



ENVIRONMENTAL TECHNOLOGY

## Improving reliability and reducing product loss for sugar Refinery

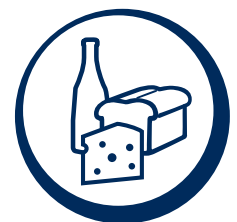
A South African based sugar refining plant was using gland packing on two screened juice pumps and two mixed juice pumps with a quench to drain seal support system. This was costing over ZAR21,300 (£1,216) in lost product, and using 1.8million litres of water each year.

AESSEAL® replaced the gland packing with a CDPN, cartridge double seal, along with a SW02 Water Management System operating with an API Plan 53a. The seal and water management system operate in a closed loop environment which provides significant water savings over a quench to drain system, as well as protecting against leakage of the product to the environment.

After 18 months the installed solution continues to operate without undue maintenance. The cost of the upgrades to the four pumps was repaid within 17 weeks of operation and saved the facility over ZAR107,500 (£6,121) in the first year and ZAR235,500 (£13,450) in subsequent years.

**“No product leakage and €30,000 cost saving”**

Industry:	Food & Beverage
Product:	CDSA and SSE 12-W2 with FDU
Savings:	€30,000
Reference N.O:	CH00257



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