

Power Plant Reduces Cost of Control Valve Repairs by 30% with Emerson's Trim Evaluation Program

RESULTS

- Reduced control valve repair expenses by 30% through inventory reduction
- Increased plant reliability and efficiency with predictive maintenance practices
- Optimized parts' economic life-span through trim refurbishment instead of cyclic replacement
- Enabled plant personnel to focus on improving other downstream process issues

APPLICATION

Evaluation and refurbishment of control valve parts

CUSTOMER

Power plant in Texas, USA

As a gas-fired combined cycle generating facility with six stations, the plant maintains a seasonal weighted capacity of approximately 1,000 megawatts (MW).

CHALLENGE

The customer needed to implement a scheduled maintenance cycle that would enable them to simply pull and replace control valve trim without delay. Long lead times on critical parts and increasing costs to expedite shipments were significantly dragging down the plant's productivity and ROI.

SOLUTION

Emerson and local business partner, Vinson Process Controls, began implementing the Trim Evaluation Program, designed to provide inventory spares for a plant's future maintenance events.

Emerson's Fisher Lifecycle Services first conducted an evaluation of the plant's existing Fisher® parts to determine if upgrades were required or recommended. A combination of new and Original Equipment Manufacturer (OEM) parts were then used to replace existing problematic parts, ensuring minimal replacement costs and maximum parts reliability.




Tighter budgets mean identifying new ways to save money without impacting the efficiency and reliability of control valve parts.



All OEM parts were packaged and labeled to the customer's specification and historical data sets were created for each tag number, providing the power plant with the necessary documentation for enhanced maintenance planning in the future.

Emerson was able to help reduce the power facility's control valve repair costs by 30% through the optimization of the plant's inventory management. The power plant was then able to reallocate those savings towards additional discovery work and preventative maintenance efforts in other areas of the facility.

RESOURCES

 **Spare Parts Management Flyer**
<http://www.documentation.emersonprocess.com/groups/public/documents/brochures/d352061x012.pdf>



A combination of new and refurbished parts help drive costs down.

 <http://www.Facebook.com/FisherValves>

 <http://www.YouTube.com/user/FisherControlValve>

 <http://www.Twitter.com/FisherValves>

 <http://www.Linkedin.com/groups/Fisher-3941826>

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