

Project Type(s):

NEW VESSEL DESIGN

Vessel:

Pro-Dive Attender
11.65m Dive Support Vessel

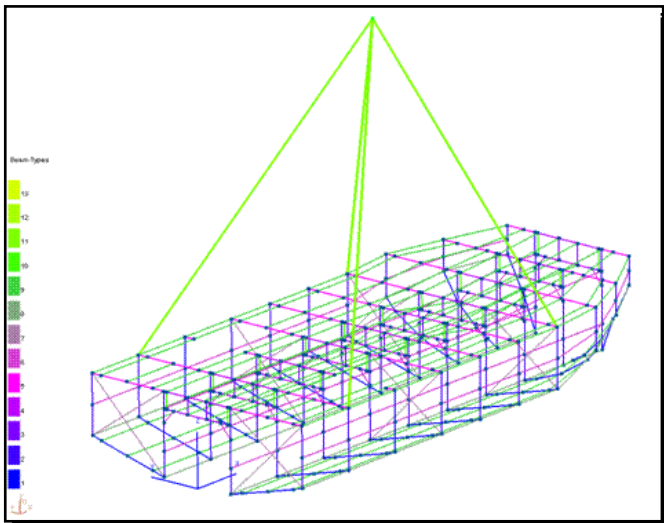
Client:

Pro Dive Marine Services
Mount Pearl, NL



Profile:

- As part of Husky Energy's summer dive program on the Sea Rose FPSO, **Poseidon Marine Consultants Ltd.** was contracted by Pro Dive Marine Services to evaluate existing vessels and concepts, and ultimately develop a preliminary design package for a catamaran-hulled 11.65m aluminum dive support vessel.
- This design was adapted from an existing UK-based concept (Alnmaritec Ltd.), and suitably modified to suit the requirements of the Owner and the Canadian marine regulatory regime. The vessel was also designed in accordance with Lloyd's Register of Shipping (LRS) "Rules for Special Service Craft".
- The vessel was designed so as to be transported to the White Rose field on the AHTS vessel *Atlantic Hawk*; upon arriving on site it is launched and boarded for planned diving operations.
- **Poseidon Marine Consultants Ltd.** was an active participant in ongoing progress meetings and other planning sessions bringing together representatives of Pro Dive Marine Services, Alnmaritec, Husky Energy, Atlantic Towing, C & W Offshore (builder) and Transport Canada Marine Safety.



Project Summary:

- Researched and prepared technical reports concerning feasibility of different hull types.
- Assisted in tendering process for vessel construction.
- Liaised with TCMS and LRS on behalf of Owner.
- Detailed design and engineering of vessel lifting lugs and arrangement, davit, and swim platform.
- Performed FEA analysis on vessel for launch operations.
- Participated in PHA (Process Hazard Assessment) related to vessel launch, recover and other planned operations.
- Representation during construction and commissioning on behalf of Owner.