

## Renewable Energy & Tidal Power Project Samples



Design and construction support of fully electric sightseeing tour boat for operation in Rideau Canal (Ottawa Tour Boats).



Design of the new six-turbine PLAT-I 6.40 tidal energy system intended for deployment at the environmentally challenging Fundy Ocean Research Centre for Energy (FORCE) site in Minas Basin in the Bay of Fundy (Sustainable Marine).

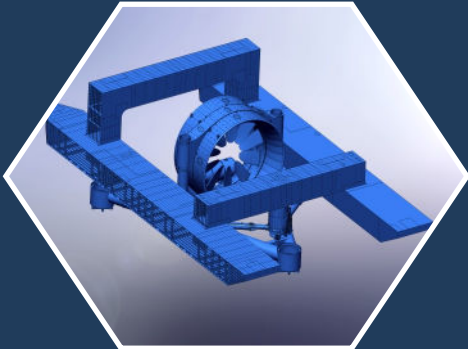
Detailed design and preparation of construction drawings of unmanned barge and heavy lifting frame to transport and maintain tidal turbines deployed in the Bay of Fundy (OpenHydro).



Study to determine the technical and economic feasibility of a multi-purpose shared marine asset to support tidal developers in Nova Scotia for Offshore Energy Research Association (OERA).

Concept design of hydrogen powered passenger catamaran for operation in PEI.

Conducted studies and investigations supporting the environmental mandate of Transport Canada for their two new RO-PAX vessels that will replace the MV Madeleine and MV Holiday Island, including: hybrid propulsion plant options study, electric propulsion options study, shore charging and infrastructure study, waste heat system options study, propulsion and fuel options summary, and LNG supply investigation.



Conducted a study for Canadian Coast Guard into vessel-based greenhouse gas and particulate matter emission monitoring equipment.