve Re-seating Field Machines (.25-12 inches)
- In-line Relief Valve Tester
- In-line Machine (up to 18 inches depth)
- Heat Treat Ovens





## Control Valve Diagnostics Are Essential to a Strong Reliability Program

Unplanned downtime can cost millions, so why not invest a fraction of that to proactively anticipate control valve issues that can have a massive impact on your plant? At Control Associates, we use the best diagnostic tools and resources available to give you better insight into the health of your critical valves. Not only will you be able to uncover operational degradation and performance issues, but also rule out properly operating equipment, so as to not waste scarce maintenance resources.

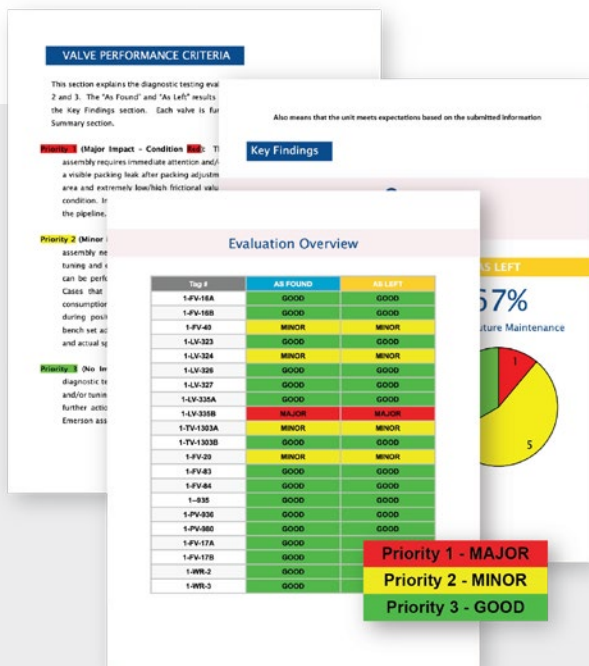
### FIELDVUE™: The Ideal Option

Accurately diagnose the health of your critical valve assets with Fisher™ FIELDVUE™ positioners as a mainstay of your reliability program. Your valve diagnostics can be run with the valve out of service, or captured, logged, and analyzed while the valve is in service. FIELDVUE can collect data automatically or when triggered by a certain event.

Emerson has designed thousands of mounting brackets to fit any manufacturer's valve. Furthermore, our in-house valve and automation experts are available to help you evaluate your data.

### FlowScanner™: No Positioners Needed

If you do not have Emerson positioners on your valve, our highly portable Fisher™ FlowScanner™ is a great way to evaluate the performance of any air-operated valve—accurately and efficiently. There's no need to remove or disassemble your valves for testing. We simply hook up the FlowScanner to your critical valves—or those that you suspect have problems—to evaluate their operating condition and identify any corrective actions required.



### Comprehensive Reporting

We provide a 'Red/Yellow/Green' evaluation report and all of the associated backup data to schedule your work orders or maintenance events. Even better, you can focus on only what's necessary and not waste valuable maintenance resources when there are no problems to address.

## Managing Risk Cost-Effectively With a Proactive Asset Management Program

If you are like many of our customers, finding available personnel with the knowledge and resources to lead the Preventative Maintenance charge is becoming more challenging each day. Yet, you are still accountable for unplanned outages, lost capacity, and repair costs—let alone supply chain issues.

Control Associates, backed by digital tools and the strength of the Emerson supply chain, can help. We regularly provide many of these services to our customers:



### Asset Walkdowns

We develop a deeper understanding of the valve and instrumentation assets in your plant.



### Diagnostics Program

We proactively monitor the health of your valve assets, prepare for upcoming outages, and optimize your maintenance dollars.



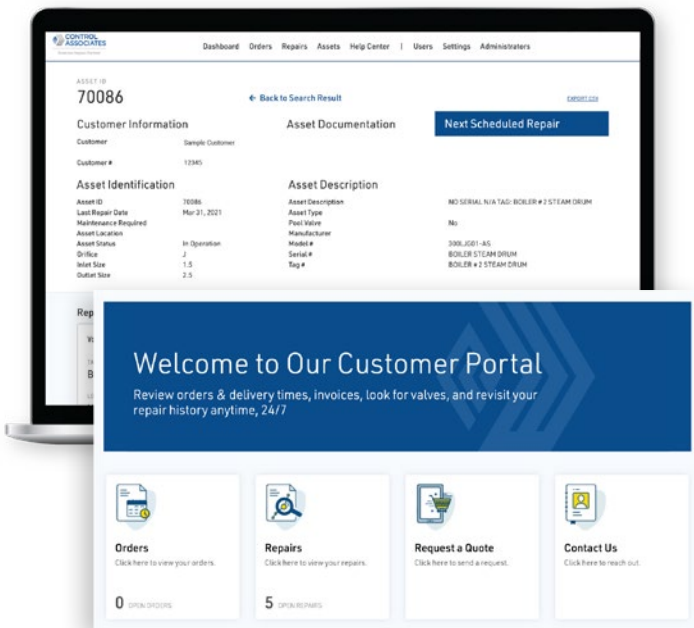
### Spare Parts Analysis

You or Control Associates can stock only the right materials—saving costs while minimizing downtime.



### Project Management Services

Enable a hands-free, piece-of-mind approach for outages with our Project Management expertise.



## Whenever Issues Arise, the More We Know, the Quicker We Can Act.

When you adopt a proven asset management process, you are taking the most responsible approach to reducing risk and optimizing the performance of your plant. As your Premier Service Provider for all brands of control, pressure, and isolation valves, as well as instrumentation products, Control Associates has the technical talent, resources, and access to an entire North American network to meet your parts, servicing, upgrade, and automation needs for all brands of valves—not just Emerson brands.



## Looking for Maximum Insight Into Your Most Critical Valves?

Then our valve condition monitoring program may be the best approach for you. Using our proprietary analysis tools for time series analysis, we can see the rapid increase of travel deviation, which provides even more time to analyze conditions that can cause this problem.



## Best Practices for Reliable Maintenance Include Project Management

If you are looking to simplify your outage process with a single purchase order and one delegate as your partner—look no further than Control Associates. We know about all valves and instrumentation products, have access to the entire Emerson North American network of inventory and expertise—and with the right information in our hands, can anticipate your needs. In short, we are the valve experts who can get it done or figure it out faster and better than anyone else in the New York Metro area. Why risk anything less!







## Industries We Serve

**Chemical****HVAC****Life Sciences****Natural Gas****Power Generation****Refining**

## About Control Associates

Control Associates is the exclusive Emerson Impact Partner for Emerson Automation Solutions in the New York, New Jersey, and Connecticut region. We provide a full portfolio of process control systems, valves, actuation, instrumentation, regulators, relief valves, asset reliability, systems integration, manufacturing execution systems, and data management solutions for industrial and commercial customers. Control Associates is an Emerson Premier Service Provider serving the repair, automation, outage management, and asset inventory needs of industrial customers throughout the region.

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