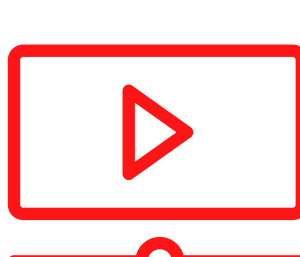
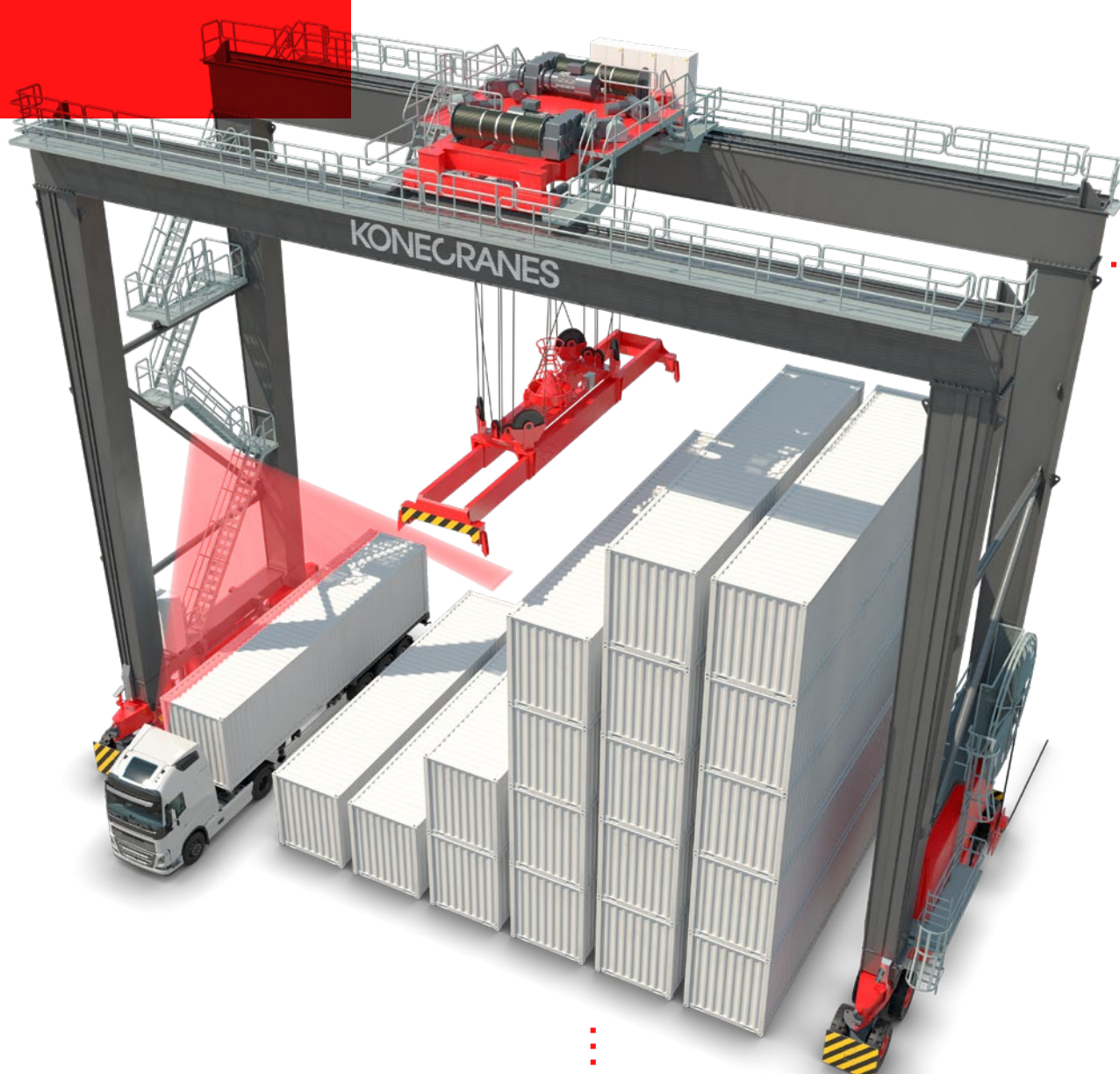


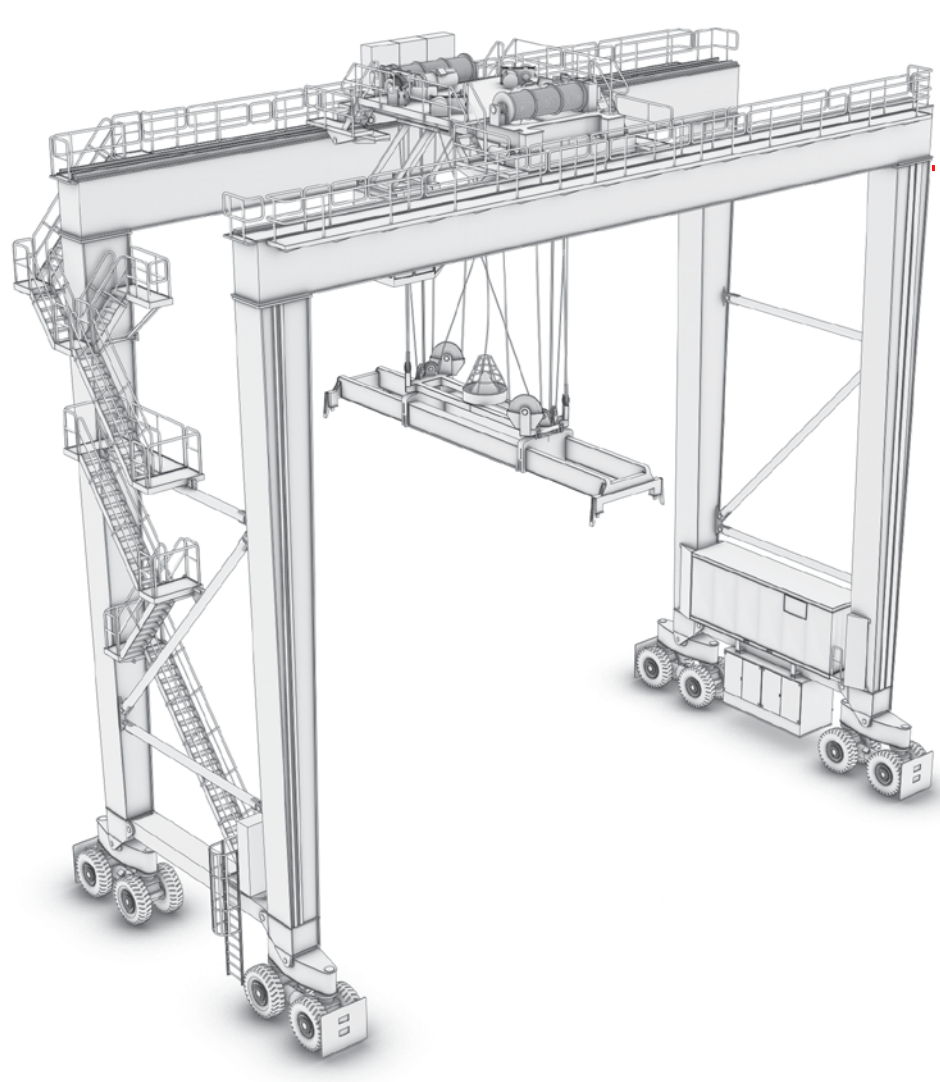
SMART FEATURE RETROFITS

Auto-Truck Guiding Retrofit

Accurate truck positioning for faster truck handling and improved yard safety.



Watch video at this link



EQUIPMENT

This technology can be applied to all Konecranes RTGs as well as **any other crane brand**.

Minimum requirement: PLC controlled RTG with Profinet.

AB
Any Brand

RTG
Rubber-Tyred Gantry

BENEFITS

- RTG can pick up or place container with minimum movement
- Reduced truck handling times
- Safer yard operations
- An alarm is sounded, and the hoist is stopped, if the system detects the truck cabin is in a dangerous position
- May reduce energy consumption due to reduced gantry movement.



HOW IT WORKS

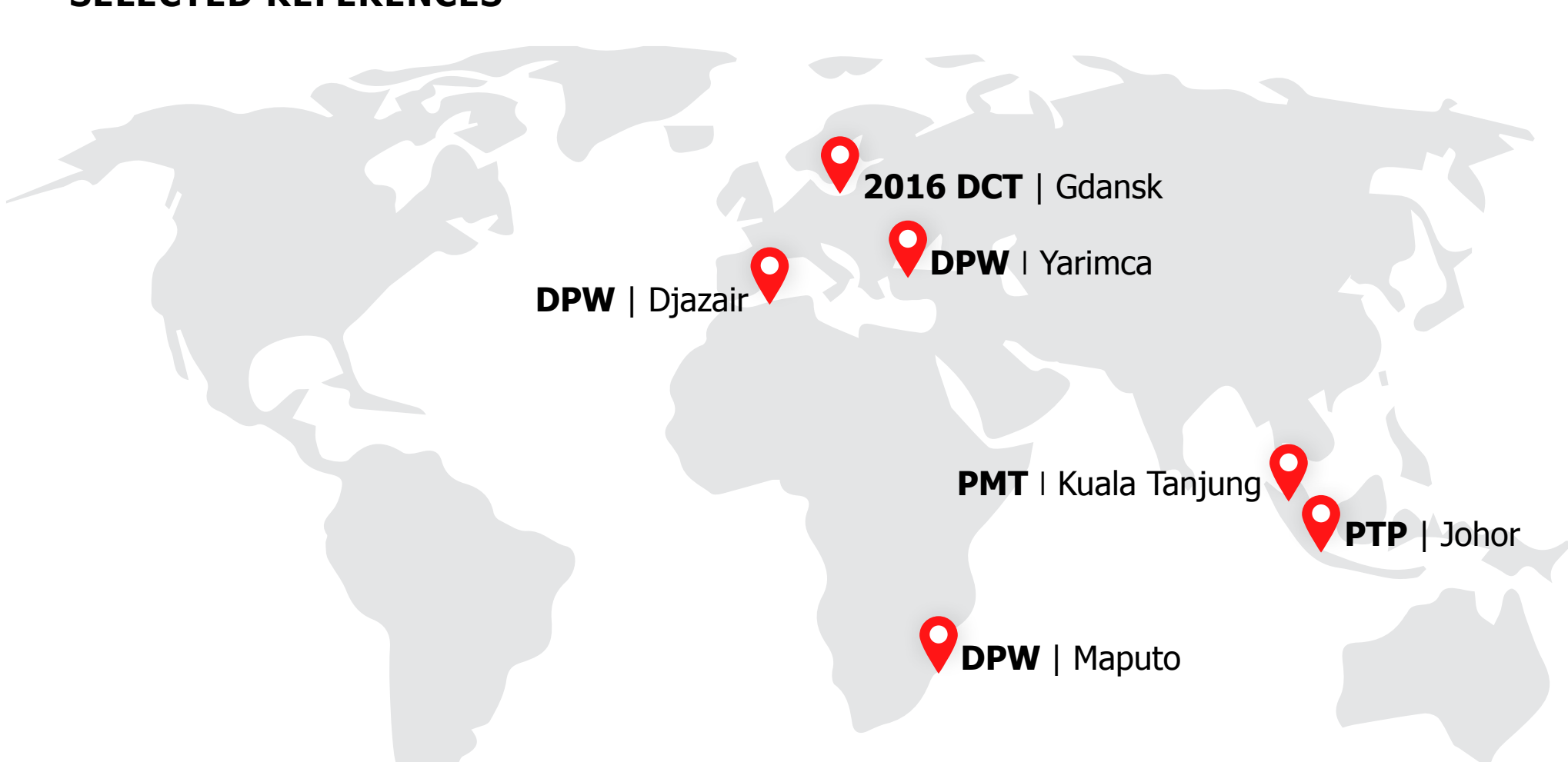
- The system uses a laser scanner mounted between the crane legs on the truck lane side
- Guiding lights (similar to traffic lights) are installed on the crane structure, visible to the truck operator either directly or from the side-view mirror
- The laser scanner then measures the profile of the truck beneath the crane and detects whether it is loaded, partly loaded or empty
- The TOS then provides information about where the truck is to be positioned
- The Auto Truck Guiding system then signals the truck driver to park the truck in the desired position.



WHAT YOU NEED TO KNOW

- Auto-Steering and Auto-TOS reporting are required when offering Auto-Truck guiding
- Weather must be taken into consideration; cabling and sensors have maximum and minimum temperature requirements
- Site works and commissioning: 2 days per crane
- Product is mandatory for further automation
- Customer needs to provide safe location where installation and commissioning can be completed.

SELECTED REFERENCES



Year	Customer/Location	Quantity
2019	DPW / Djazair	5
2019	PTP / Johor	12
2018	PMT / Kuala Tanjung	8
2016	DCT / Gdansk	16
2015-20	DPW / Yarimca	6
2016	DPW / Maputo	6



Konecranes is a world-leading group of Lifting Businesses™, serving a broad range of customers, including manufacturing and process industries, shipyards, ports and terminals. Konecranes provides productivity enhancing lifting solutions as well as services for lifting equipment of all makes. The Group has more than 16,000 employees at 600 locations in 50 countries. Konecranes shares are listed on the Nasdaq Helsinki (symbol: KCR).

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