

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

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

Power. Evolved.



Ecolifting Retrofits

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

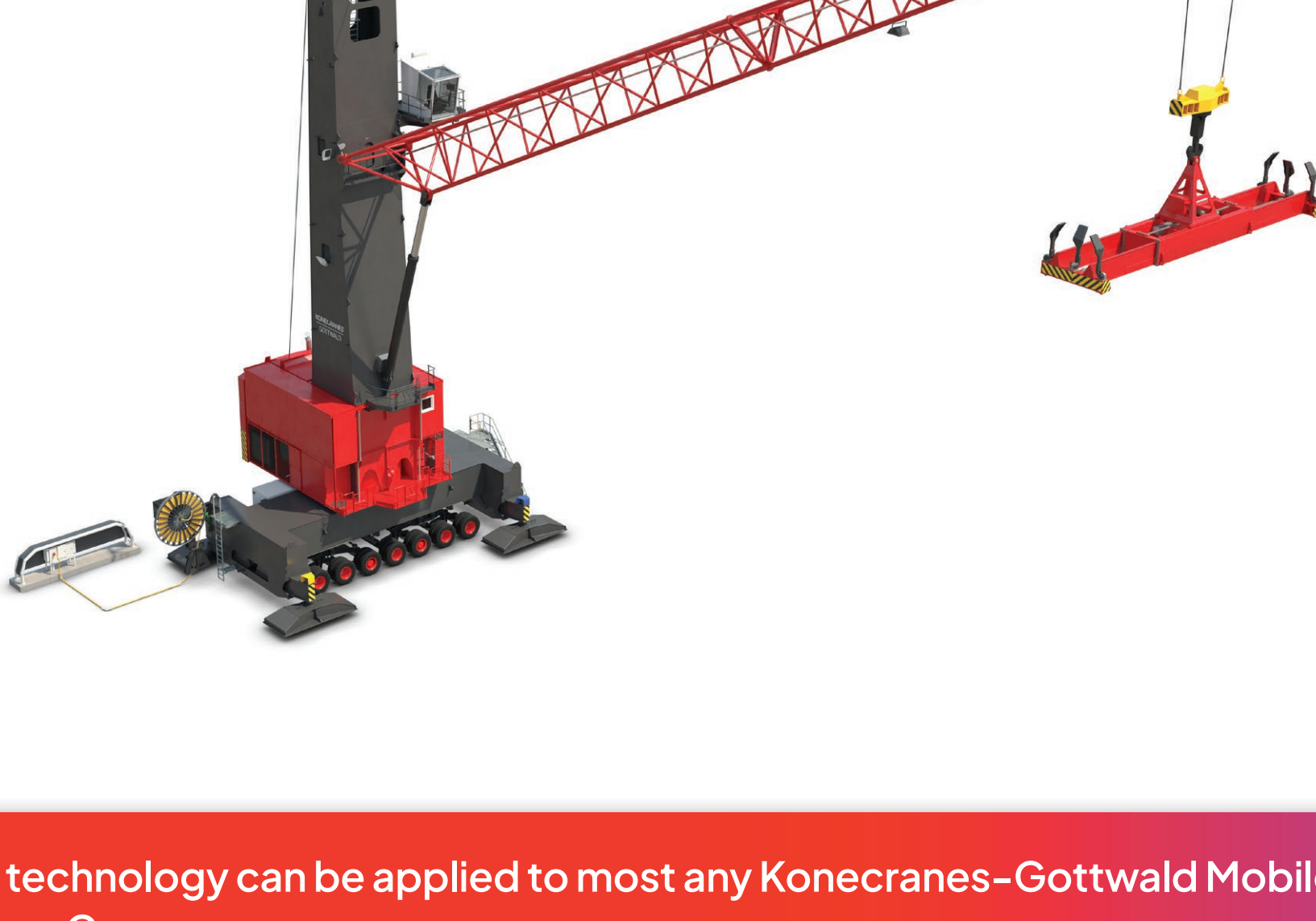
MHC Cable Reel

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

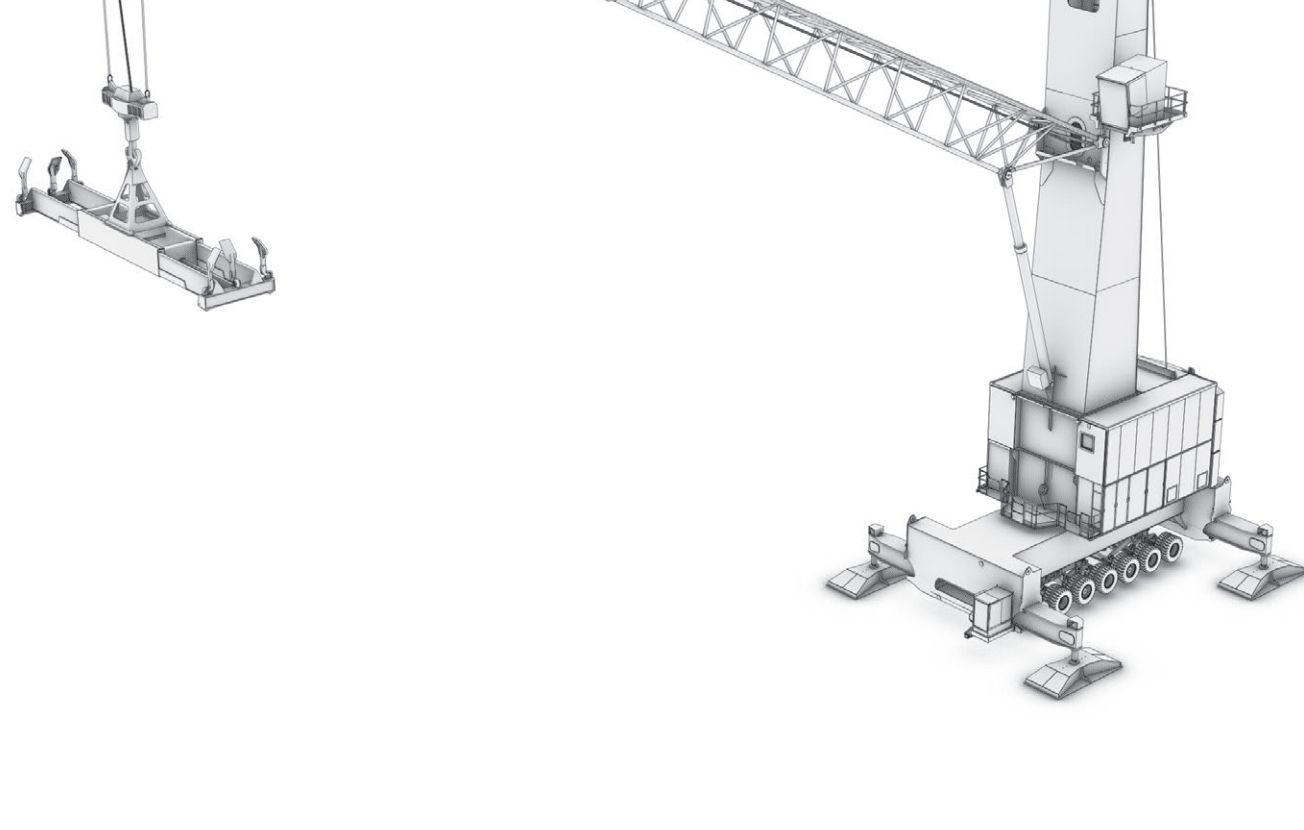
Adapt and thrive
Konecranes is the premier port services provider to brownfield terminal developments. Our range of retrofit products will enable your fleet to adapt to a fast-changing environment. Welcome to your evolution.

Benefits

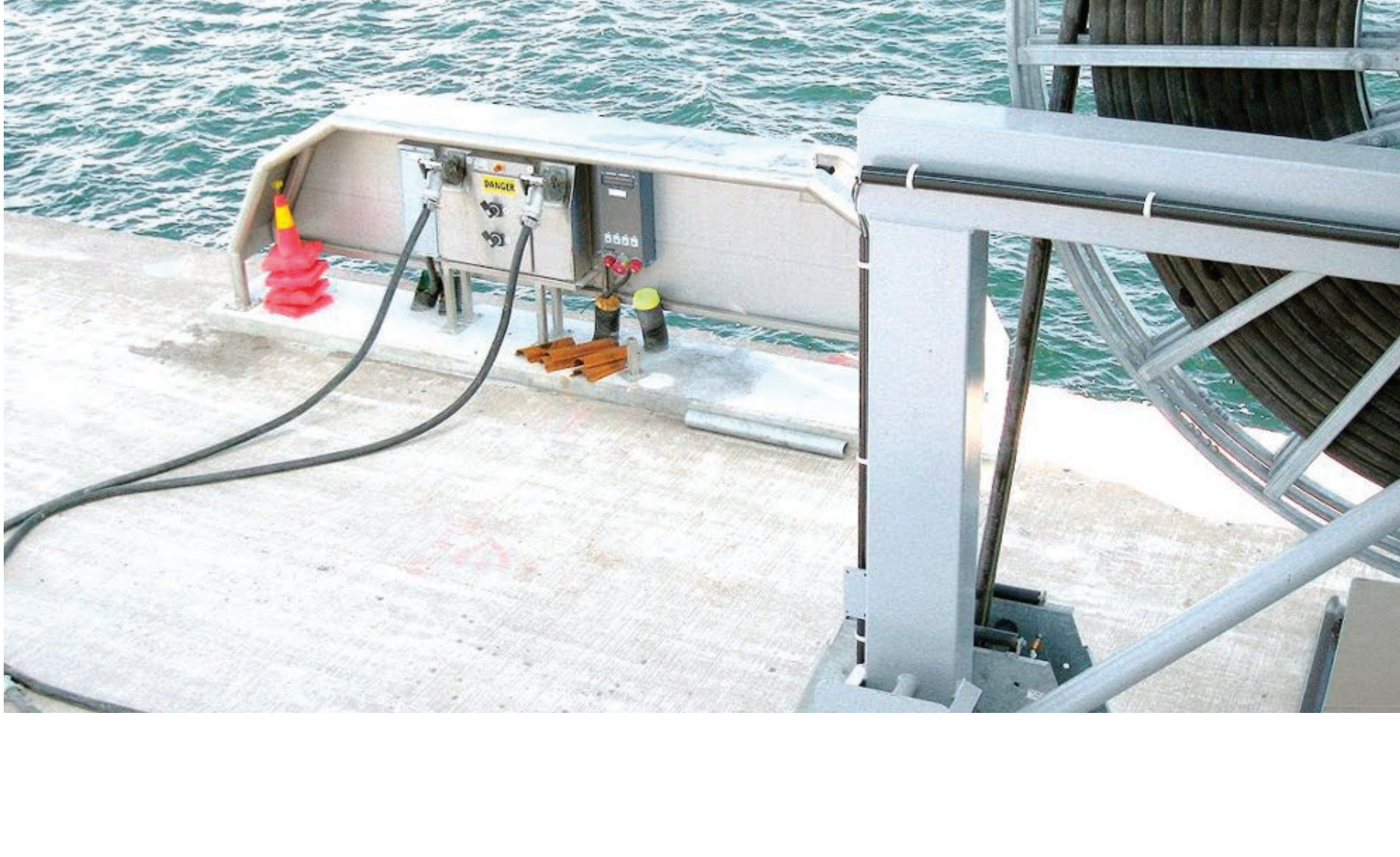
- Converts crane to 100% electric supply
- Eliminates need for refuelling and maintenance of diesel engines
- Decreases maintenance services, annual running costs
- Reduced energy, liquid consumption and impact of hazardous materials
- Fewer emissions and less noise



This technology can be applied to most any Konecranes-Gottwald Mobile Harbor Crane. Available for different levels of grid supply voltage: low voltage (up to 690V) and medium voltage (up to 15kV.).



MHC
Mobile Harbor Crane



How it works

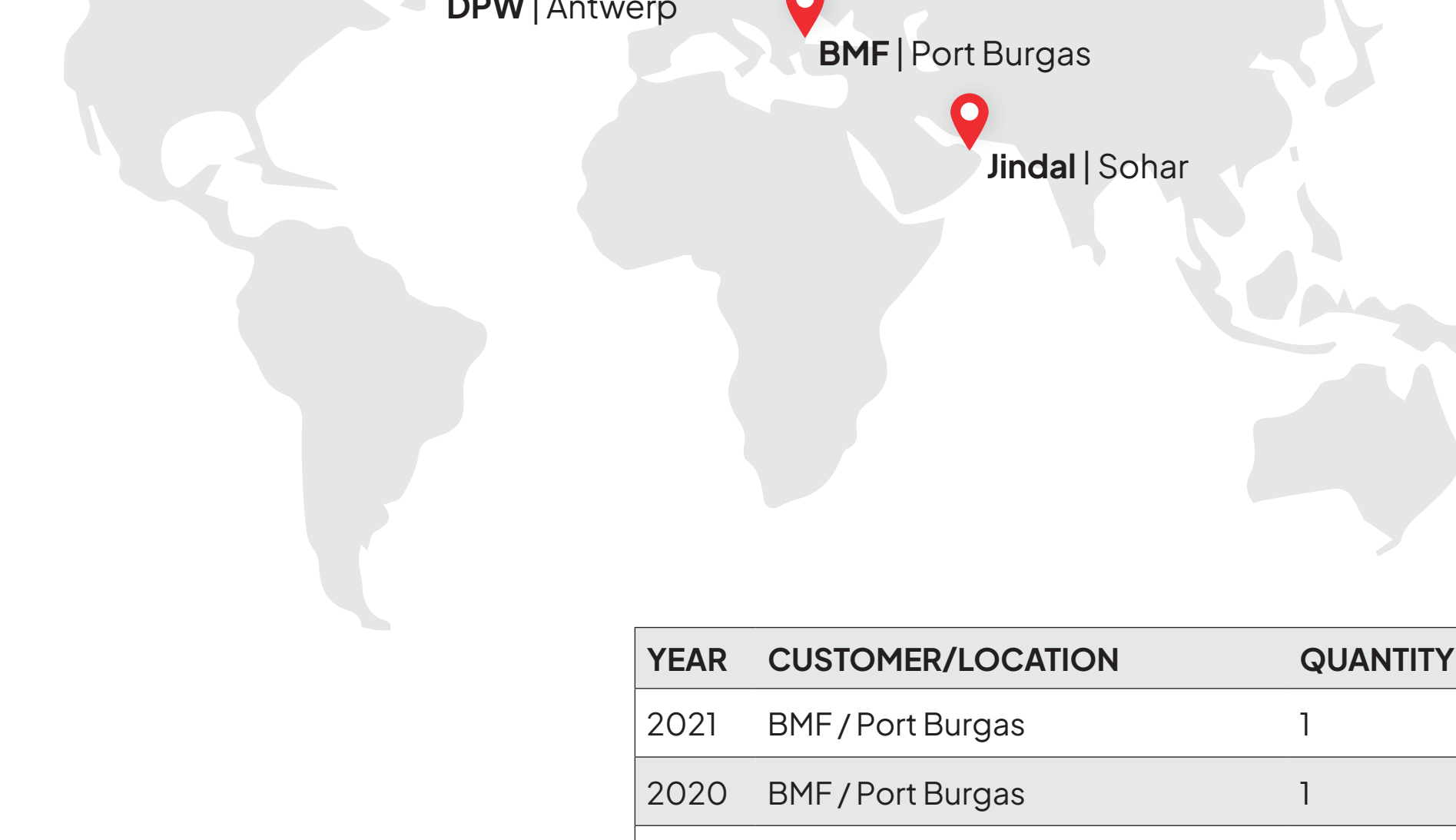
- Power is fed from the port mains to the crane through a flexible trailing cable that coils on/off a reel body via a motorized cable reel.
- The turn-key solution converts the crane to fully electric operation.
- Preferred main grid voltage is medium voltage (>1000V) but can vary up to 15kV, supporting larger cranes and longer travelling distances.
- Low Voltage options are available for smaller cranes (up to 690V).

What you need to know

- Installation and commissioning takes on average 3 weeks per crane.
- There are different variants of cable reel power supply retrofit available.
- Customer to provide grid power either on LV or MV (up to max. 15kV) on a yard junction box with plug connection.
- 380V power supply is not applicable to any crane types.
- A protected storage area for reeling cable is needed, adjacent to crane runway.
- Customer is responsible for all site related civil works, infrastructure works and site related equipment.
- Konecranes will assist in providing the necessary information for our customers to complete these tasks.



Selected References



YEAR	CUSTOMER/LOCATION	QUANTITY
2021	BMF / Port Burgas	1
2020	BMF / Port Burgas	1
2019	Eimskip / Iceland	2
2018	Eimskip / Iceland	1
2018	Jindal / Sohar	1
2018	DPW / Antwerp	1

Ports. Evolved.



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 16,600 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).

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