

How do
crickets detect
danger?

They have evolved small hairs that can detect the air current of a nearby frog opening its mouth.

Safety. Evolved.

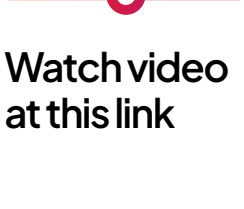


Safety-Assist
Retrofits

Crane adaptations that detect danger and enable safer operations.

3D Truck Lift Prevention

3D LiDAR technology combined with proprietary Konecranes algorithms detects lifting of the truck/trailer and stops the hoisting movement immediately.



Watch video at this link

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.

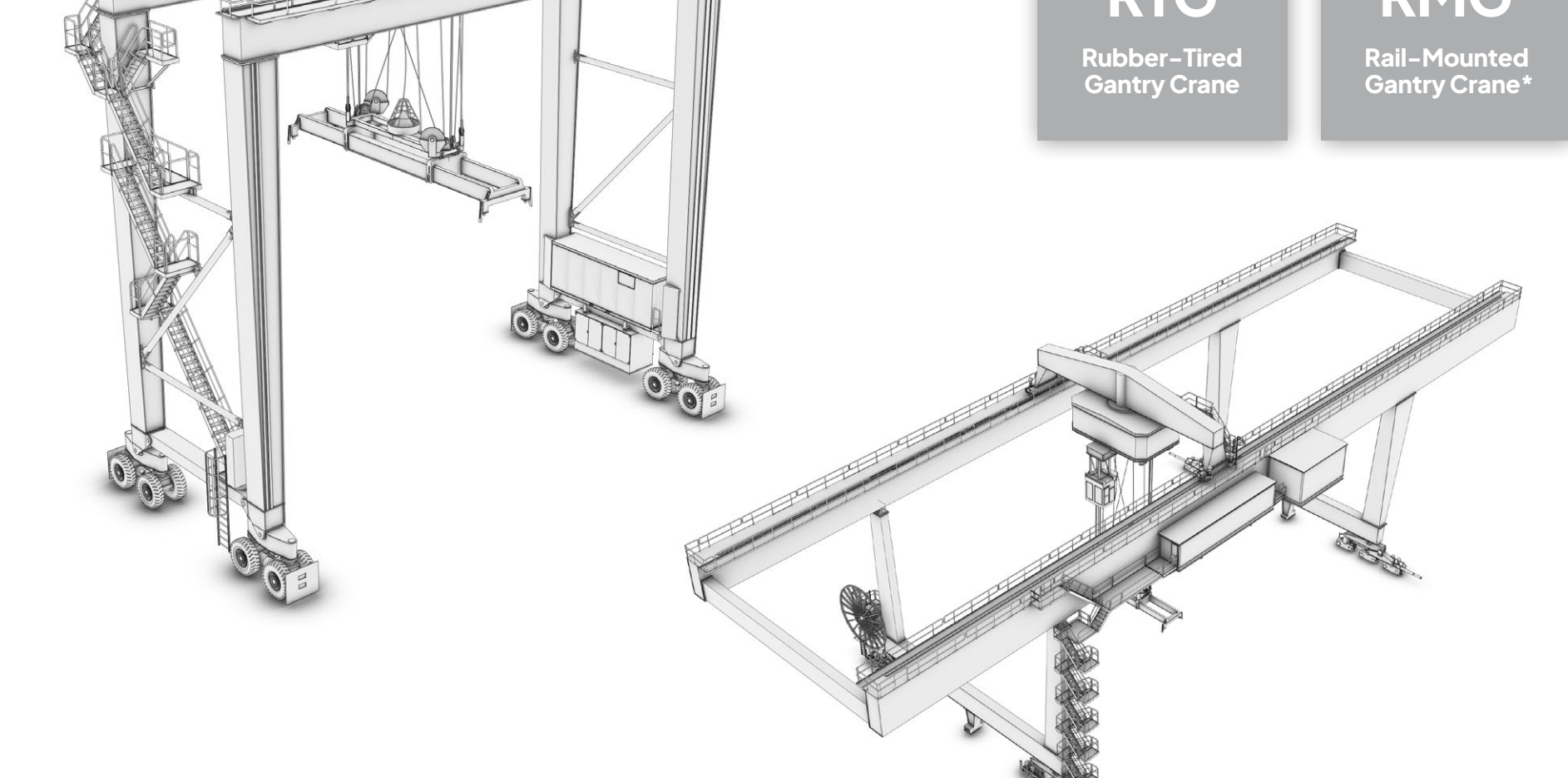
Benefits

- Improves safety of truck drivers and people around the crane
- Saves significant time in resolving trailer/truck lift incidents
- Stops hoist automatically and smoothly at an early stage
- Monitors the gap between the trailer and container
- Is able to detect various trailer lift situations, regardless of how many corner locks have been left attached.



AB
Any Brand

This technology can be applied to all RTGs and RMGs, however installation may vary when applying to other brands of equipment.



*System is applicable only on the loading lanes next to the crane leg.

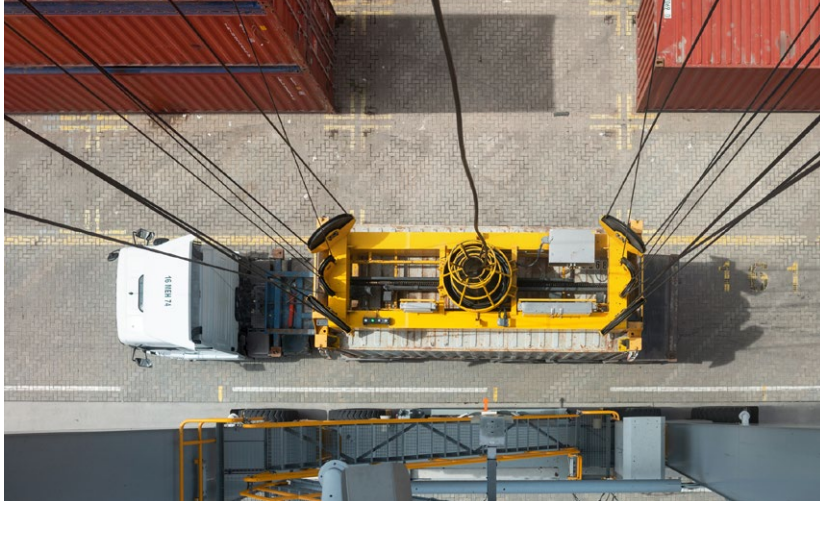


How it works

- A 3D LiDAR sensor is mounted under the sill beam at approx. 1,5 meters from the ground.
- The system is automatically activated once the twistlocks are engaged with a container on the truck lane.
- The sensor remains active during the first 2 meters of hoisting.
- The sensor monitors the gap between the container and trailer, halting the hoist in the following situations:
 - No gap is detected, meaning the trailer is being lifted from all the corners.
 - A gap is detected, but the trailer is being lifted from one or more corners.

What you need to know

- If there is no auxiliary generator or other structure, a more comprehensive bracket with long arm is required
- Turn-key project delivery with all required hardware and software plus training
- Site works and commissioning: 3 days per crane
- Customer needs to ensure prompt availability of cranes to ensure the above timelines



Selected references



YEAR	CUSTOMER LOCATION	QUANTITY
2024/2025	Poland	25 ARTGs
2025	Slovenia	4 RTGs
2025	UK	4 RTGs
2025	Portugal	6 ARTGs
2025	Spain	2 RTG
2025	India	3 RTGs

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 16,800 professionals in over 50 countries, Konecranes is trusted every day to lift, handle and move what the world needs. In 2024, Group sales totaled EUR 4.2 billion. Konecranes shares are listed on the Nasdaq Helsinki (symbol: KCR).

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