



ENVIRONMENTAL TECHNOLOGY

US paper company saves thousands with CDSA™

The installation of an AESSEAL® CDSA™ double cartridge mechanical seal has improved seal reliability and saved thousands of dollars in water costs for a US paper company.

The company, which was using water from the city supply, was aware that its water costs were excessively high but was unable to easily ascertain whether or not this was being caused by the API Plan 54 water to drain and/or an inboard seal leak into the process, which is very expensive.

AESSEAL® recommended replacing the existing system with a CDSA™ mechanical seal and its 25 litre SW3 water management system. The CDSA™ seal features self-aligning inboard and outboard hydraulically-balanced seal faces, and a modular construction for maximum adaptability, allowing a flexible engineered approach for each application.

The AESSEAL® SW range of water management systems maintains vessel water level and pressure, and visually alerts the user in the event of an inboard seal failure. It is easy to install, and protects the plant water supply from contamination. It also maintains vessel pressure in the event of any interruption to supply.

The installation of the new system in 2020 has doubled the MTBF from three to six years as of early 2026, and has resulted in monthly savings of almost US\$400 or US\$5000 annually, amounting to an estimated US\$30,000 over the six year period.



‘Black liquor MTBF increased from 3yrs to >6yrs’

Industry:	Pulp & Paper
Product:	CDSA™ & SW Range
Application:	Black Liquor
MTBF Increase:	100% (and counting)
Savings:	£30,000 (and counting)
Reference N.O:	TD3134052



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