



ENVIRONMENTAL TECHNOLOGY

## Company makes huge savings with AESSEAL® system

A water company in the Middle East has saved almost a quarter of a million dollars following the installation of an AESSEAL® bearing protector.

The company had been experiencing serious and persistent problems resulting from the failure of a heavy duty pump. The reason for the failures was that the existing OEM labyrinth design couldn't prevent a continuous leak from the gland packing, which seeped into the bearing, leading to premature bearing failure and the eventual failure of the entire pump.

This was occurring on average every six months, and since the company was operating with only a single standby pump, each failure came with the threat of a serious water shortage for the local population. The cost of dismantling, repairing, and re-assembling such a large piece of equipment was in excess of \$60,000, not including the cost of replacement parts.

The solution proposed by AESSEAL® was the installation of its 180mm LabTecta®TE (top entry) bearing protector. This was installed in October 2021 to a customized design specifically tailored for this application, and has been running without a problem for the past two and a half years. There has been no water leakage, and eliminating the persistent pump failures has resulted in a huge reduction in operating costs, with savings estimated at around \$230,000 over this period.

The increased reliability has not only ensured that the population in the region has continuous access to clean water, but by minimizing downtime and ensuring uninterrupted operation, the AESSEAL® LabTecta®TE has also eased the pressure on the company's maintenance team and minimized resource consumption.



## 'Saving almost a quarter of a million dollars'

Industry:	Water & Waste
Product:	LabTecta®TE
Application:	Heavy Duty Pump
MTBF Increase:	400% (and counting)
Savings:	\$230,000 (and counting)
Reference N.O:	TD3102685



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