



Dual seal cuts costs for UAE company

The installation of an AESSEAL® dual seal is saving a petrochemical company in the United Arab Emirates thousands of pounds in repair and maintenance costs.

The company was using a competitor's back-to-back seal for a debutanizer reflux pump in their ethane cracker plant. However, product contamination meant that the pump was having to be overhauled and costly repairs carried out to the seal every six to nine months.

In an effort to reduce the maintenance costs, the company approached AESSEAL® in search of a cost-effective alternative. AESSEAL® recommended replacing the back-to-back seal with a face-to-back CAPI™ Type A dual seal. The face-to-back seal helps to prevent product contamination by centrifuging product away from the outside diameter of the inboard seal faces, greatly improving seal reliability.

The CAPI™ range is primarily designed for use in the oil, gas, and petrochemical industries, featuring inner seal cooling provided by a barrier fluid deflector and a high-efficiency taper vane pumping ring with large internal clearances.

The new seal was installed in March 2021, and three and a half years later, is still working without a problem. AESSEAL's lower refurbishment costs and its fast turnaround time has already saved the company around £11,500 (US\$15,000), and it now plans to install a CAPI™ seal on another of its pumps.



'Reliability increased from <9 months to >3.5 years'

Industry:	Petrochemical
Product:	CAPI™ Type A dual seal
Application:	Debutanizer Reflux Pump
MTBF Increase:	600% (and counting)
Savings:	\$15,000
Reference N.O:	TD3111624

