



ENVIRONMENTAL TECHNOLOGY

## RDSX™ the answer for Czech chemical company

The installation of an AESSEAL® RDSX™ seal has solved a reliability problem for a chemical company in the Czech Republic.

The company was using a single mechanical seal which was proving unable to deal with the abrasive nature of the process fluid, causing the seal to fail every two to three months. Dismantling and reassembling the pump was taking up to three days, resulting in lengthy downtime, and the process was made more difficult by the complex screw-shaped interior of the pump. Any attempt at repair carried the risk of further damage, adding considerably to the cost.

To rectify the problem, AESSEAL® recommended the installation of its RDSX™ split seal. The RDSX™ is one of the easiest and quickest to install split seals on the market, eliminating the need to remove or strip equipment for seal replacement. Its self-aligning rotary makes it easy to install at the first attempt, offering the benefits of a mechanical seal over traditional packing solutions while minimizing maintenance costs and downtime.

The seal was installed in March 2024, and has been operating successfully for more than a year. The savings on the cost of repairs and downtime during this period have been estimated at more than £25,000 (\$35,000), and the customer has since ordered a second RDSX™ split seal for the twin pump.



**‘Reliability increase from <3 months to >15 months’**

Industry:	Chemical
Product:	RDSX™
Application:	Fertilizers
MTBF Increase:	400% (and counting)
Savings:	£25,000 (\$35,000)
Reference N.O:	TD3122063



[aes seal.com/info](https://aes seal.com/info)