



Training and excellent support leads to improved reliability

Ongoing reliability issues with their pulp agitator mechanical seals led Australian pulp and paper manufacturer to turn to AESSEAL® for assistance.

AESSEAL® investigated the issues and found no problem with the selection of the seal design, they did however discover major issues with the commissioning and routine maintenance of the seals and the seal support system filters. Specific issues were as follows:

- On commissioning of the seal, air was not bled from the seal support system, this led to the seal running dry, damaging the seal faces. This was a key driver of the seals failing after less than 16 weeks.
- Due to the acrylic filter for the seal support system being installed in an inaccessible location, maintenance was not adequately performed.

To address these issues, AESSEAL® upgraded the seal support systems to Water Management Systems and installed the stainless steel filters in an easy to access location for routine checking and maintenance. AESSEAL® provides routine maintenance services and attend site during commissioning of mechanical seal systems wherever possible. In addition AESSEAL® provided plant personnel with appropriate training to ensure maintenance staff follow correct procedures.

The result is 12 of the 14 agitators on site, have now been running continuously for more than 4 years to date.



“Exceptional improvement in reliability”

Industry:	Pulp & Paper
Product:	CDPN and SW02 Water Management System
Application:	Agitator
MTBF Increase:	1100%
Reference N.O:	CH01255

