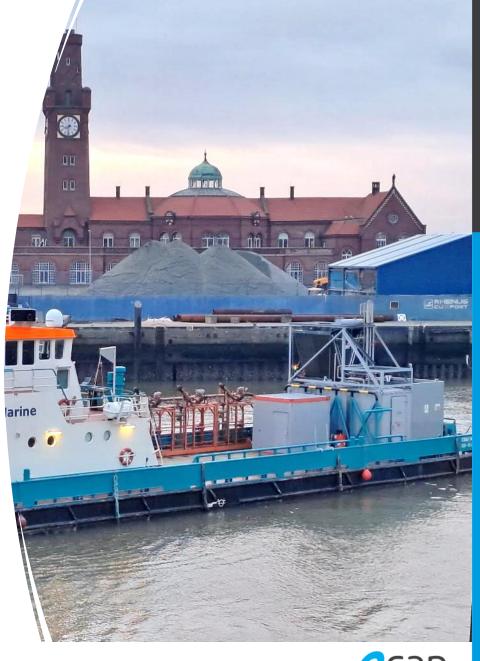


ZESTAsShipZero30 Conference 2025





eCap Marine's Scope of Consulting & Service

Pre-Project Manufacturing Consultancy Feasibility Studies Delivery - Design and manufacturing Conception Checking available Funds according rules & regulations Training / After Sales - Installation on board - In-house production - Commissioning - Approval by Flag &Class - Training of Crew and system user - SAT - Maintenance - Remote Condition Monitoring

dilo



Delivered eCap H2PowerPac with swappable tank



Integrated subsystems:

Ventilation and Exhaust

Control System

Fire and Gas Detection

Fire Fighting

Cooling

Electrical Power components:

DC-DCs, internal DC-bus

Fuel Cell System:

400kW

H2 Pressure Regulation

Swappable Hydrogen Tanktainer:

10ft Container frame

220kg at 380bar

Battery System:

280kWh



1,7MW by Fuel Cell powered B/Cs for Norwegian waters

Concept, Design, Approval and Delivery of

- FCs and Power System
- CH2 storage on deck
- Fuel Control System and Bunker Station
- Very high degree of automation



Design Phase

Deliveries in 2026 and 2027

3,2MW by Fuel Cell powered C/V for European Trades

Concept, Design, Approval and Delivery of

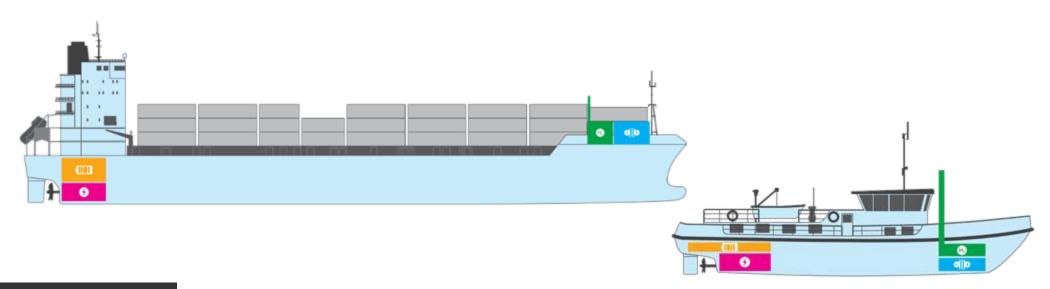
- Containerized on-deck FCs and Power System
- Highly redundant system
- Very high degree of automation





Key items for zero emission shipping

- Advanced ship voyage planning
- Heat recovery usage on board
- Optimizied power consumption on board
- Explore alternative designs of ship propulsion





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Sustainability in shipping

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