

Service Teamwork and the ENCORE™ Instant Repair Program Help Chemical Plant Achieve 35% ROI

RESULTS

- Saved \$9,750 USD by eliminating the need for pipe fitting, change orders, and labor from technicians and management
- Reduced crane expenses by \$3,750 by streamlining removals and installations
- Achieved a return on investment (ROI) of 35% by completing a large-scale turnover on a stringent deadline



APPLICATION

Replacement of control valve assemblies for a chemical facility

CUSTOMER

Service company in Georgia, USA

Provides technical expertise and maintenance services for various chemical production facilities in the area.

CHALLENGE

The service company was facing a scheduled, five-year turnaround of an ammonia plant involving a large amount of maintenance and project work. Air-operated control valves alone consisted of approximately 90 items for repair. Given the aggressive maintenance schedule, every attempt had to be made to efficiently complete the project.

SOLUTION

The service company consulted Emerson's local business partner, Control Southern, and worked with Emerson service technicians for a proposal of how best to handle this work within the allotted outage time. Control Southern pulled in their Valve Services team leader to create a plan and proposal.

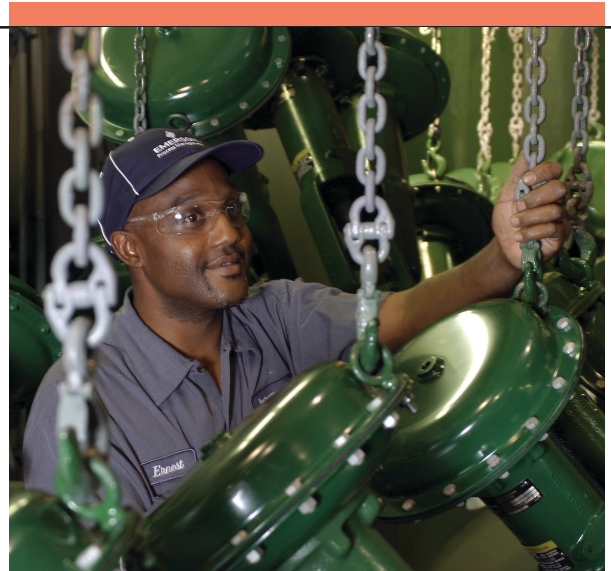
To enhance efficiency, the team split valves needing repair into categories to better prioritize the maintenance requirements. Only certain valves can economically be classified as "instant repairs." In this case, 25 valves fell into this category and were deemed appropriate for the ENCORE instant repair program.

A quality control checklist is used at every step of the remanufacturing process—welding, machining, repair, and testing. Each valve is serialized with records maintained in an Emerson OEM database for future reference.

The ENCORE™ program is a cost-effective, reliable option for replacing worn out valves quickly. Emerson service teams take returned valve cores and remanufacture them to meet original Fisher™ OEM specifications, including the highest standards for safety, compliance, and performance. The remanufactured valves are delivered prior to the outage and ready to install without the wait.

By using the ENCORE program to replace these valves, the Georgia-based service company realized the following benefits:

- Replaced the complete valve assemblies ahead of the turnaround date; no additional time was necessary for repair of these valves during the outage
- Eliminated the risk associated with removal of the valve, transportation, and inadvertent damage
- Avoided change orders, saving extra time and expense
- Reduced the cost for pipe-fitting work since technicians were able to remove the old valve and install the new valve simultaneously
- Improved the efficiency of crane work due to handling removal and installation all at once, instead of the typical requirement of two separate occasions



With full assemblies ready to replace the old valves in an instant, the turnaround was streamlined and the plant was able to get up and running on schedule.

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