

Aker H-6e Spitsbergen and Barents

Year:	Field:	Shelf state:	Client:	Man-hours	Scope:
2006	North Atlantic		Aker Kværner	60 000	Detailed engineering pontoons and columns

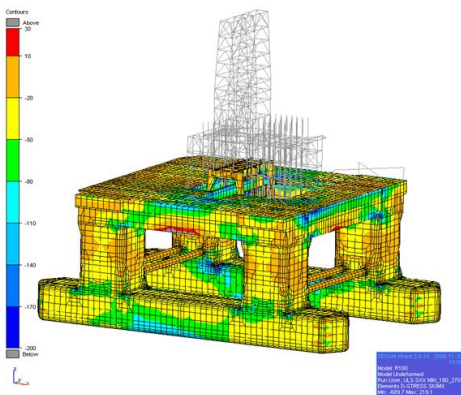


Project description:

- FEM analysis of girder structure
- Scantling calculations
- Structure drawings
- Marine systems calculations and drawings including HVAC and EIT
- Multidiscipline 3D modelling
- Follow up construction at Dubai Drydocs
- Follow up during deck mating at Aker Stord

Frigstad D-90

Year:	Field:	Shelf state:	Client:	Man-hours	Scope:
2006	Gulf of Mexico		Frigstad Engineering	5 800	Main scantling approval

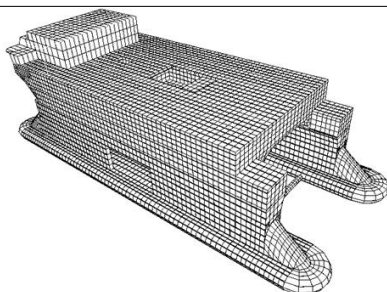


Project description:

- Motion analysis
- Global and local FEM structure analysis
- Scantling calculations

Swath THIV

Year:	Field:	Shelf state:	Client:	Man-hours	Scope:
2000	North Sea		Odfjell Drilling		Well intervention vessel Concept & Basic



Project description:

- Hydrodynamic motion and load analysis
- Global and local FEM structure analysis
- Scantling calculations
- Structure drawings

CS30 Stena Don

<i>Year:</i>	<i>Field:</i>	<i>Shelf state:</i>	<i>Client:</i>	<i>Man-hours</i>	<i>Scope:</i>
1999	North Sea		Kværner/Moss Maritime		Class package MSA



Project description:

- Structural strength calculations for pontoons, columns and deck structure. Global FEM analysis, web frame analysis and code checking
- Structure drawings

Bingo 3000 – West Vanguard

<i>Year:</i>	<i>Field:</i>	<i>Shelf state:</i>	<i>Client:</i>	<i>Man-hours</i>	<i>Scope:</i>
1982	North Sea		Smedvig Drilling		Basic design and follow up during construction



Project description:

- Structure
- Marine systems

Other SEMI reference projects

<u>Year:</u>	<u>Project title:</u>	<u>Field:</u>	<u>Area / country:</u>	<u>Client:</u>	<u>Project description:</u>
2010	Arctic II Upgrade	Gulf of Mexico	World wide	Awilco Drilling	Modifications of columns and pontoons. Hydrodynamic load analysis. Structure drawings
2001	Frigstad Drilling Rig D80	Gulf of Mexico	Mexico	Frigstad	Hydrodynamic motion and load analysis. Global and local FEM analysis. Fatigue analysis.
2000	Frigstad Drilling Rig D70	Gulf of Mexico	Mexico	Frigstad	Global and local structural analysis
1999	Dry Tree Semi Production Concept			PGS Offshore Technology AS	Documentation for class approval. Global and local FEM analysis. Class drawings.
1997	Bingo 9000 #1 & 2, Rig Concept			Ocean Rig ASA, Oslo	Configuration and design of stability blisters lay out, stability analysis and weight update for anchor moored drilling operation. FEM sub-modeling towards global FEM model.
1996	Semi SHELF 5, upgrading for BAKU operation.			Brevik Management AS, Brevik	Survey before modification, structure design and strength calculations, marine systems, procurement of equipment, control of lifting appliances etc. Follow up yard construction.
1980	Aker H4			Aker Engineering	Structural analyses- living quarter
1976	Nortroll				Design and construction by Framnes Yard in Sandefjord and Trosvik Yard in Brevik
1975	Ross Rig				Design and construction by Framnes Yard in Sandefjord and Trosvik Yard in Brevik
1973	Norskald				Design and construction by Framnes Yard in Sandefjord and Trosvik Yard in Brevik



Strømtangvegen 21
3950 Brevik
Norway
www.brevik.com