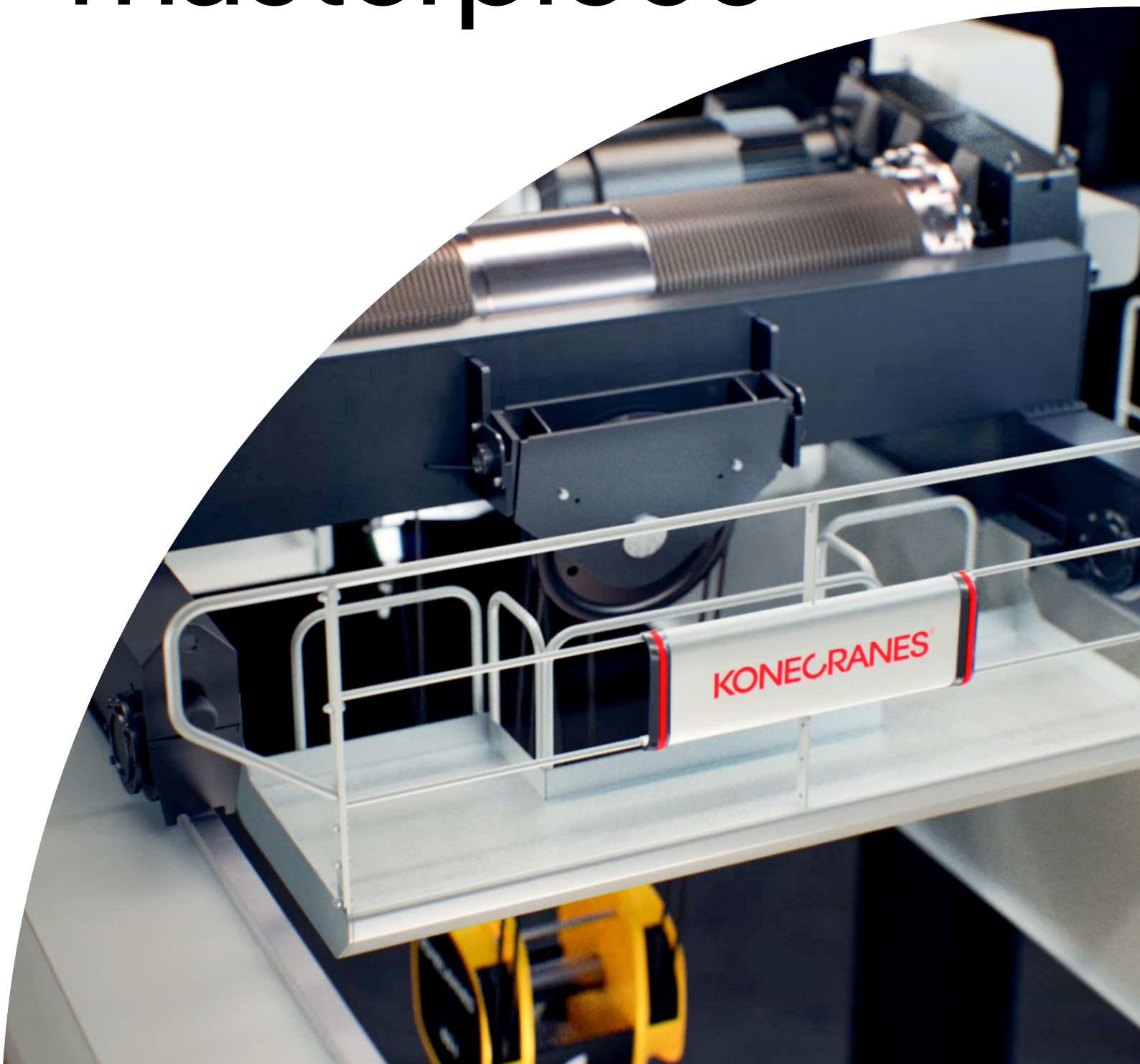
Modular masterpiece



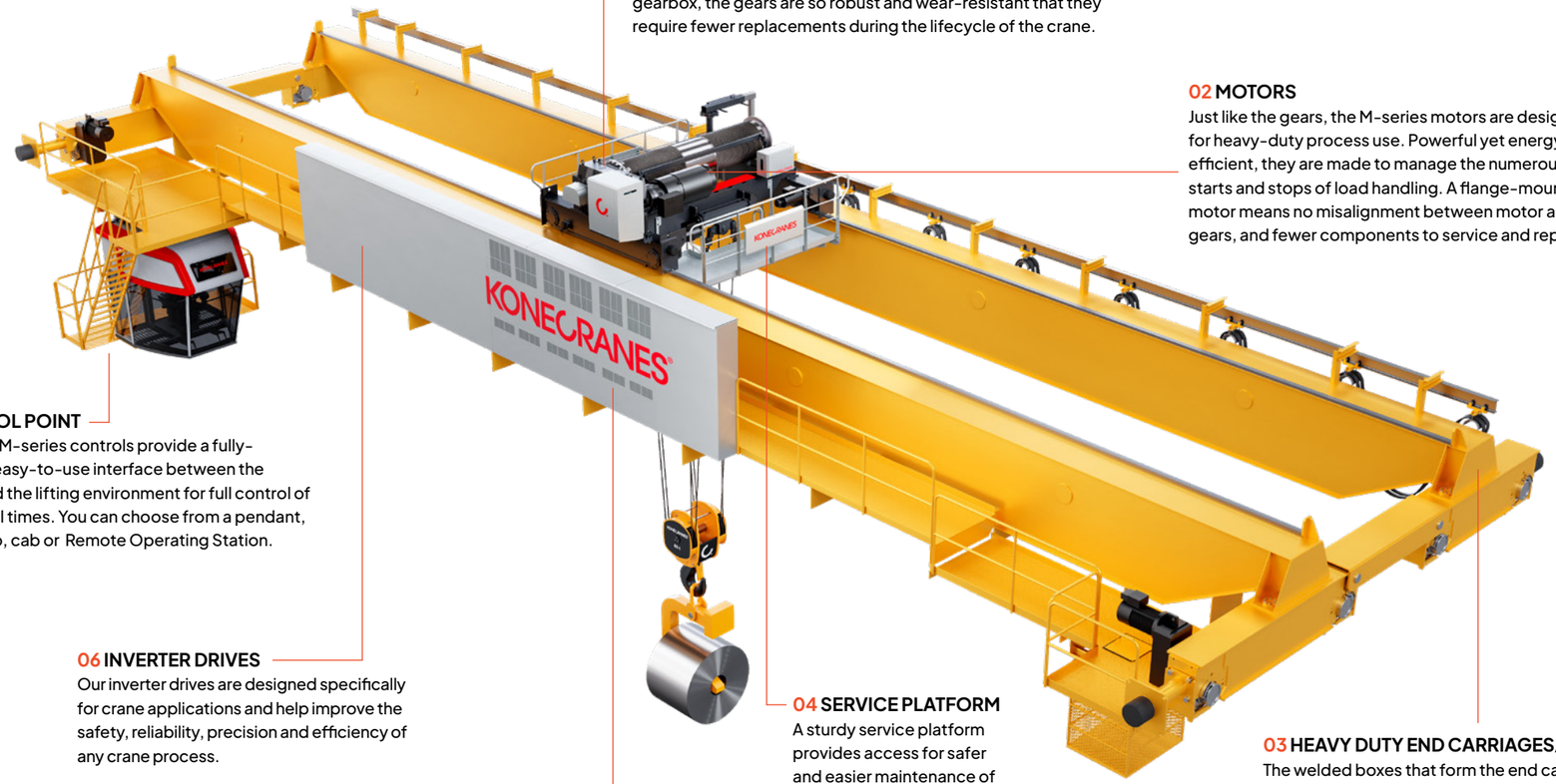
Heavy process lifting redefined

The Konecranes M-series is a modern, compact open winch crane that can easily handle all your heavy-duty lifting needs. Built with our Core of Lifting components, the modular design can adapt to almost any production process. The M-series delivers reliable performance and is designed for up to 2 million duty cycles.

Based on cutting-edge design, secure connectivity and ease of use, the Konecranes M-series is packed with options to help optimize your material flow and give you a sustainable, long-term return on investment in your operations.

Work smarter
Integrated Smart Features give you greater control of material handling in your production processes. From the moment operators take charge of the crane, their work gets easier. Lifting becomes more efficient due to shorter load cycle times, helping increase productivity.

You can also take advantage of automation because our modern digital platform allows you to fully automate the M-series and integrate it into plant-level systems. Automation improves process speed, quality, and ultimately, the efficiency of your production processes.



01 GEARS
We designed the M-series gears specifically for heavy-duty process use and the gearbox-motor combination is built for crane movements at high speeds. Hardened and ground to meet the strictest quality requirements and housed in a fully-integrated gearbox, the gears are so robust and wear-resistant that they require fewer replacements during the lifecycle of the crane.

02 MOTORS
Just like the gears, the M-series motors are designed for heavy-duty process use. Powerful yet energy efficient, they are made to manage the numerous starts and stops of load handling. A flange-mounted motor means no misalignment between motor and gears, and fewer components to service and replace.

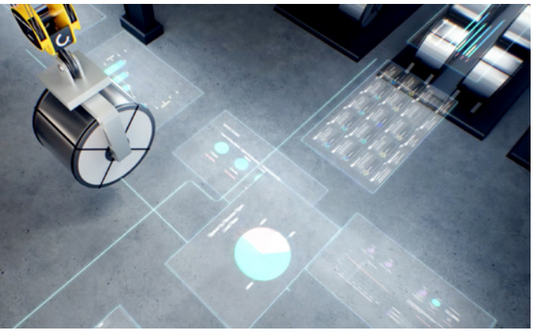
03 HEAVY DUTY END CARRIAGES/TRUCKS
The welded boxes that form the end carriages give extra strength and rigidity to the crane structure.

04 SERVICE PLATFORM
A sturdy service platform provides access for safer and easier maintenance of the trolley components.

05 SAFETY FUNCTIONS
Integrated safety functions like hoist overspeed supervision, hoist brake opening supervision, and hoist brake slip supervision help enable safe operation.

06 INVERTER DRIVES
Our inverter drives are designed specifically for crane applications and help improve the safety, reliability, precision and efficiency of any crane process.

07 CONTROL POINT
Konecranes M-series controls provide a fully-integrated, easy-to-use interface between the operator and the lifting environment for full control of the load at all times. You can choose from a pendant, remote radio, cab or Remote Operating Station.



The power of data

The Konecranes M-series comes with TRUCONNECT Remote Monitoring to provide real-time crane condition and usage information giving you the visibility you need to fully understand the day-to-day use of your cranes.

Your TRUCONNECT data combined with inspection and maintenance information can help you make informed decisions on maintenance, safety concerns, productivity, training, and service and equipment investments.

Core of Lifting: Experience in action

The design of the Konecranes M-series crane is backed by more than 80 years of crane and industry expertise. We design and manufacture the key components of our equipment—gears, motors and controls—specifically for crane use and lifting motions. These components work seamlessly together as the Core of Lifting.

Konecranes M-series crane specs

FEATURES	SPECIFICATIONS
Lifting capacity	Up to 70 tons with one trolley Up to 140 tons with two trolleys
Span	Up to 45 meters
Lifting height	Up to 35 meters
Runway length	No limit
Hoist speed control	Inverter hoisting with Extended Speed Range (ESR)
Crane control options	Radio remote control with tablet, cabin or Remote Operating Station
Girder design	Box girder
Trolley supply	Flat cables or energy chain
Compliance	EN A6 to A9/ CMAA class D, E & F
Certifications	CE, RoHS, CSA
Temperature range	-20° C to +60° C
Environment	Indoor or outdoor
Standard features	• Hardened trolley and bridge wheels to 45–55 Rc • Hoist brake is 200% motor torque as standard for safety • Condition monitoring unit
Integrated safety functions	• Hoisting safety limit switch • Overload protection • Hoisting motor thermal protection • Hoist overspeed supervision • Hoist brake opening supervision (with SCM) • Hoist brake slip supervision (with SCM)
Integrated Smart Features	• Extended speed range (ESR) • Load Floating for hoisting • Shock Load Prevention

Ergonomic and intuitive crane controls

Radio controls

Radio controls allow operators to move freely and choose the safest place to operate the crane. M-series radios have easy-to-use push buttons and joysticks for improved load control. An optional integrated tablet provides crane performance parameters, Smart Feature options and camera views to elevate the user experience.

Cabin

Below the main girder of the crane, with windows on all sides, a cabin provides operators with a clear view of the working area. It offers comfortable seating, easy access to controls and low vibration. A tubular design maximizes strength, rigidity and durability.

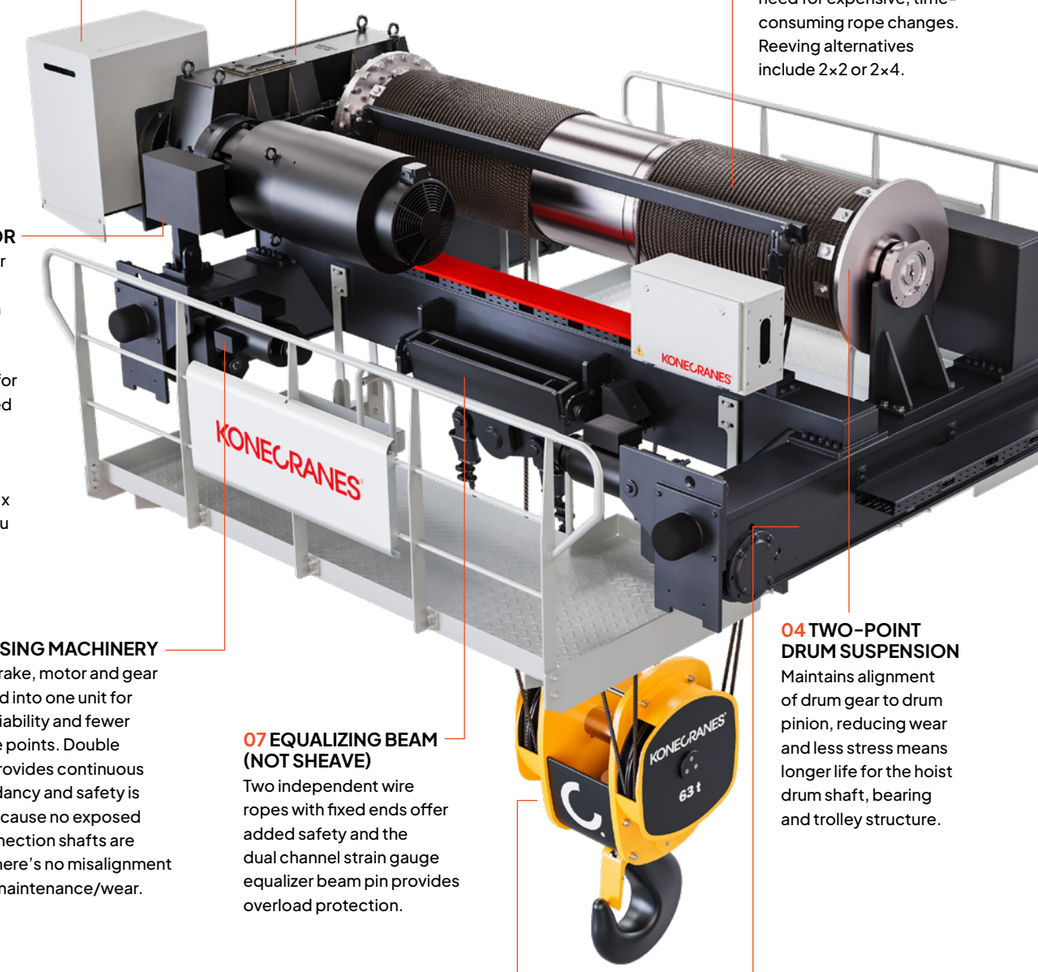
Remote Operating Station

A Remote Operating Station features the same controls as a cabin, but allows the crane to be controlled away from its operating area, without a direct line of sight to the crane structure. It provides a fully-functional and ergonomic work area to help improve safety, work conditions and overall efficiency.

01 THRUSTER DISC BRAKE
200% motor torque—best in industry—is ideal for heavy-duty process use. Its use as a holding brake instead of a working brake helps minimize service needs.

02 HOISTING GEAR
The drum coupling doesn't require maintenance and the drum is removable without opening or removing the gearcase. High quality gears—Grade 6 DIN 3967/AGMA Quality Class 11—are hardened and grounded for longer life.

03 ROPE DRUM
Double-rope reeving gives you true vertical lift and no reverse bending and fewer rope falls mean longer rope life and less need for expensive, time-consuming rope changes. Reeving alternatives include 2×2 or 2×4.



09 HOISTING MOTOR
Flange-mounted motor provides accurate and positive alignment with the drum gear, and no wearing of couplings. The motor is designed for cranes and dimensioned to handle numerous starts and minimize energy consumption. The high ESR speeds (2 x nominal speed) give you faster cycle times.

08 TRAVERSING MACHINERY
Integrated brake, motor and gear are combined into one unit for improved reliability and fewer maintenance points. Double machinery provides continuous semi-redundancy and safety is improved because no exposed rotating connection shafts are needed so there's no misalignment or coupling maintenance/wear.

07 EQUALIZING BEAM (NOT SHEAVE)
Two independent wire ropes with fixed ends offer added safety and the dual channel strain gauge equalizer beam pin provides overload protection.

04 TWO-POINT DRUM SUSPENSION
Maintains alignment of drum gear to drum pinion, reducing wear and less stress means longer life for the hoist drum shaft, bearing and trolley structure.

06 COMPACT HOOK BLOCK
Sheaves parallel with drum axis eliminates rope reverse bending to improve wire rope life and a safety hook latch trigger comes standard.

05 HARDENED WHEELS
Wheel hardness 45–55 HRC (419–552 HB) is standard for longer life. Welded box section end carriages for heavy duty use – not rectangular tube structure.

A great fit in a range of applications

The Konecranes M-series is a highly flexible process duty crane that is an ideal choice for all kinds of tasks in all kinds of industries.

Automotive

The M-series is adaptable to almost any automotive application and can provide optimized material handling in critical processes like:

- Die handling
- Die gripper/grab (semi or fully-automated)
- Coil handling

Paper

The M-series adapts to many different paper handling applications such as:

- Automated roll storage (ASRS)
- Wet and dry end paper machine
- Reel handling

Metals production

Specialized magnets, clamps, grabs and other attachments allow the M-series to perform in the most demanding applications:

- Scrap yards
- Coil handling
- Bar handling
- Billet/ingot handling
- Plate handling
- Metal warehouse cranes

General manufacturing

Control options on the M-series crane offer high-precision load handling, while its robust and reliable performance helps maintain a constant process flow through your facility.

Trolley and hook options to fit your needs

Twin hook trolley

With two hooks attached to the same drum make it easier to lift long objects such as plates, bars and billets.

Two hoists on the same trolley

With this option, the main hoist is actively used and the auxiliary hoist is used for secondary material handling purposes like rotating a load. It could also be used in applications such as die handling.

Motorized hook

Allows for loads to be rotated safely without the need for personnel to be near the lifted load.

Hook latch trigger

Allows the crane operator to have both hands free to insert or remove a load attachment from the hook, reducing the risk of injury and helping speed up the process.

Lift smart on every lift

Smart Features are software-based add-ons that can help improve safety, cycle time and load positioning through partial automation.

Intelligent lifting with Smart Features

With Smart Features operators become more efficient due to shorter load cycle times, helping increase productivity. And because the control system optimizes crane movement, your crane and its components wear more slowly, extending the life of the crane. Most importantly, though, safety improves because there is much less chance of human error.

Load control features
Smart Features such as Active Sway Control, Hook Centering and Snag Prevention can be added to your Konecranes M-series crane to help maintain steady, smooth movement for maximum load control, leading to an increase in productivity with shorter load cycle times as well as greater safety for your operators and work environment.

Area control features
Smart Features such as Target Positioning, Protected Areas and End Positioning give you more control over the working area of the crane, improving the efficiency and accuracy of load positioning by adapting the available space to the physical layout of your production line.

Default Smart Features on the M-series crane

Extended Speed Range (ESR) allows the hoist to run at up to double nominal speed, improving cycle times by up to 20% and boosting overall production volume.

Load Floating keeps the load in position after hoisting movement stops, so the brake is applied less frequently and experiences less wear. It also allows faster and smoother hoisting restart and better load control.

Shock Load Prevention gives you smooth load pickups and reduces mechanical stress by automatically reducing hoist speed if a load is picked up too fast.

Maximize reliability and performance

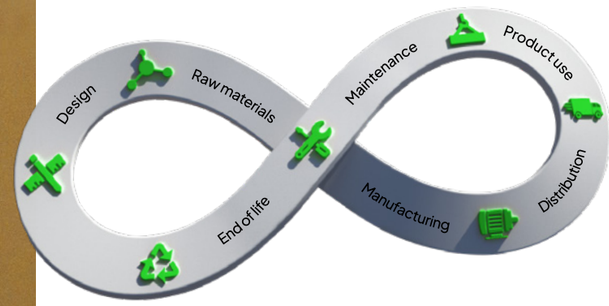
You can maximize the lifecycle value of your M-series crane—and any other crane in your fleet—with a service program that is tailored to your requirements. Regular inspections and preventive maintenance help identify risks and opportunities for improvement while supporting compliance with safety regulations.

Service programs tailored to your operations
Preventive maintenance conducted at regularly scheduled intervals can often be the most effective way to maintain and potentially extend the lifespan of your cranes. Our experts can help you build a service program—from basic inspections to a comprehensive maintenance program—tailored to your operations.

The right parts at the right time
Keeping parts in inventory, especially in process-critical operations, can further reduce downtime when performing maintenance or repairs. Our parts experts can provide you with a comprehensive parts package specifically designed according to your application and usage requirements.

Why choose Konecranes as your crane service provider?
We have the largest and most extensive service network in the industry, servicing hundreds of thousands of assets each year of all different makes and models. You get the advantage of local inspectors and technicians with access to a wealth of knowledge from around the globe.

We take a comprehensive, systematic and collaborative approach to managing your assets throughout their lifecycle. We take time to share our findings with you, provide recommendations based on our industry-leading expertise and discuss how each action impacts your operations and the entire health of your business.

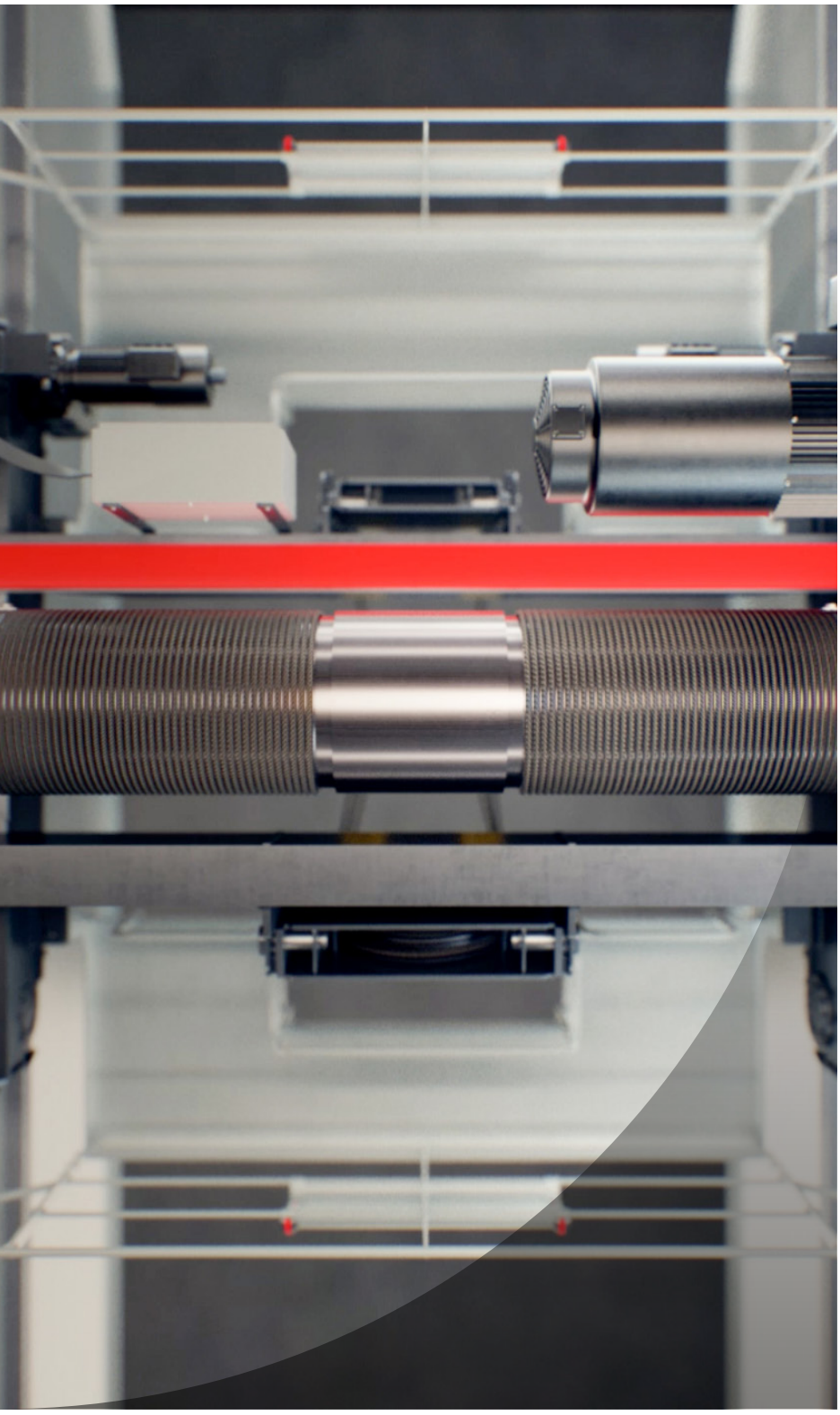


Sustainability at every stage of the crane's lifecycle

We are committed to providing sustainable solutions and services while preventing and minimizing emissions and waste. Lifecycle thinking combined with usability, eco-efficiency and safety guide us in the design of our products and services. Our aim is to maximize the lifecycle value of our products.

What makes the Konecranes M-series a good choice in terms of sustainability?

- 98% of the materials used to make the Konecranes M-series hoist are steel because it has a lower carbon footprint than metals such as copper and aluminum. Steel is also fully recyclable at the end of its life.
- Variable-speed electric drives are default in M-series cranes due to their extremely high energy efficiency.
- The M-series motors minimize energy consumption over the lifecycle of the crane.
- Specially designed regenerative braking gives significant energy savings during the lifecycle of the crane.
- LED lights help reduce the energy consumption of equipment lighting.
- Regular maintenance supports efficiency, safety and performance and extends the lifespan of the crane.
- Predictive maintenance and Remote Monitoring provide vital information for optimal maintenance planning and component replacement and helps reduce downtime.



Konecranes is a global leader in material handling solutions, serving a broad range of customers across multiple industries. We consistently set the industry benchmark, from everyday improvements to the breakthroughs at moments that matter most, because we know we can always find a safer, more productive and sustainable way. That's why, with around 16,600 professionals in over 50 countries, Konecranes is trusted every day to lift, handle and move what the world needs. In 2023, Group sales totaled EUR 4.0 billion. Konecranes shares are listed on Nasdaq Helsinki (symbol: KCR).

KONECRANES Moves what matters.