

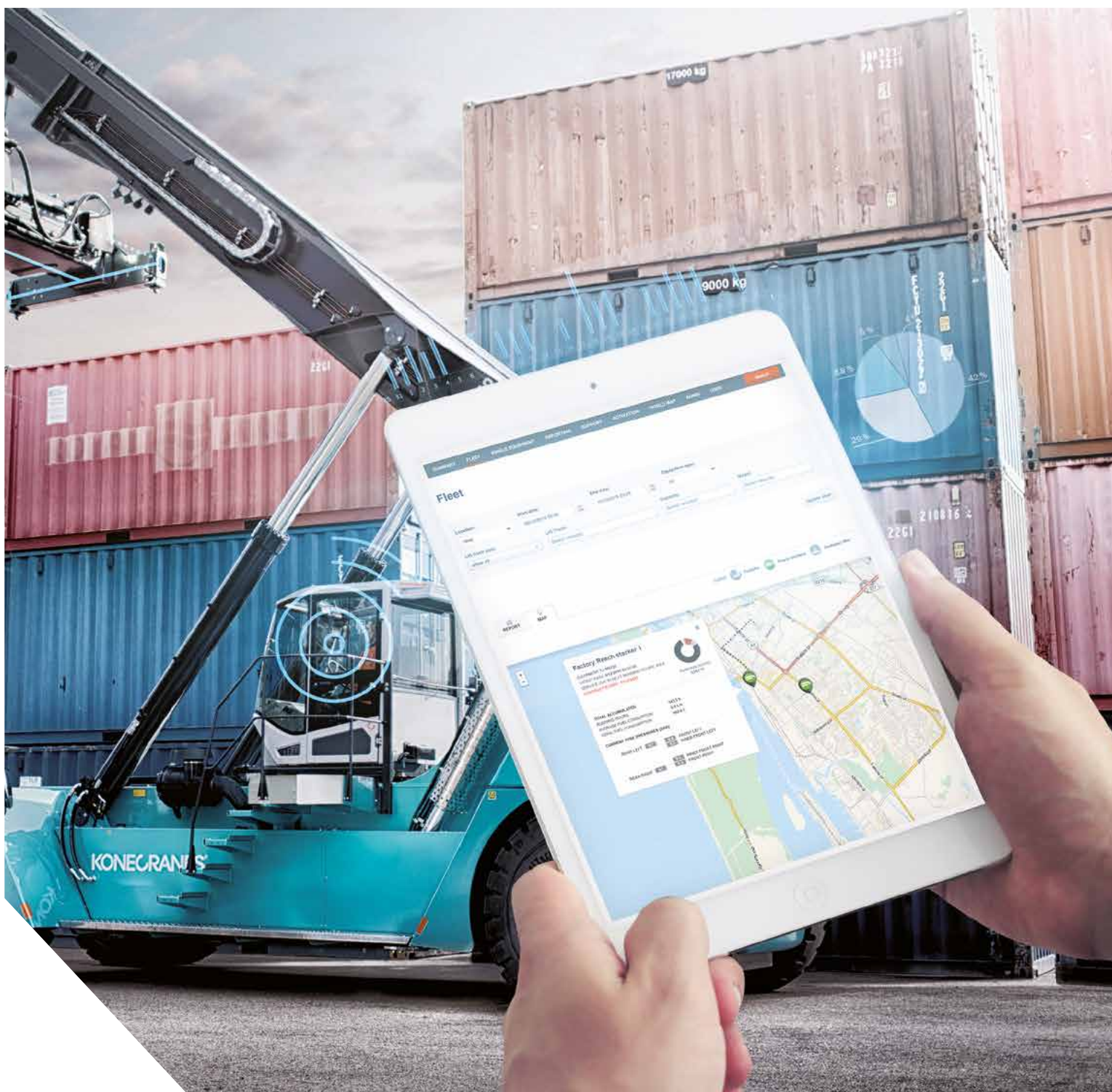
INDUSTRIAL CRANES
NUCLEAR CRANES
PORT CRANES
HEAVY-DUTY LIFT TRUCKS
SERVICE
MACHINE TOOL SERVICE

TRUCONNECT® REMOTE

KONECRANES®
Lifting Businesses™

TRUCONNECT® REMOTE SERVICE

OPTIMIZE YOUR LIFT TRUCK OPERATIONS AND MAINTENANCE







A TOOL THAT GIVES CONCRETE DATA ON YOUR LIFT TRUCK

Konecranes TRUCONNECT is a suite of Remote Service products ranging from periodic data reporting to real-time diagnostics, technical support and monitoring. In order to deliver TRUCONNECT, Konecranes has connected data, machines and people. We provide you insights that allow you to optimize your lift truck's operations and activities.

SMART, CONNECTED LIFT TRUCKS

TRUCONNECT Remote Monitoring uses sensors to gather usage data – running time, motor starts, work cycles and brake condition. Alert notifications of events such as emergency stops or over temperature, can be sent by SMS or email.

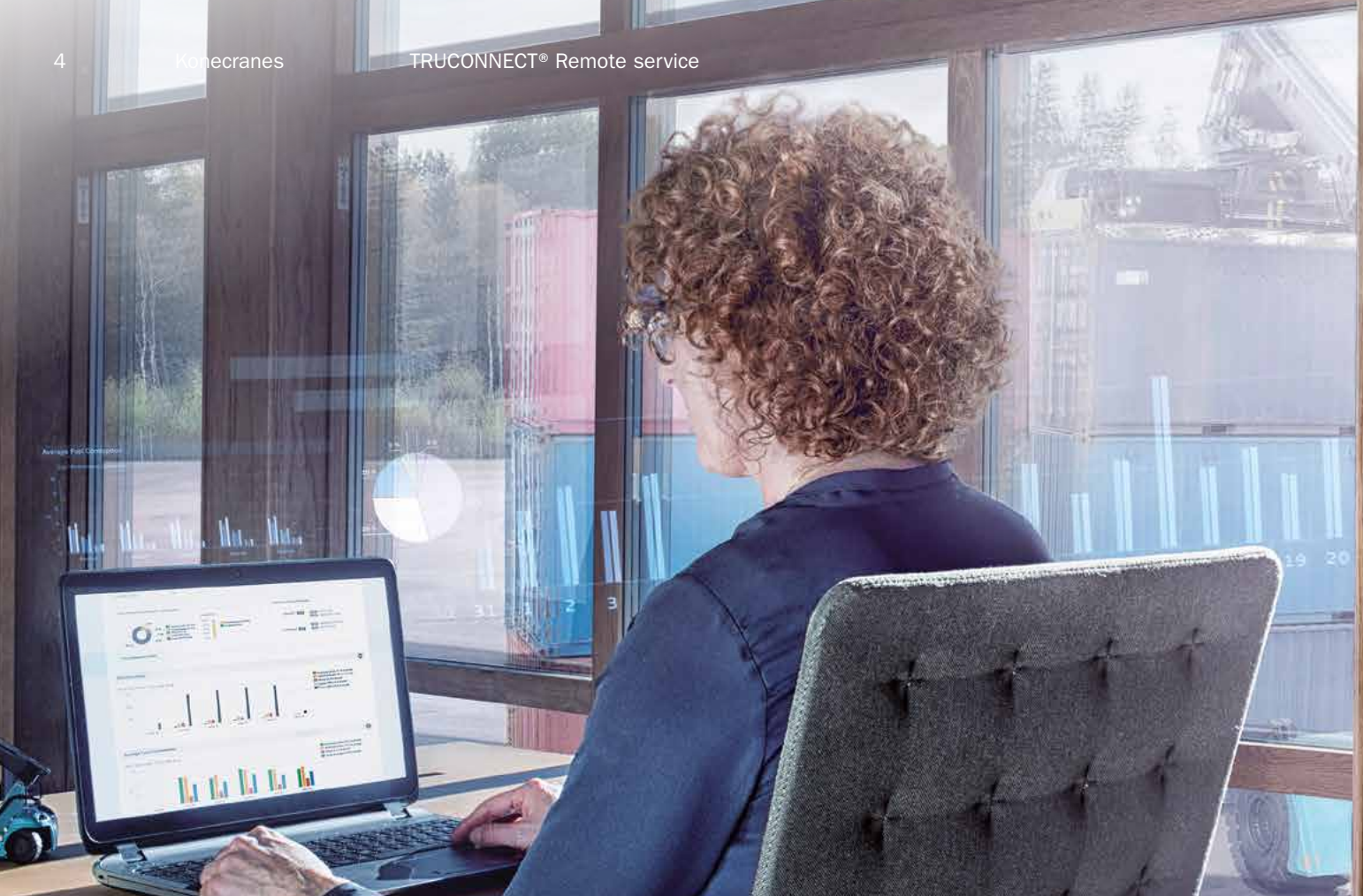
ALL DATA IN ONE SYSTEM

All TRUCONNECT information is in the palm of your hand. You will get 24/7 access to our password protected customer portal for online views and reports. Aggregated data can quickly be viewed, analyzed and shared, for a single asset or an entire fleet.

OPTIMIZE OPERATIONS AND MAINTENANCE

Remote monitoring is a key towards a more productive, efficient and safe workplace. With TRUCONNECT, you get more out of your lift trucks. It helps you optimize various aspects of your operations and maintenance.

- Lift truck utilization
- Productive profitability
- Safety planning
- Maintenance planning and prioritization
- Operator training



TRUCONNECT® REMOTE MONITORING

TRUCONNECT Remote Monitoring uses sensors to collect data providing an insight to the lift truck usage. It collects data through a condition monitoring unit installed on your Lift Truck. The data is transmitted to the Remote Data Center, where it is compiled and made available on our customer portal around the clock. TRUCONNECT also sends alerts to designated personnel by means of notifications sent by email and/or text message regarding selected occurrences; allowing for prompt response and actions.

TRUCONNECT provides you with data, for example, about:

- **Actual usage data:** machine status, driving hours, traveling distance, traveling speed
- **Efficiency information:** fuel consumption, running modes, total load lifted
- **Safety related issues and truck specific faults:** override and overloads, drop in engine oil pressure, shock sensors
- **On-time maintenance data:** next maintenance counter, drivetrain and truck diagnostics

BENEFITS

- Gives you a clear view how your lift trucks are being used based on selected variables
- Informs when your lift trucks have been in use, idling or off-duty
- Helps you identify where operator training could improve the everyday safety and productivity of your work site
- Around the clock access to the information gives your possibility to react safety issues when they occur
- Gives you transparency of your lift trucks' maintenance operations



REAL-TIME DATA FOR MAKING MEANINGFUL DECISIONS

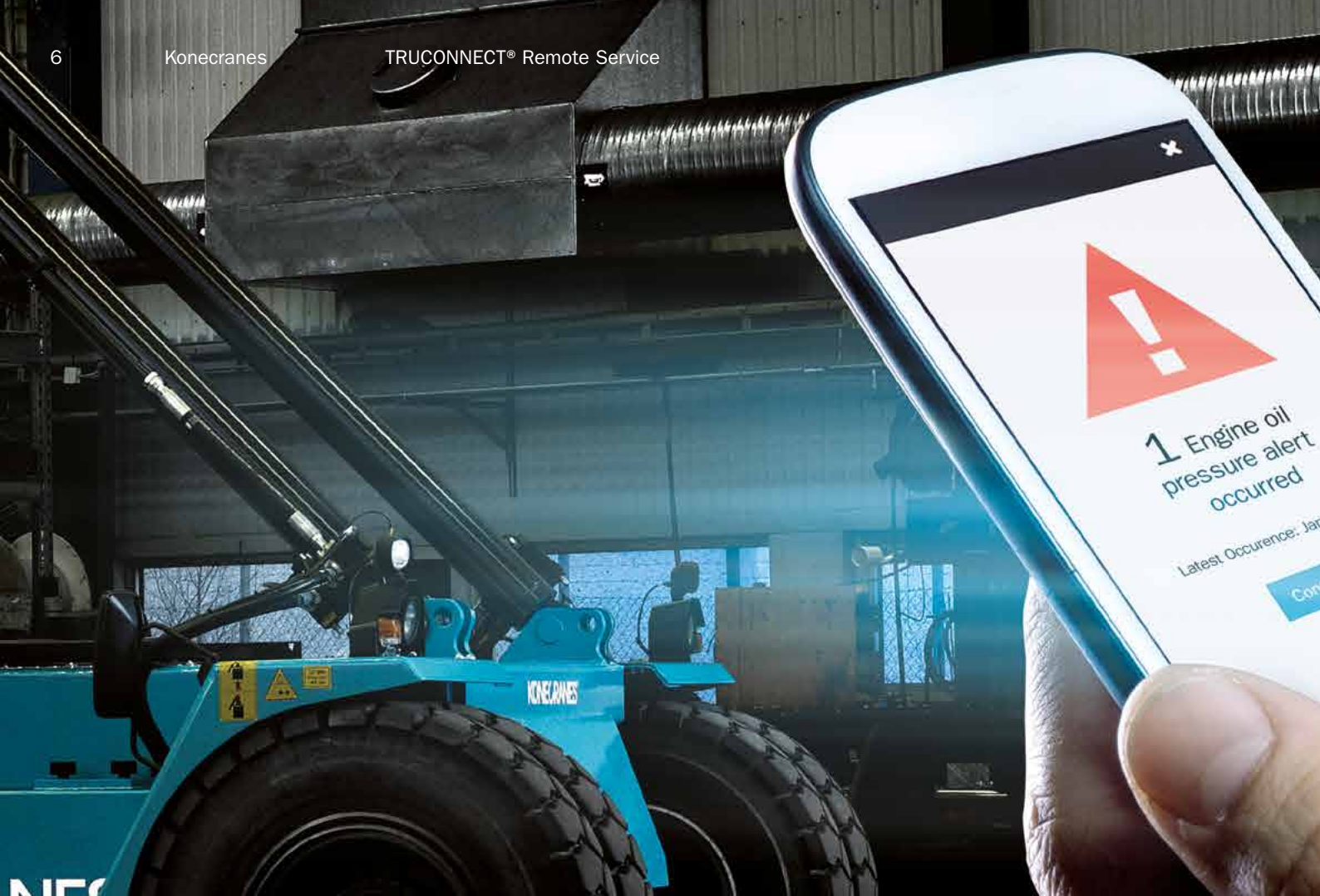
Comprehensive usage data available anytime and every day helps you take actions that make lifecycle costs lower and decrease downtime. TRUCONNECT provides you information to make your operations more efficient and increase accountability. You can even detect truck-specific faults or other safety-related issues, and plan preventative as well as on-time maintenance actions with increased confidence and precision.

With TRUCONNECT data you can:

- Optimize your lift truck operations and productivity
- Manage and track the efficiency of your fleet
- Improve the safety and performance of your lift trucks
- Forecast the estimated maintenance date
- Plan and schedule maintenance based on actual usage
- Enhance driver performance and identify training needs for more economical and ecological driving

BENEFITS

- **Insight of the productive use of your truck fleet**
- **Valuable data on efficiency-related issues leads to higher productivity and lower OPEX**
- **Safer lift truck usage and work environment**
- **On-time maintenance data for better accountability and higher uptime**



CUSTOMER PORTAL

TRUCONNECT usage data is viewable on our cloud-based customer portal. Usage data, maintenance data and asset details are linked, giving a transparent view of events and activities over any selected time interval. Aggregated data can quickly be viewed, analyzed and shared. To take a closer look at the information regarding your fleet, you can also export PDF and Excel reports from the system. Insights can be produced by observing anomalies, patterns and trends, helping you to make decisions based on facts.

ANOMALIES

Anomalies can show up as faults, such as overloads. These events are considered abnormal and should be addressed promptly, as they occur. Knowing when an overload occurs is the first step in identifying its cause.

PATTERNS

Patterns help reveal relationships between variables. For example, operator training may reduce human error downtime. Recurring alerts such as overheats indicate where changes or replacements in equipment or processes may be appropriate.

TRENDS

The study of trends can help prioritize corrective action and investments. Analyzing data behavior over time makes predictive maintenance increasingly feasible.





TRUCONNECT IS AVAILABLE TO YOUR WHOLE LIFT TRUCK FLEET

TRUCONNECT can be retrofitted to Konecranes lift trucks delivered after 2005 with IQAN MDL. We offer you three TRUCONNECT service packages.

- TRUCONNECT® Basic
- TRUCONNECT® Premium
- TRUCONNECT® Premium+

TRUCONNECT DATA AVAILABLE ON ANY WEB-ENABLED DEVICE 24/7

Information is organized into easy-to-read graphs and charts in a single location, showing TRUCONNECT operating statistics and alerts. Simple, yet informative charts and tables give you a clear view of your entire fleet in a single glance.

To avoid unnecessary downtimes, you can make customizable alert messages and notifications of events, such as overloads and overheating which can be sent directly to the right person by SMS or email. The portal offers data archiving and retrieval options, including document uploads and electronic reports suitable for printing.





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Konecranes is a world-leading group of Lifting Businesses™ offering lifting equipment and services that improve productivity in a wide variety of industries. The company is listed on Nasdaq Helsinki Ltd (symbol: KCR1V). With approximately 12,000 employees at 600 locations in nearly 50 countries we have the resources, technology and determination to deliver on the promise of Lifting Businesses™.

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SEE MORE INFORMATION AND A VIDEO ON
TRUCONNECT®**

<http://bit.ly/truconnect-for-lifttrucks>



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