

Pre-Outage Planning

Startup your plant on schedule using proactive and in-depth planning.

- Control costs through upfront planning and quantifiable health assessments of critical assets to define outage scope and complexity.
- Reduce your risk of unplanned upsets with a thorough application and equipment history review in conjunction with preventative and predictive diagnostics.
- Increase safety and outage efficiency by early identification and prioritization of maintenance, repairs, replacements, and technology upgrades to achieve optimal reliability.
- Maintain certifications and regulatory compliance by using original equipment manufacturer (OEM) parts when servicing the valve body, actuator, or positioner.



What are the secrets to a smooth, efficient, budget-conscious outage?

Emerson's outage preplanning event for developing an in-depth schedule to control cost, limit risk, and increase plant safety and reliability. Using the FlowScanner™ valve diagnostic system, valve seat leak detection program, and ValveLink™ software, a thorough diagnostic review of your plant's critical assets is done to help identify and prioritize which ones need to be included in your outage—reducing unnecessary maintenance costs.

In addition, this program provides early identification of OEM parts ordering requirements to help maintain safety certifications, regulatory compliance, schedule, budget, and quality—all while mitigating risk. Best of all, it provides an opportunity to match Emerson's technology upgrades to your plant's future needs, guiding it to a state of continuous reliability improvement.

It also helps in deployment of the right number of certified technicians based on your outage, scope, complexity, and schedule. So when it's time to take your process offline, let us help you ensure that it's a safe and efficient outage.

Plan for Success

Preparation begins months in advance of your next planned outage. We start by identifying your goals to help provide the right services, deliverables, and expectations that align to the scope, timing, duration, and budget of your outage. The program establishes what your plant's assets are so we can take the deeper dive to explore your valves' configuration and maintenance history via serial data cards, along with current operating conditions to truly understand their past and current state.

Then we'll conduct diagnostic testing to help map the future state of your plant and provide data-driven recommendations that improve availability. When we're done, we'll provide you with a comprehensive "as found/as left" report that includes test reports and key findings that guide our data-driven recommendations on the best course of action for every valve or instrument—repair it, replace it, or upgrade it—to increase process control, plant efficiency, and overall reliability.



Is an outage on your schedule?





An outage is always a balancing act between taking the time needed for proper service and getting the process or plant back online quickly. With proactive planning, it's possible to set achievable goals, priorities, and service schedules to address all the adjustments, maintenance, repairs, upgrades, and optimizations your plant might need. Without an agreed upon plan, critical path items might otherwise get overlooked. Minimize the impact these oversights could have on your profitability by catching them earlier.

In addition to enjoying a more efficient outage, you will protect your valuable instrument and valve assets by working with a service provider that can restore them to original documented OEM standards. We will help you prepare for a successful outage and take the next step on the path towards reliability-centered asset maintenance to help you deliver quantifiable results.



For more details or to contact your local service center, visit [Emerson.com/LifecycleServices](https://www.emerson.com/LifecycleServices)

Emerson Electric Co.
Global Headquarters
8000 West Florissant Avenue
St. Louis, Missouri, 63136
United States
T +1 314 679 8984
ContactUs@Emerson.com
Emerson.com/FinalControl

 [Emerson.com](https://www.emerson.com)
 [Facebook.com/EmersonAutomationSolutions](https://www.facebook.com/EmersonAutomationSolutions)
 [LinkedIn.com/company/Emerson-Automation-Solutions](https://www.linkedin.com/company/Emerson-Automation-Solutions)
 [Twitter.com/EMR-Automation](https://twitter.com/EMR-Automation)

© 2018 Emerson Electric Co. All rights reserved. FlowScanner and ValveLink are marks owned by one of the companies in the Emerson Automation Solutions business unit of Emerson Electric Co. The Emerson logo is a trademark and service mark of Emerson Electric Co. All other marks are property of their respective owners. The contents of this publication are presented for information purposes only, and while effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. All sales are governed by our terms and conditions, which are available on request. We reserve the right to modify or improve the designs or specifications of our products at any time without notice. Responsibility for proper selection, use and maintenance of any product or service remains solely with the purchaser and end user. D351833X012

