



CDM™ reliability the answer for seal failures

A corrugated packaging plant in northern France was experiencing persistent seal failures, on average every two months.

The company was using a seal system with API Plan 32, but poor packing quality was allowing water to enter through the packing ring. The result was high water and electricity consumption and the regular failure of the seal, resulting in high maintenance costs, and in some cases, loss of production.

When the company turned to AESSEAL® for a solution, AESSEAL® proposed upgrading the gland packing to a CDM™ cartridge double mechanical seal with a SW2™ water management system. The CDM™ seal is available in a wide range of seal face, elastomer and alloy combinations to suit individual applications, and has the advantage of being able to accept radial movement up to 1.5mm.

The system was installed in 2020 and ran without a problem for 12 months until it was replaced as part of planned annual maintenance. During that time electricity consumption was reduced by 25%, and the company saved more than 2,000 cubic metres of water. The reliability of the seal meant that there was no plant shutdown during that time, bringing total savings for the year to an estimated €70,000.

The success of this installation has led the company to fit AESSEAL® products to all its pumps and rotating equipment.



Electricity consumption reduced by 25%'

Industry:	Pulp & Paper
Product:	CDM™
Application:	Pulp Mixer
MTBF Increase:	>500%
Savings:	€70,000
Reference N.O:	TD3104248

