

# Steel Plant Improves Cooling Efficiency & Sustains Reliable Operations with Fisher™ OEM Valve Parts

## RESULTS

- Avoided unplanned shutdowns with Original Equipment Manufacturer (OEM) valve parts.
- Achieved uninterrupted plant operations through the support of an OEM-accredited service provider.



## APPLICATION

The control valve in this application ensures the required cooling water is available to cool the hot strips in the steel plant. Cooling water valves are direct-acting proportional controllers designed for installation in cooling water or brine return lines.

## CUSTOMER

A steel plant in Asia Pacific.

## CHALLENGE

As the steel plant's water consumption increased, the rolling mill temperature fluctuated, causing the Fisher 3-way valves that fed cooling water to the mill to fail in some areas. This disruption led to an unplanned shutdown of operations.

## SOLUTION

Through an on-site assessment, Emerson's technical team found that replicated parts were used in place of the original parts in 15 Fisher 3-way valves. The replicated parts did not meet required dimensions and tolerances, particularly, the stem size was not adequate to handle the process. It is important to use OEM parts for Fisher 3-way valves as this assures sizing and dimensions fit well to prevent unplanned shutdowns, ensure safety, and reduce costs.

*Properly measured Fisher OEM valve parts maintain operational efficiency at a steel plant in Asia Pacific.*



*Fisher 3-way Valve*

Emerson technical teams have extensive experience with Fisher applications and the on-site team recommended oversized stem for the plug assembly. With the recommended Fisher OEM parts in place, the customer avoided further operational interruptions and improved water consumption and cooling efficiency.

The customer appreciated and understood the value of using OEM parts and OEM solutions over replicators when partnering with an accredited service provider.



<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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