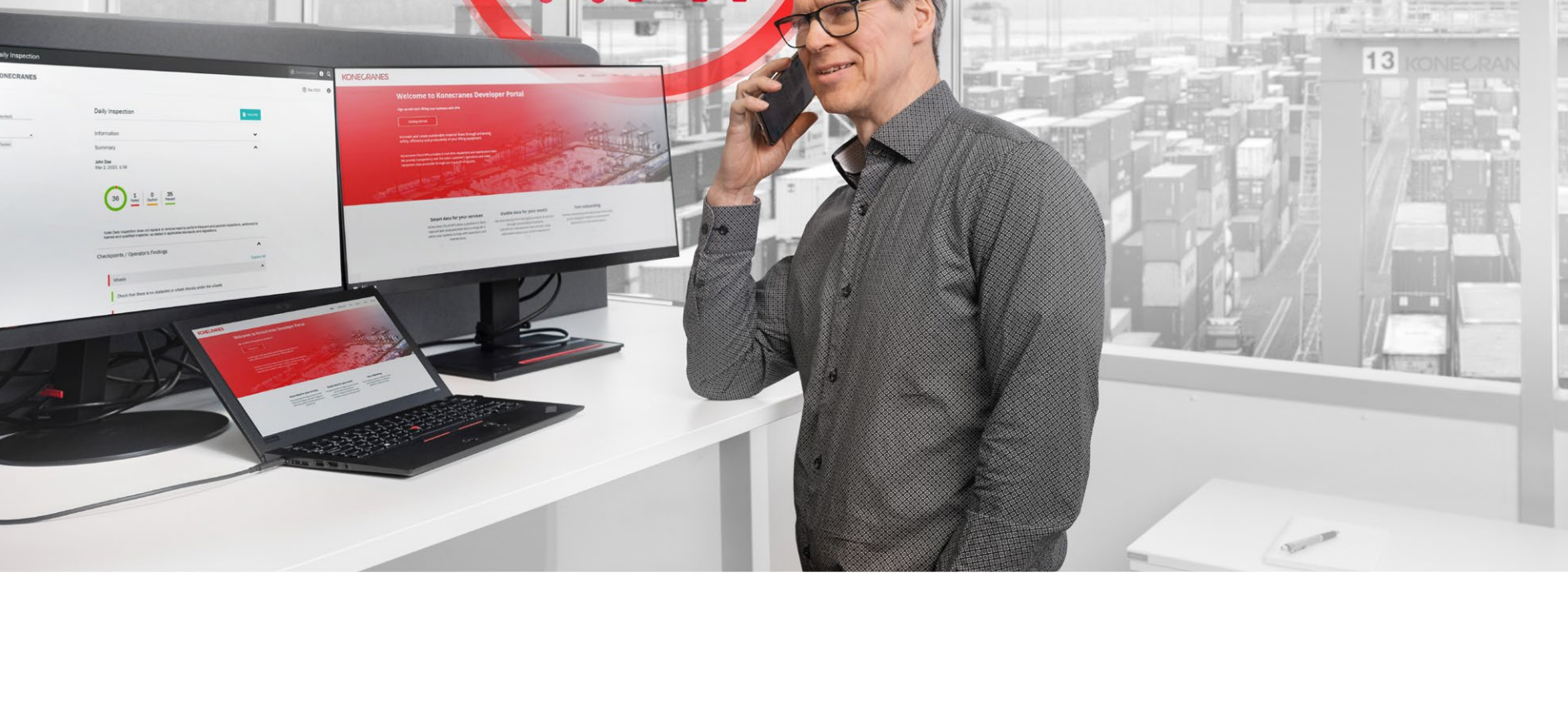


# Gantry Collision Prevention

Revenue protection through incident prevention

## 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.



## Protect Your Revenue, Not Just Your Equipment

A single serious RTG safety incident costs €320k on average—combining €27k\* in conservative downtime costs (5 days of lost revenue and opportunities) with €300k\*\* in direct incident costs (medical expenses, workers compensation, fines, equipment repairs, and legal fees)\*\*. This conservative estimate excludes insurance premium increases, third-party litigation, reputation damage, and operational inefficiencies. Prevention isn't an expense—it's revenue protection.

\* Based on Konecranes study "True cost of RTG downtime".  
\*\* Based on insurance analyses of US-based incidents 2020–2024

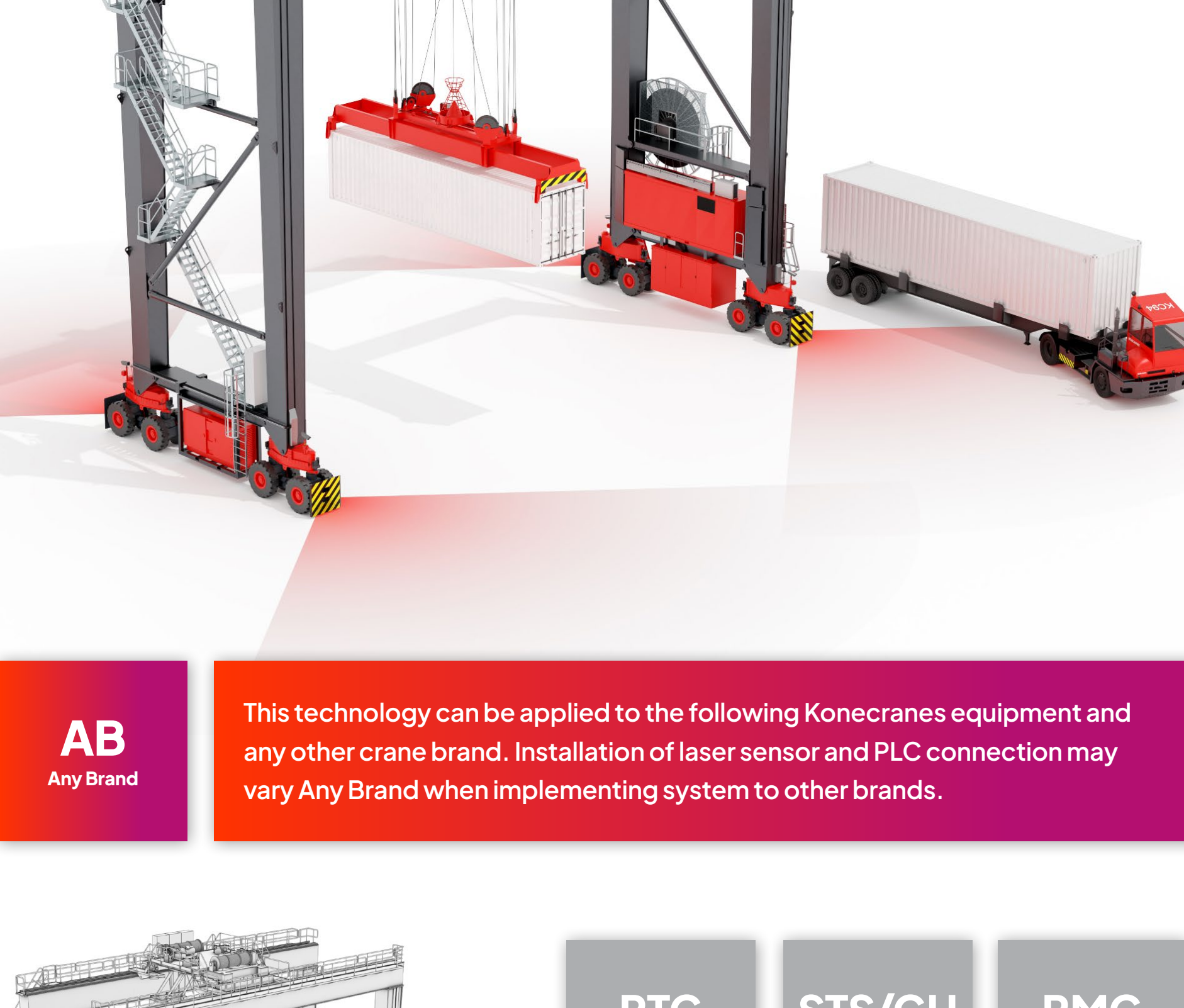


Assists in avoiding crane-to-crane and crane-to-obstacle collisions.

Watch video at this link

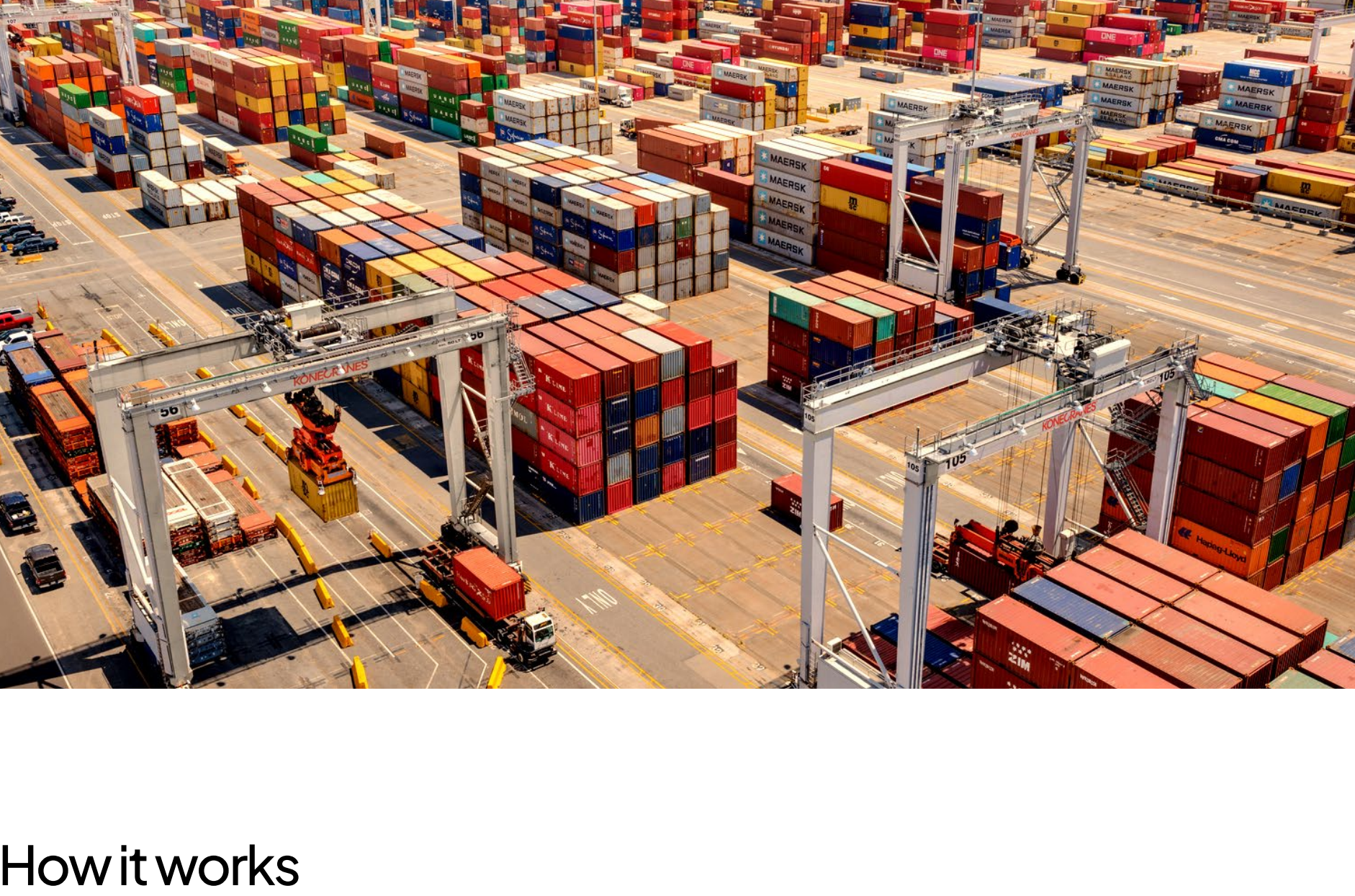
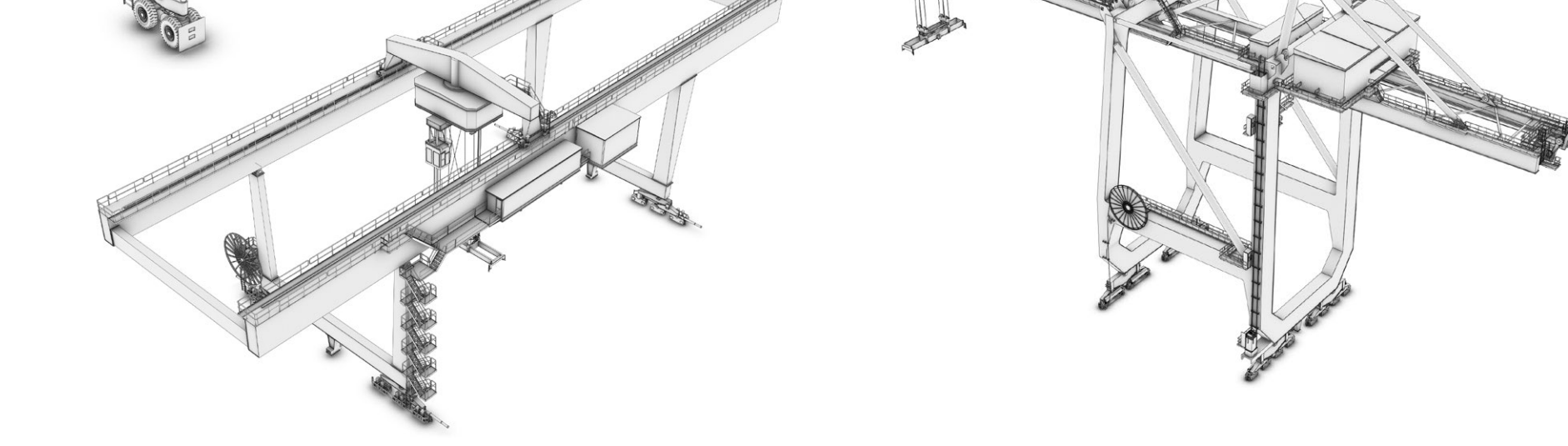
## Benefits

- Laser sensors in the system perform slowdown and stop-limits within a 20-meter range
- The system works in every mode of gantry travel: normal, cross and rotate
- Longer range and better weather tolerance compared to ultra-sonic sensors
- Simplest and most accurate solution in the market
- Highly resistant to adverse weather.



**AB**  
Any Brand

This technology can be applied to the following Konecranes equipment and any other crane brand. Installation of laser sensor and PLC connection may vary Any Brand when implementing system to other brands.



## How it works

- A laser sensor is installed on each RTG bogie.
- Safety zones are pre-programmed to comply with local regulations and your own yard requirements.
- If a laser sensor detects another crane or obstacle inside the safety zone, the crane stops moving\*.
- Operators are informed of the system status at all times.

\* Collision avoidance systems are not designed to detect humans and will not prevent collisions between your equipment and humans in the path of the equipment.

## What you need to know

- Gantry collision prevention is mandatory with further automation
- Turn-key project delivery with all required hardware and software plus training
- Site works and commissioning: 2 days per crane
- Customer needs to ensure prompt availability of cranes to ensure the above timelines
- Customer needs to provide safe location where installation and commissioning can be completed.



## Selected References



| YEAR | CUSTOMER/LOCATION     | QUANTITY |
|------|-----------------------|----------|
| 2022 | PHA / USA             | 8        |
| 2022 | Port Everglades / USA | 4        |
| 2020 | Luka Koper / Slovenia | 2        |
| 2019 | TMS / Spain           | 3        |
| 2019 | SCPA / USA            | 18       |
| 2018 | APMT / USA            | 32       |
| 2016 | APC / Israel          | 24       |



## 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).

© 2026 Konecranes. All rights reserved. "Konecranes", "Moves what matters" and  are either registered trademarks or trademarks of Konecranes.

This publication is for general informational purposes only. Konecranes reserves the right at any time, without notice, to alter or discontinue the products and/or specifications referenced herein. This publication creates no warranty on the part of Konecranes, express or implied, including but not limited to any implied warranty or merchantability or fitness for a particular purpose.