

Project Type(s):

NEW VESSEL DESIGN

Vessel(s):

Intra-NL Provincial Ferry Fleet

Client:

Department of Transportation and Works
Gov't of Newfoundland and Labrador



Profile:

- As part of the Department's ongoing Vessel Replacement Strategy, **Poseidon Marine Consultants Ltd.** designed two Ice Class ro-ro passenger ferries with capacities of 10 and 16 vehicles. With overall lengths of 37m and 42m respectively, these vessels are designed in accordance with the stringent Canadian marine regulatory regime, including fire safety, crewing, and damage stability, and as well are intended to be classed as Lloyd's Register Ice Class 1A.
- These vessels feature enclosed bows, accessible and centralized passenger seating, modern lifesaving equipment and safety systems, standardized machinery and electronics, and full retention of oily waste and sewage for treatment ashore.
- **Poseidon Marine Consultants Ltd.** prepared a preliminary design package for these vessels in collaboration with a steering committee comprising Department representatives, and consulted a number of stakeholders, including officers and crew stationed on existing vessels,



Project Summary:

- Development of Design Drawings and Specification
- Regular progress meetings with Dept. personnel.
- Facilitation of Model Testing Program
- Detailed life-cycle costing analysis and subsequent standardization of primary machinery and equipment
- Presentations to Ministers of Gov't and NL Federation of Municipalities
- Evaluation of existing terminal loading ramps
- Coordination with Transport Canada Marine Safety (TCMS) and Lloyd's Register of Shipping (LRS)
- Development of minimum requirements for capable shipyards in conjunction with LRS
- Representation at shipyard on behalf of DTW.