



ENVIRONMENTAL TECHNOLOGY

CDPH™ brings big savings for Botswana company

The replacement of a graphite packing system on a cyclone feed pump with the more efficient AESSEAL® CDPH™ double mechanical seal is saving a Botswana mining company more than US\$20,000 a year in repair and maintenance costs.

Before the upgrade to the CDPH™, leakage of product through the graphite packing meant that the pump had to be overhauled every three months. Because the pump was located in a high security area, it was not easy to access, and maintenance was a costly and time-consuming process.

The installation of the CDPH™ in 2019 resulted in an immediate improvement in the MTBF from three months to between eight and 12 months, reducing costs and the time spent by the company's engineers on repair and maintenance.

The CDPH™ double mechanical seal is designed for highly demanding slurry applications. Large ports and increased radial clearances enable the seal to maintain a stable fluid film for extended seal face life. Its robust drive mechanisms reduce the likelihood of seal face damage.

As well as the US\$20,000 which the company is saving each year on repair and maintenance, the upgrade to the CDPH™ has also resulted in a significant reduction in the consumption of water and electricity.



'Reliability increased from <3 months to >8 months'

Industry:	Mining
Product:	CDPH™
Application:	Cyclone feed pump
MTBF Increase:	166% to 300%
Savings:	>\$100,000 (and counting)
Reference N.O:	TD3107930



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