



ENVIRONMENTAL TECHNOLOGY

Staying cool in Cardiff

The cooling system in a High Profile office building in the Cardiff Bay area was operating with just a single duty pump and no standby.

The OEM seal – a single spring component seal using API Plan 13 – was failing every three to five days because of suspended abrasive contamination within the closed loop system, requiring the seal to be changed in situ in the pump house, which was located at roof level.

When the facilities management company approached AESSEAL® in search of a solution, AESSEAL® recommended the installation of DISP™ Dual Stationary Seals and SW2™ water management systems.

Among the features of the DISP™ seals are their highly efficient bi-directional pumping action, which circulates barrier fluid for effective seal face cooling, and a high-integrity drive design which improves reliability and seal life.

The SW2 water management system is part of the environmentally-friendly SW range. It connects directly to the plant water line, using it as its fluid and pressure source.

The DISP™ seals and SW2™ water management systems were installed in June 2023, with AESSEAL® technical staff on site to assist with the installation and commissioning process. All four pumps are still running without incident after more than one and a half years.



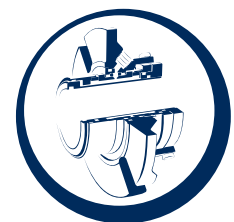
before - contamination leakage



after - no leakage

‘Reliability Increase from <5 days to >1.5 years’

Industry:	Facilities Management
Product:	DISP™ and SW2™
Application:	Cooling System
MTBF Increase:	10,840% (and counting)
Reference N.O:	TD3107183



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