

# Serving the Nuclear Industry

The way you manage your key production assets—including the instruments and control valves in your processes—directly affects your facility’s performance and profitability. Simply put, our assets help determine your success.

Emerson’s Instrument & Valve Services unique approach can help ensure that you reach your business goals. Since the early 1970s, we’ve been trusted service experts providing industry-leading control valve maintenance, repair, and process optimization to the nuclear industry using cutting-edge technologies and innovative processes.

Through our local Emerson sales network, we put Fisher® certified technicians when and where you need them to service your instruments and valves.

Fisher certified technicians are among the most experienced and well-trained in the industry. Every technician receives year-round Fisher original equipment manufacturer (OEM) training, resulting in a thorough understanding of the complex interrelationships between the valve, actuator, and positioner. With their considerable expertise and access to proprietary data, we can help you build reliability into your operations to get the highest performance out of every control valve assembly.

## Lifecycle Management

- Reliability-centered maintenance inventory optimization
- Engineering “No Surprises” review
- Obsolescence planning
- Extended power uprate support

## Equipment Startup

- FIELDVUE™ digital valve controller installation
- Project management services
- Valve installation
- Loop validation
- Startup and commissioning
- Onsite consigned startup inventory
- Certified calibrations
- Configuration
- Valve signature tests
- Mobile onsite service centers

## Application of Technology

- Implementation of intelligent field devices
- 475 Field Communicator upgrades

## Education and Certification

- Onsite and classroom courses
- Computer-based and self-paced learning
- Certification to recognized industry standards

## Asset Reliability Services

- Outage services
  - Pre-outage diagnostic services
  - Predictive diagnostics using FIELDVUE digital valve controllers and FlowScanner™ valve diagnostic system
  - Outage management
  - Valve signature tests and data interpretation
  - Mobile onsite service centers
  - Inline machining
  - Onsite turnaround inventory
  - Positioner upgrades
- Periodic services
  - Certified calibrations
  - Critical support routine services
    - Valve signature testing
    - Checks/preventative maintenance
    - Calibrations
- Emergency response services
- Inventory programs
  - Analysis
  - Standardization
  - Optimization
- Local service centers
  - Diagnostics
  - Repair
  - Valve signature testing
  - Valve remanufacture and recertification (ENCORE™ remanufactured process control equipment)
  - Replacement valve assemblies
  - New parts

## “Innage” Services

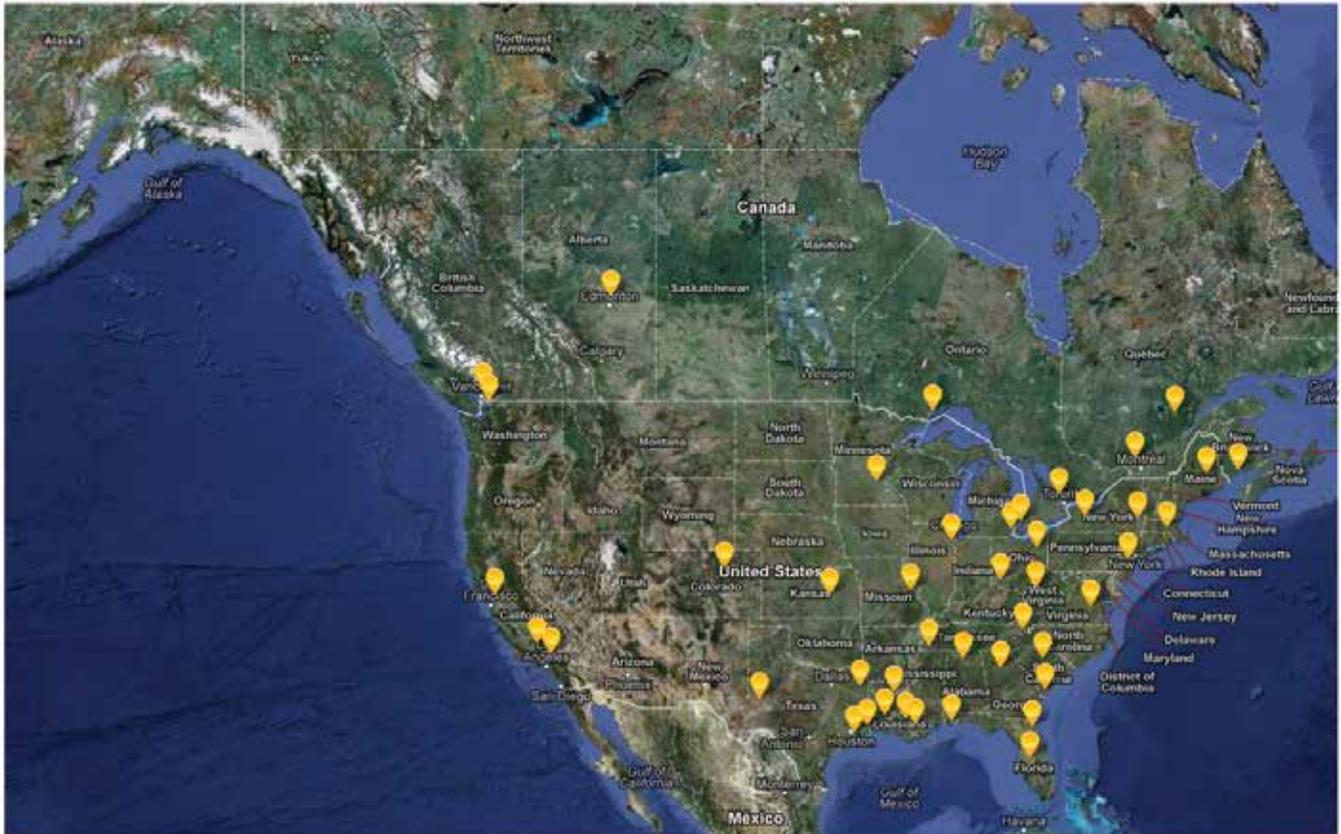
- On-line diagnostics
- Valve walk-downs
- Inventory assessment
- Database development
- Maintenance procedure review
- Bill of Materials (BOM) drawing updates
- Application reviews



## Local, flexible service support, when and where you need it.

Instrument & Valve Services delivers trusted expertise for reliability-centered control valve maintenance that delivers quantifiable results through an extensive network of service centers and local business partners backed by Emerson. We put experienced, certified professionals

when and where you need them, so you can realize the true potential of your valves. Wherever you are in your plant's lifecycle—startup, operate and maintain, outage, technology upgrade, optimization or life extension—we have the ability to address your immediate and long-term needs.



Scan with your mobile device or visit [www.EmersonProcess.com/NuclearValveServices](http://www.EmersonProcess.com/NuclearValveServices) to find your local Emerson sales contact and learn more.

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**Emerson Process Management  
Instrument & Valve Services**  
Marshalltown, Iowa 50158 USA  
Sorocaba, 18087 Brazil  
Chatham, Kent ME4 4QZ UK  
Dubai, United Arab Emirates  
Singapore 128461 Singapore  
[www.EmersonProcess.com/IVS](http://www.EmersonProcess.com/IVS)

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