

# ShoreCONNECT

for Container Vessels



## HARBOUR APPLICATIONS



**STEMMANN-TECHNIK**

QUALITY MADE IN GERMANY

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# ShoreCONNECT

## Reduction of emissions in ports

The emissions caused in the port area are a growing problem due to the increasing capacities of the ports.

For keeping the vessel functional in the quay area normally the required power is produced by means of auxiliary diesel engines and generators while the main engine is switched off.

However, a supply of ships by shore power systems already replaces these diesel-driven ship generators to a large extent in many ports around the world. The implementation of emission limit values and environmental specifications in general additionally expedite this development.

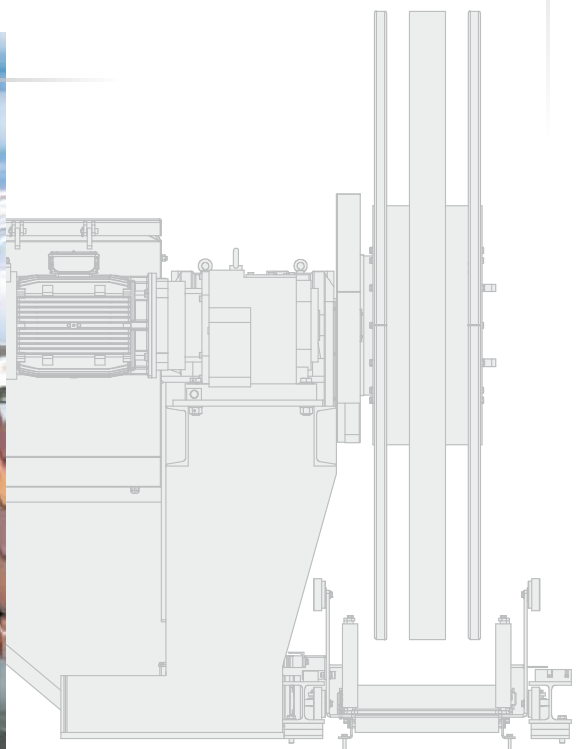
We offer systems and system components for feeding onshore power into the onboard power grid and thus contribute to reducing the emissions of air pollutants, noise and carbon dioxide in the port area.

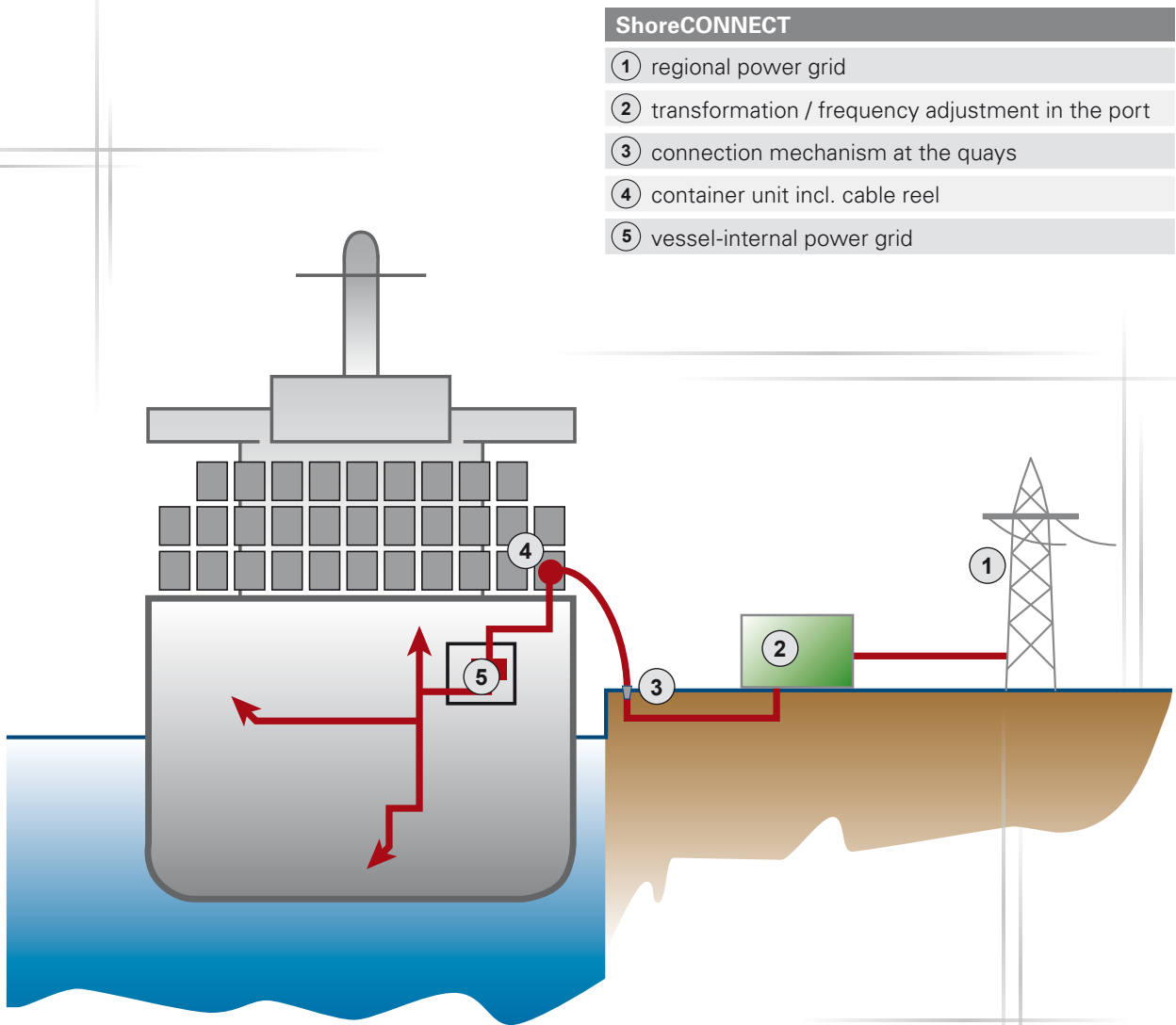
## ShoreCONNECT ■

Various designs for the ideal integration in every port area

Ship-side and land-sided cable management systems

Stationary and mobile cable supply solutions





### ShoreCONNECT

- ① regional power grid
- ② transformation / frequency adjustment in the port
- ③ connection mechanism at the quays
- ④ container unit incl. cable reel
- ⑤ vessel-internal power grid

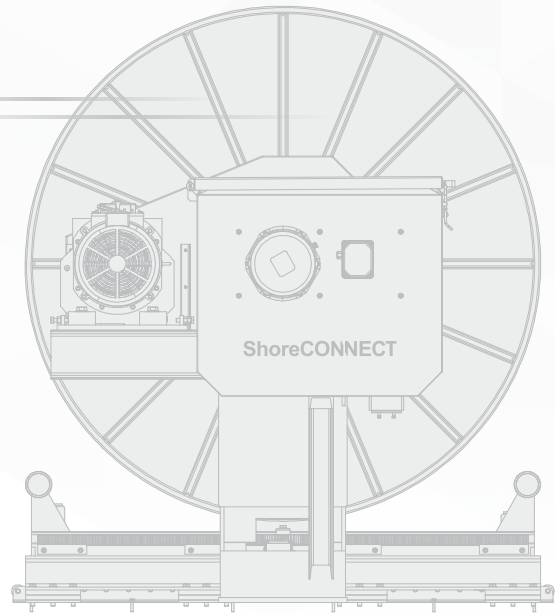
### TECHNICAL DATA (EXEMPLARY)

Version	spiral motor cable reel incl. extendable roller conveyer
Cable length	up to 35 m
Hoist distance	30 m to 35 m
Mounting height/height above quay wall	approx. 25 m
Winding speed	max. 12 m/min
Cable diameter	68 mm to 75 mm
Cable weight	9.9 kg/m
Voltage / power / amperage	6.6 kV / 7.2 MVA / up to 800 A
40 ft. HC-container (inside dimensions)	12.040 m x 2.340 m x 2.680 m
Reel body	core diameter = 800 mm / outer diameter = 2100 mm
Ambient temperature	- 25 °C to + 45 °C
Ambient conditions	sea-climate / application on vessels
Further components	slip ring assembly / fibre optic rotary connector

## Onshore power supply by means of container-system

The feed of the onshore power supply for container vessels is realised by the installation of a 40 ft. HC-container in the bottom storage row. The mounting height can be up to approx. 25 m above the quay wall.

The system consists of a spiral cable reel with slip ring assembly and fibre optic rotary connector incl. the drives for the reel and the extension system of the roller conveyer. The operation is effected by means of a radio remote control.







Corporate headquarters and manufacturing facility  
Schüttorf, Germany

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DIN EN ISO 9001:2008

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ROOF-MOUNTED PANTOGRAPHS



3rd RAIL CURRENT COLLECTORS



frost® GROUND CONTACTS



STINGER SYSTEMS

## INDUSTRY APPLICATIONS



CABLE REELS



SLIP RING ASSEMBLIES



FESTOON SYSTEMS



CONDUCTOR LINES

## CHARGING SOLUTIONS



ChargingPANTO®



ChargingREEL



ChargingSTINGER



FerryCHARGER

## ONSHORE POWER SUPPLY



FOR CRUISE SHIPS



FOR CONTAINER VESSELS

