

Gear your port up for the future with customized solutions!

/// ShoreCONNECT

Great Onshore Power Supply Solutions

/// FerryCHARGER

CHARGING WORLD'S SEASIDE







Nitrous Oxide (NO_x) – acid rain

Carbon Dioxide (CO₂) –
Greenhouse Gas – global warming



- Because I should:
 - Pressure from local city / politics / NGO's

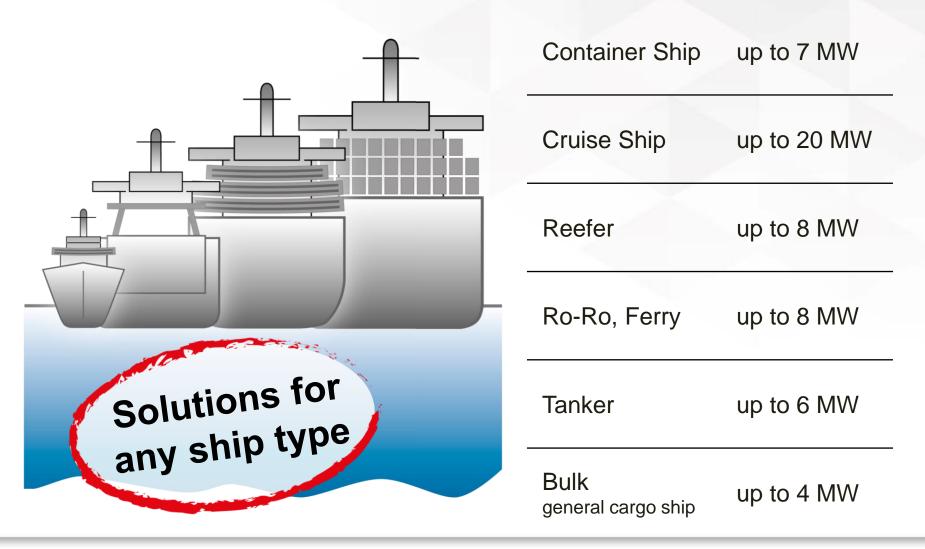


- Because I want:
 - Corporate target: going green
 - Cheaper than diesel (price kw/h, taxes, port fees)
 - Practical advantage (24h work)
- Because I have to:
 - Defined by law (f.e. California, Brussels, Norway, IMO)

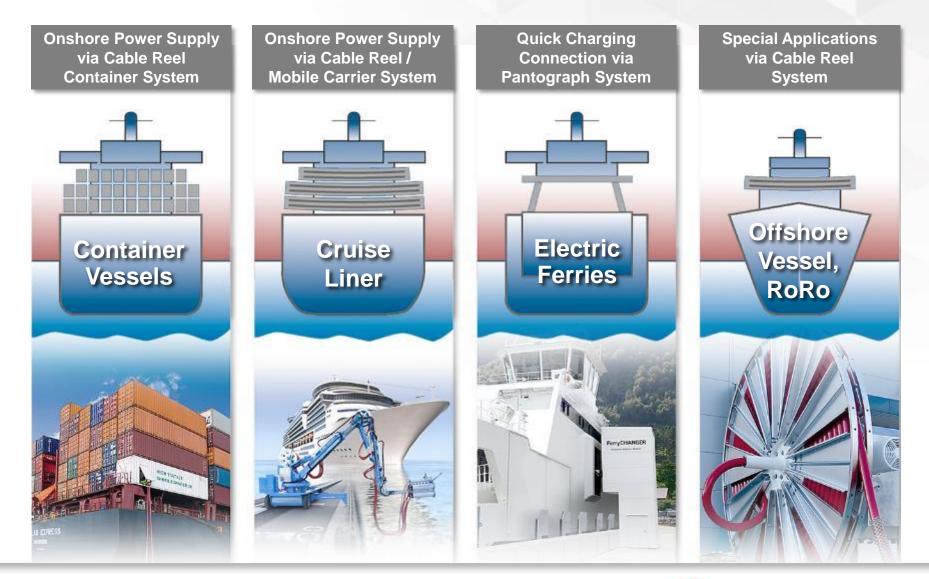


/// Average Power Requirements

... for various vessels types, LVSC/HVSC









ShoreCONNECT

/// Cruise Ships









/// Onshore Power Supply for Cruise Liner

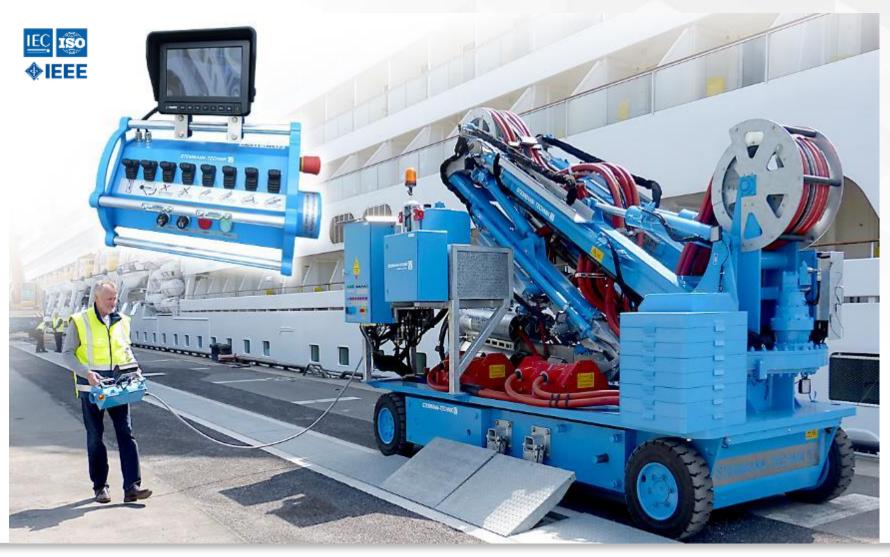
... fast and simple connection to the cruise ship





/// Onshore Power Supply for Cruise Liner

...land side procedure can be handled by one person





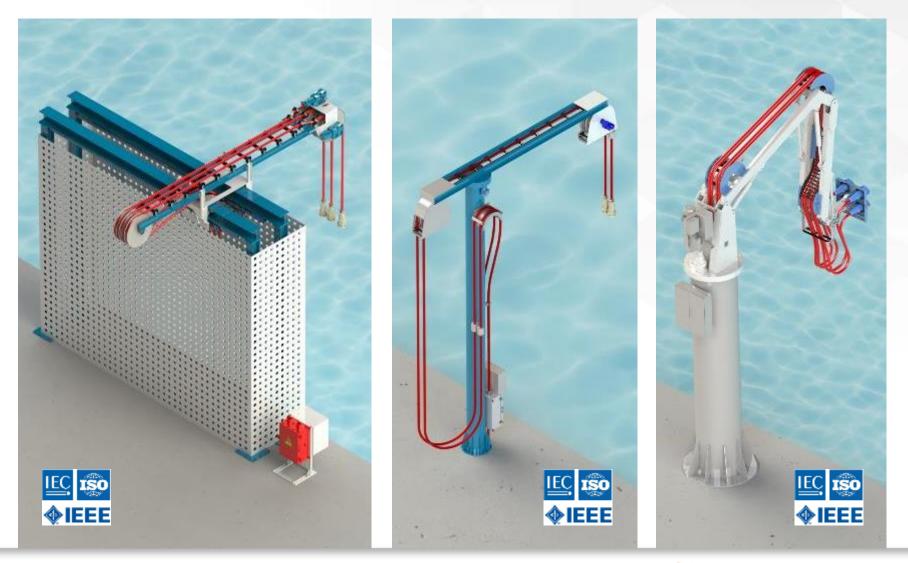
/// Onshore Power Supply for Cruise Liner

...various tidal range compensations





...for various vessels types



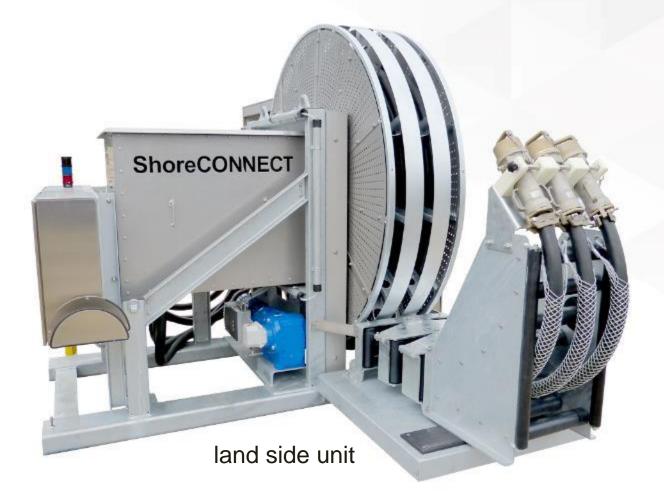


...for various vessels types





... for various vessels types





Connection box as land side and/or onboard unit





...for various vessels types



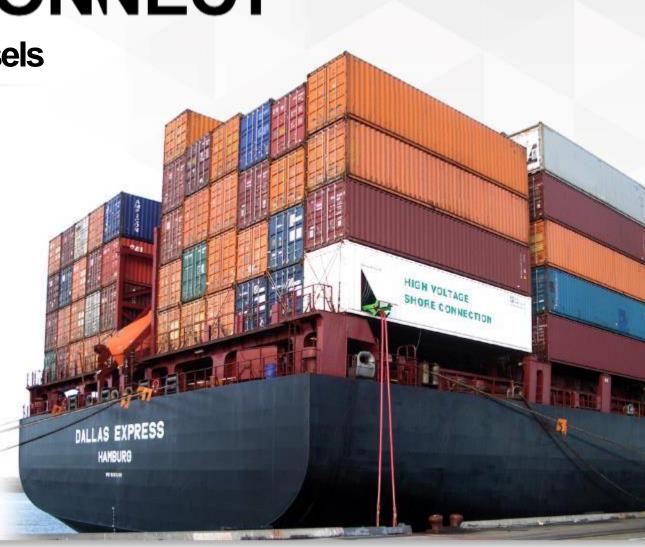


ShoreCONNECT

/// Container Vessels









/// Cable Reel Container Systems

...for container vessels



The feed of the onshore power supply for container vessels is realized for example by the installation of a 40 ft. HCcontainer in the bottom storage row.

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.



/// Cable Reel / Mobile Socket System

...for container vessels



Combination of HC-container installation on board and mobile socket installation land side.

Flexible mounting hights depending on the local conditions.

Flexible traveling lengths depending on the local conditions.



FerryCHARGER /// Charging worlds' seaside

The great automated tower solution for your ferry terminal





FerryCHARGER

...automated tower solution

System especially for ferries that cover short distances

fully recharge in 10 minutes

passenger service since 2015

400 kW to cruise at 10 knots

system secured into attractive housing

compensates ferry movement while docking

fully automated

connecting / disconnecting time only 7 seconds

replacement of 2,000-hp diesel engine

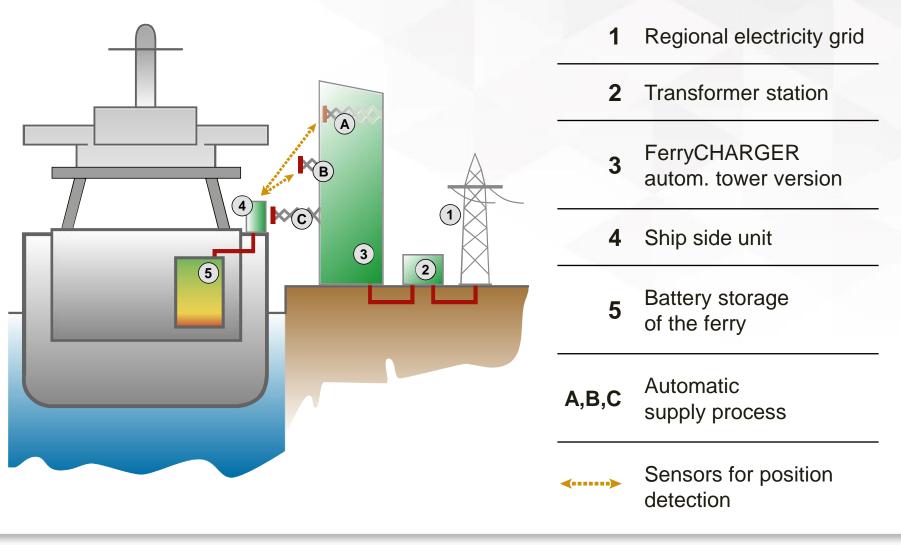
saving 264,000 gallons of fuel/year

saving nearly 3,000 tons of CO₂/year

powered by 800 kW battery











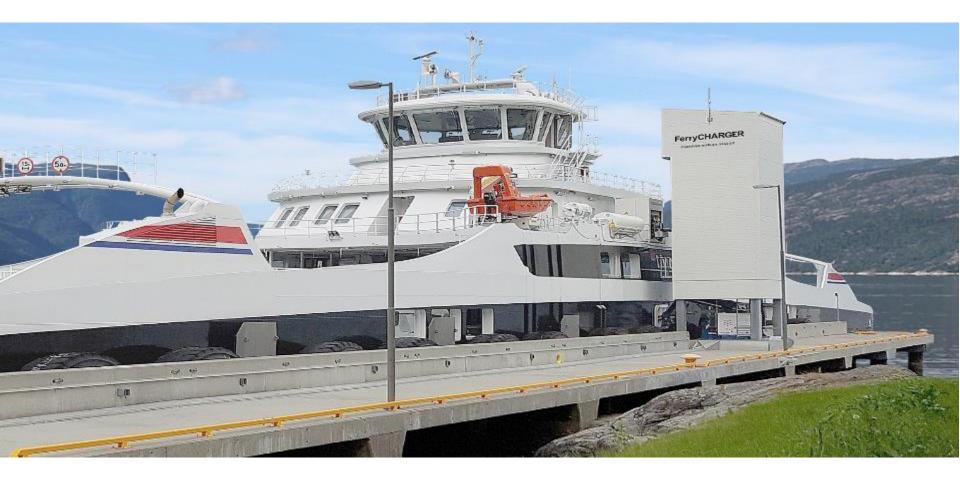


	TECHNICAL DATA	
	Voltage	Low-Voltage / High Voltage Up to 1000 V / up to 12 kV
	Amperage	up to 3000 A, continuous current, 100 % duty cycle
	Connecting time:	max. 15 seconds (technical specification)
	Control	control cabinet at the device
	Working range telescopic arm	vertical = appr. 5 m distance to vessel = max 1.8 m horizontal = 0,4 m
	Interface	Profinet
	Cycles	20.000 / year
	Telescopic Plug	Max. degree of fredome in rotation angle to the x, y and z axis of 5°

























Thank you for your attention

Visit us at Booth 5

Daiel Hoffmans

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