

CASE **STUDY**

CONDITION-BASED

**MONITORING SYSTEM
PROTECTS AGAINST
FAILURE FOR CRITICAL
CRUSHER MOTOR
BEARINGS**

CS002



HAYLEY

DEXIS

HAYLEY DEXIS

CONDITION-BASED MONITORING // AGGREGATES

Focus on **value**

**TRACK
UP**

THE SITUATION

Crusher motor bearings are notoriously difficult to monitor, and their failure can cause an entire plant to come to a complete standstill while the affected motor is repaired.

After a serious failure at one of the customer's sites harmed production and revenue, it was decided that a live condition-monitoring system was required to prevent this from happening again.

THE SOLUTION

HAYLEY 247 DEXIS worked closely with the customer to identify requirements, before recommending the MachineGuard system. Alongside the physical monitoring apparatus, control panel software and a wireless notification system were also installed.

The complete system would allow round-the-clock, multi-level monitoring, with specific alarms set to notify the maintenance team appropriately. The live feed of monitoring information would be consumed and displayed by the MachineGuard software in a way that was easy to interpret and analyse.

KEY VALUE AREAS



INCOME



SPEND

THE RESULT

Driven by the software and wireless warning system, the maintenance team now has up-to-date insight into critical asset condition. This has given the team advanced warning of any problems, and has helped prevent any unplanned downtime from affecting production. Site wiring costs have also been negated by the wireless technology. The system is able to interface with existing SCADA site-based systems, with the monitoring data publishable online for the benefit of other staff or external stakeholders.

“

THIS HAS GIVEN THE TEAM ADVANCED WARNING OF ANY PROBLEMS, AND HAS HELPED PREVENT ANY UNPLANNED DOWNTIME.

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CONTACT US!

Speak to your local HAYLEY DEXIS branch today!

You can find their details by using our online Branch Finder tool:

www.hayley-group.co.uk/branch-finder.

KEY SOLUTIONS

MachineGuard condition-based monitoring system

KEY RESULTS

24hr monitoring enabled, both locally and remotely.

Risk of unplanned critical asset failure reduced.





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