

KALMAR E-ONE
UNCOMPROMISING, GREEN AND PRODUCTIVE





Don't compromise your terminal performance

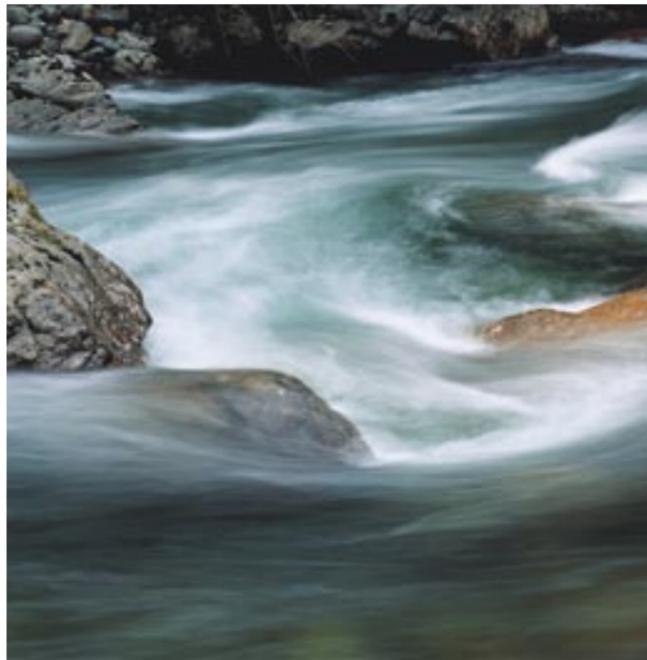
Let's be honest. Sometimes there's a conflict between increased productivity and environmental concerns. But not this time. E-One comes with package of proven all-electric components to boost your overall performance and, at the same time, reduce your impact on the local and global environment. An uncompromising green competitive advantage.

A maintenance interval of 1,000 hours for both crane and engine is by far the longest in the industry.

E-One can provide fuel savings with up to 30% using brand new intelligence for RTG movements.

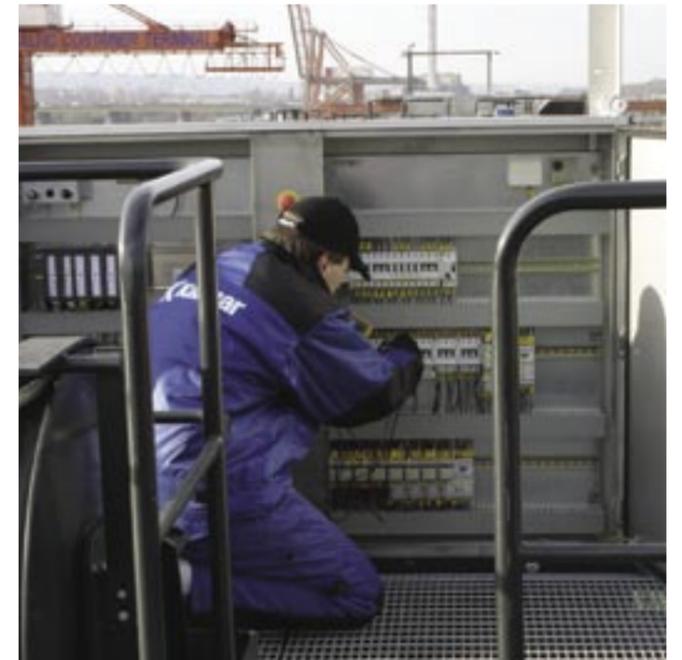
The FULL CONTROL™ all-electric load stability control system enables the crane operator to become more productive.

E-One is ready to meet not only the toughest environmental standards on pollution, discharges, noise, safety and working environment but also the toughest requirements on productivity, reliability and cost efficiency.



Hydraulics is History

E-One is equipped with a low-emission diesel engine and all-electric trolley, wheel turning and spreader. An all-electric concept without the need for hydraulics. It means that parts are easy to access and fewer components than ever require maintenance.



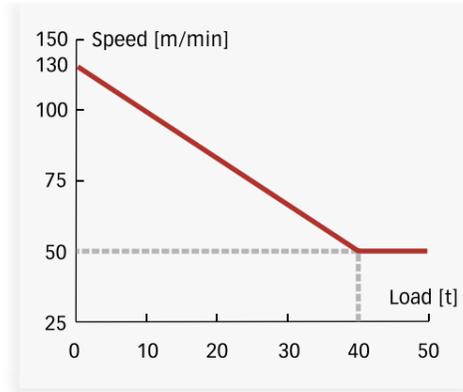
All-electric Gantry

The wheel bogies are equipped with a sturdy direct drive that requires less maintenance than the older chain driven models.

The wheel turning is performed by an electric motor without separate wheel position locking mechanisms. This will minimise the need for maintenance compared with conventional RTGs.

Gantry speed can be adjusted according to load under the spreader for improved operations and reduced fuel consumption.

The E-One range includes 16-wheel models with either a widespan or short wheel base. All with single sided yokes to make it easier to change tyres.



Gantry speed depends on load under spreader

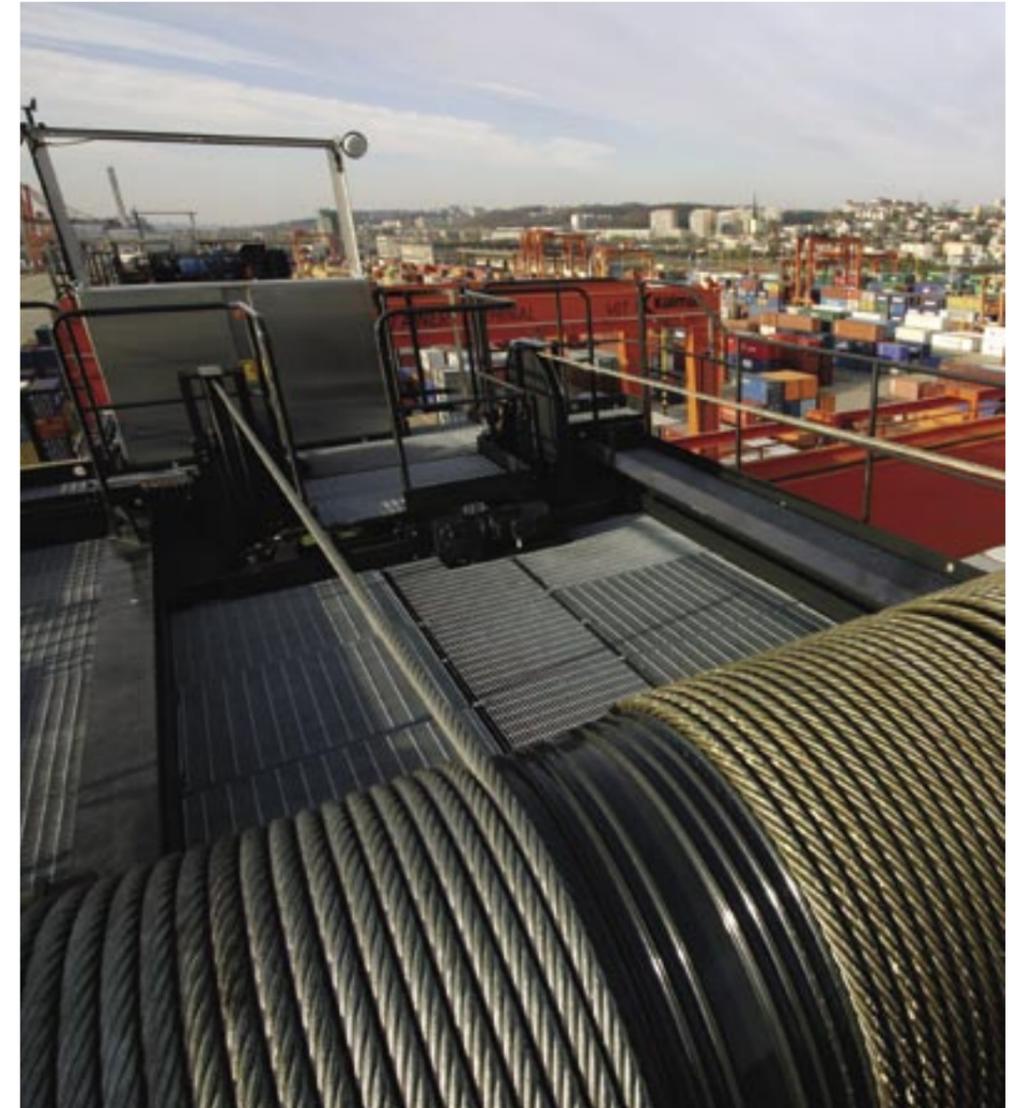
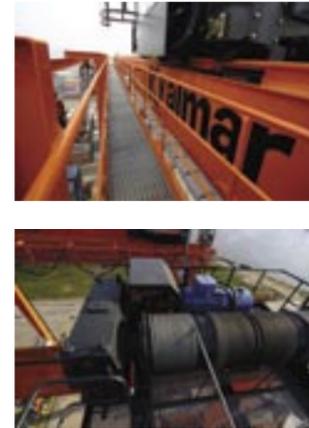


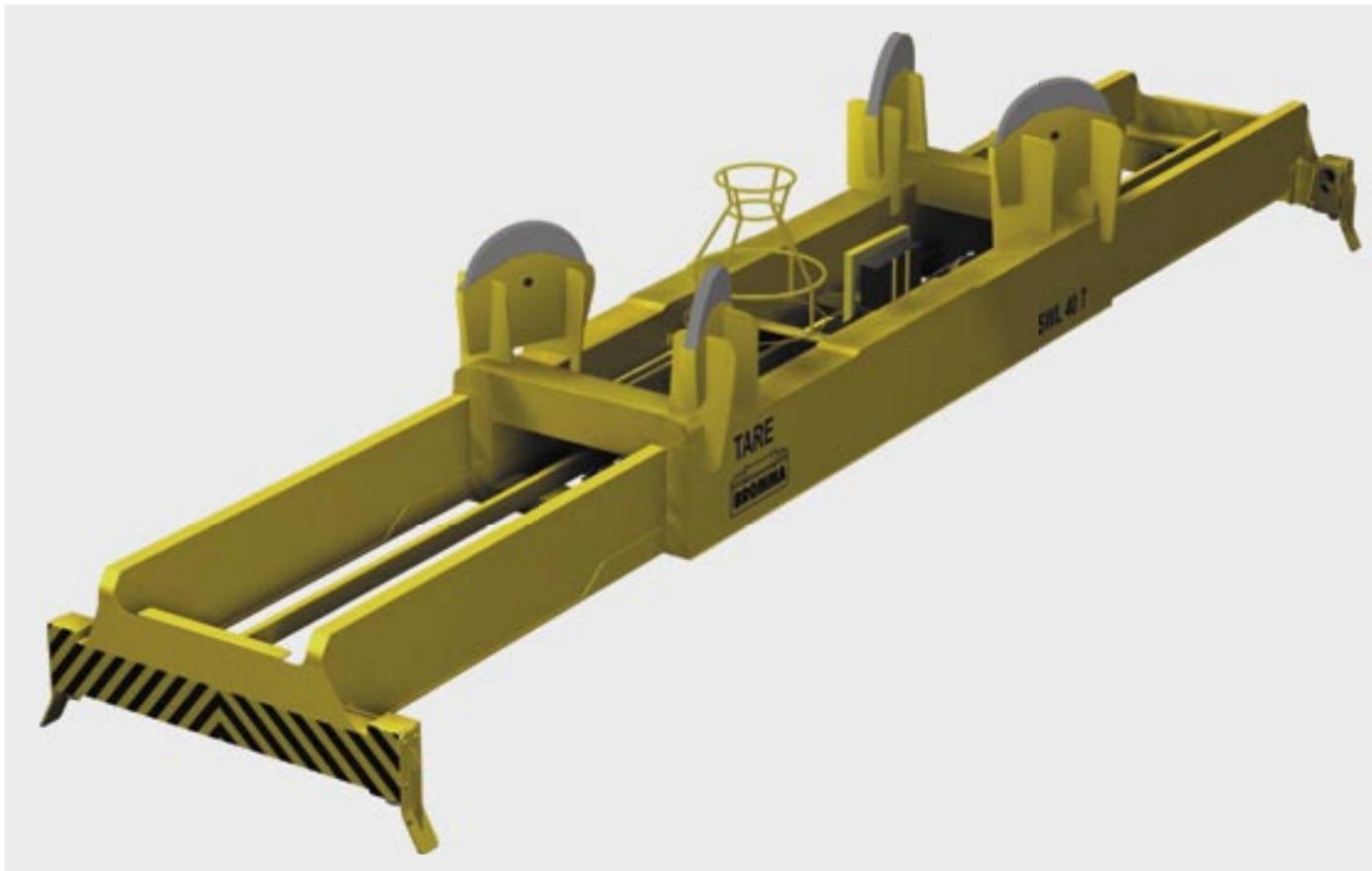
Hoist speed depends on lifted load

All-electric Trolley with POSITIVE DRIVE™

The all-electric trolley is a safe single-level design with easy access to all components and POSITIVE DRIVE™ on both sides of the trolley to prevent diagonal movement or sliding. This leads to better performance than with friction-based traction systems since downtime related to trolley movements are eliminated.

Hoist speed can be adjusted according to load under the spreader to increase operational efficiency and reduce fuel consumption and a single hoist drum guarantees safe handling, especially for eccentric loads and twinlifting operations.

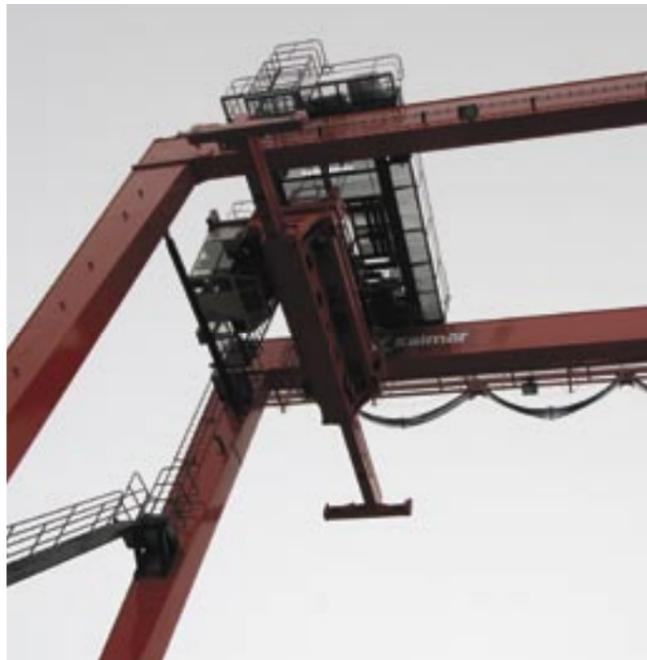




All-electric Spreader

The ratio between lifting capacity and weight is one of the real challenges in spreader design. The E-One is fitted with an all-electric spreader manufactured by Bromma. The spreader's reeved-in design means less weight and reduced load with considerable fuel savings as a result.

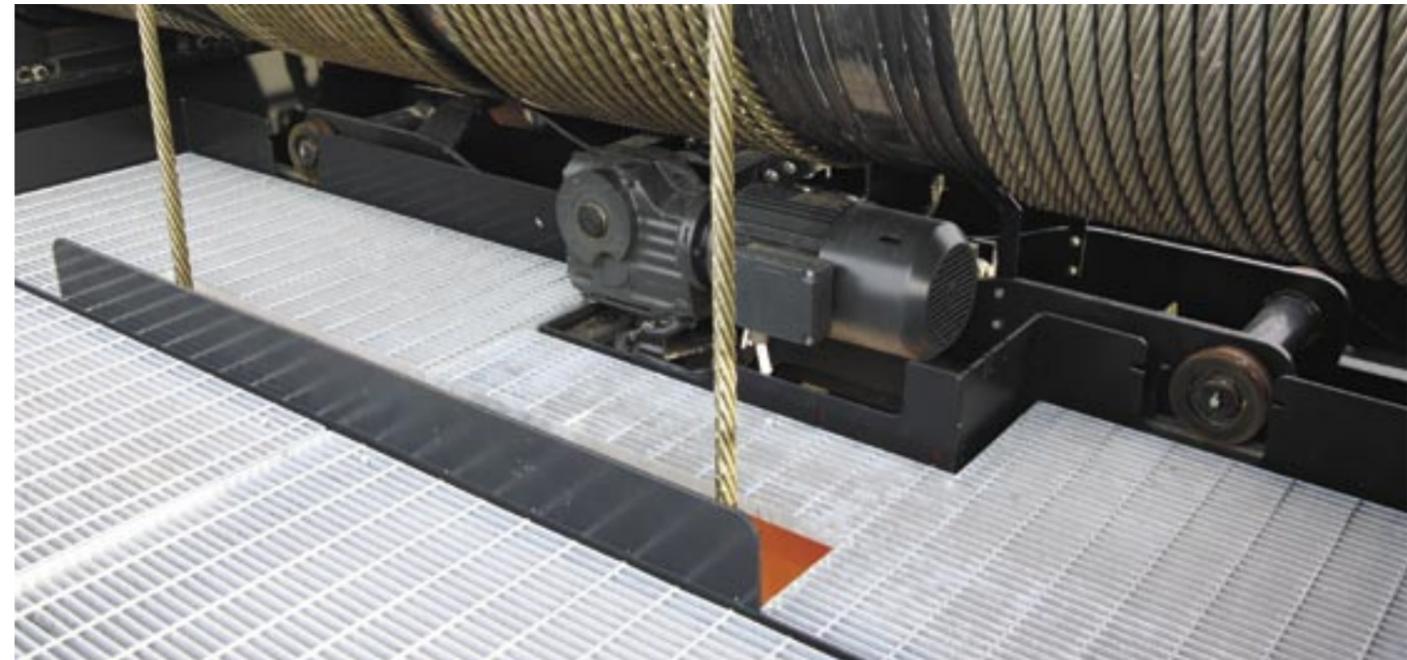
Micromovements are joystick-controlled and provide +/- 5 degree skewing with an optional +/- 5 degree trim. Both all-electric with automatic centering which further contributes to reliability and operator efficiency.



Load Stability with FULLCONTROL™

FULL CONTROL™ is an all-electric load stability control system to prevent both primary and secondary sway. The PLC-controlled sway prevention system requires no additional maintenance components. The operator can, with the push of a button, stabilise the spreader for easy and precise manoeuvrability in windy conditions which could otherwise hamper operations considerably. The system enables higher stacking of containers which, in turn, means further benefits in economy. The all-electric antisway and stabilizer require less maintenance because, unlike conventional hydraulic-based systems, fewer components are needed.

The FULL CONTROL™ stabilizer can also be retrofitted to older Kalmar RTGs.



Excellent Ergonomics

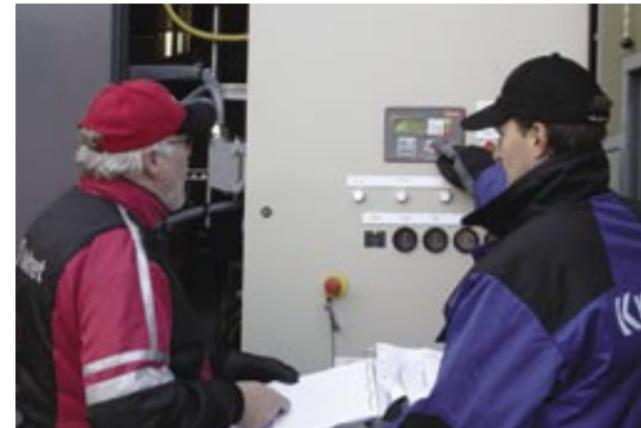
The spacious, ergonomic driver's cabin with excellent all-round visibility makes container handling easy for the operator. All the required routine functions are integrated in the joystick to speed up operations. The occupational health and comfort for the driver can be further increased with an optional elevator.



Your performance is our number one target

Integrated Intelligence with Smartrail®

Smartrail® is a GPS based automatic steering and container position verification system developed by Kalmar for RTGs. The automatic steering guides the crane along virtual tracks while the container position verification can keep track of all containers in the terminal. Smartrail® is a reliable and proven technology used in over 150 RTGs around the world. You can increase the productivity of the crane with up to 20% using Smartrail®.



Training

Kalmar operator and service training is included in the delivery and combine both theory and practice under skilled supervision. Your mechanics can participate in the assembly of the crane to gain valuable hands-on experience. Kalmar provide several additional training packages either on-site, at our training facilities or even hire an experienced operator for an agreed period of time to train your operators and maintenance personnel.



Kalmar Parts

Kalmar is an experienced partner who can provide fast and reliable spare parts delivery throughout the world. You can improve your availability with someone who understands your requirements and delivers high quality original parts. Our service network can offer more than 50,000 spare parts for immediate delivery – everything from large engines to the smallest electronic parts.



Fleet Management

Kalmar offers complete fleet management services to meet your particular handling requirements. Our services include everything from leasing a complete fleet of equipment including maintenance to providing operators for your equipment. You should be able to focus on your core business. Our experts stand by to ensure reliable performance and reduced downtime.

Kalmar Industries



Lifetime Business Partner

Kalmar is a global provider of heavy-duty materials handling equipment and services to ports, terminals and industrial users. We supply handling solutions that enable our customers to operate with a high level of efficiency and reliability. Every 4th container or trailer transfer at terminals around the world is today handled by a Kalmar machine.



Global Reach

Kalmar product supply centres are located in Finland, Sweden, Malaysia, the Netherlands and the United States. Our global network includes more than 10 sales companies and over 150 dealers. Today, more than 65,000 Kalmar machines are operating in environments ranging from sub-zero arctic climates to tropical humidity and heat. Our global experience in combination with understanding local conditions enable us to serve customers in every corner of the world.



Expect More Than the Ordinary

Kalmar enables customers to focus on their core business by offering more flexibility and help make the shift from equipment ownership to availability. Our customer support services include spare parts, field service, financial solutions, service packages, refurbishing, upgrades and complete fleet management. Kalmar can facilitate better equipment performance and continuous innovation that will have a significant impact on your operational revenue growth.

