

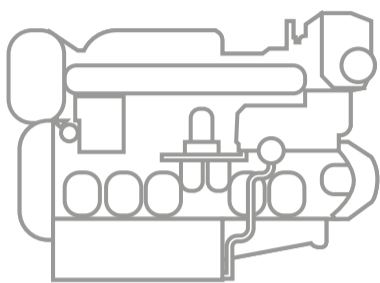
HYDROGEN FUEL CELL TECHNOLOGY: THE NEXT EVOLUTION OF MARINE TRANSPORT

The marine industry must **reduce GHGs by 50% by 2050**

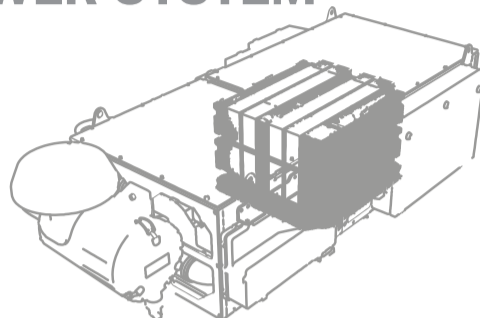
Hydrogen fuel cells offer superior operational benefits for zero-emission propulsion and power supply. Fuel cell technology is existing, proven, and available to vessel operators now.

COMPARABLE OPERATIONS

DIESEL GENERATOR



FUEL CELL POWER SYSTEM



KEY DIFFERENCES

DIESEL COMBUSTION VESSEL

CLEAN HYDROGEN FUEL CELL VESSEL

EMISSIONS

HIGH
EMISSIONS



ZERO
EMISSIONS



OPERATIONAL NOISE LEVEL

NOISY
OPERATIONS
UNPLEASANT
VIBRATIONS



QUIET
OPERATIONS
SMOOTH
RIDE



ACCESS TO PROTECTED ZONES

NO
ENTRY



WELCOME
ENTRY



ARCHITECTURAL LIMITATIONS



LARGE
CENTRALIZED
POWER SYSTEM



FLEXIBLE & MODULAR

Fuel cells can be scaled up from 100kW to 1MW+. They allow for distributed power across the vessel—which maximizes space utilization.

Zero-emission regulations are coming to the marine industry. With hydrogen fuel cells, you can meet them without compromise.