



This tree-friendly pdf works best on screens and not paper.

KONECRANES®

HOW CAN

30% of a jelly fish's propulsion require zero energy?

An **evolved** dual vortex system, that creates thrust even when the muscles are inactive.



Ecolifting Retrofits

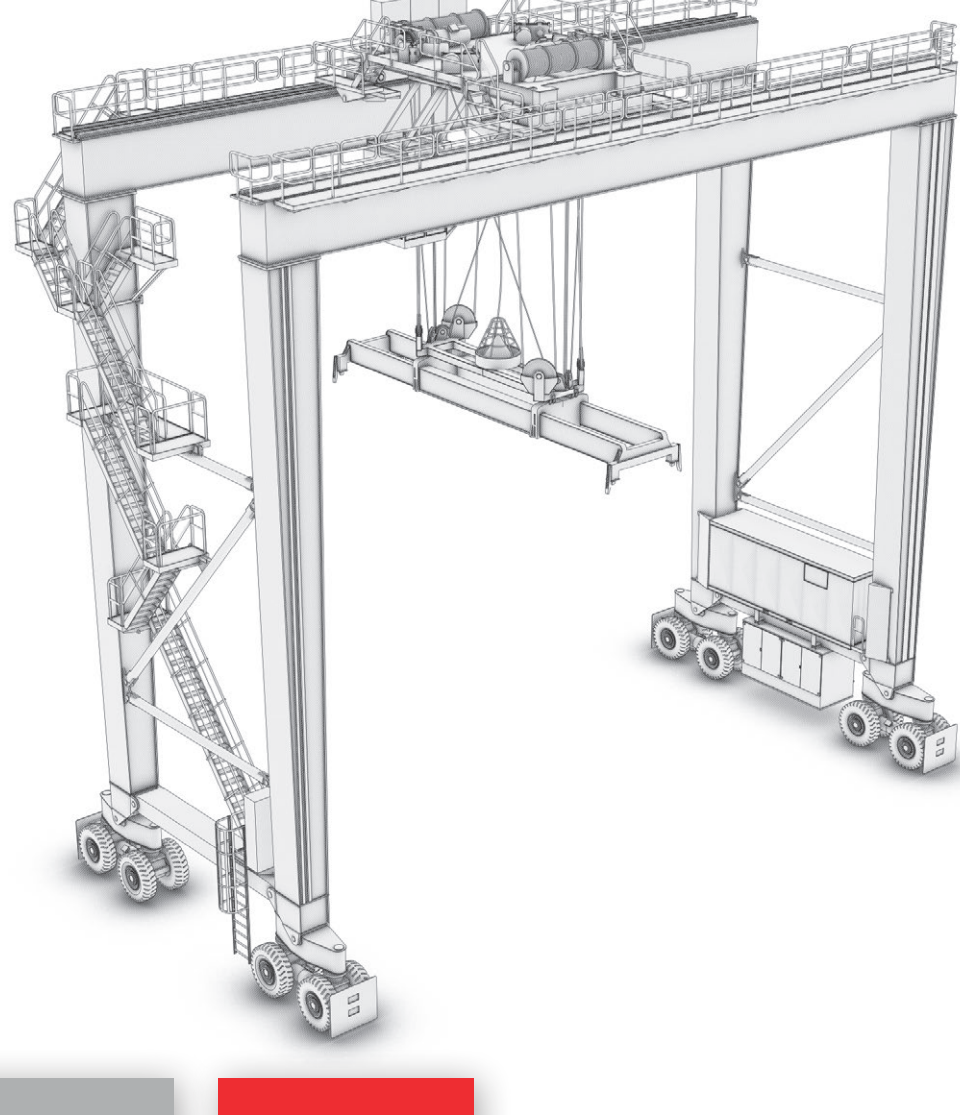
Simple electrical conversions that make crane movement safer, quieter and more efficient.

Power. Evolved.

ECOLIFTING RETROFITS

RTG Cable Reel

This fully electric conversion enables less fuel consumption, less maintenance, lower noise levels and fewer carbon emissions.



EQUIPMENT

This technology can be applied to any Konecranes RTG, as well as **other RTG crane brands.**

Equipment should be PLC controlled with PROFINET bus link.

RTG
Rubber-Tyred
Gantry

AB
Any Brand

BENEFITS

- Converts crane to 100% electric supply.
- Eliminates the need for refuelling and maintenance of diesel engines.
- Reduced annual running costs.
- Fewer emissions and less noise.

HOW IT WORKS

- The crane is equipped with a motorized cable reel and a transformer to feed electricity to the crane from the port mains.
- The power is fed to the crane through a flexible cable that coils automatically on/off a reel body on the crane while travelling.
- Reeling cable is stored alongside container stacking area and ends in either an end or centre feeding point pit station with appropriate plug/socket connection to the port's mains.
- It can be supplied in either Medium Voltage power or Low Voltage power.

WHAT YOU NEED TO KNOW

- Auto-Steering feature is mandatory for RTGs - to operate on virtual track alongside reeling cable tray on ground level.
- Customer is responsible for all site related civil works, infrastructure works and site related equipment, such as yard power supply and distribution system.
- Customer is required to provide either LV (1000V) or HV (up to max 12kV) supplying voltage on a yard junction box with plug connection.
- Konecranes will assist in providing the necessary information for our customers to complete these tasks.



SELECTED REFERENCES

HSL | Glasgow

CTSP | St Petersburg

MSC | Valencia

DPW | Yarimca

GT | Cai Mep

Year	Customer/Location	Quantity
2021	HSL / Glasgow	1
2020	CTSP / St Petersburg	2
2020	DPW / Yarimca	6
2020	MSC / Valencia	7
2020	GT / Cai Mep	18

Ports. Evolved.

KONECRANES®



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. The Group has more than 16,000 employees at 600 locations in 50 countries. Konecranes shares are listed on the Nasdaq Helsinki (symbol: KCR).

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