

# Make your outage “headache free” with reliability-centered outage services.

- Minimize your outage length
- Optimize scope of work to minimize dose
- Ensure the highest safety standards
- Reduce costly rework and dwell time
- Cut ongoing maintenance expenses



*Our Nuclear Outage services will get you back online with “No Surprises.”*

## Nuclear Outage Services

When you're in a refuel outage, the last thing you need is an unexpected event, delay or cost overrun. Emerson's Instrument & Valve Services can help you avoid these problems with our comprehensive program of services tailored specifically for the nuclear industry.

To help minimize your risk and overall maintenance costs, we can proactively perform engineering-based innage work between refueling outages. So when it comes to using our proven Six Step Outage Management process for your outage, you can turn necessary downtime into an opportunity to optimize your plant processes over the short and long terms to maximize reliability and performance.

Our process control expertise ensures that we do much more than just fix your equipment. Through our Fisher® Certified Technician's training and access to OEM engineering data, part numbers, and manufacturing drawings, we can help you with product obsolescence by reviewing the application and helping you to make sure you have the right equipment to maintain peak performance.

The result? Increased efficiency and less downtime, well into the future.

## Take advantage of technicians and technology only Instrument & Valve Services can provide.

Our Fisher® Certified Technicians have received extensive air operated valve (AOV) product training and fully understand the complexities and interrelated functionality of valve, actuator, and positioner. This deep understanding gives our technicians the knowledge and expertise to maximize their efficiency on every outage to help minimize its duration.

We come equipped with the skills and technology to perform the work to the highest level of quality. Using advanced tools such as our FlowScanner™ 6000 valve diagnostic system, AMS Suite, Intelligent Device Manager, and AMS ValveLink™ software; they can identify potential problems in all types of process equipment before they affect the safety, reliability, and profitability of your operations.

## “Innage” services optimize and streamline future outages.

Because our Fisher Certified Technicians are full-time employees, they can be assigned to your plant year-after-year, increasing their understanding of your assets. By doing more innage work between outages, our technicians can help raise your facilities' overall efficiency through ongoing optimization. It helps condense and streamline subsequent outages, and makes each one more effective - maximizing reliability and performance.



Instrument & Valve Services technicians receive training that exceeds OSHA standards for personal and environmental safety. As an Emerson business unit, we work diligently to achieve a zero Emergency Modification Rate (EMR). You can be sure that our Fisher Certified Technicians are properly prepared for your refueling outage and practice safety first.

### **Parts delivered when and where you need them.**

We can get your Fisher and Rosemount® manufactured parts faster than any other supplier. That's because our service centers are stocked with factory OEM parts – including those used in safety-related control valves. We can deliver the parts you need quickly and efficiently using our industry-leading Quick Ship service.

Other suppliers simply don't keep an exhaustive inventory of OEM parts that meet guidelines and all regulatory compliances – parts you might need due to discovery or scope increase during your outage. We believe a project as critical as a nuclear outage should never be delayed because a part was unavailable.

With the support of Emerson, our certified technicians have speed dial access for virtually instantaneous responses to any technical question direct from the product engineer or subject matter expert.

Best of all, we can repair nuclear ASME III parts in our Columbia, South Carolina facility with an NQA-1 compliant Quality Assurance program that has been NUPIC approved for almost 20 years.

### **We're committed to the nuclear industry.**

Emerson's nuclear-qualified products, such as Fisher valves, Bettis™ actuators, Rosemount transmitters and TopWorx switches, have a long history of reliability, proven performance, and industry-leading quality. Over 70% of the world's nuclear facilities use Emerson products to help you to ensure you're getting optimum process control while controlling ongoing maintenance costs.

You can depend on Emerson to deliver the expertise you need during your outage and a partnership you can count on every day of the year.



*Scan with your mobile device or visit [www.EmersonProcess.com/NuclearOutagePlanning](http://www.EmersonProcess.com/NuclearOutagePlanning) to learn more about our outage services.*



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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)