Reliability 360

Railcar Manufacturer Avoids 35 Hours of Unplanned Downtime in 1 Month

CUSTOMER CHALLENGES

1 Implementing predictive maintenance

2 Eliminating unplanned downtime

3 Monitoring critical machine assets

R360® MACHINE HEALTH MONITORING

To help overcome the plant's challenges, this heavy equipment manufacturer partnered with ATS to deploy temperature and vibration sensors on their most critical assets.

The tailored solution includes:

- All software, communication network, data storage, installation and system maintenance
- Deployment of sensors on all critical assets
- Continuous monitoring and expert guidance from dedicated reliability engineers

Real-Life Example

The Reliability Engineer (RE) analyzes real-time data and observes a blast motor was showing a relatively flat amperage draw during operation.

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The RE notifies the on-site maintenance team to inspect the machine and found a clog on one of the shot gates restricting flow to the blast wheel and sheared mounting bolts.

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Prescriptive action is taken to clear the clog, replace the bolts and test proper asset functionality. The PM was reviewed and revised for effective inspection verbiage.

BOTTOM-LINE SUCCESS

The annual program price of $9,720 delivered $10,012 in avoided losses and 35 hours in avoided downtime within the first month.

35
DOWNTIME HOURS PREVENTED

$10,012
TOTAL AVOIDED LOSSES

12X
ROI

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