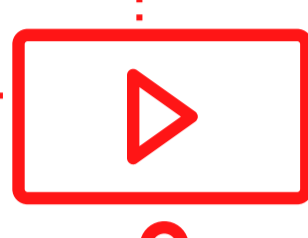
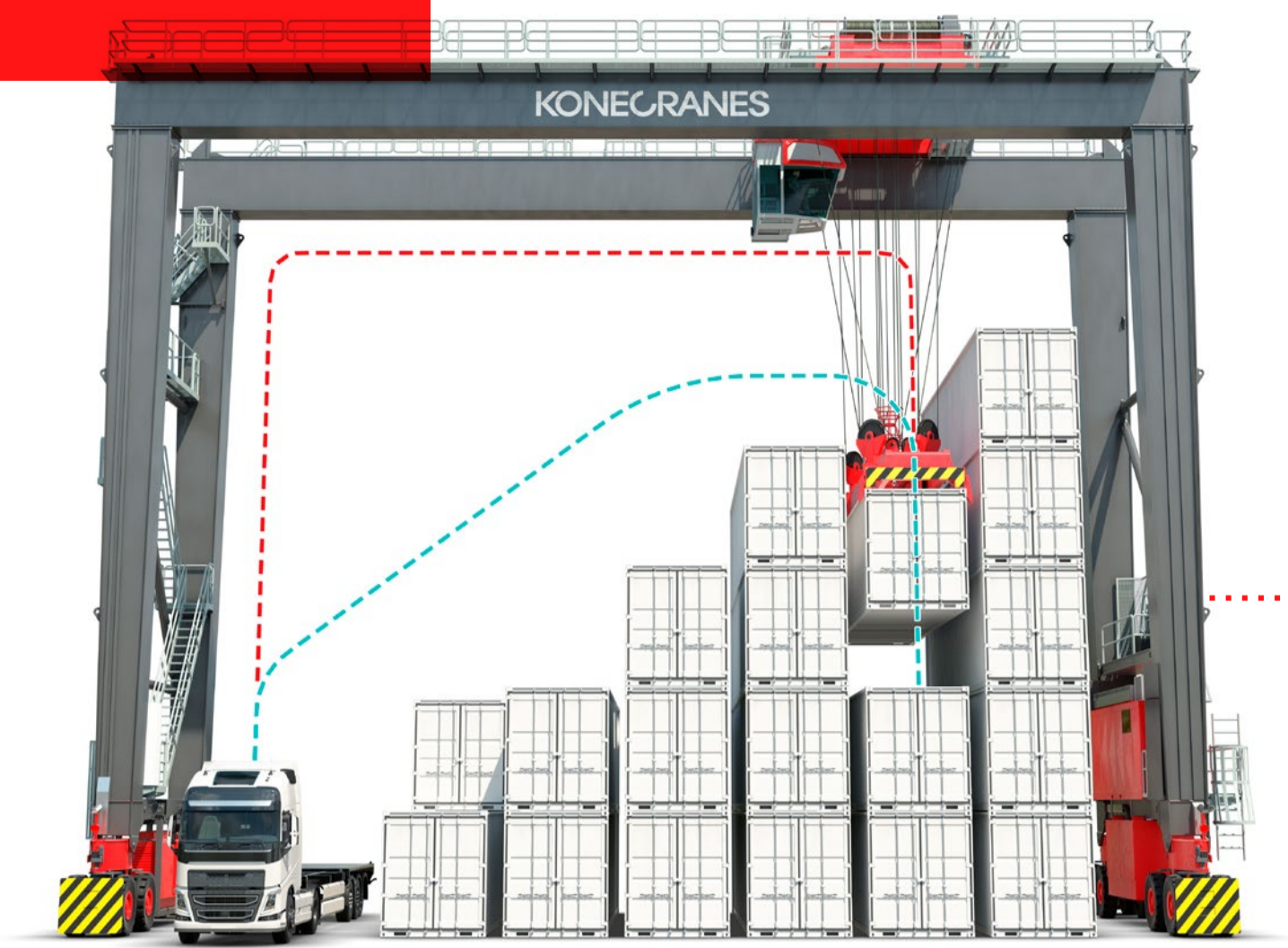


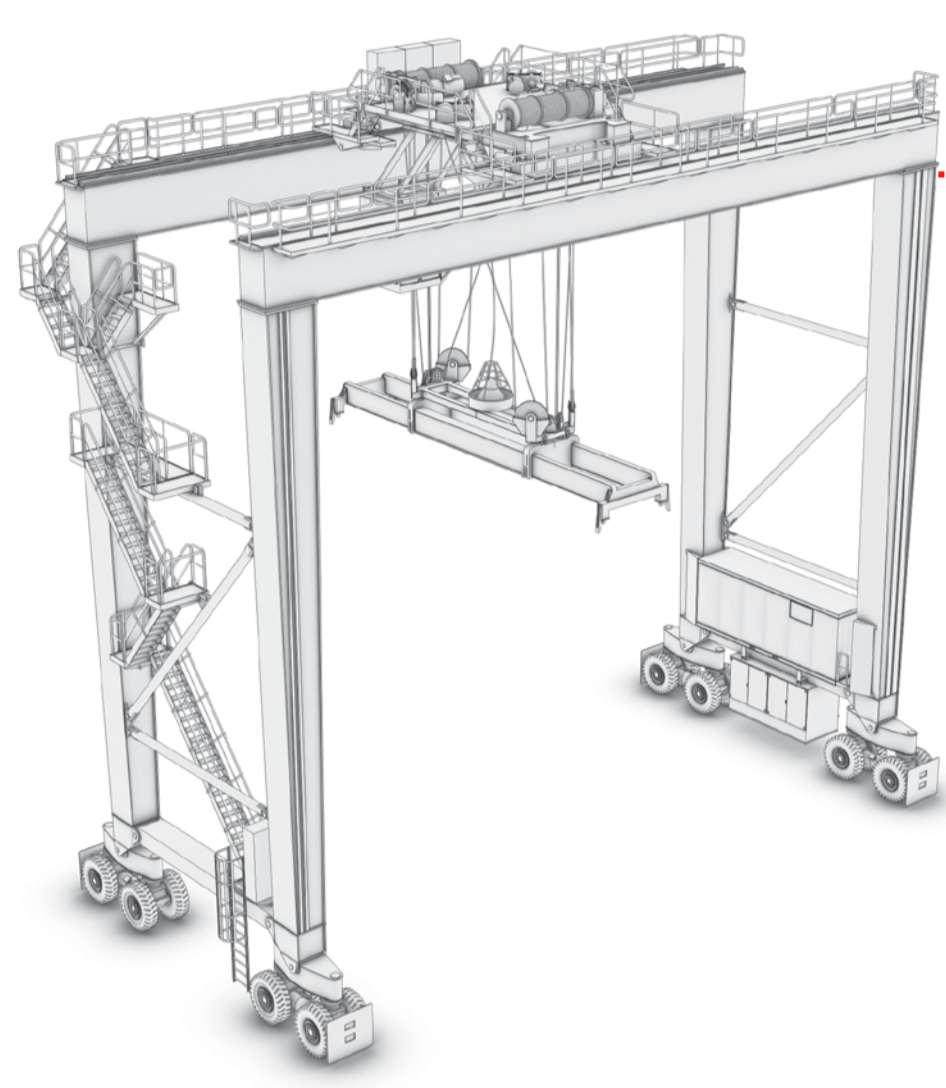
SMART FEATURE RETROFITS

Auto-Path Optimizing

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



Watch video at this link



EQUIPMENT

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. Auto-TOS and Stack-Collision retrofits are a prerequisite.

AB
Any Brand

RTG
Rubber-Tyred Gantry

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.

HOW IT WORKS

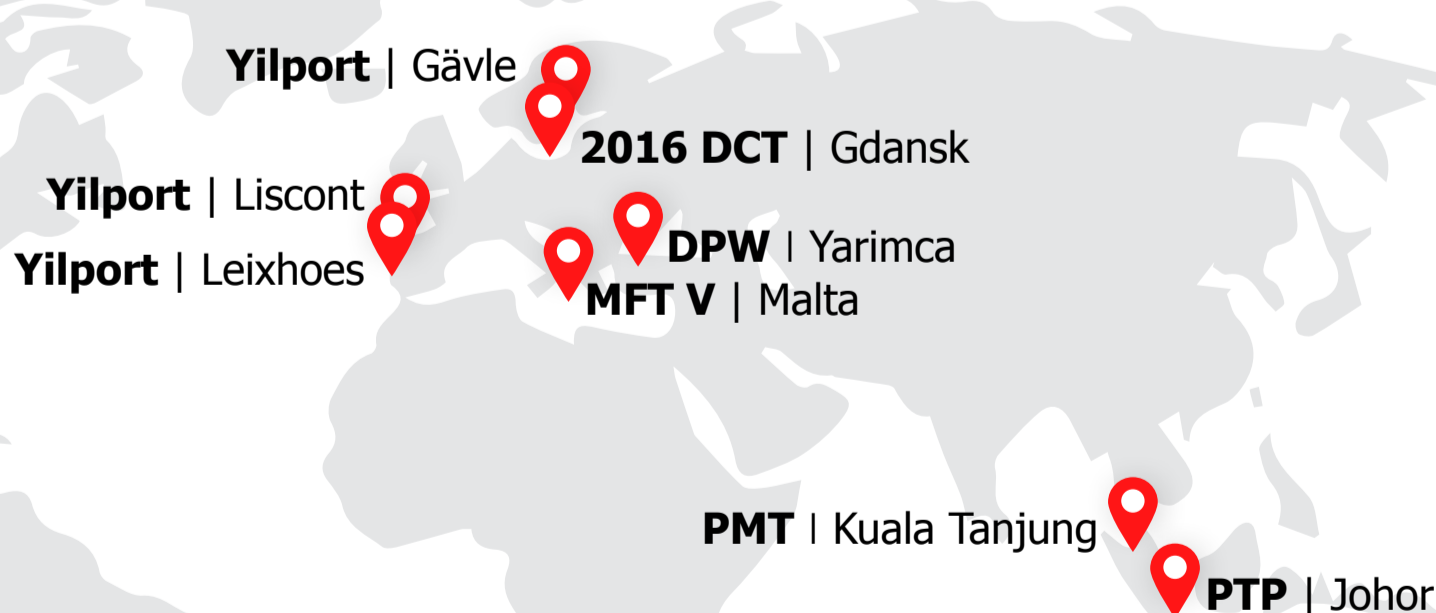
- Technology is activated by pressing a foot pedal
- The pedal works in a hold-to-run principle
- The Industrial PC receives the data from the lasers and constantly calculates the stack profile
- It then continuously provides the PLC with distances to the containers in the trolley's path
- Above 18 meters with a container and above 15 meters with an empty spreader, the trolley movement is always free.

WHAT YOU NEED TO KNOW

- Auto-TOS and Stack-Collision retrofits are a prerequisite.
- Auto-Path is a mandatory function for further automation
- 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



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