



ENVIRONMENTAL TECHNOLOGY

Water and cost savings with reliability upgrade

A beer producer in South Africa was being forced by the local government to save water around their facility.

The company was using a dual seal with a quench to drain seal support system on one of its pumps. This pump alone consumed 100,000 litres of water a year, in addition some of this water ended up on the floor around the pump and was causing a fall hazard. The seal had a mean time between failure (MTBF) of just 6 months. The company turned to AESSEAL® for assistance.

AESSEAL® recommended replacing the seal with a DMSF dual seal and the seal support system with an AESSEAL® water management system. The AESSEAL® water management system uses a tank to create a closed loop for the seal barrier fluid almost eliminating water consumption. The new solution was installed in February 2020 and has been running without problems ever since. The MTBF has improved from 6 months to 15 months and counting. The new solution has already saved the customer ZAR 64,930 and water costs for the site have dropped by ZAR 225,000 per year. A further 11 systems have been installed by AESSEAL® on site.



‘No wasted water’

Industry:	Food & Beverage
Product:	DMSF and Water Management System
Application:	Beer pump
MTBF Increase:	150% (and counting)
Savings:	ZAR 64,930
Reference N.O:	CS0057



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