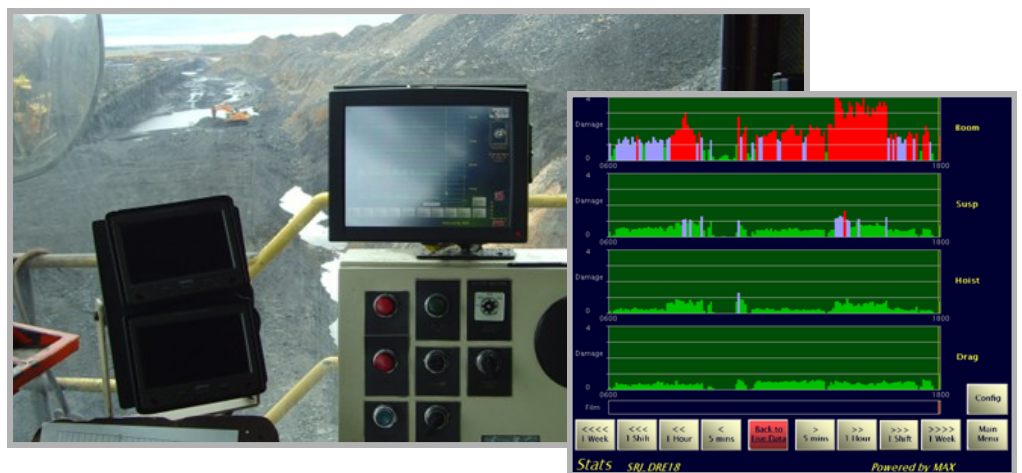


2012



MAX Watchdog System for Structural Monitoring



Product
Brochure

The MAX Watchdog System acquires fatigue data in the form of strain gauge signals providing relative load information. When the system is fully calibrated (via a structural audit to determine actual loads) the signals can be interpreted as absolute.

When applied to dragline structures (for example), strain gauges are strategically positioned on the boom and mast, cable connected to a strain gauge board, linked into the PC. Signals are acquired and stored in a local database. These raw signals are “packaged” and sent via a modem typically housed in the MAX hardware cabinet mounted in a convenient location. The system data is regularly emailed to LC for processing through algorithms. Processed data is graphically collated, analysed and produced as daily reports and sent back to mine site for review.

LC provides engineering data interpretation as and when issues present themselves. Serious issues are assessed and escalation processes followed. Data is summarised in an annual report. Service, including on-site maintenance, is provided under a General Support Agreement.

The MAX Watchdog System can utilise strain gauges, accelerometers, inclinometers, cameras and other measurement and sensor instruments. It is available in various hardware configurations to suit short, medium and long-term monitoring strategies.

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