

TECO2030 MARINE FUEL CELL

Zero Emission Hydrogen Fuel Cell

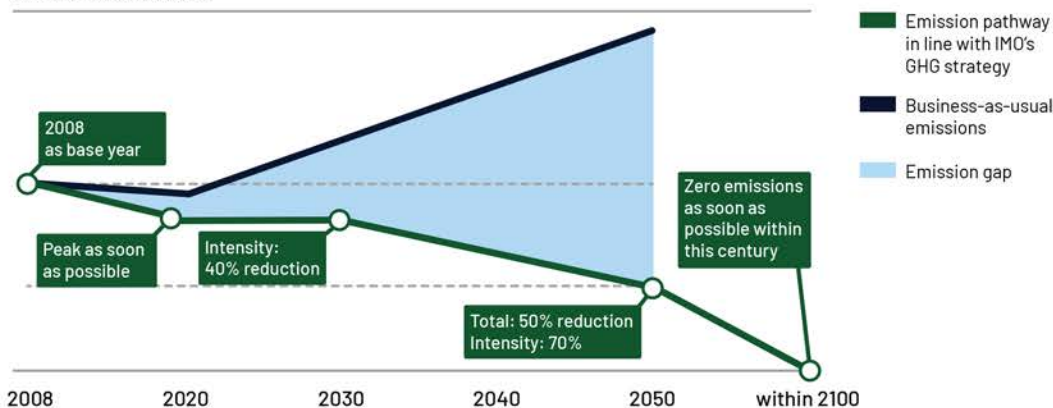


Move mountains. Make waves.

Fuel Cells powered by green hydrogen are today the only feasible option for zero-emission heavy-duty marine applications.

Pathways for international shipping's CO₂ emissions

Units: GHG emissions



Source: DNV GL, www.afi.dnvgl.com (extracted July 2020. Non-public information)



ZERO EMISSION
ON **MODE**



FCC 1600™
1.6 MW CAPACITY

Equivalent to
2 160 HP







FCC 3200™
3.2 MW CAPACITY

Equivalent to
4 320 HP



FCC 6400™
6.4 MW CAPACITY

Equivalent to
8 640 HP

-  TECO2030 Marine Fuel Cell emits no greenhouse gases, only water vapour and hot air.
-  Design according to land and marine standards.
-  Scalable from 400 kW to 80 MW.
-  TECO2030's strategic technology partner, AVL, has more than 20 years of experience in fuel cell development, and owns four times more fuel cell patents than all competitors combined.



Why TECO2030 Fuel Cell?



Turnkey solutions from survey through installation and commissioning



Zero-emissions, only water vapour and warm air



Fuel cells can be used to decarbonise land based heavy duty applications



Low maintenance and easy operation



Optimized design through advanced simulation



Competitive CAPEX and OPEX



Flexible, modular design



Customizable design to all ships, both new-build and retrofit



400 MW at TECO2030's new Gigafactory in Narvik in northern Norway by 2025