

# Electric Power Company Eliminates Controllability Issues & \$17,000 USD-Worth of Annual OPEX with Fisher™ Vee-Ball™ V150 Valve, Attenuator & FIELDVUE™ DVC6200 Instrument

## RESULTS

- Eliminated valve leakage, pipeline noise and process controllability issues with a noise attenuating trim and a more accurate digital valve control system
- Saved yearly control valve maintenance service estimating \$17,000 per unit
- Avoided additional costs on pipeline modification and related man hours by matching the existing valve's face-to-face dimensions



## APPLICATION

Deaerator pressure control system

## CUSTOMER

Ratchaburi Electricity Generating Company Limited (RGCO)  
Thailand

## CHALLENGE

The deaerator pressure control system consisted of three ball valve units showing controllability issues at the lower opening, as well as leakage and high pipeline noise. Because of this, the valves needed to be serviced every year with the plant experiencing downtime every time.

The customer's initial consultation with the existing provider determined that the valve units were obsolete models and carried low flow controllability and noise issues. The proposed replacement models posed the same controllability issue at the lower opening, as well as high noise concern, and also required piping modification to accommodate dimension incompatibility.

## SOLUTION

Kanit Engineering Corporation Limited, our local business partner in Thailand, engaged the customer to understand the issue and proposed the Fisher 12-inch V150, a rotary Vee-Ball valve, with a noise-attenuating trim and the FIELDVUE DVC6200 digital valve controller.

*The Fisher control valve system with noise attenuator and digital valve controller offers increased operational uptime at an electric power plant.*



*The 12-inch Fisher V150 Vee-Ball Valve with noise attenuator and FIELDVUE DVC6200 installed on-site*

## POWER

The proposal offered better and more accurate controllability at the lower opening, ensured shutoff integrity and provided noise attenuation. It also matches the existing valve's face-to-face dimensions, thus saving piping modification and related man hour charges.

The customer agreed to implement the proposal on one control valve unit, and after more than a year in operation, the Fisher control valve system is still providing improved controllability to the plant's operations. With no leakage or noise concerns, the customer saved more than \$17,000 (600,000 THB) on yearly maintenance and operational costs.

With proven performance in operation, the customer intends to change the remaining two old units with the same Fisher solution proposed by Kanit Engineering Corporation Limited.



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



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



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



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

### Emerson

Marshalltown, Iowa 50158 USA  
Sorocaba, 18087 Brazil  
Cernay, 68700 France  
Dubai, United Arab Emirates  
Singapore 128461 Singapore

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