

Metso

Lokotrack® crushers and screens

Remote IC app for remote process control



Application

Remote IC is an app for remote process control of Lokotrack® mobile crushers and screens. It is compatible with all new Lokotrack models and can also be installed as a retrofit to all models that have the latest Metso Metrics.

Metso Remote IC is an app for remote process control of Lokotrack® mobile crushers and screens. With the app, the operator can control and monitor the crushing process from the excavator using one single dashboard – improving productivity and safety at the site.

Increased safety and productivity

Remote IC app enhances safety and productivity of the crushing and screening process with Lokotrack® crushers and screens. Working as an extended monitoring and controlling tool of the existing Metso IC™ process control system, the app gives operator's visibility to the main parameters of all the machines in the Lokotrack train, all in one single dashboard. By cutting down the need for the operator to frequently step out of the excavator cabin, Remote IC reduces safety hazards at the site.

Better control of the process

With an overall visibility of the process such as crusher's cavity load and levels, the operator can adjust the feeding for optimal production level. In case of a problem, Metso IC™ process control instantly stops the feeder - thus preventing overloading - and Remote IC alerts the operator on the cause of the stoppage. As a result, this leads to a quicker return to operation. This reduced risk of overflow allows the process to run closer to maximum capacity, minimizing the likelihood of process stops.

Wireless network is established within the site and no cables are needed between

Lokotrack machines - making machine relocation easier.

Controlled by one, viewed by many

While the process can be controlled by a single user, it is visible to all individuals working at the site, allowing everyone to monitor its progress. In case of an alarm, any worker can address and resolve the issue, acknowledging the alarm on the IC display.

Remote IC application is accessible on both tablet and mobile phone. It is compatible with all new Lokotrack models and can also be installed as a retrofit to all models that have the latest Metso Metrics installed.

Metso Metrics is a cloud base service for real-time performance information, maintenance planning and fleet management that works as a remote monitoring tool off-site.

Features

- Main process parameters of all machines on a single dashboard
- Feeder pause and crusher setting from the excavator cabin
- Automatic process stop preventing overloading with detailed info about the problem.



Case: Tenkanen, Finland

Less safety hazards with Remote IC app

Challenges

- Frequent exits from the excavator cabin during crushing operations can lead to safety hazards
- Previous incidents when working on-site.

Solutions

- Remote IC app taken into use with real-time visibility of key process parameters.
- Operator can pause the feeding from the excavator cabin, reducing the need to step out.

Results

- Less safety hazards as the operator doesn't have to step out from the excavator cabin as often.
- Automatic stoppage of the process resulting to low overflow risk and the operator can feed the process close to maximum capacity for higher productivity.
- Quicker return to operation with alerts with reason for the stoppage.

Read more at
metso.com/remote-ic

