

# Reference List Special Vessels

## BB Power

Year:	Client:	Yard:	Class	Man-hours	Scope:
2015	Vard Engineering AS	Vard Braila	DNV	1 400	Stability

*Project description:*



Design documentation for class:

- Intact and damage stability
- Preliminary and final documentation
- Inclining test
- Loading conditions for General Towing, Ocean Towing, Anchor Handling and Fire Fighting
- Tank calibration tables
- Tonnage calculations

## Amazon Class Seismic Vessels

Year:	Client:	Yard:	Class	Man-hours	Scope:
2011-2012	Western Geco	Flensburger Schiffbau	DNV	18 000	Concept and basic design

*Project description:*



Amazon Warrior (vessel on picture) and Amazon Conqueror

Design documentation for class:

- GA
- Lines and resistance
- Machinery and propulsion
- Evacuation
- Fire integrity
- Marine Systems
- HVAC
- EIT
- Ice belt
- Structural analysis
- Class drawings
- Stability

## HLV Uglen – Crane upgrade from 600 to 800(t)

Year:	Client:	Yard:	Class	Man-hours	Scope:
2014	Global Maritime /Ugland Construction AS	Nymo	DNV	2 500	Structure and stability



*Project description:*

**Design documentation:**

- Weight and lifting calculations
- Crane FEM strength analysis
- Hull FEM strength analysis
- Crane structure reinforcements drawings
- Hull structure reinforcements drawings
- Lifting diagram with jib mounted
- Lifting diagram without jib mounted
- Stability

## Windmill installation barge

Year:	Client:	Yard:	Class	Man-hours	Scope:
2014	Ingenium	Not built yet	GL	1 000	Strength FEM analysis, structure drawings and stability calculations

*Project description:*

**Class package:**

- Hydrodynamic load analysis
- Structure FEM ultimate and fatigue strength analysis
- Class drawings

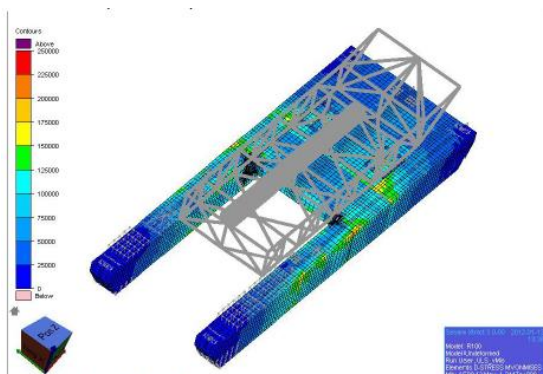


Figure 6-17 ULS – ULS-Scan\_Max-Von Mises stress – top view ( Units: 250000 = 250 MPa )

## Moss 501

Year:	Client:	Yard:	Class	Man-hours	Scope:
2014	Moss Maritime	Aker Braila	DNV		Design and class package



M/S Bremona

*Project description:*

**Design documentation:**

- Lines
- GA
- Strucural analysis
- Class drawings
- MarineSystems
- Stability

## Modified Rolls-Royce UT-design

Year:	Client:	Yard:	Class	Man-hours	Scope:
2014	Brevik Construction AS	Aker Brevik	DNV		Class package and follow up during construction



Lady Melinda

*Project description:*

**Full package class drawings, some of them listed here:**

- General Arrangement
- Tank Plan
- Profile and Plan
- Midship Section
- Arr. Aft Ship With Rudder and Propeller
- Ballast/Drillwater System
- Radar and Signal mast

**Follow up towards yard during construction**

## Other special vessel reference projects

<u>Year:</u>	<u>Project title:</u>	<u>Client:</u>	<u>Project description:</u>
2013	Geco Triton	WG	Towing winch modification
2011	Geco Diamond	WG	Mooring support modifications – arrangement and structure
2011	Geco Triton	WG	Lead in winch and towing point modification: Arrangement and structure drawing and calculation
2011	Geco Eagle	WG	Towing winch modifications: Arrangement and structure drawing and calculation
2010	Western Regent	WG	Installation of Moving Vessel Profiler (MVP) system: Arrangement and structure drawing and calculation
2010	Western Patriot	WG	Installation of new bigger crane: Arrangement, drawing and calculation
2010	Western Monarch	WG	General update of Fire and Safety Plan
2009	Western Spirit Feasibility Study	WG	Seismic Vessel: Adding sponsons for improving stability and increasing deadweight, fuel and fresh water capacity: General Arrangement, lines plan, structure drawings, davit foundation, MOB launching etc.
2007	CGG Search & CGG Venturer	CGG-Veritas	Full scale model propulsion test.
2003	Gilavar40311	WG	Seismic Vessel: Adding sponsons for reduced draft operation in the Caspian sea; stability, sponsons design, lines plan, load line, maneuverability, equipment number, inclining test, general arrangement, shell expansion & other structure drawings, sea chests, system drawings, sea water cooling system, sounding and ventilation, workshop drawings, draught marks, freeboard reference drawing, docking plan, fender, davit, lifting eyes etc.
2001-2003	Follow up during construction	Brevik Construction/ Aker Brevik	Yard No. 19 Troms Falken Yard No. 22 Pacific Warrior Yard No. 23 Rigdon Tide Yard No. 27 Troms Supporter Yard No. 28 Island Patriot Yard No. 29 Far Swift
1998-2000	13286 Aker Amadeus	Aker Geo	Seismic Vessel: Conversion tug boat to Seismic vessel All engineering work



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