VALVTECHNOLOGIES

Case Study

The Costly Impact of Improper Valve Installation

Location: Italy Plant type: Combined Cycle Power Plant Industry: Power Application: Non-modulating control Product: Xactrol® Mark I Valve

ValvTechnologies' Service team was able to save their customer in downtime by replacing full internal spare parts of ValvTechnologies Xactrol® valves that were previously installed by a nonauthorized third-party company.

Testing on the valves results:

- Economizer that is not getting pressurized.
- Parts had been installed incorrectly and were not the correct orientation, critical components of the valve caused severe damage to the internal components.

Crucial only trained and approved personnel install actuators on ValvTechnologies valves to prevent voiding any warranties and ensure that critical components are properly aligned during installation



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Background:

ValvTechnologies service team were called out to attend a power station located just outside of Rome in Italy.

Challenge:

Our customer had raised concerns about two ValvTechnologies Xactrol® severe service control valves failing not long after valves had been serviced by a third-party company.

"The customer was experiencing several issues on Economizer that was not getting pressurized. As a result, workers were forced to operate upstream valves manually which posed a risk to the plant"

The strip-down of the valve revealed that parts had been installed incorrectly and out of orientation. Critical valve components, such as the seat and ball, were misaligned, causing extensive damage to the internal structure. The root cause was the lack of product training and excessive force applied during the actuator installation.

Solution:

The decision was made to replace all internal spare parts in both valves, including the ball and end caps.

It is crucial only trained and approved personnel install actuators on ValvTechnologies valves to prevent voiding any warranties and ensure that critical components are properly aligned during installation.

