Marine Electrification Solutions

Rainer Altmeppen

Stemmann-Technik GmbH

Challenges and new Perspectives for the Maritime Industry
in Germany, Norway and the Netherlands

Leer, 16th September 2021

Stemmann-Technik
A Wabtec Subsidiary

Spectrum of solutions

FerryCHARGER

- Vessel size up to 200 PBE / 2500 PAX / 15 NM
- 750 kW… 15 MW
- Automatic connection
- 60+ units installed, mainly Norway and Canada

ShoreCONNECT

- Container, bulk, tanker, inland, cruise
- Up to 20 MW
- Manual connection
- 160+ units installed, cruise mainly in Europe + China

Stemmann-Technik
A Wabtec Subsidiary

Challenges

Charging of ferries, tugs, workboats:

- Constantly increasing power transfer rates
- Provision of sufficient electric power
- Enhance business case
- Design requirements
- Standardisation and modularisation
- Service to maintain high vessel availability

Stemmann-Technik
A Wabtec Subsidiary

Challenges

Land Power Supply:

- Negative business case for vessel operators
- Unclear political framework
- Power availability
- Highly individual quai-vessel set-ups

Stemmann-Technik
A Wabtec Subsidiary

Rainer Altmeppen

Germany

rainer.altmeppen@wabtec.com
+49 170 484 0090

Sofus Gedde-Dahl

Norway

sofus.gedde-dahl@wabtec.com
+47 901 41 963

Peter Blaauwgeers

The Netherlands

pblaauwgeers@wabtec.com
+31 62 2412305

Wabtec CORPORATION

Stemmann-Technik GmbH

Niedersachsenstraße 2 | 48465 Schüttorf | Germany
Phone: +49 5923 81 – 0 | Fax: +49 5923 81 – 100
stemmann-info@wabtec.com | www.stemmann.com