

TRUCONNECT® REMOTE SERVICE

# TRUCONNECT Wire Rope Monitoring



# Continuous knowledge of wire rope condition

The wire rope is one of the fastest wearing load-bearing component on a crane. During a typical inspection of a wire rope, only the outer wires and strands can be visually inspected. Magnetic NDT measurements can be performed to analyze the condition of the internal wires, but this requires crane shutdown and a specialist to perform the inspection.

TRUCONNECT Wire Rope Monitoring provides a continuous view of rope condition through the use of sensors installed on the wire rope. It reveals both visible exterior defects as well as internal defects that are not detectable with a visual inspection.



## Rope data - online, any time

Real-time wire rope condition information is available on our customer portal – yourKONECRANES.com. Color indication lets you quickly see if your rope is in good condition, needs attention or should be replaced immediately.

An indication of defects on different parts of the rope helps you identify which parts of the wire rope have started to wear out and may need further attention.

Wire rope replacement limits are based on the ISO4309:2017 Standard (Annex C) and extensive test data and other statistical data from Konecranes.

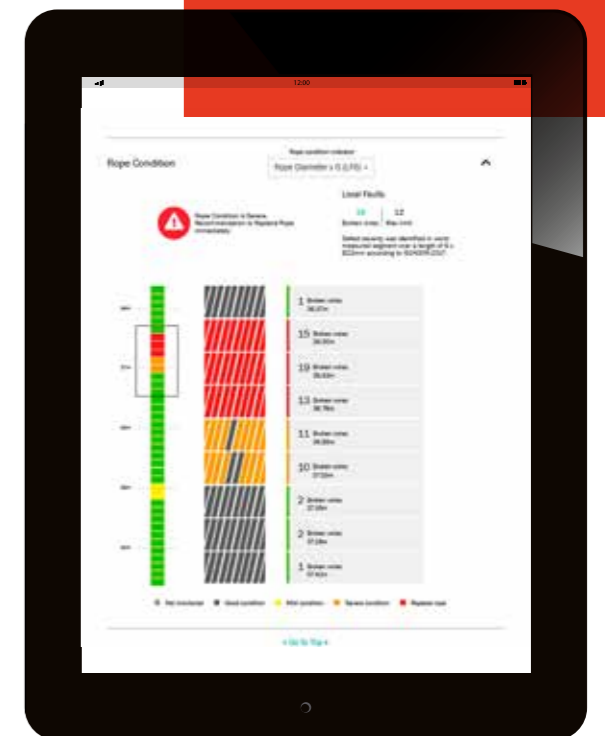
Trend displays give you an aggregated view of rope condition over time. This information helps estimate the remaining wire rope lifetime and can aid in maintenance planning.

### Data security

TRUCONNECT and yourKONECRANES have been awarded ISO/IEC 27001:2013 certification for information security management. The ISO/IEC 27001 certificate demonstrates a commitment to proactively manage the information security of Konecranes digital services and ensure compliance with legal and customer requirements.

### BENEFITS

- Know the condition of your wire ropes in an instant and at any time
- Helps you discover defects that are not visible in periodic inspections
- Assists in reducing the risk of load drop and other safety risks related to wire ropes
- No shutdown needed to inspect rope condition
- Offers potential to optimize rope change intervals – plan ahead to have the wire rope replaced during a planned shutdown
- Rope safety can be monitored remotely without interrupting crane operations



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