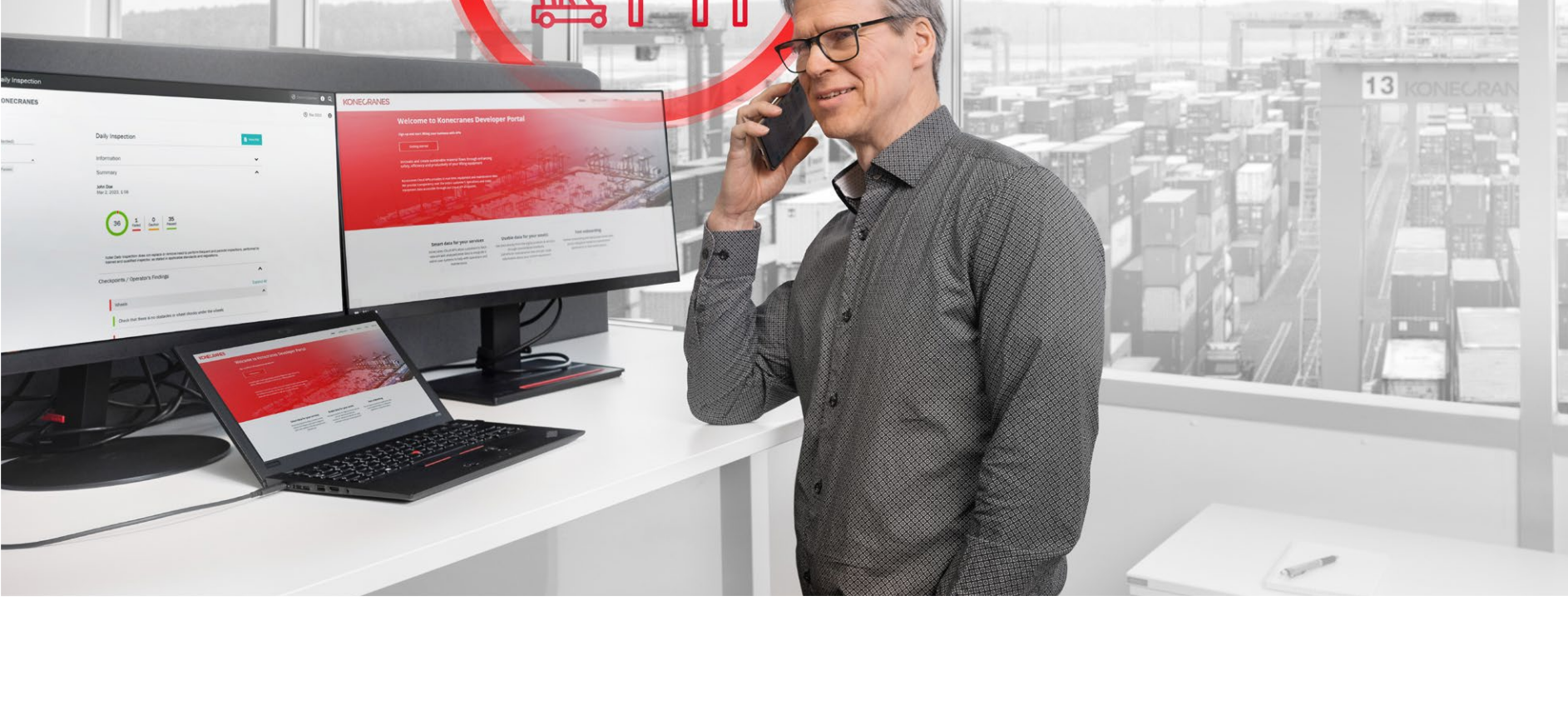


Path Optimization Retrofit

System calculates optimum trolley-hoist trajectory for improved fuel efficiency, cycle times and safety.

Adapt and thrive

Konecranes is the premier port services provider to brownfield terminal developments. Our range of retrofit products will enable your fleet to adapt to a fast-changing environment. Welcome to your evolution.



Supporting operators for safer, smoother RTG performance

RTG operators manage a demanding mix of tasks every shift—precise steering, accurate container placement, constant TOS updates, and full awareness of traffic and safety zones. It's a high-skill job that naturally creates mental fatigue over time.

Our Operator-Assisting retrofits lighten that load by taking over the steering work. Operators stay fully in control of every critical decision, while the system handles the repetitive strain—helping them stay focused on what they do best: safe, confident, accurate container handling.

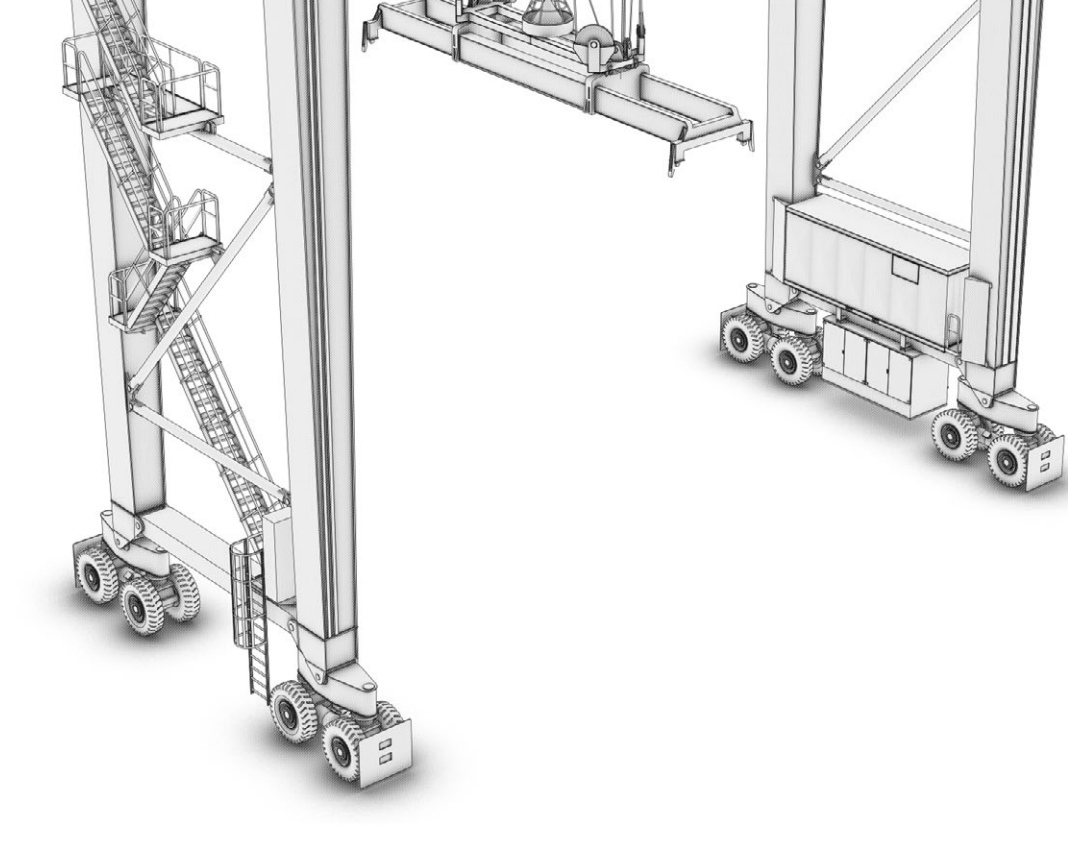


Benefits

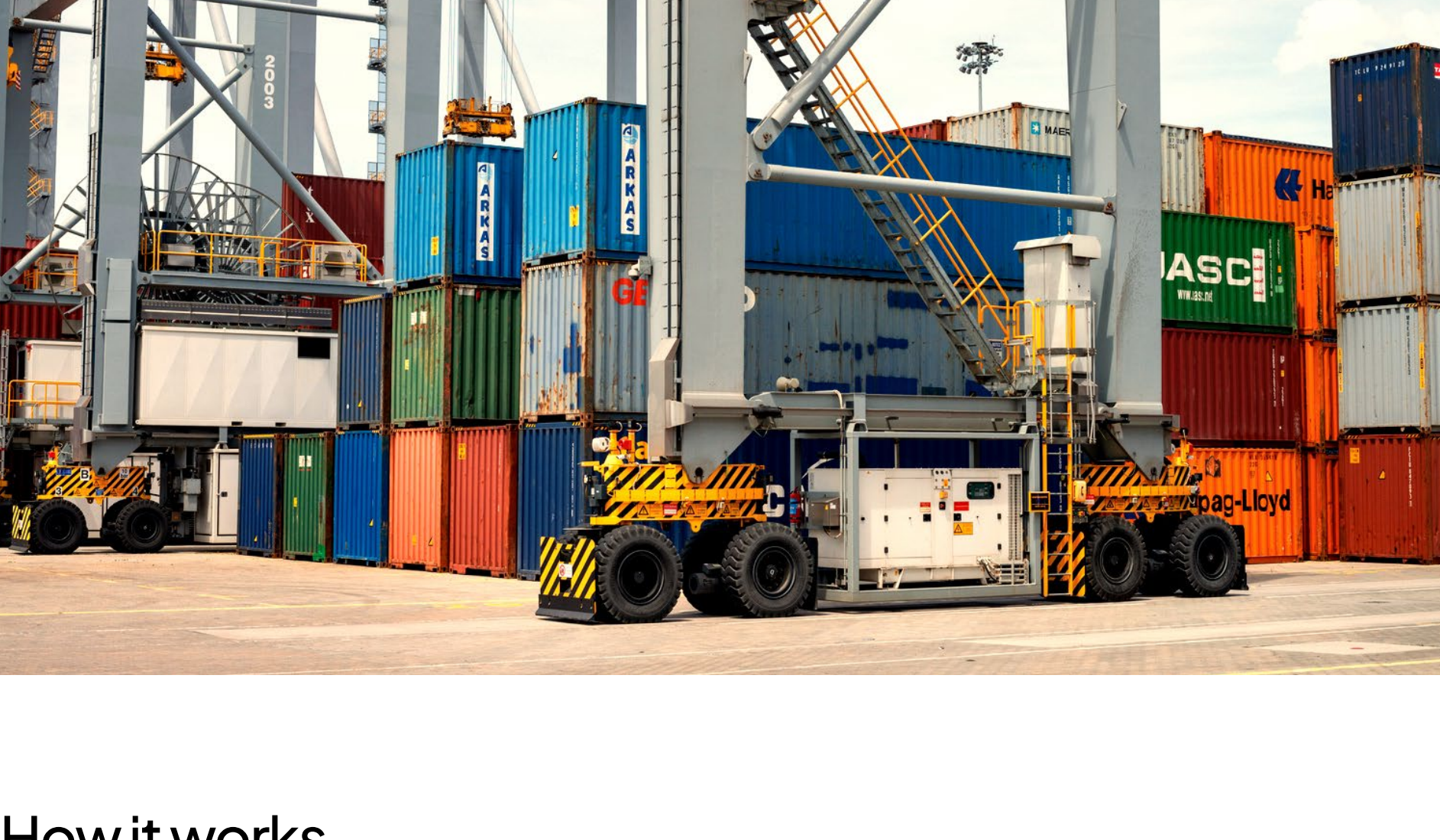
- Energy consumption can be reduced
- Cycle times are improved
- System prevents collision with stacks and guides container along the shortest route
- Semi-automated: all stacking operations, i.e. picking and placing containers, is still handled manually.

AB
Any Brand

This technology can be applied to all Konecranes RTGs as well as to other RTG brands. Installation of laser sensor and PLC connection may vary when implementing system to other RTG brands. TOS Reporting and Stack Collision Prevention retrofits are a prerequisite.



RTG
Rubber-Tired Gantry Crane



How it works

- Path Optimizing system receives its target slot from the TOS
- Operator presses a foot pedal in the cabin
- Gantry is moved to the target bay
- Trolley and hoist are moved above the target using optimal trajectory based on Stack Collision Prevention
- Hoist is stopped approx. 1.5 meters above the target
- Operator loads/unloads the container manually

What you need to know

- TOS Reporting and Stack Collision Prevention retrofits are a prerequisite.
- Site works and commissioning: 2 days per crane
- Customer needs to provide a safe location where installation and commissioning can be completed.



Selected References



YEAR	CUSTOMER/LOCATION	QUANTITY
2021	Yilport / Leixhoes	6
2020	DPW / Yarimca	6
2020	Yilport / Gävle	6
2020	Yilport / Liscont	6
2019	MFT / Malta	15
2019	PTP / Johor	12
2018	PMT / Kuala Tanjung	8



Ports. Evolved.



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 16,500 professionals in over 50 countries, Konecranes is trusted every day to lift, handle and move what the world needs. In 2025, Group sales totalled EUR 4.2 billion. Konecranes shares are listed on Nasdaq Helsinki (symbol: KCR).

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