



PowerCell Group

Stuart Sharp
London, UK , 18-19/09/2023

true zero emissions

GOOD TO GO | LONG-TERM INVESTMENTS & EFFORTS



**COMPETENCE &
EXPERIENCE**



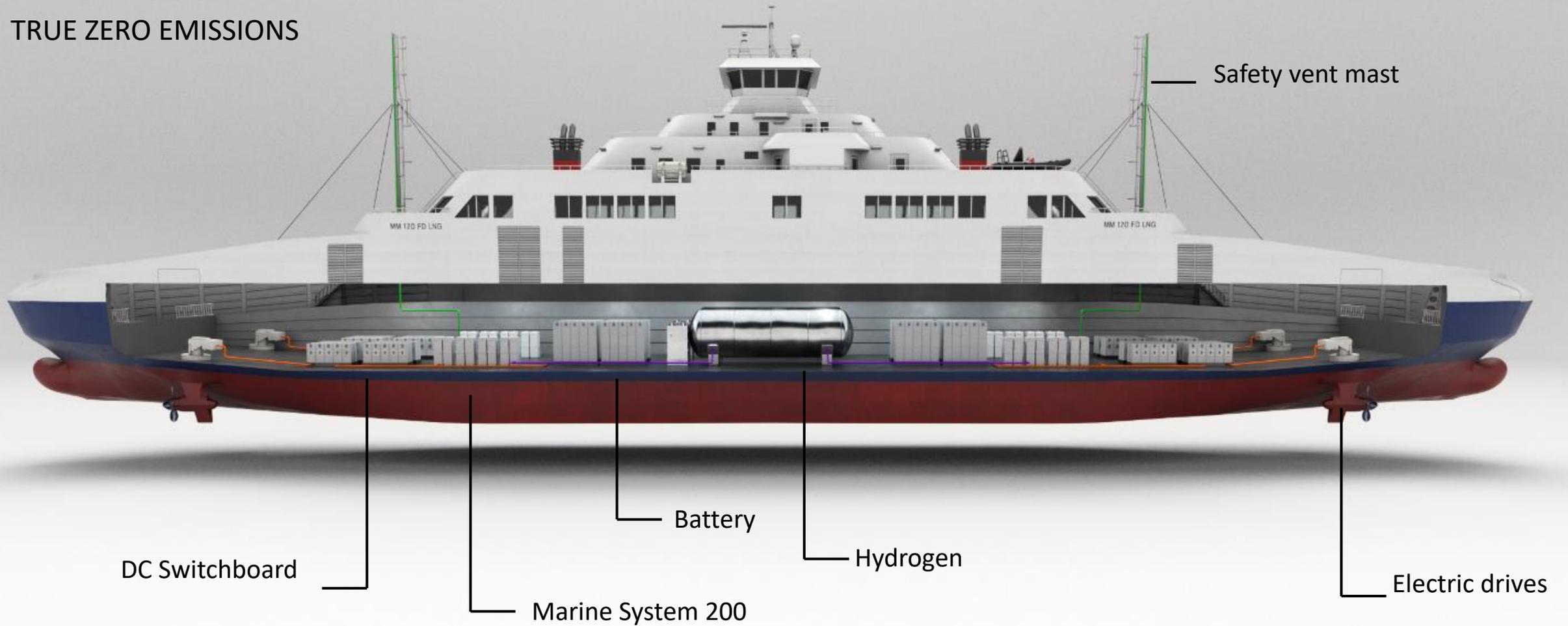
**INDUSTRIALIZED
PRODUCT
PORTFOLIO READY
FOR DELIVERY**



**GIGAFACTORY
ESTABLISHED IN
2020**

The vessel

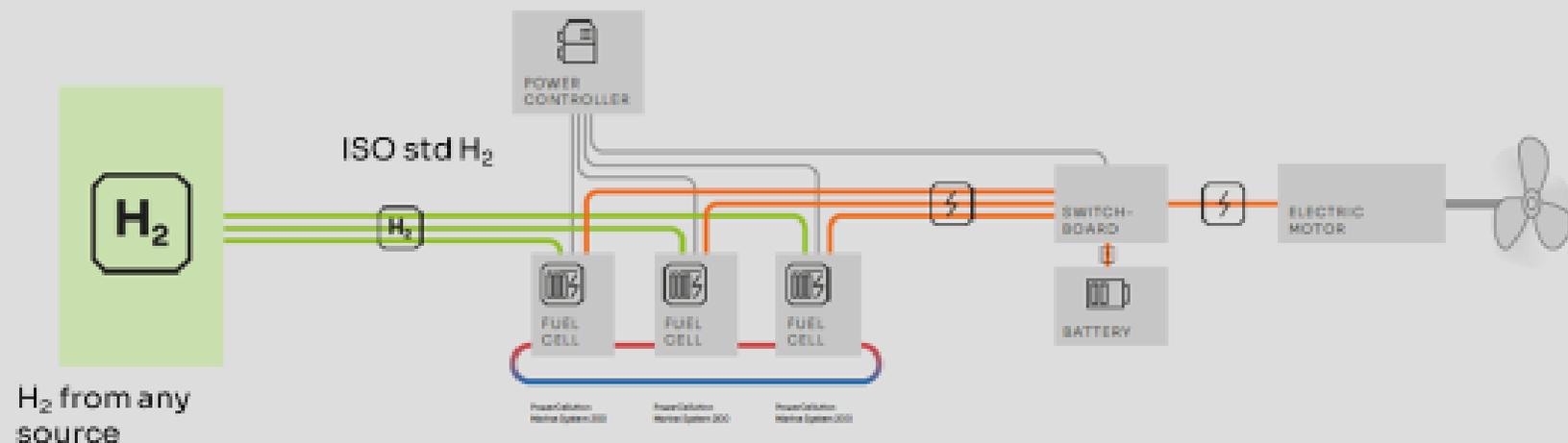
TRUE ZERO EMISSIONS



CUSTOMER SOLUTIONS

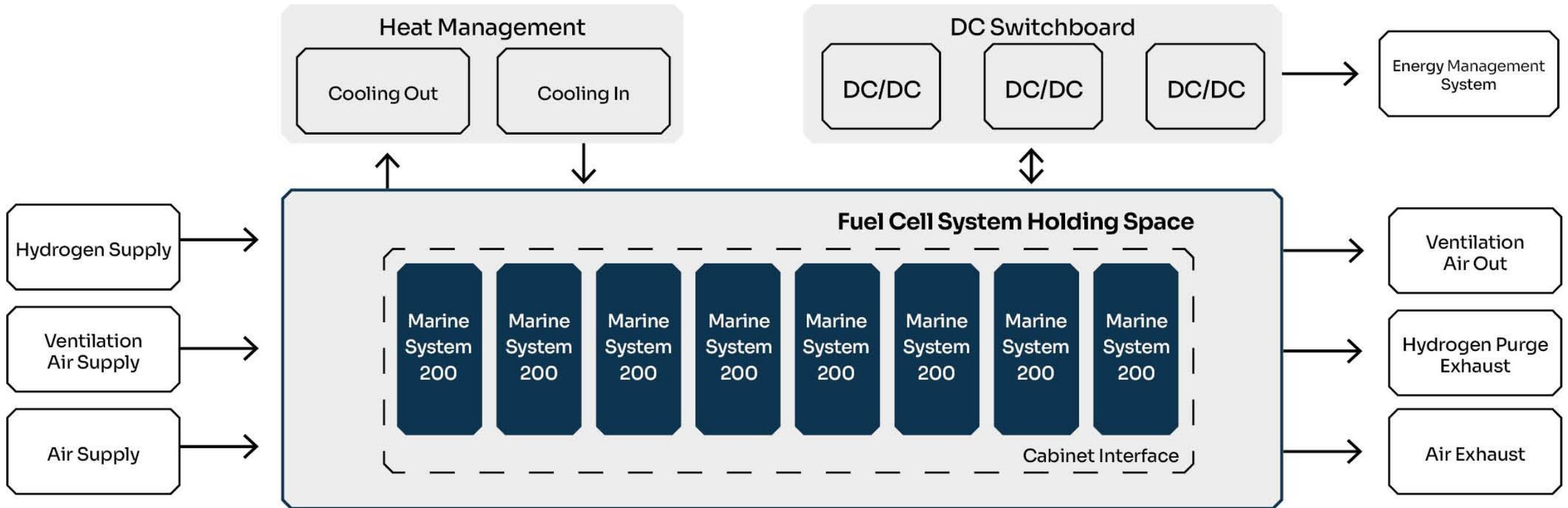
POWERCELLUTION PRODUCTS | SCALABLE PRODUCT PORTFOLIO

Installation configuration



Towards a zero-emissions future

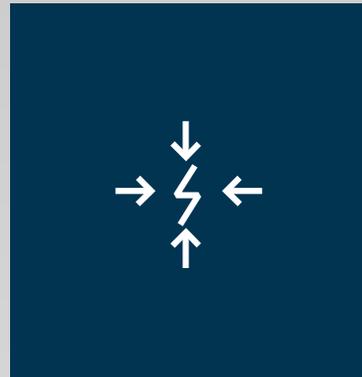




Marine System 200



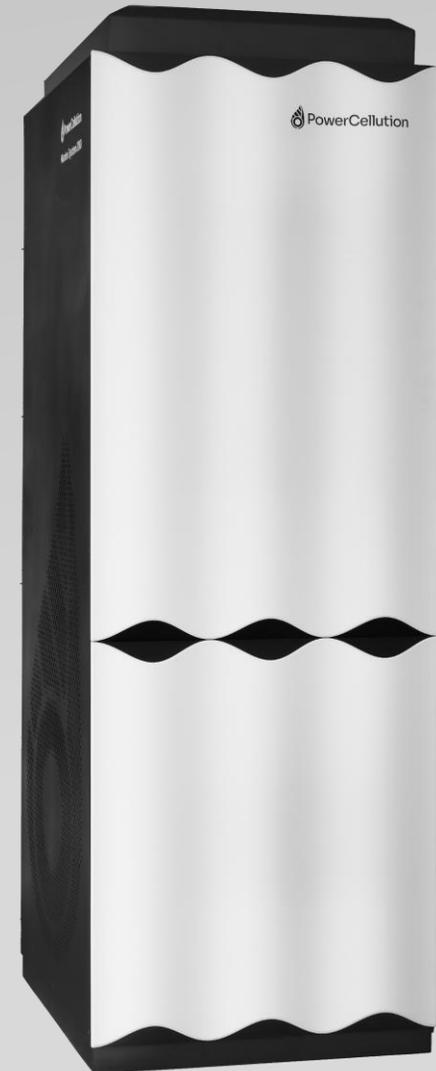
Scalable to MW



High power to weight



Easy service
Low maintenance cost

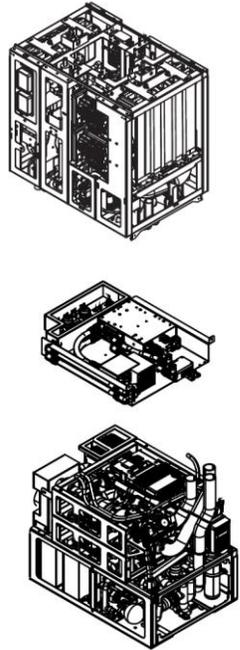


FUEL CELL SYSTEMS

Inside the system | low volume and vibration



PS-200



Notable features:

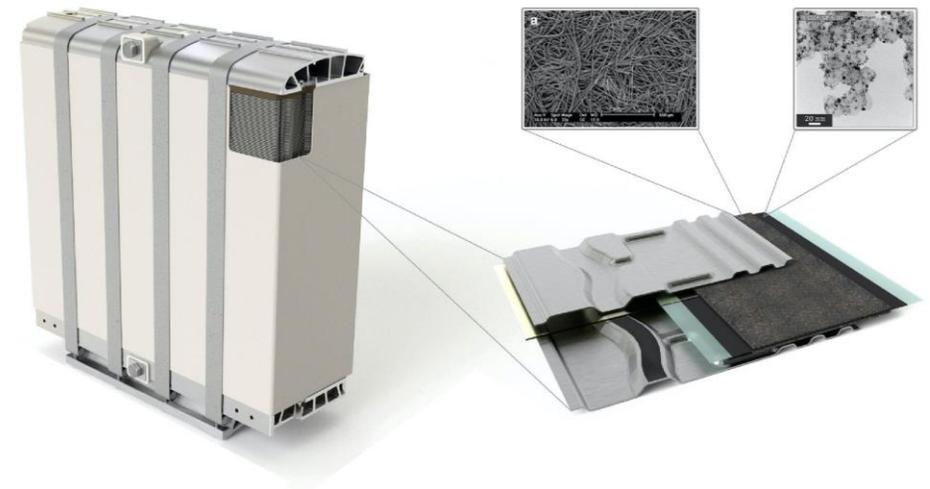
- No Pistons, no frictions
- 60 dB at max (operational 40)
- Noise emission at High frequency

true zero emissions

FUEL CELL TECHNOLOGY

THE FUEL CELL STACK

- Several *fuel cells* are arranged in a fuel cell stack to match voltage and power levels required in different applications.
- PowerCell's *fuel cells* consist of compact and lightweight metallic bi-polar plates combined with highly efficient membrane electrode assemblies.
- A fuel cell stack is in itself a completely passive component and thus needs to be integrated into a fuel cell system to generate power.



Start / News / PowerCell in final negotiations in one of the world's largest marine hydrogen fuel cell projects



The two hydrogen-powered vessels will operate on Norway's longest ferry route. © Nowegian Ship Design

PowerCell in final negotiations in one of the world's largest marine hydrogen fuel cell projects

PowerCell makes history

PowerCell is selected to delivery 13 MW of fuel cell power also to be operated in a 15-year service contract.



Lloyd's
Register

FULL DESIGN APPROVAL

EXPECTED Q3 2022



DNV-GL

APPROVAL IN PRINCIPLE

RECEIVED IN 2021



PowerCell Group