



ENVIRONMENTAL TECHNOLOGY

A \$30,000 yearly saving for Australian copper mine

An Australian copper mine was having unacceptable failure rates on a filter press feed pump that was used to dewater the copper ore slurry.

The current gland packing sealing solution was causing excessive wear on the shaft sleeves leading to a loss of product and gland water as well as damaging the bearing barrels.

AESSEAL® installed heavy duty slurry seals that are designed especially for the mining industry, and are built to withstand high levels of pump vibration and cavitation. The installation of the SW2 water management system removes water wastage and provides more cost efficient cooling than the once-through flushed gland system previously used.

The solution installed by AESSEAL® not only increased the mean time between failure rate by 300%, but also stopped water ingress into the product significantly reducing filtering costs. The SW2 water management system has contributed to saving over 10,000,000 litres of water per year, saving the mine over \$30,000 Australian Dollars in water cost and a significant environmental saving.



“Eliminating bearing damage and saving water”

Industry:	Mining
Product:	Heavy Duty Slurry Seals and SW2 System
Application:	Filter Press Feed Pump
MTBF Increase:	300%
Savings:	\$30,000 AUD
Reference N.O:	CH00371



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