# contact us How do Octopipick locks, store tools, solve puzzles and open jars?

semi-autonomous brain for swifter more informed decision-making.

Each arm has evolved a

Control. Evolved.



### A set of adaptations that enable each crane in your yard to operate automatically and remotely.

**Automation Retrofit** 

## systems and automated yard infrastructure features.

The complete suite of smart features, remote operation



### developments. Our range of retrofit products will enable your fleet to adapt to a fast-changing environment. Welcome to your evolution.

Adapt and thrive

Konecranes is the premier port services provider to brownfield terminal



### Container moves are executed automatically across planned usage patterns 24/7 Less terminal traffic • Decreased operational cost

- Reduced environmental impact
- Our ARTG system can be introduced in controlled phases, at reasonable cost, with minimal interruptions to terminal operations.

• Operator idling time dramatically reduced, one operator: up to 5 cranes per shift

This technology can be applied to any brand of yard crane.



automated

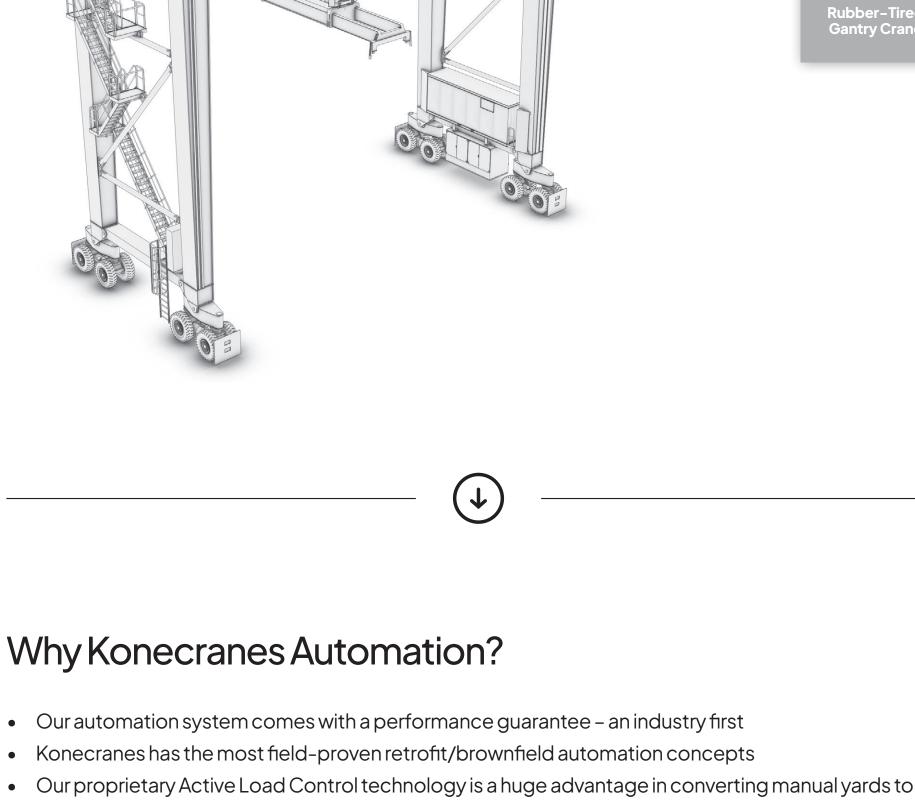
technology in the field

AB

**Any Brand** 

AY **AT Any Yard Any TOS** 

This technology can be applied to all Konecranes RTGs as well as any other



crane brands.





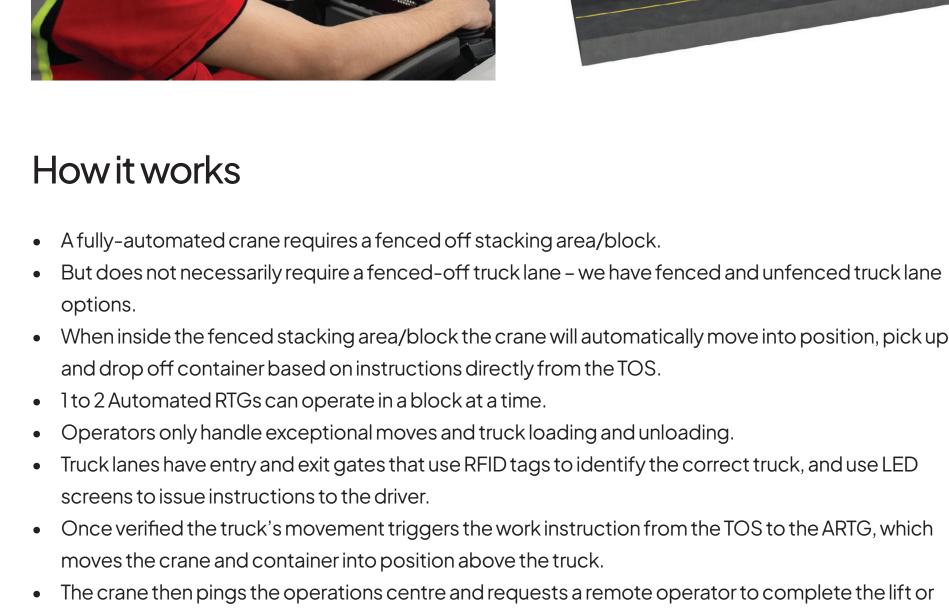
**RTG** 



diesel genset RTGs to be automated

Field-proven entirely wireless communications technology for control video signals, enabling even

Deep technical support by way of a remote Crane Management System, as well as augmented reality



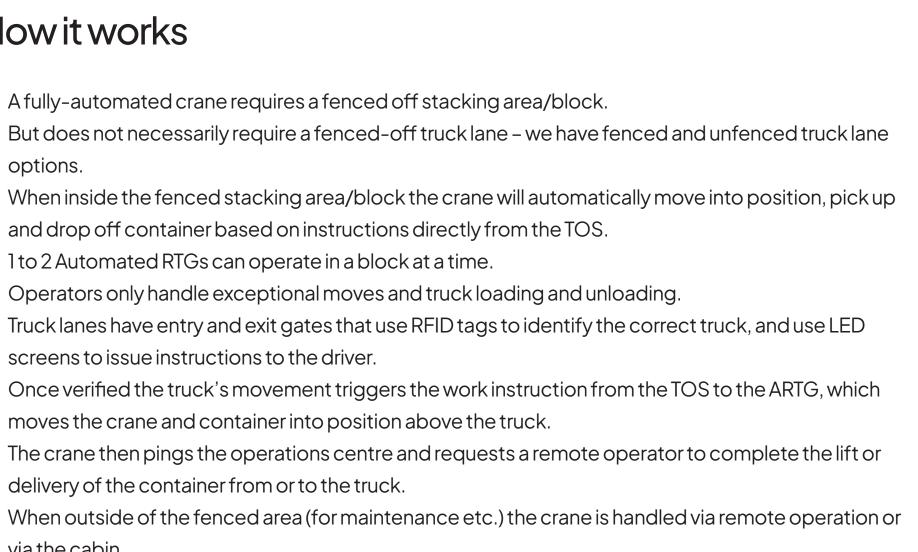
delivery of the container from or to the truck.

What you need to know

- Cabling stacking area components

Selected References

(Click on for the full case study.)



# via the cabin.

- Fencing of stack

Converting to an automated yard is a systemic change - we recommend a strong planning partnership with our system engineers. Infrastructure and preparation by customer.

It is advised that early on in the discussions the customer's existing IT network is reviewed with

Konecranes engineers.

- Network between crane and ROS is to be created by customer

Remote operating centre location and infrastructure

Certain changes may need to be made to customer's TOS.

- Contecar | Cartagena | 2019

**Bridging the OEM Divide** 

- - Konecranes is a global leader in

BCT | Belawan | 2018

TPKS | Semarang | 2015

**Pelindo III Returns** 

to Konecranes

Konecranes receives another order from Indonesia for its

> LBT | Surabaya | 2015 Konecranes Automates **Indonesian Giant**

automated RTG system

everyday improvements to the breakthroughs at moments that matter most, because we know we can always find a safer, more productive

material handling solutions, serving

a broad range of customers across

multiple industries. We consistently

and sustainable way. That's why, with

around 16,600 professionals in over

50 countries, Konecranes is trusted

every day to lift, handle and move what

the world needs. In 2023, Group sales

totalled EUR 4.0 billion. Konecranes

shares are listed on Nasdaq Helsinki

(symbol: KCR).

set the industry benchmark, from

'Moves what matters' and are either registered trademarks or

Ports. Evolved.

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KONECRANES Moves what matters.