

# Condition/ Remote Monitoring



50%

# Retrofits to enable predictive maintenance

Adding TRUCONNECT Remote Monitoring to your crane provides real-time visibility of condition, usage and alerts from control systems and sensors on the asset as well as alerts of certain anomalies. In addition to the condition monitoring unit and modem, component-specific sensors for the brake and rope can be retrofitted to provide more specific insights on the condition of these critical load-bearing components. TRUCONNECT data is accessible on the yourKONECRANES customer portal.

**What?** Condition/Remote Monitoring retrofits include various retrofit services from modem and condition monitoring unit upgrades to the addition of component-specific sensors.

**How?** Control systems and sensors on the crane collect condition, usage and operating data and the information is made accessible on the yourKONECRANES customer portal.

**Why?** Data from critical components can reveal anomalies, like critical alerts or incorrect crane usage. Reviewing patterns and trends helps in maintenance planning and moving from calendar-based maintenance to predictive maintenance.

The Condition/Remote Monitoring retrofits is available for:

**Remote Monitoring** can be retrofitted on existing Konecranes equipment, Demag hoist and cranes equipped with Safecontrol and many different non-Konecranes brand hoists.

**Brake Monitoring** can be retrofitted on Konecranes equipment and on other existing cranes if the crane is equipped with electromagnetic disc brakes and the brake control current is under 2 amperes.

**Wire Rope Monitoring** is available as a retrofit on certain Konecranes SMARTON cranes.

Visit KONECRANES STORE at [store.konecranes.com](https://store.konecranes.com) for a complete list of available Retrofit kits.



## Benefits

- Supports predictive maintenance.
- Maintenance actions can be planned based on estimated component condition i.e. estimated remaining life.
- Provides knowledge of the remaining design working period (DWP) and remaining service life of selected components such as hoist, brakes, structures and contactors.
- Provides asset usage and operating information that is used to assess crane condition and safety.
- Notifies you of brake service life, hoist overloads, emergency-stops and overtemperature occurrences through text or email alerts, allowing for prompt response.
- Brake or Wire Rope Monitoring gives you specific information on the condition of these components.

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