

Assists operators to lift, lower and place containers with a higher degree of safety and accuracy.



at this link

**EQUIPMENT** 

This technology can be applied to the following Konecranes equipment and any other crane brand.

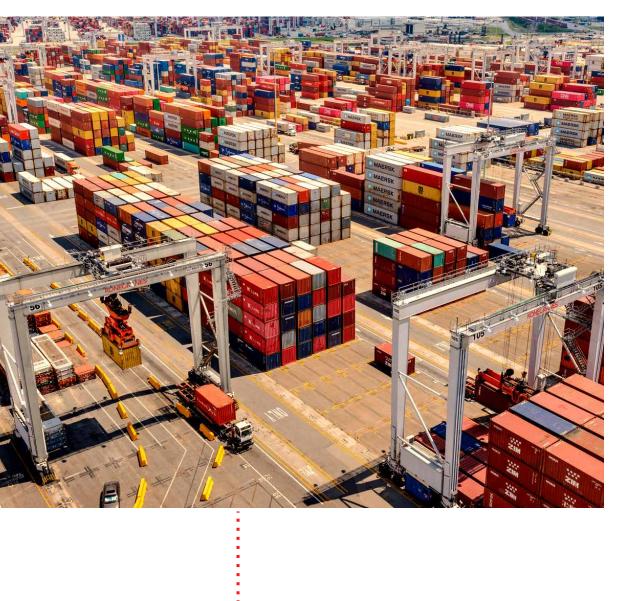
and PLC connection may vary when implementing system to other brands.

Installation of laser sensor









## Prevents container collisions

**BENEFITS** 

- and knock-downs as the trolley moves towards the bay
- Prevents unsafe loading in the mixed bays
- Works with both loaded and empty spreaders
- Allows for fine positioning • Operator can navigate container
- in bad weather and around stacks of uneven height • Easy to use and maintain:
- only uses electrical components so only sensor cleaning is required.

## **HOW IT WORKS** • Two laser scanners constantly check the running bay

when the trolley is in motion

- Trolley movement is free until the hoist moves below a predefined safe zone
- If an obstacle appears in one of the pre-programmed safety zones, the crane's PLC decreases the speed of the
- trolley towards the obstacle • The system also detects both 20-foot and 40-foot containers in the same bay
- independently.

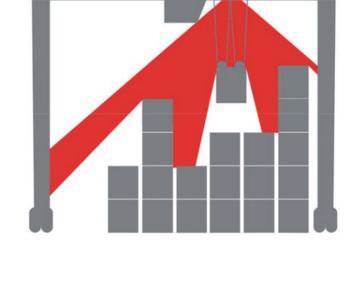
• For increased safety, both laser scanners operate

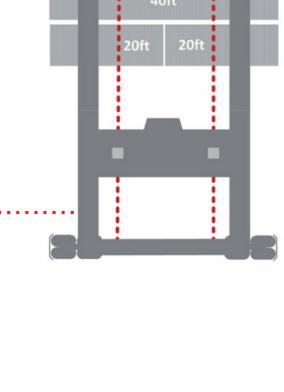
• The system cannot monitor the container stack profiles of adjacent bays

WHAT YOU NEED TO KNOW

- Stack collision prevention is a mandatory step in the conversion to remote operation
- 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** 



MSC | Valencia

Gemalink | Cai Mep

APC | Ashdod

Year	<b>Customer/Location</b>	Quantity
2020	Gemalink / Cai Mep	18
2020	MSC / Valencia	7
2020	PHA / Houston	17
2016	APC / Ashdod	24



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