



Innovation leader in the area of solar-powered vessels



Solar-powered vessels

emission-free • innovativ • economical

E-ferry

made in Mecklenburg-Vorpommern

✓ emission-free



✓ silent



✓ economical



Solar-powered vessels

- Berlin

emission-free • innovativ • economical

E - ferry

made in Mecklenburg-Vorpommern

- Established in 2014
- Operating **4 different innovative solar-powered ferries** and a rowing boat ferry
- 2 year-round routes plus 2 seasonal lines on the river Spree and around the lakes of Berlin
- Passenger volume: approx. 400.000 per year
- Shuttle traffic up to **15 hours service per day**



Solar-powered ferry



Solar-powered vessels

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E - ferry

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- Length over all 18,5 m
- Moulded breadth 5,22 m
- Moulded depth 3,46 m (excluding mast)
- Maximum draft 0,60 m
- Weight 20,0 t
- Top Speed 12 km/h
- Seats 35 - 49, 2 wheelchairs, 10 bikes
- Solar system 60 m² with 10,6 kw
- External power in 365 days and ~14 h service per day: 22 T kw/h = **approx. 0,83 € per hour**

Made in Stralsund



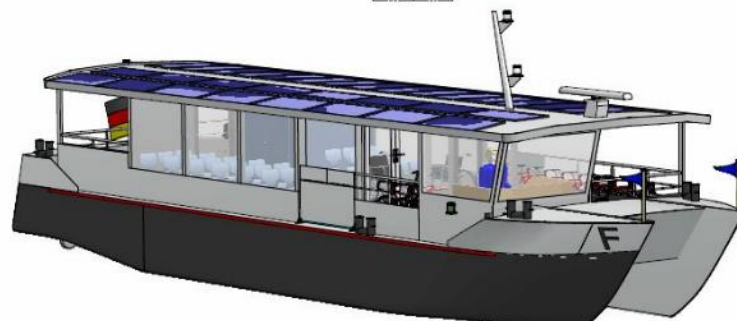
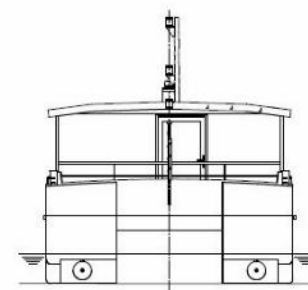
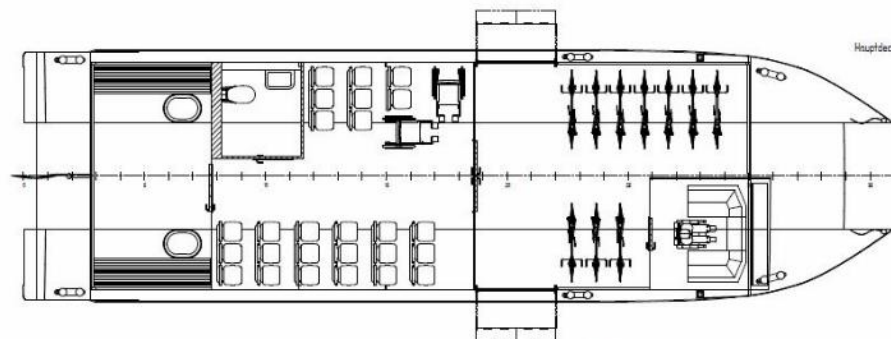
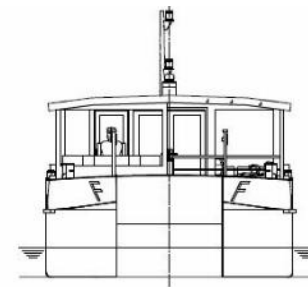
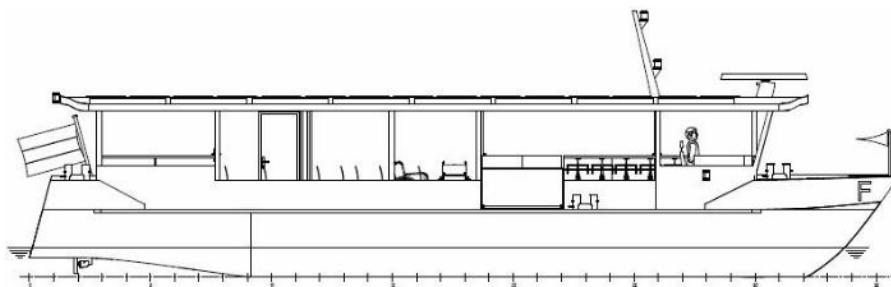
Solar-powered vessels

- Berlin

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Hauptabmessungen

Ansicht der Fährbrücke	30x11
Länge über Wasser	18,00 m
Breite über Wasser	5,22 m
Breite auf Sperr	5,10 m
Maximal-Vorwärtsgang	5,40 m
Gehäusethöhe	1,40 m

- Vortäufel



Die Art der Fertigung und die Art der Montage sind im Zusammenhang mit der Ausführung der Bauarbeiten zu berücksichtigen. Die Ausführung der Bauarbeiten ist im Zusammenhang mit der Ausführung der Bauarbeiten zu berücksichtigen. Die Ausführung der Bauarbeiten ist im Zusammenhang mit der Ausführung der Bauarbeiten zu berücksichtigen.

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Solar-powered vessels

- Wolfsburg

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E-ferry

made in Mecklenburg-Vorpommern

- Length over all 18,5 m
- Moulded breadth 5,22 m
- Moulded depth 3,46 m (excluding mast)
- Maximum draft 0,6 m
- Weight 18,0 t
- Top Speed 15 km/h
- Seats 60, two wheelchairs
- Solar system 66 m² with 10,6 kw

Made in Stralsund



Solar-powered vessels

- Known issues: propeller

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Solar-powered vessels

- Known issues: battery charger

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Solar-powered vessels

- Known issues: winch

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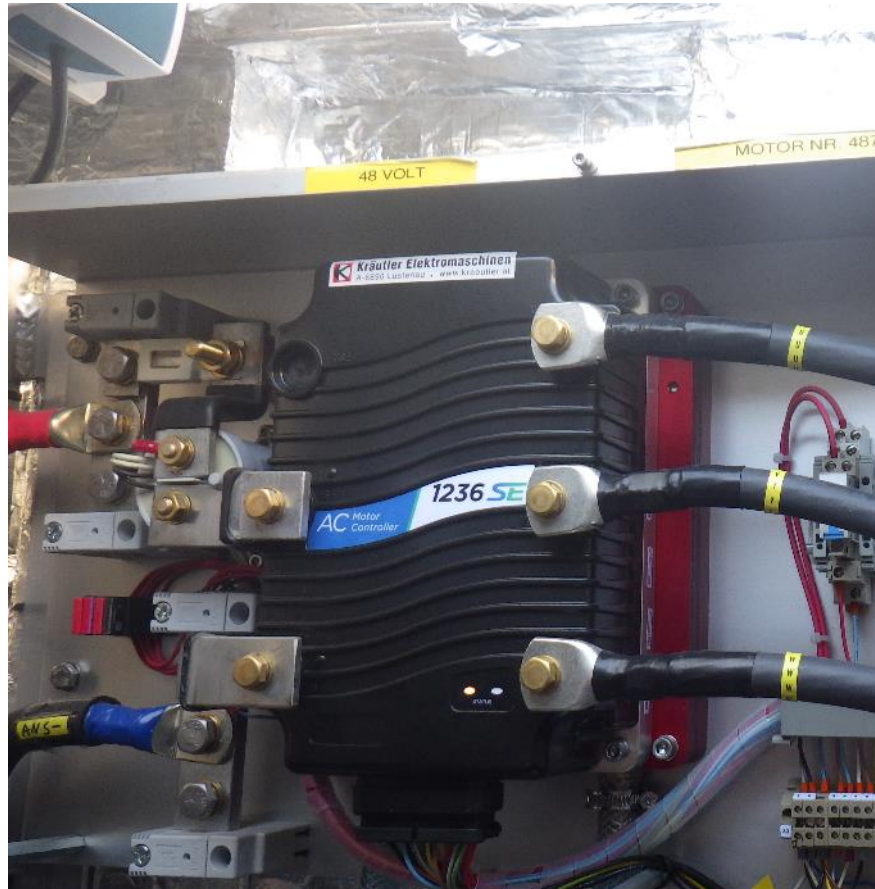
Solar-powered vessels

- Known issues: high current screw connections

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Solar-powered vessels

- Advantages: magnets

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Solar-powered vessels

- Advantages: corrosion-free

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Solar-powered vessels

- Advantages: reliability

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E-ferry

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Thank you for your attention!

