Proactive maintenance

Proactive maintenance via condition monitoring predicts potential failures, saving 15%+ of maintenance costs.

Avert these potential paper and pulp equipment failures

- High vibration and continuous loads can cause breaking of chipper blades.
- Paper press rolls have many moving and rotating parts prone to bearing failure.
- Boilers are prone to lubrication and bearing failure.
- Dryers have a potential failure, with a non-optimum temperature and sudden expansion and contraction due to temperature fluctuations.
- In the turbine, dislocation of joints can occur due to bearing failures.
- At the bleaching towers, common problems occur in rotating parts and gear boxes due to bearing and lube oil failures.
- Most critical equipment includes paper press rolls, dryers, and conveyer belt cleaners.

Reactive maintenance is expensive

Downtime increases maintenance costs by $10,000–$12,000 US dollars/hour.

50-60% of equipment malfunctions are due to incorrect or lack of maintenance.

60% of unplanned downtime results in significant losses.

63% of unplanned downtime results in $12,000–$20,000 US dollars/hour.

53% of unplanned downtime results in significant losses.

50-60% of equipment malfunctions are due to incorrect or lack of maintenance.

Implementing Bently Nevada condition monitoring systems can prevent production losses of up to hundreds of thousands of dollars per day.