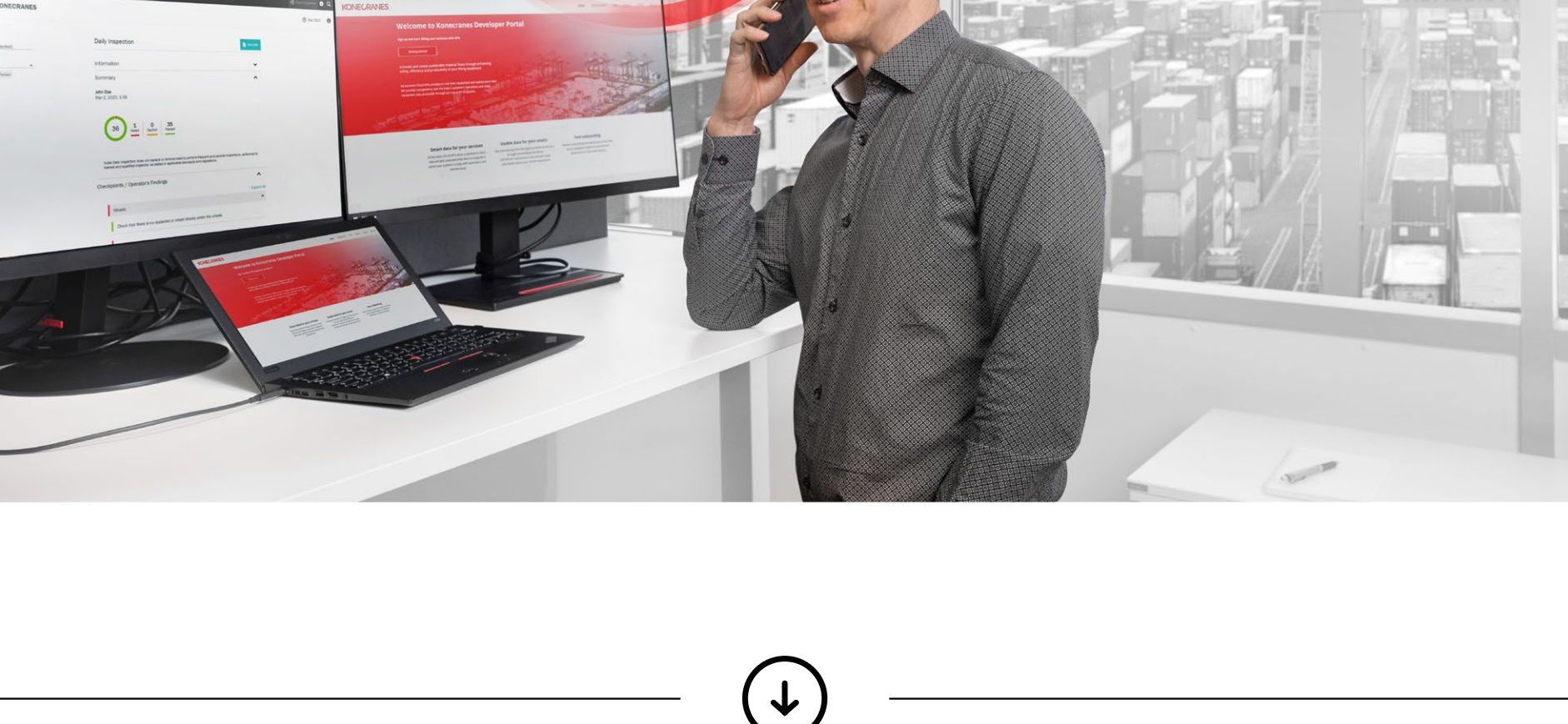


Stack Positioning Retrofit

Eliminates positioning errors and increases speed of operation as the crane will automatically stop precisely above the correct container or slot.

Adapt and thrive

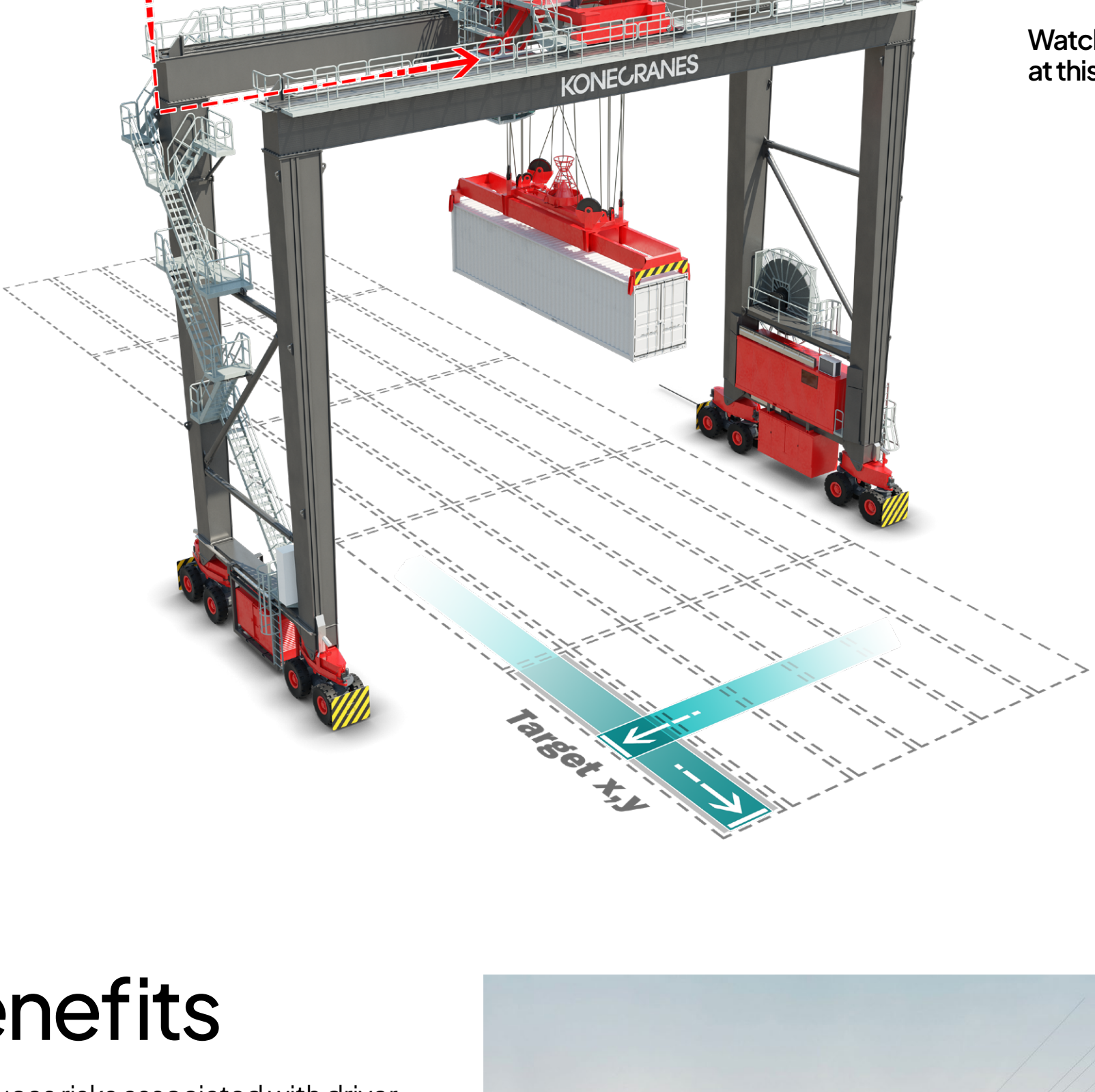
Konecranes is the premier port services provider to brownfield terminal developments. Our range of retrofit products will enable your fleet to adapt to a fast-changing environment. Welcome to your evolution.



Supporting operators for safer, smoother RTG performance

RTG operators manage a demanding mix of tasks every shift—precise steering, accurate container placement, constant TOS updates, and full awareness of traffic and safety zones. It’s a high-skill job that naturally creates mental fatigue over time.

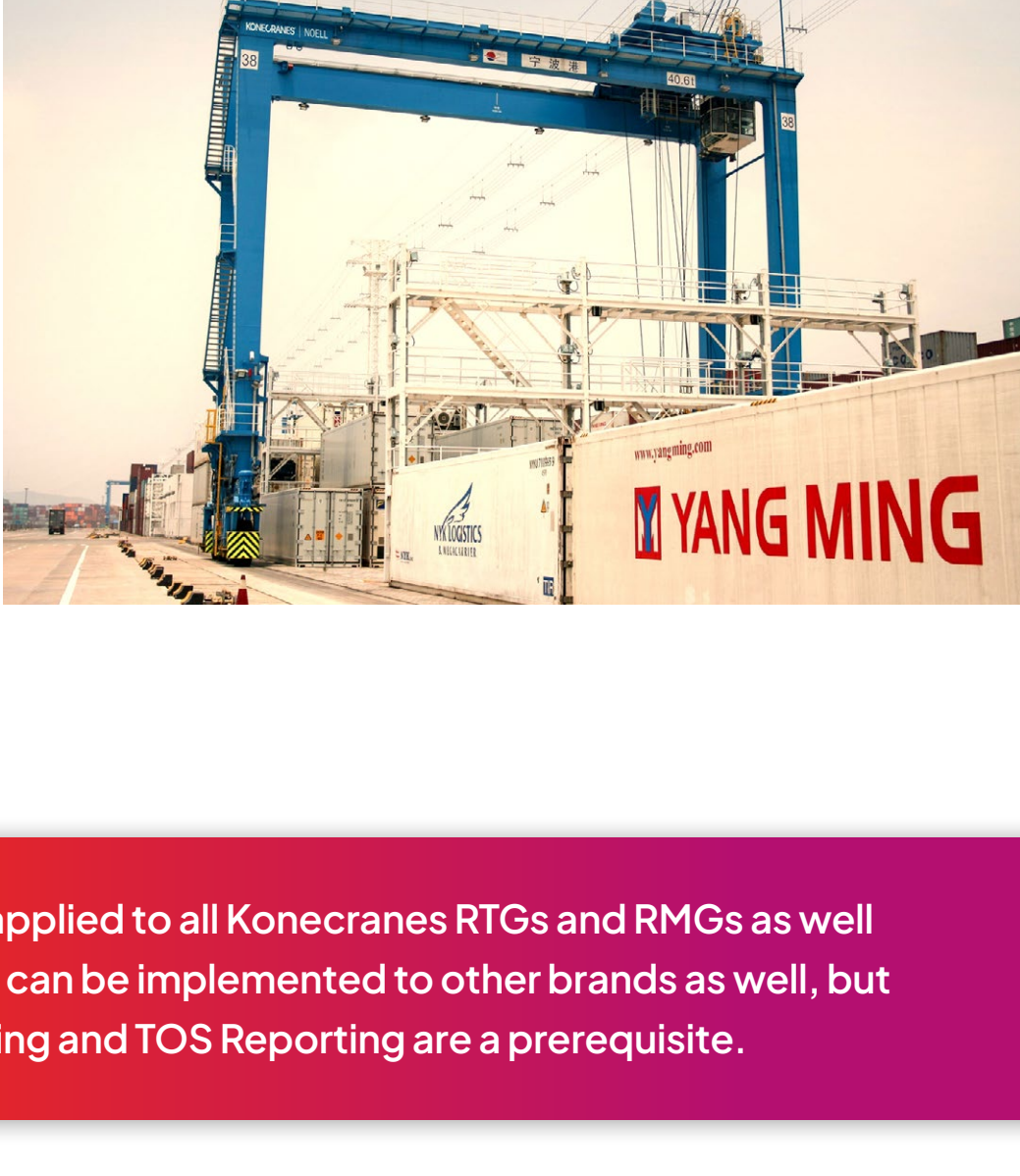
Our Operator-Assisting retrofits lighten that load by taking over the steering work. Operators stay fully in control of every critical decision, while the system handles the repetitive strain—helping them stay focused on what they do best: safe, confident, accurate container handling.



Watch video at this link

Benefits

- Reduces risks associated with driver fatigue and of operating in adverse weather
- Creates more precisely shaped container stacks
- Decreases cycle times as it enables a faster more confident approach to the target
- Reduces unnecessary movements
- Proprietary DGPS algorithms calculate centimetre level accurate GPS positions.



This technology can be applied to all Konecranes RTGs and RMGs as well as other brands. System can be implemented to other brands as well, but Konecranes Auto-Steering and TOS Reporting are a prerequisite.

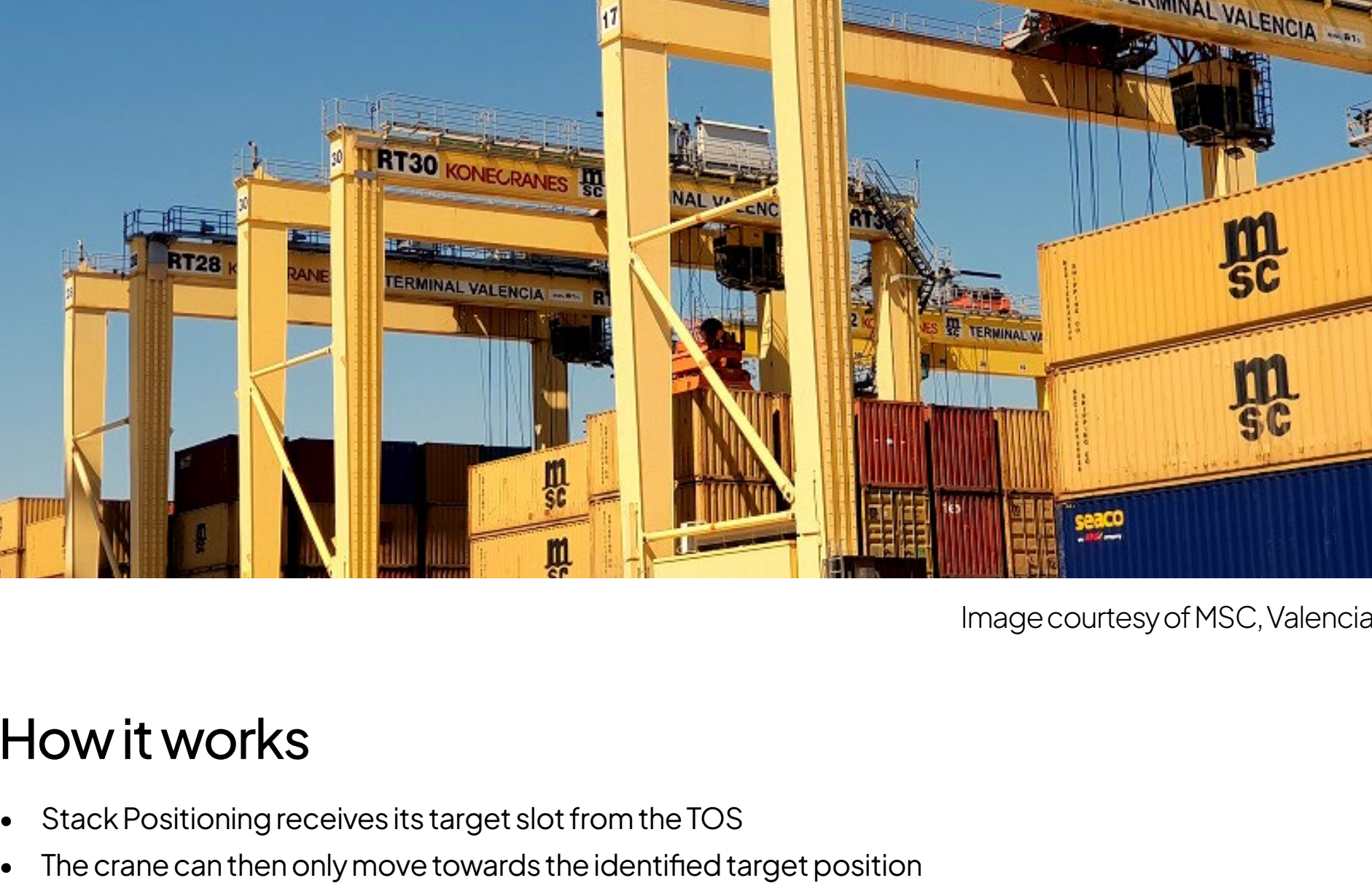
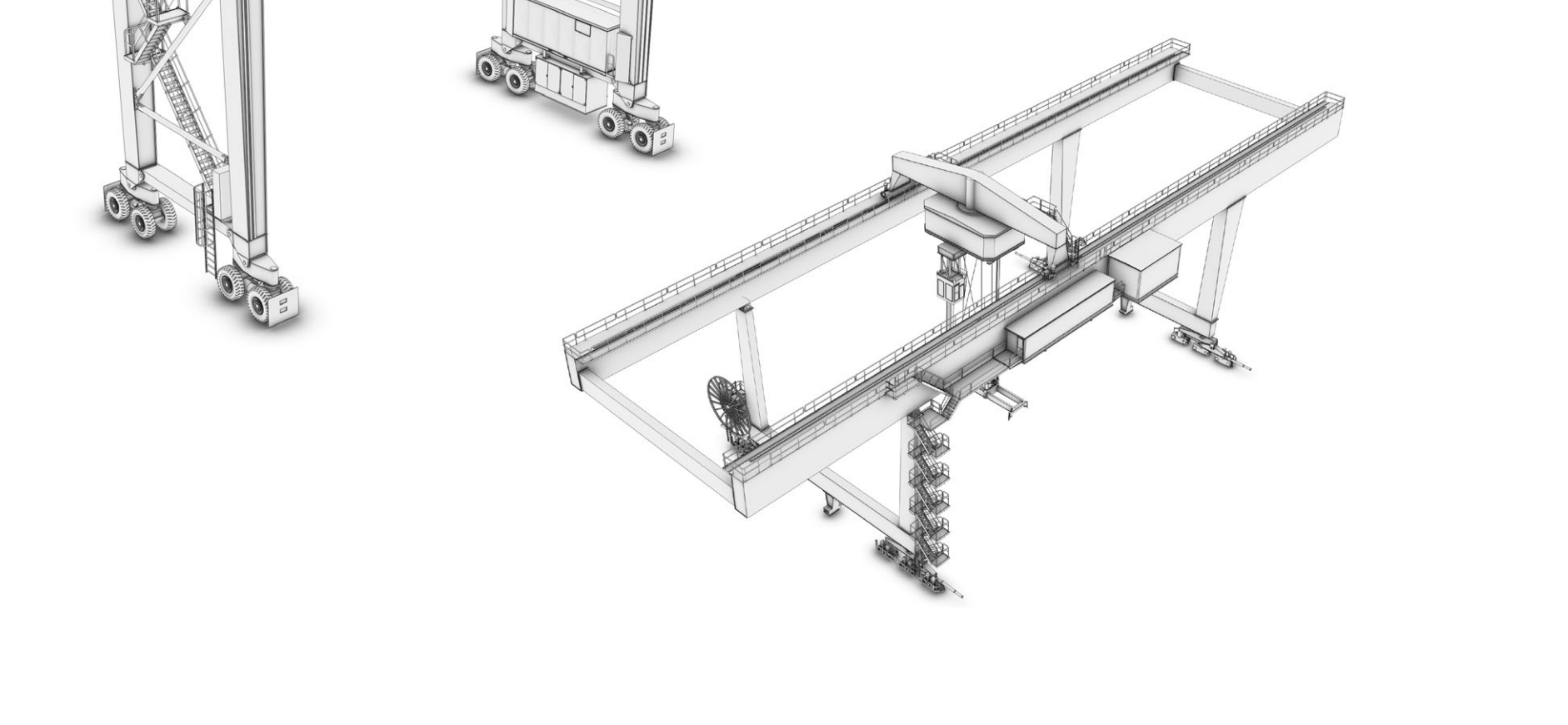


Image courtesy of MSC, Valencia

How it works

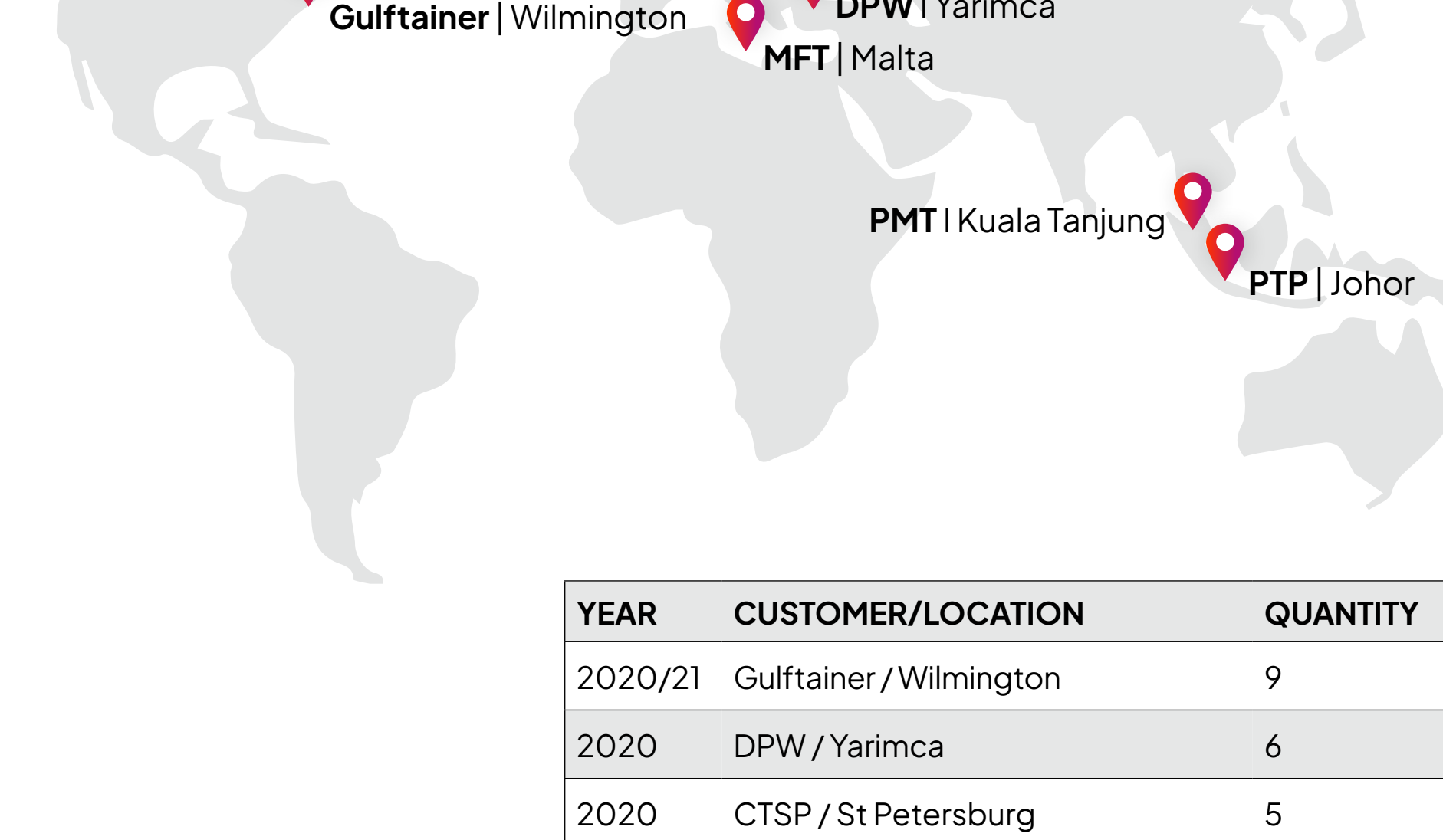
- Stack Positioning receives its target slot from the TOS
- The crane can then only move towards the identified target position
- Operator moves the gantry and trolley towards the target with joysticks
- Stack Positioning applies an automatic optimized ramp to stop the gantry and trolley above the target
- The gantry position is typically measured using GPS and the trolley position is typically measured using encoders

What you need to know

- Auto-Steering and TOS Reporting are prerequisites for Stack Positioning
- Site works and commissioning: 1–2 days per crane
- Customer needs:
 - To apply for necessary radio frequency license that the system needs for the base station communication.



Selected References



YEAR	CUSTOMER/LOCATION	QUANTITY
2020/21	Gulftainer / Wilmington	9
2020	DPW / Yarmca	6
2020	CTSP / St Petersburg	5
2019	MFT / Malta	15
2019	PTP / Johor	12
2018	PMT / Kuala Tanjung	8
2016	DCT / Gdansk	15



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).

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