

FerryCHARGER

CHARGING WORLD'S SEASIDE



HARBOUR APPLICATIONS



STEMMANN-TECHNIK

QUALITY MADE IN GERMANY

FerryCHARGER

eMobility on land and on water

Modern mobility concepts and well thought out transport connections on land and on water are fundamental growth factors for tourism and the economy. Environmentally acceptable and economically efficient concepts are required to meet the ambitious targets, eg. to reduce the CO₂ emissions of the transport sector across Europe by 60% until 2050.

Due to improved battery capacities and optimized charging cycles, the radius of action of electric vehicles and other electrically driven vehicles is continuously expanding.

Short distance ferries are an ideal or partly indispensable means of transport in urban and rural regions. Nowadays, for example, ferry services that were shut down years ago are put back into operation to avoid overloaded road traffic. In cities with suitable waterways ferries once again take over important transport tasks, which can not be realized in "car-free city centre", otherwise.

Nowadays these connections are already partly operated by electric ferries. In the near future, this development will be strengthened.



FerryCHARGER ■

Various designs for the ideal integration in the ferry harbour area

Automated compensation of the ferry movement

Fast and automatic contact between ship- and land side for optimal charging cycles



Charging power supply at the highest level

Our FerryCHARGER system is the ideal charging system for all possible conditions and different ferry harbours.

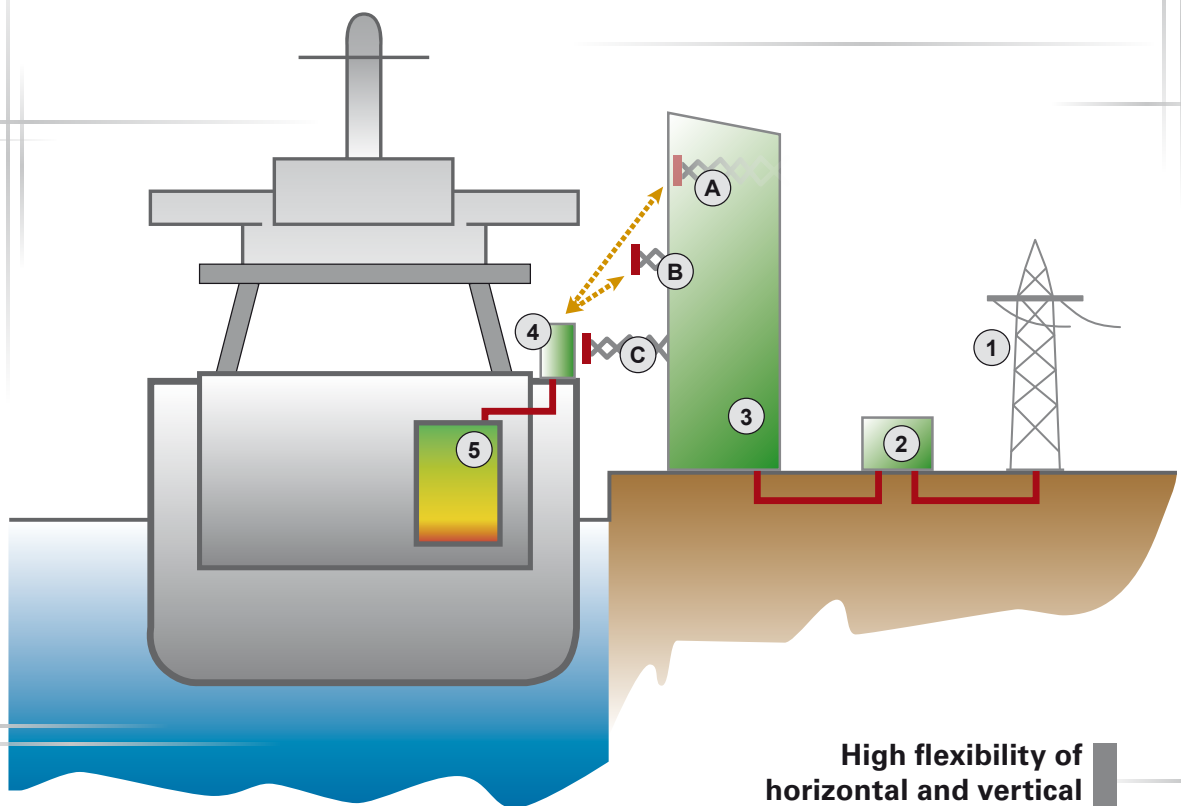
We develop, manufacture and assemble optimized units for land- and ship site.

Connection after arriving of the ferry within 7 seconds

Individual integration into any ferry quay/harbour

Remote maintenance/-control incl. video monitoring

Automatic compensation of ferry movements



High flexibility of horizontal and vertical working range

Optimized charging capacity

Secure housing when not in operation

Safe operation at low-/medium voltage

Proven components for highest requirements in maritime environment

FerryCHARGER

- ① Regional electricity grid
- ② Transformerstation
- ③ FerryCHARGER tower versions
- ④ FerryCHARGER ship site connection unit
- ⑤ Battery storage of the ferry
- Ⓐ Ⓑ Ⓒ Automatic supply process
- ←-----→ Sensors for position detection

Experience counts

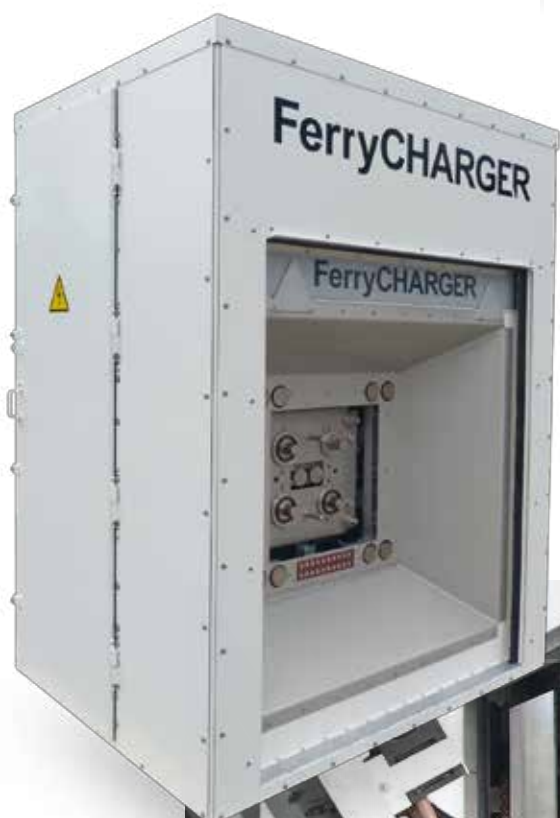
For decades our products are present in almost every port of the world.

Based on the knowledge through development and manufacture of countless energy- and data transfer systems in maritime environment we are developing solutions for the new application field of electric ferries.

**Trust in our Know-how
from decades of development
and production of energy and
data transfer for maritime
applications**

**Our FerryCHARGER systems based
on efficient design are suitable for
various types of ferries**

e. g. Low voltage (AC/DC) 200 KW up to 4 MW
Medium voltage (AC) up to 8 MW



left: ship side connection unit with sensor-controlled position detection and magnetic lock.

below: contact bars (ship side) and chargingPANTO (land side) of the 1st FerryCHARGER generation





Corporate headquarters and manufacturing facility
Schüttorf, Germany

We are one of the world's leading manufacturers of energy and data transfer components and systems in industrial and transport technology.

Drawing on our 100 years of engineering and practical research, we manufacture high quality products required all over the world, and create special, innovative, customised solutions.

A fundamental key to our success is our understanding of the importance of high quality in all areas of the company, ranging from customer-oriented advice to long-term service.

We guarantee high quality by upholding international standards and guidelines.

Since 2014 we belong to the Wabtec Corporation, a global provider of technologies, products and services in the field of railway and industrial engineering.

Through the integration of Faiveley Transport to the Wabtec Corporation in 2016 we are an important part of one of the largest public rail equipment companies in the world with more than 20,000 employees around the globe.

With know-how, product diversity and forward-looking innovations we are your excellent choice in the field of industrial and transit technology.

STEMMANN-TECHNIK
DIN EN ISO 9001:2008

TRANSIT APPLICATIONS



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

