



Case Study- Paper & Pulp Production

A leading paperboard and specialty paper manufacturer deployed cutting-edge digital technologies to improve plant reliability and efficiency



Total Capacity
900,000 TPA



Plants Covered
4



Exposure Points
150+

Applications covered-

- Thermo-roll & boilers
- Dryer cylinder roll
- Crusher jackshaft
- High consistency & low consistency refiners

Challenges-

- Bearing failures
- Structural looseness
- Supply chain disruptions
- Frequent shutdowns
- Loss of production hours

Business Case-

One of the most prevalent issues in the paper production process is bearing failures in press rolls. This can directly impact the availability of equipment during a critical process, the quality of paper, or result in frequent outages. Improper bearing design, misalignment, and inadequate lubrication can cause fatigue and irreparable damage arising out of wear and tear.

Solution Deployed - A comprehensive remote diagnostics and asset reliability solution enabled the plant maintenance teams to determine the condition of equipment during the run.

With real-time machine insights, reliability teams could spot the anomalies in bearings, structural and rotational issues. They were able to predict the equipment failure in advance as well as the required steps to schedule repairs.

Business Impact

32+ Hours

of unexpected downtime saved