



maritime
cleantech

FREMTIDENS GRØNNE SKIPSFART / SKIPSTUNNELKONFERANSEN 2022 / ØYSTEIN HUGLEN



EQUIPMENT AND SERVICE SUPPLIERS

SHIP OWNERS

YARDS

PUBLIC SECTOR

maritime cleantech
Norwegian Centre of Expertise

GOLD Cluster Management Excellence
PROVEN FOR CLUSTER EXCELLENCE

17 PARTNERSHIPS FOR THE GOALS

ENERGY COMPANIES

PORTS

CLASS SOCIETY – REGULATORS

R&D AND EDUCATION

FINANCE & LAW

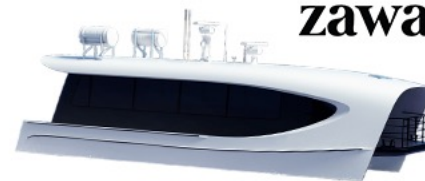


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PASSENGER TRANSPORT

TRAM

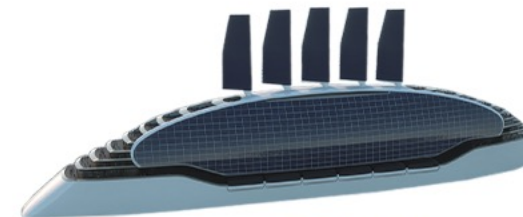


zawas

AUTONOMOUS VESSELS



CARGO VESSELS



CRUISE SHIPS

Innovation projects in the cluster



FERRIES



HyShip



RO-RO VESSELS



OFFSHORE VESSELS

SHIPFC
GREEN AMMONIA ENERGY SYSTEM



BARGE VESSELS

FLAGSHIPS



FISHFARMING VESSELS



EU Projects

TFAM

Transport Advanced and Modular

World first zero
emission fast ferry



FLAGSHIPS

Two commercially
operated hydrogen
fuel cell vessels.



SHIPFC

GREEN AMMONIA ENERGY SYSTEM

World's first
high-power ammonia
fuel cell on a vessel.



Ampere

AN ELECTRIC REVOLUTION IN NORWEGIAN FJORDS



2015

ALL FERRIES IN NEW
TENDERS MUST BE
LOW /ZERO EMISSION

2021

70 ELECTRICAL
FERRIES IN
OPERATION



REDUCTION IN CO2
EMISSION: EQUIVALENT
TO 350.000 CARS



MAJOR
REDUCTIONS
IN FUEL COSTS

TFAM



Transport Advanced and Modular



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SHIP
OF THE
YEAR
AWARD
2022

BY SKIPSREVIYEN

TFAM

Transport Advanced and Modular



Meet «Medstraum»



ELECTRIC ENGINES
2 x 550 kW



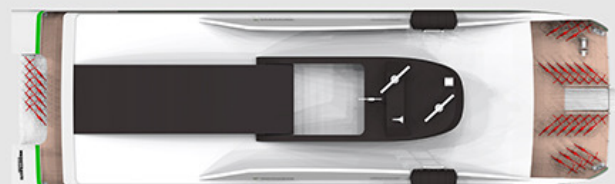
BATTERIES
1524 kWh



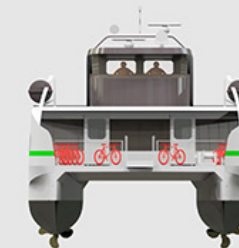
CHARGING CAPACITY
2,3 MW



MAX SPEED
27 knots



LENGTH
30,4M



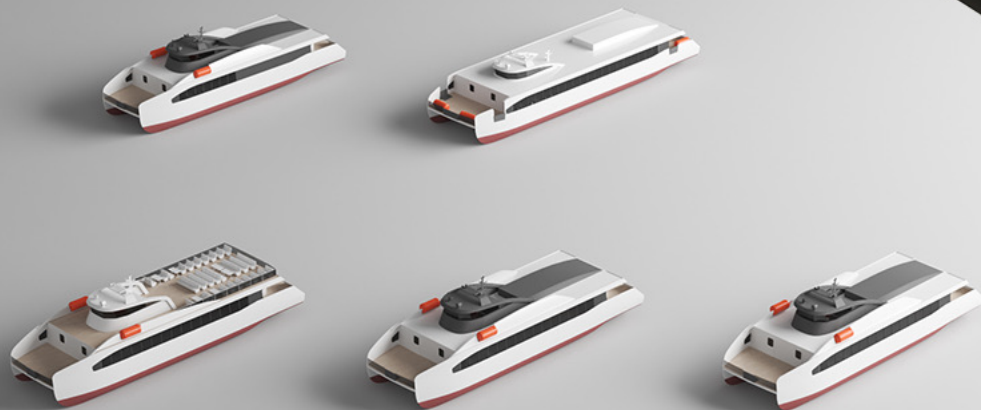
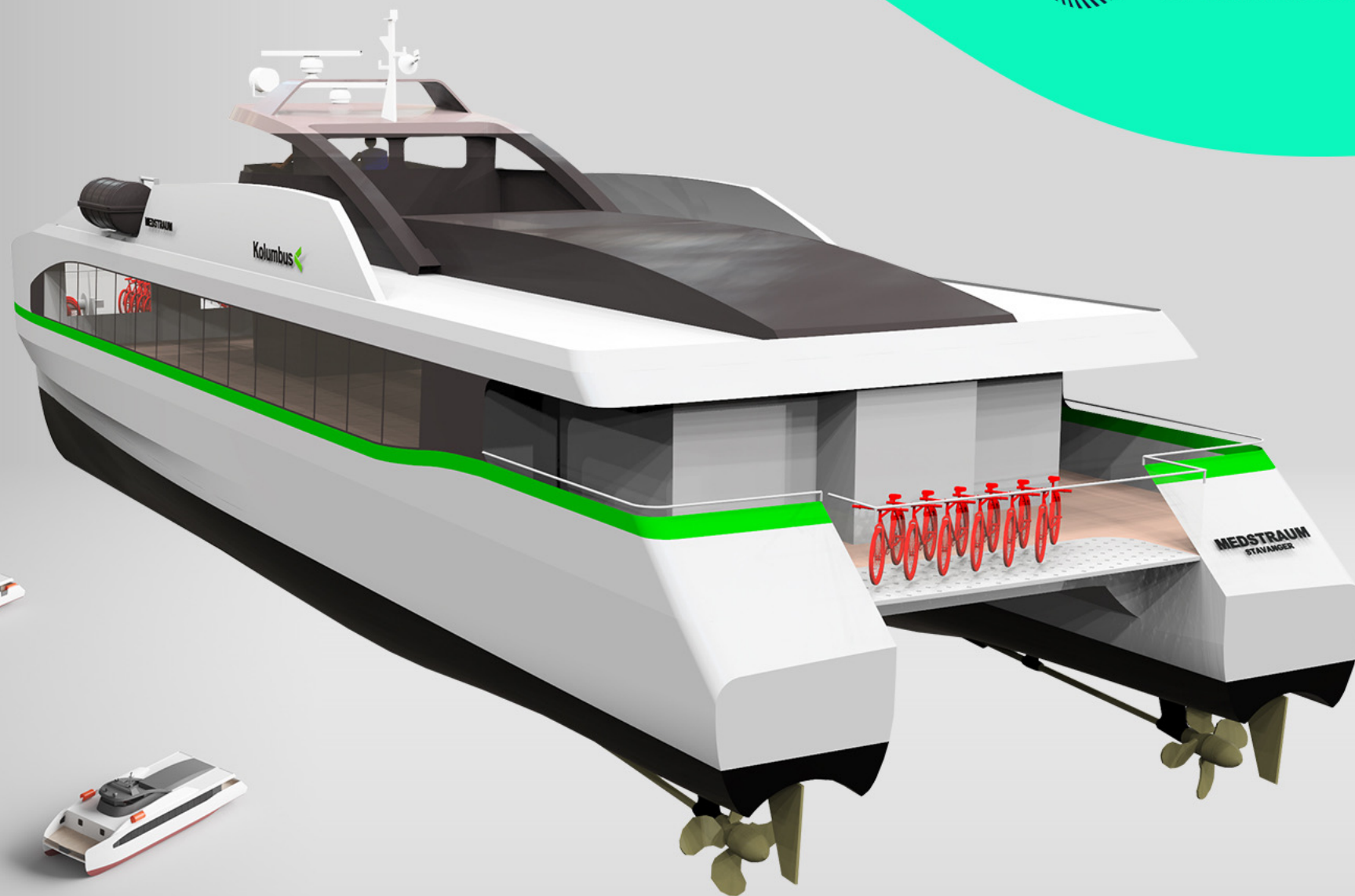
BEAM
9M

TFAM

Transport Advanced and Modular

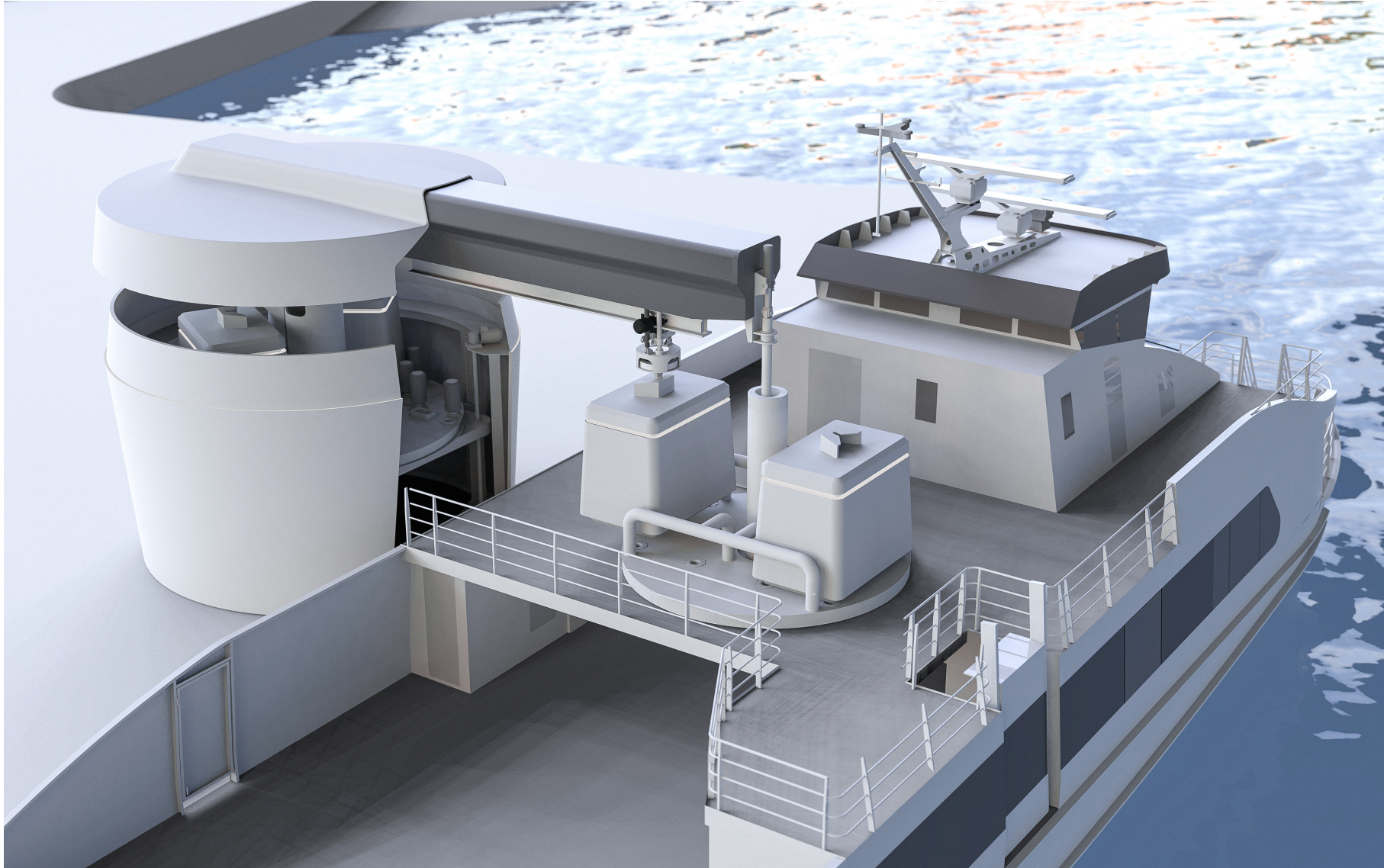


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Infrastruktur



Stad Skipstunnel



Turisme i fjordane



nuclear

wind

solar

Fremtidens grønne skipsfart



Out of the blue comes green.



@NCE Maritime CleanTech

<http://maritimecleantech.no>

