CDSA™ provides major savings for German company

A German paper and packaging plant has reported significant savings and improved reliability following the installation of CDSA™ double cartridge mechanical seals.

The CDSA™ is replacing deficient fiber packing, which was allowing significant product leakage and an excessive use of flush water (around 10 litres a minute). In addition, it was resulting in heavy sleeve wear, which resulted in expensive and time-consuming sleeve changes and a consequent loss of production.

The remedy suggested by AESSEAL® was to replace the fiber packing with the CDSA™ mechanical seal, with its self-aligning inboard and outboard seal faces and modular construction for maximum adaptability.

The use of a mechanical seal has eliminated the problem of sleeve wear and put an end to the leakage of product, which was creating a hazardous working environment because of the risk of slippage. In addition, the CDSA™ is mounted from the impeller side, which means that the seal can be changed quickly and easily without completely dismantling the equipment.

Flushing is no longer required thanks to the SW water management system and the double-acting seal. A further benefit has been a reduction in power consumption of several kilowatt hours.

The new system was installed in June 2022, and is still working without a problem more than two and a half years later, improving the MTBF from 12 months to its current level of 30 months and counting. The company has reported savings to date of more than €16,000, and achieved a return on its investment in a little over a year. Its engineers are currently converting the last of its four refiners to the new system, which it says has made a huge contribution to improving reliability and reducing running costs.

'Improved safety and electricity savings'

Industry:	Pulp & Paper
Product:	CDSA™
Application:	Refiner - TF2E Twin Flow (VOITH)
MTBF Increase:	150% (and counting)
Savings:	>€16,000
Reference N.O:	TD3109583

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