

PULP & PAPER

# BOOST YOUR REFINER AVAILABILITY WITH LCPS

LOW CONSISTENCY REFINER PROTECTION SYSTEM

The LCPS (Low Consistency Refiner Protection System) is an ANDRITZ proven protection system for all types of LC refiners regardless of adjustment system, size or OEM. With the functions provided, up to four LC refiners can be monitored 24 hours a day. There is no unprotected moment where refiner

plates can touch or be destroyed. The LCPS includes acceleration sensors as protection against plate failure and also contains condition monitoring features for online vibration trending of the bearings. The customer knows the status of the equipment connected at any second and can predict faults at

an early stage. This advantage will boost refiner availability to the maximum. Unscheduled plant stoppages because of plate failure or bearing damage can be avoided. This benefit will save you a great deal of problems and money.

**ANDRITZ**

**ENGINEERED SUCCESS**

# Boost your refiner availability with LCPS

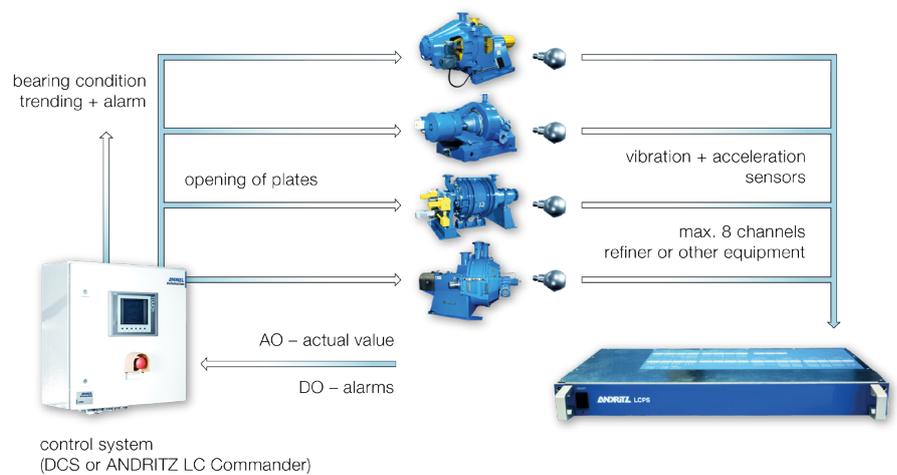
Machinery group	Model(s)	OEM manufacturer
LC refiner	All	ANDRITZ and competitors

## THE CHALLENGE

Disruptions in the pulp flow of a low consistency refiner line or a foreign object in the pulp can cause refiner plates to fail. The destroyed plates can harm other equipment further down the process line. Such accidents, as well as sudden bearing failures, cause costly downtime, loss of production, high maintenance costs, and possibly even serious or fatal injury.

## THE ANDRITZ SOLUTION

Low Consistency Refiner Protection System (LCPS)



## BENEFITS

- Highest level of machine safety due to prompt alarm signals and closed loop control (plant control systems or refiner commander)
- Machine condition monitoring and trending 24/7 via acceleration and vibration measurement
- Avoidance of plate failure
- No more unforeseen shutdowns lead to higher machine availability

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