

# Service Personnel Deliver an On-Time, On-Budget Upgrade that Saves an Offshore Platform Millions

## RESULTS

- Completed a turnaround ahead of schedule, avoiding six days of downtime
- Upgraded to stainless steel FIELDVUE™ DVC6200 instruments, improving valve monitoring and reliability
- Improved safety and maintenance tracking, with 235 tags entered into database



## APPLICATION

Shutdown and blowdown valves and instruments in process control and safety instrumented systems

## CUSTOMER

An offshore platform in the South China Sea

## CHALLENGE

In 2001, Emerson supplied an automation solution for a gas-to-power complex in the South China Sea. The site developer credited its suppliers, including Emerson, for the successful startup of a large offshore platform and onshore gas processing plant. The challenge for this producer was to keep the facility operating safely, efficiently, and at a profit for the long term. The solution was to find a supplier to support ongoing maintenance and periodic upgrades.

Over the next twelve years, Emerson's local team provided that support. Their work at the site included conducting site surveys and implementing a successful field trial of a Fisher™ FIELDVUE DVC6200-PD digital valve controller with a linkage-less feedback design and Performance Diagnostic capabilities.

By 2014, managers of the offshore platform asked Emerson personnel for help planning and implementing a turnaround to improve safety and reliability. The project included upgrading to FIELDVUE DVC6200 instruments with PD and safety instrumented system (SIS) capabilities. The customer also wanted to complete the turnaround quickly, minimize interruptions in flow to the onshore gas processing plant, and avoid any safety incidents.

***“Leveraging Fisher™ products, project tools, and expertise helped reduce the cost, schedule, and risk on this turnaround.”***

Safety System Manager  
Offshore Platform



*For an offshore platform, Emerson-certified service technicians modified the instrument tubing and added Fisher FIELDVUE DVC6200 digital valve controllers to a competitor's shutdown and blowdown valves.*

**SOLUTION**

Emerson personnel from Singapore, Philippines, and Malaysia worked together to plan and implement these upgrades in record time. Working with the customer, they scheduled the turnaround to deliver reliability improvements and minimize the project’s cost, schedule, and risk. Platform managers accepted Emerson’s plan, which was expected to take 24 days.

First, Emerson-certified technicians ordered 235 stainless steel FIELDVUE DVC6200 instruments with airsets, mounting kits, and spare parts. The orders shipped on time, and the turnaround began in March 2015. The team logged 235 instrument tags into the valve maintenance tracking system. This database enabled them to track the work being done on-site and to generate daily progress reports.

More than 75 Emerson people worked on-site, installing a new DeltaV™ SIS system and replacing hundreds of aluminum FIELDVUE DVC5000 digital valve controllers with DVC6200 instruments made of stainless steel. Other Emerson sites provided support, especially on weekends. To meet an unexpected need, the South East Asia service center, for example, provided a plug-stem assembly in one week.

The turnaround was completed in 18 days. The offshore platform saved millions by avoiding six days of downtime and interruptions in supply to its onshore gas plant.

*Emerson presented its 2015 “Consider it Solved” award to the regional team who completed this turnaround and will continue to provide on-site support for this platform.*



*As part of a turnaround, Emerson-certified service technicians installed new stainless steel FIELDVUE DVC6200 instruments to Fisher rotary and sliding stem control valves.*

**RESOURCES**

**Flyer: Diagnostic Services**

<http://emr.sn/0is8>

 <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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