



ENVIRONMENTAL TECHNOLOGY

## Standard of service makes AESSEAL® a clear winner

The seal on a pump at a chemical plant in the east of England was burning out on average every two weeks due to dry running, resulting in some four hours of downtime each time it failed. Leakage of product was also causing a slip hazard in the work area.

The solution proposed by AESSEAL® was to replace the competitor's single seal with the AESSEAL® 45mm DMSF™ pressurized P2 system running on an API plan 53a.

The DMSF™ range of double cartridge mechanical seals, with its unique bi-directional pumping ring, has been specifically designed for difficult applications. It is the result of more than three years evaluation and development, and AESSEAL® believes that it is the most technologically advanced mechanical seal in its class. It has been shown to improve plant uptime and to reduce maintenance costs. With its world-leading barrier fluid pumping and seal face cooling, it is designed to withstand barrier and process pressure fluctuations.

The new system was installed in August 2021, and is still working perfectly over two and a half years later. It has given the seal protection against dry running by maintaining a liquid barrier film through the pressure in the seal support system. It has greatly reduced downtime, and by preventing product leakage it has eliminated the slip hazard, greatly improving worker safety.

The company has estimated that it has saved around £144,000 over the past two years, taking into account the cost of seals and loss of production.

AESSEAL® has also impressed its client with its level of customer service. The company's maintenance manager says that the quality of AESSEAL® products and the high standard of service it provides have combined to make it a preferred supplier.

"Since we started using AESSEAL® three years ago," he said, "we have received an all-round great service. AESSEAL® is always ready to help, come rain or shine, and on the occasions when they're needed, seals have been delivered to the site within a matter of hours."

## 'Reliability increased from 2 weeks to over 2.5 years'

Industry:	Chemical
Product:	DMSF™
Application:	Chemical plant
MTBF Increase:	6400% (and counting)
Savings:	>£144,000 (and counting)
Reference N.O:	TD3100534



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