

## With Outage Services from Emerson's Instrument & Valve Services, you get:

- **A more convenient way to execute an outage**
  - One purchase order, one vendor
  - Comprehensive project plan
  - Personnel available all day, every day
- **A better way to stay organized**
  - Outage summary report
  - Detailed service reports
- **Quality outage results through better asset management**
  - Expert diagnostics, repair, and configuration of all outage valves and instruments; procedures developed to industry standards
  - Qualified material suppliers
  - Fisher and Rosemount engineering support

[www.Experitec.com](http://www.Experitec.com)

### Emerson's Instrument & Valve Services

As the largest service supplier in North America, Emerson's Instrument & Valve Services can help you avoid unplanned costs and unscheduled maintenance through our comprehensive Outage Service Program. Our knowledge of valve and instrument design and process control enables us to resolve problems quickly, delivering an on time, under budget outage. Additionally, your local Emerson Process Management sales representative provides a truly local relationship and application expertise to assist you.

For more information, please call your local Emerson Process Management sales representative at:



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## Your Guide to Outages with Emerson's Instrument & Valve Services

- Save time
- Stay organized
- Improve asset performance



# Emerson 's Instrument & Valve Services Outage Program

① Project kickoff

② Refine the details

③ Internal planning

④ Outage execution

⑤ Post-outage review

## Project kick-off

We will hold a kickoff meeting to identify the instruments and valves affected by the outage and determine what service they need:

- Early walk down
- Pre-outage diagnostics
- Review your maintenance records
- Review and align on project budget

## Refine the details

As a team we will define your outage's critical success factors, which may include:

- Safety and quality requirements
- Documentation and reporting requirements
- Change order process
- Invoicing requirements
- Repair maintenance specifications
- Joint development of preventative maintenance work practice changes including, as appropriate specification of self-diagnostic valve and instrument products
- Parts stock /consignment /instant repair programs

This step leads to the generation of the General Customer Specification (GCS) document. The GCS document will then be used throughout your outage to deliver EXACTLY what you specified!

## Internal planning

After reviewing your specification we plan your detailed work schedule, including:

- Critical path planning for instruments and valves including repairs and calibrations
- Manpower requirements
- Parts requirements
- On-site diagnostics
- Project status reports

## Outage execution

Now we'll make your outage run smoothly and on time. We will execute the outage as defined by the Outage Customer Specification document. We will provide you with timely:

- Status reports
- Depot and field repair status reports
- Systematic tracking and reporting of project scope

## Post-outage review

We will conduct a Post Outage Project review - grading our results based on the Outage Customer Specification Document. This includes:

- Overall post outage report
- Individual asset repair reports
- Updated maintenance history records
- Technical diagnostic reports
- Maintenance database updates
- Preventative/predicative maintenance recommendations
- Itemized budget reconciliation

