



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

## 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

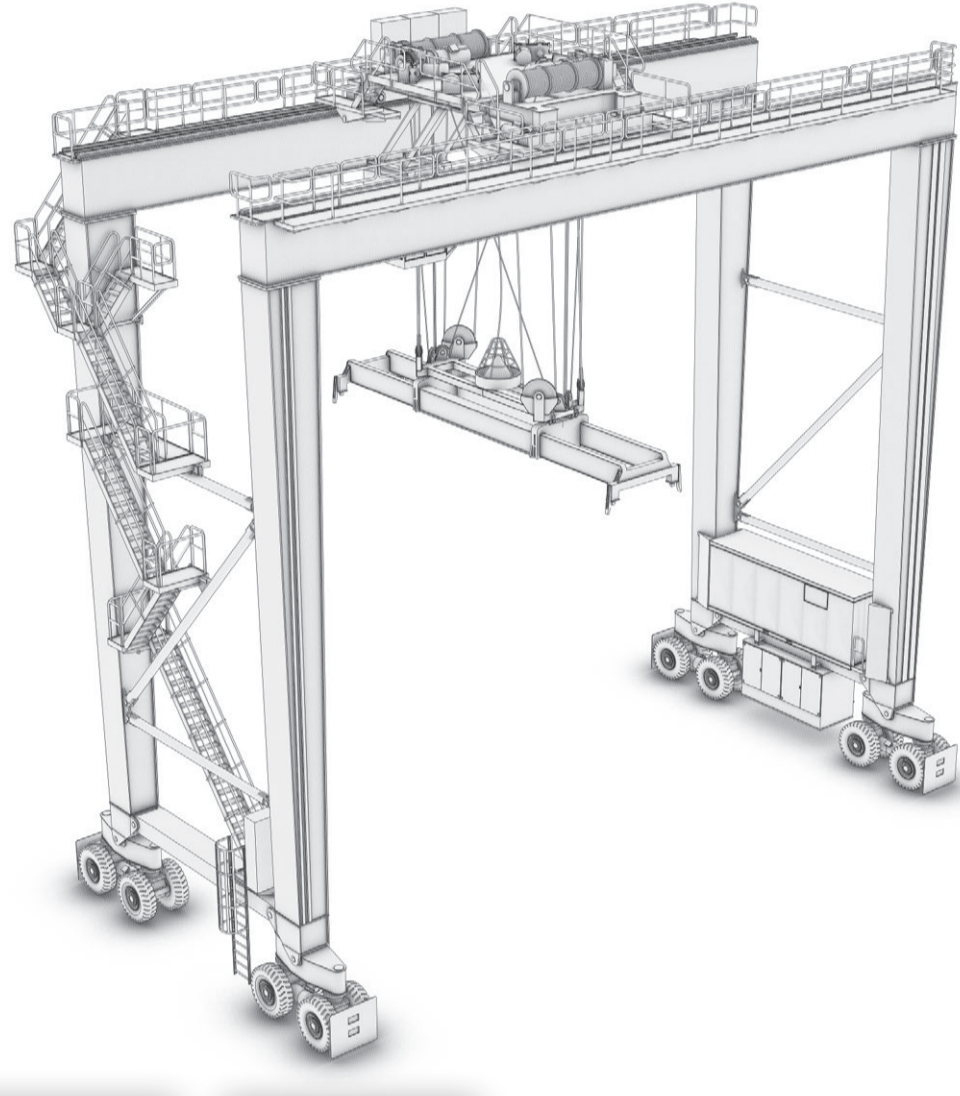
Simple electrical conversions that make crane movement safer, quieter and more efficient.

### 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




Year	Customer/Location	Quantity
2022	PD Ports/ Teesport	4
2021	HSL / Glasgow	1
2020	CTSP / St Petersburg	2
2020	DPW / Yarimca	6
2020	MSC / Lausado	3
2020	GT / Cai Mep	18

## Ports. Evolved.

# KONECRANES



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