

Industry: Power & Desalination

End User: Dubai Electricity & Water Authority (DEWA)

Application: Brine Recirculation Pump Discharge Isolation Valve DN 1000

Thordon Grade: ThorPlas-Blue

Date of Original Installation: April 2020

ONCE AGAIN, DEWA OPTS FOR THORPLAS-BLUE TO REDUCE DOWNTIME

About:

Dubai Electricity & Water Authority (DEWA) is a public service infrastructure company that was founded in 1992. The objective of the state-run company is to make an adequate and reliable supply of electricity and water available to the people of Dubai and other emirates.

Challenge:

The fabric lined metal bushings that were originally installed by the OEM in the brine recirculation pump discharge isolation valve were wearing out frequently. This caused the shafts to seize and as a result the bearings needed to be replaced every 12-15 months resulting in unplanned maintenance costs and downtime. When it came time to replace the worn bearings there were no spare OEM bushings available and the end user could not afford the additional downtime waiting for the spares to arrive.

Solution:

Based on DEWA's previous success with ThorPlas-Blue in a butterfly valve, the end user contacted Thordon's authorized distributor in the UAE, Ocean Power International, to request the material again for this application. ThorPlas-Blue has excellent wearlife, is easily machined, and was readily available from the local distributor's stock saving the end user both time and money.

Result:

The bushings have been in operation for approximately 10 months without any wear, or unexpected downtime. Overall, ThorPlas-Blue will save DEWA close to USD \$30,000 by eliminating downtime that caused production loss, as well as reducing the manhours and machining costs required to replace the bearings.

