

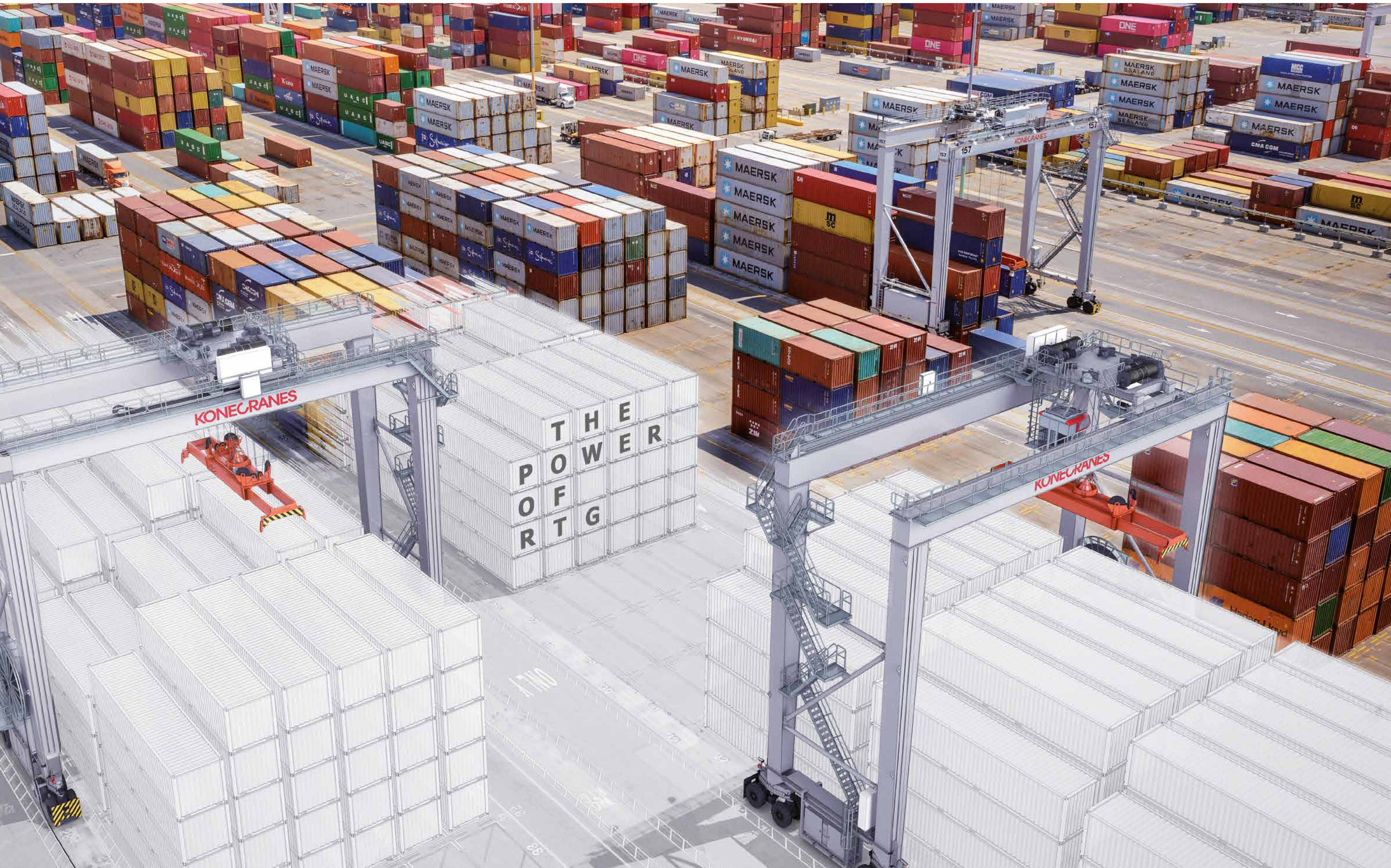
YOU'LL FIND YOUR RTG IN THIS FAMILY

From the  
creator of the  
modern RTG



**2,300+**  
**RTGs delivered**



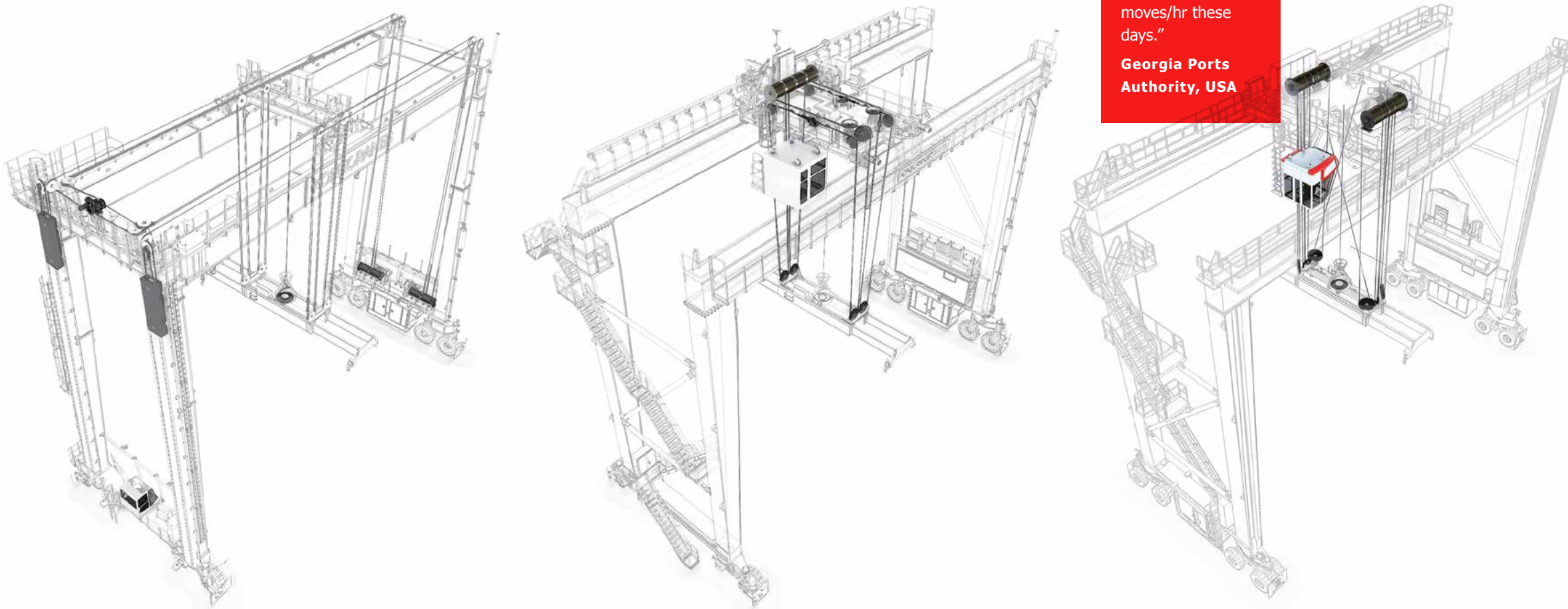




# This RTG family has it all

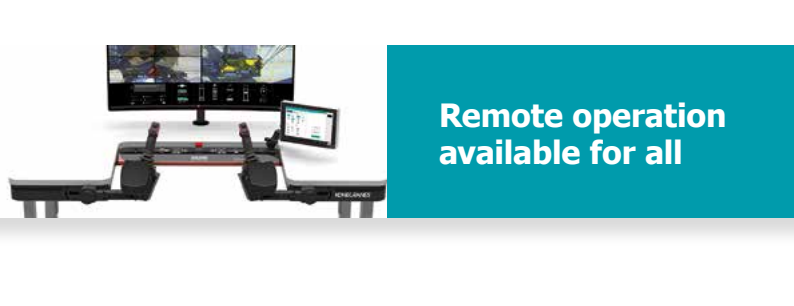
## THE OPERATING CONCEPT

You have a choice of operating concepts in the Konecranes RTG family. It covers the operator experience and the load control technology. It also covers the path to port automation, where you can improve productivity and safety in manageable steps. From smart features up to full automation, the path can include supervised operation and remote operation to smoothly introduce the power of automation. The path to port automation applies to all container handling equipment brands. Full automation can be the final goal but it doesn't have to be. Flexibility is the key.



"We typically have an STS:RTG ratio of 1:2 and we are averaging 31-33 moves/hr these days."  
**Georgia Ports Authority, USA**

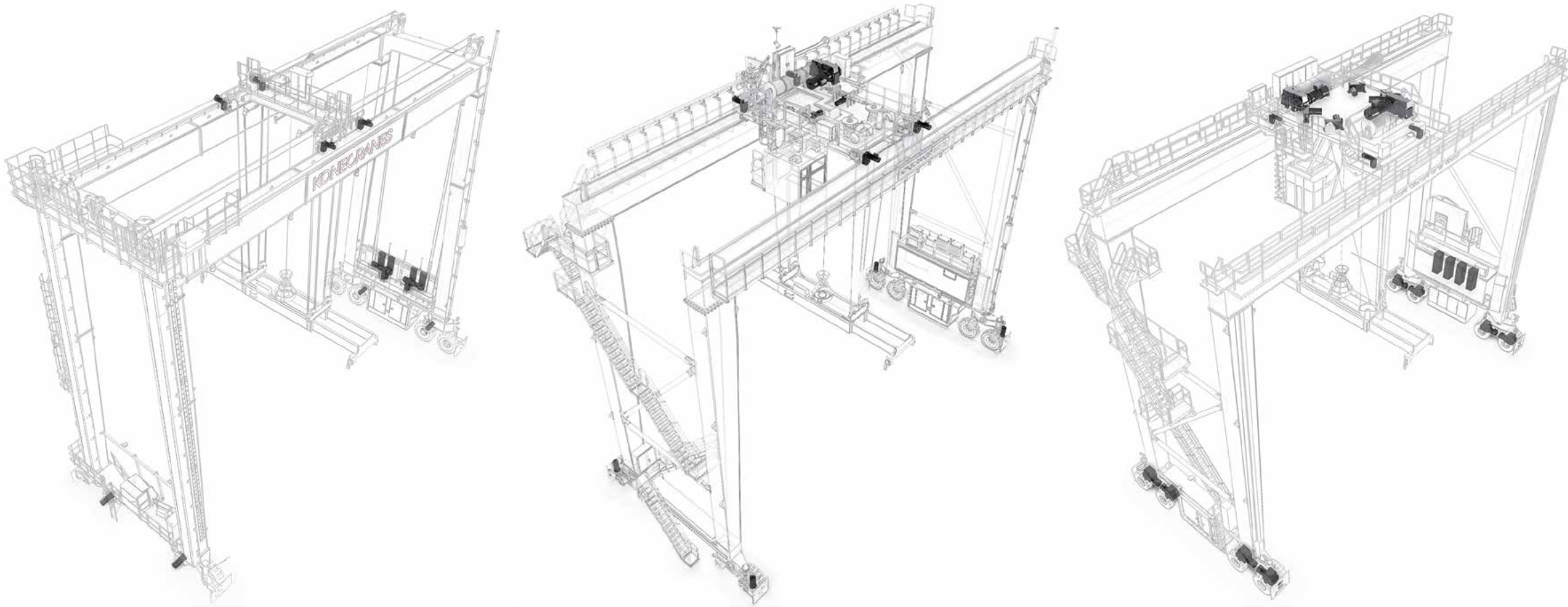
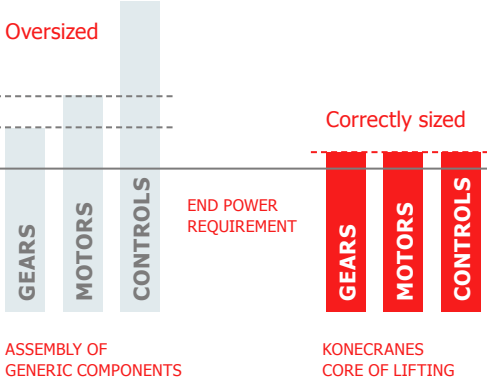
	FOR INLAND LOGISTICS Konecranes BOXHUNTER	THE STEADY PERFORMER Konecranes Noell RTG	THE BEST PERFORMER Konecranes RTG
The operator experience	Ground cabin, video feeds	Traditional cabin	Smarter cabin
The load control	Electrical anti-sway	Electrical anti-sway	Active load control (ALC) with fine positioning
The path to port automation			
Smart Features available	✓	✓	✓
Supervised operation available			✓
Remote operation available	✓	✓	✓
Full automation with performance guarantee available			35 moves/hr guaranteed



# This RTG family has it all

## THE CORE OF LIFTING

The Core of Lifting is the integrated package of gear reducers, motors and controls that is designed and made by Konecranes in-house specifically for RTG lifting motions. We design the key components, the software and the interaction between them, specifically for lifting. It's correctly dimensioned for the work RTGs do, giving greater eco-efficiency and reliability.



	FOR INLAND LOGISTICS Konecranes BOXHUNTER	THE STEADY PERFORMER Konecranes Noell RTG	THE BEST PERFORMER Konecranes RTG
The Core of Lifting	100%	67%	100%
Konecranes motors	✓	✓	✓
Konecranes gear reducers	✓	✓	✓
Konecranes inverter drives	✓	Selectable	✓

5 YEAR EXTENDED WARRANTY\*  
for Konecranes core components

\* The Konecranes Core of Lifting components for RTGs comprise the Konecranes motors, gear reducers and inverter drives, for which we offer an extended warranty of 5 years.



Hoisting machinery



Rope drum hoisting machinery



Active Load Control (ALC) motor/gearbox



# This RTG family has it all

## POWERED BY ECOLIFTING

Powered by Ecolifting is Konecranes’ vision to minimize the footprint and increase the handprint of RTGs working at its customers’ terminals. This encompasses a complete range of diesel-electric and fully electric power options that are retrofittable to Konecranes RTGs and all other RTG makes.



BOXHUNTER has a system of counterweights that reduces energy costs because it eliminates the weight of the spreader – amounting to a 25% lighter load with every lift.



Busbar system in action with Konecranes RTGs at the Garden City Terminal, Port of Savannah, Georgia Ports Authority (GPA), USA. There are over 160 Konecranes RTGs working at this terminal, the largest single container terminal in the USA.



A Konecranes Noell RTG in action with an additional power option: overhead electrical trolley power.



Konecranes RTG at DP World Yarimca in Turkey, in fully electric operation powered by a cable reel system.

		FOR INLAND LOGISTICS	THE STEADY PERFORMER	THE BEST PERFORMER
		Konecranes BOXHUNTER	Konecranes Noell RTG	Konecranes RTG
Number of wheels		16 wheels	8 or 16 wheels	8 or 16 wheels
The power options				
DIESEL-ELECTRIC	Diesel Fuel Saver	✓	✓	✓
	Hybrid Power pack	✓	✓	✓
FULLY ELECTRIC	Cable Reel	✓	✓	✓
	Busbar	✓	✓	✓



# This RTG family has it all

## THE REFERENCES

### FOR INLAND LOGISTICS

Konecranes **BOXHUNTER**

### Seven sites around the world

BOXHUNTER is the RTG re-invented for inland logistics. Now, for the first time in an RTG, the operator sits and works in an ergonomic heads-up position. And he's working in a cabin down at the truck lane, with direct line-of-sight to the main truck loading and unloading action.

Now the operator climbs into the cabin in seconds – it's similar to climbing into a truck cabin. This saves considerable operational time over the course of a year and dozens of RTGs. The operator tilts the controller forward, finds a comfortable heads-up sitting position, sets his fingers on the controls, and gets to work. This is a huge advantage in inland logistical operations.

BOXHUNTER makes it possible to use RTGs at difficult inland locations because it's delivered in containers, to the most hard-to-reach places.



Delivered in 13 containers, anywhere



CGM Logistics in Myanmar operates BOXHUNTER at a special inland logistics facility. BOXHUNTER is part of a new business concept, where customers rent storage space in portions of containers that are stored in an outdoor yard. The operator's ability to jump in and out of the machine at ground level is central to the concept.



The Port Authority of the Cayman Islands (PACI) operates Konecranes BOXHUNTER RTGs at this inland storage facility on Grand Cayman. The cranes were delivered in 33 containers and swiftly commissioned. They're equipped with Smart Features that speed up the positioning of containers and increase their landing accuracy for fast cycle times.

### THE STEADY PERFORMER

Konecranes **Noell RTG**

### Over 900 working around the world, these are highlights



Konecranes Noell RTGs at Bintulu Port, Malaysia. They are 8-wheel RTGs fitted with the Konecranes Core of Lifting for hoisting, trolley and gantry movement. Bintulu Port is East Malaysia's largest container port and the nation's only liquefied natural gas (LNG) export gateway. It's one of the largest LNG export terminals in the world.



Konecranes Noell RTGs at Dinh Vu Port, Haiphong, Vietnam. They are 8-wheel RTGs lifting 1-over-5 containers high, and fully electric powered by cable reels.



Part of a fleet of Konecranes Noell RTGs working at PSA's Bharat Mumbai terminal, India. This terminal is located in Jawaharlal Nehru Port in Maharashtra, India's largest container gateway.



# This RTG family has it all

## THE REFERENCES

THE BEST PERFORMER  
Konecranes RTG

Over 1,250 working around the world, these are highlights

The DP World Yarimca terminal in Turkey has a fleet of Konecranes RTGs in manual operation. They have retrofitted two of these RTGs to remote operation, and they are now working successfully.



DCT Gdansk, Poland's only deep-sea container port, operates a fleet of Konecranes RTGs with a high level of smart features.



The Port of Savannah, operated by the Georgia Ports Authority (GPA), has a fleet of 160+ Konecranes RTGs in its Garden City terminal. It has been expanding continuously for many years and is now the single largest container terminal in the USA.



Konecranes' automated RTG technology is established. It's working efficiently at Terminal Petikemas Semarang in Indonesia, for example, where a fleet of 20 Konecranes ARTGs are working as a complete system including Remote Operating Stations (ROSS) and container yard infrastructure.





# From the creator of the modern RTG







**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. In 2019, Group sales totaled EUR 3.33 billion. Including MHE-Demag, the Group has around 18,000 employees in 50 countries. Konecranes shares are listed on the Nasdaq Helsinki (symbol: KCR).**

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### **You'll find your RTG in this family**

For more information on the Konecranes RTG product family:

**konecranes.com**