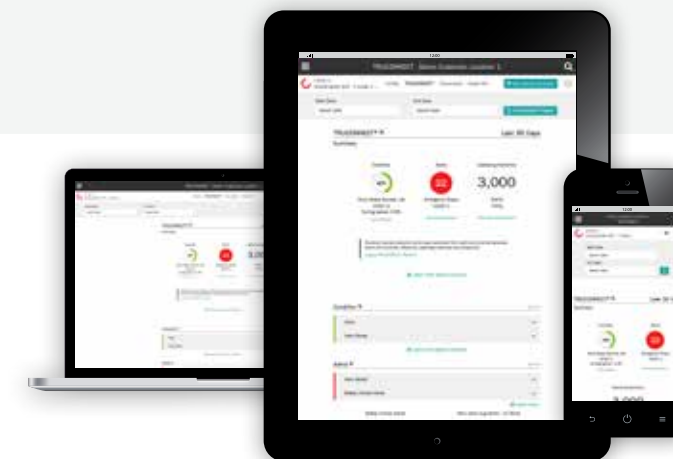


TRUCONNECT® REMOTE SERVICE

TRUCONNECT is a suite of remote service products and applications to support maintenance operations and drive improvements in safety and productivity. It is an important building block in delivering Lifecycle Care in Real Time.

	WHAT IT DOES	BENEFITS	DATA	AVAILABILITY	RECOMMENDED FOR
TRUCONNECT REMOTE MONITORING	<p>Sensors and a condition monitoring unit on the crane continuously collect usage, condition and operating data such as running time, loads, motor starts, work cycles and emergency stops.</p> <p>Notifications of critical alerts, such as hoist overloads, emergency stops and over-temperature occurrences through text or email alerts.</p>	<ul style="list-style-type: none"> Provides asset usage and operating information that is used to assess crane condition Notifies you of hoist overloads, emergency-stops and over-temperature occurrences through text or email alerts, allowing for prompt response Gives you an estimation of the remaining design working period (DWP) of selected components, such as hoist brakes and structures 	<ul style="list-style-type: none"> Safety-related occurrences, such as over-temperatures, attempted overloads and emergency stops Pareto analysis of critical alerts Operating statistics, such as load spectrum, monitoring of hoist jogging, overloads, emergency stops, work cycles and running hours Estimates of remaining Design Working Period (DWP) of selected components, such as the hoist, hoist brake and hoist motor contactors 	<p>Delivered with new Konecranes cranes such as CXT, SMARTON and engineered cranes, to sites where mobile network coverage is available. The remote service hardware can also be retrofitted on some existing cranes.</p> <p>A TRUCONNECT Retrofit Kit has been designed to equip a crane not manufactured by Konecranes with the hardware required for TRUCONNECT Remote Monitoring.</p>	<p>A single crane or an entire fleet. Ideal partner to a preventive maintenance program.</p>
TRUCONNECT BRAKE MONITORING*	<p>Provides continuous information regarding the wearing friction material, air gap and different brake faults.</p> <p>Brake fault alerts can be sent by text message or email.</p>	<ul style="list-style-type: none"> Continuous knowledge of brake condition Detects brake faults, reducing the risk of load drop Helps you avoid unnecessary brake disassembly for inspection Aids in maintenance planning by highlighting maintenance needs in advance, such as unexpected brake wear 	<ul style="list-style-type: none"> Brake opening current changes can indicate maintenance needs. Shows if air gap adjustment is proper after installation. Provides a clear picture of brake wearing intervals and replacement history, especially with unexpected brake problems. 	<p>Delivered with new SMARTON cranes. A retrofit is available for Konecranes CXT, SMARTON and selected engineered cranes, to sites where mobile network coverage is available.</p> <p>Can also be retrofitted on existing cranes if the crane is equipped with electromagnetic disc brakes and the brake control current is under 2 amperes.</p>	<p>Ideal for operations looking to increase safety.</p> <p>Especially useful for critical process cranes such as stamping line cranes and automated storage cranes and cranes in paper mills, waste to energy plants and steel mills.</p>
TRUCONNECT REMOTE SUPPORT*	<p>24/7 access to a global network of crane experts and specialists, offering problem solving and troubleshooting to help reduce unplanned downtime.</p> <p>In controlled circumstances, two-way communication with the machines and their operators can be established in order to expedite corrective action.</p>	<ul style="list-style-type: none"> Begin troubleshooting soon after a breakdown or other event to minimize downtime Troubleshooting for problems that require high-level technical expertise Support for even extremely remote locations Responsive support 24/7 from one easy point of contact, available by phone Helps identify the need for corrective on-site maintenance actions and spare parts 	<ul style="list-style-type: none"> Konecranes Global Technical Support has remote access to crane diagnostic unit for fault history and events. TRUCONNECT Remote Monitoring data is available. 	<p>Available on rubber-tired gantry cranes and various engineered industrial cranes in selected regions.</p>	<p>Ideally suited for extremely remote locations. Compliments a preventive maintenance program for critical ETO cranes.</p>

* Brake Monitoring and Remote Support are additions to Remote Monitoring



YOUR DATA – ONLINE, ANY TIME
TRUCONNECT Remote Monitoring data is available any time and anywhere on our customer portal – yourKONECRANES.com.