

DraglineScan™ ABB's remote monitoring solution for draglines

DraglineScan™ is a remote monitoring solution which combines hardware and software providing real-time visibility of draglines asset information. It is the system of data exchanging and archiving installed locally on dragline with continuous remote access to it.



Dragline revamped by ABB

DraglineScan™ allows site engineers to collaborate with ABB experts on a continuous basis to achieve optimal dragline availability and improved performance. An important aspect of draglines monitoring is the observation of changes over extended periods of time, which allows ABB to suggest preventive actions to keep draglines at peak performance. The DraglineScan™ remote service includes three components: remote connectivity, hardware and software for data analyzing, and ABB's technical experts available 24/7. It offers the following levels of remote services:

Remote troubleshooting

On-demand, 24x7 technical support and visibility allowing ABB specialists to connect to the system and investigate draglines operation issues as they arise, diagnose, and support the implementation of corrective actions.

Remote periodic maintenance

Scheduled quarterly analysis of archived data against established performance benchmarks and identification of potential performance improvement opportunities. Some corrective actions can be implemented utilizing the remote session. Associated reports are provided to summarize intervention and recommendations.

Continuous monitoring

Continuous asset monitoring with real-time alarms. Asset conditions exceeding pre-established thresholds trigger immediate response through the escalation process. ABB proactively investigates the source of the alarm conditions and provides recommendations to restore process performance.

Features

- Access to high level ABB expertise
- Automated diagnostic tools
- Enhanced commissioning, start-up and warranty support
- Data logging and event driven data capture
- Remote access to on-site system engineering and maintenance tools

Benefits

- Faster detection of abnormal conditions which may impact health and safety
- Reduced maintenance costs due to improved visibility of the operating conditions of the dragline
- Reduced time to recover from system downtime
- Improved dragline efficiency
- Faster response time
- Resolution of fault conditions through the remote link will result in reduced costs

Helping you to improve productivity and make better decisions.

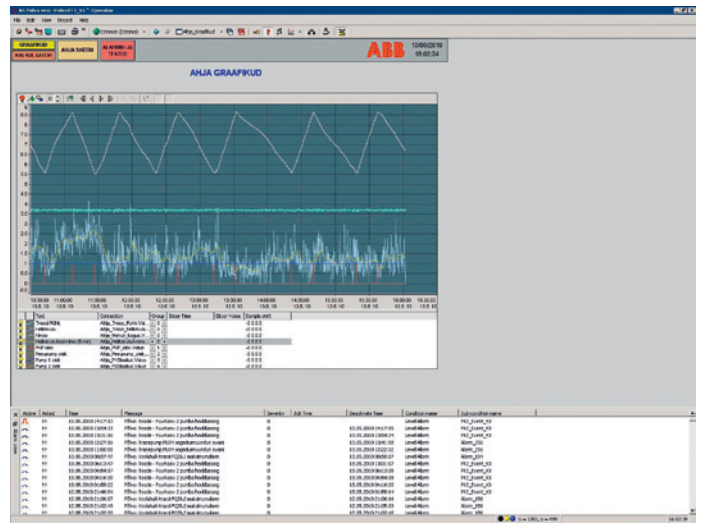
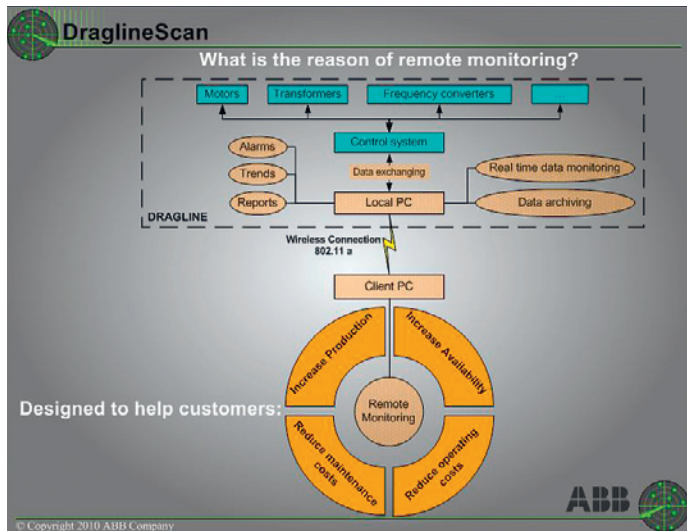
ABB site audit

ABB's dragline system monitoring takes a "holistic" approach to determine the best solution for each site. ABB engineers complete a comprehensive site audit to prepare for installation of DraglineScan™. They will coordinate with site engineers to evaluate every element from the point of view of its influence on the operation of the entire system and its consequence on the draglines.

Architecture

Remote service with DraglineScan™ relies on fast data acquisition tools designed to address the specific monitoring needs of the complex dragline systems, including drives, hydraulics and brakes. This solution includes data processing capabilities to detect disturbances and help in the identification of the associated root cause(s).

The main data acquisition port for process signals collects the data over the industry standard communication protocols, processes them and writes into database.



Monitoring tool

For more information, please contact:

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