

BEST PRACTICE

LOCATION: Quarry
ACTIVITY: Maintenance & Housekeeping
SUB ACTIVITY: Conveyors
BEST PRACTICE No: BP2127
COUNTRY OF ORIGIN:

ARTICLE YEAR: 2022
COMPANY: Martin Engineering Ltd
COMPANY LOCATION: Singleton Birch
COMPANY TEL: 0000

TITLE

Remote monitoring for belt cleaners

ARTICLE

FINALIST - Safer maintenance

Over recent years, a Martin Engineering technician has visited Singleton Birch's lime works in Lincolnshire to service 75+ conveyor belt cleaners over a few days each month. This involves manual inspection of every cleaner to ensure they are doing the job of preventing material carry-back, spillage and build-up.

Historically, the only way the technician could identify what maintenance was needed was to physically go to each belt cleaner location, involving all LOTOTO procedures, removal of guarding and – where necessary – following the RAMS for confined spaces, working at height, etc.

Each conveyor presents significant hazards such as entrapment, working at height, working in confined spaces, exposure to fugitive dust and slips and trips. These are documented on RA and SSOW, requiring permits to be issued and the conveyors to be isolated to allow safe servicing.

Martin Engineering embarked on a programme to explore whether this common task could be made safer and more efficient through the application of technology.

Please watch the video to see its solution.

ARTICLE IMAGES