

# Shutdowns, Turnarounds & Outages

## What's your challenge?

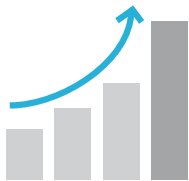


Approximately 74% of all shutdown, turnaround, and outage (STO) projects fail to satisfy performance goals. Every day an STO runs late, it can cost you \$1 million in lost revenue and increased costs. <sup>(1)</sup>

STOs are necessary events, but can be expensive in terms of lost production as well as direct costs for the labor, tools, equipment, and materials needed to execute the project. These events require months of planning and may involve nearly every aspect of the plant's operations, while accounting for the largest expense in the yearly maintenance budget. In addition, STOs have unique project management characteristics that can affect your bottom line if mismanaged.



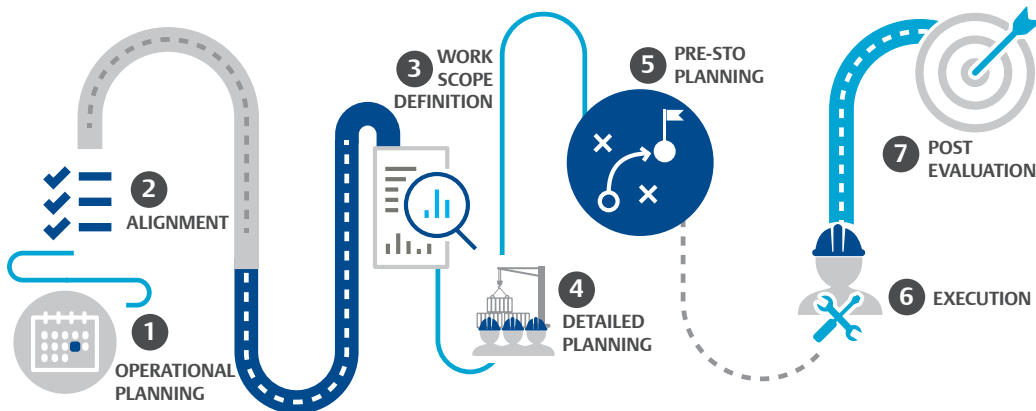
## What's your opportunity?



Properly planned STOs are ideal opportunities to align maintenance with your business goals and to implement long-term reliability strategies. Using our proven process for scheduling and prioritizing services, we can help you evaluate key performance indicators and asset health to develop a maintenance plan that can maximize your return on investment and reduce risk.

As your Main Valve Partner™, we can assist from start to finish and provide support for all of your valves, actuators and regulators. With asset monitoring and advanced diagnostics analysis, we can help you create a quantifiable and detailed work scope. Our OEM-certified personnel will utilize our digital tools so the job is done safely, efficiently, and effectively. Our breadth and depth of expertise enables you to achieve your schedule, budget, and safety goals.

## STO Execution Process



(1) American Fuel and Petrochemical Manufacturers

**LIFECYCLE SERVICES**  
Valves, Actuators & Regulators



# Streamline STO execution.

The flexibility of our OEM support and digital tools allow for improvement of service efficiency and responsiveness. Reduce downtime with proper fulfillment of OEM parts and spares, gain direct access to Emerson products, ease the pain of discovery or emergent work, and promote safety through certified procedures—all benefits of partnering with Emerson for your next shutdown, turnaround, or outage.

## Local, Onsite Support



### Repair Depots

- 100+ regional sites worldwide
- Serving local critical and large equipment repair, along with all necessary testing and machining



### Mobile Service Centers

- 85+ mobile units worldwide
- Serving remote locations or maintenance projects onsite with product testing, equipment machining, tooling, and parts and assembly inventory

## Operational Efficiency

Our digital tools bring operational efficiencies to maintenance activities and planning so we can get your plant back up and running. Our tools help with equipment condition collection, data analysis, scope planning, safety compliance, repair assistance, and technician scheduling.



Safety App



Walkdown App



Asset Management Tag



Repair Report App



Installed Base Tool



Diagnostic Report Generator



Remote Assistance App



Budgetary Quote Tool



Field Timesheet App

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

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