



# Stena Drillmax

## Drillship structure and equipment



Overview of Stena Drillmax | Photo: Stena Drilling

Stena Forth is a Drillship equipped with twin hoisting and drilling tower.

Multiconsult was responsible for detail engineering for Drill floor (height = 23 m), Setback-structure (height = 33 m), supports for the equipment like derrick, lifting cylinders and travelling equipment, heave compensator, riser tension system etc, Lifting lugs etc.

Design calculations includes ULS and PLS analysis, FLS analysis, FEM analyses of main nodes, hand calculations of details.

PROJECT	PROJECT TYPE	LOCATION	CLIENT	TIME PERIOD	KEY NUMBERS
Stena Drillmax - Drillship	Offshore Steel, Multi-disciplinary		Stena Drillmax	2006 - 2007	Variable deck load 15 000 tonnes   Drill floor 23 m high   Setback-structure 33 m high   Multiconsults assignment: 3395 tonnes

## SCOPE OF WORK

- Complete detail design
- ULS analyses
- PLS analyses
- FLS analyses
- FEM analyses

## OUR SERVICES

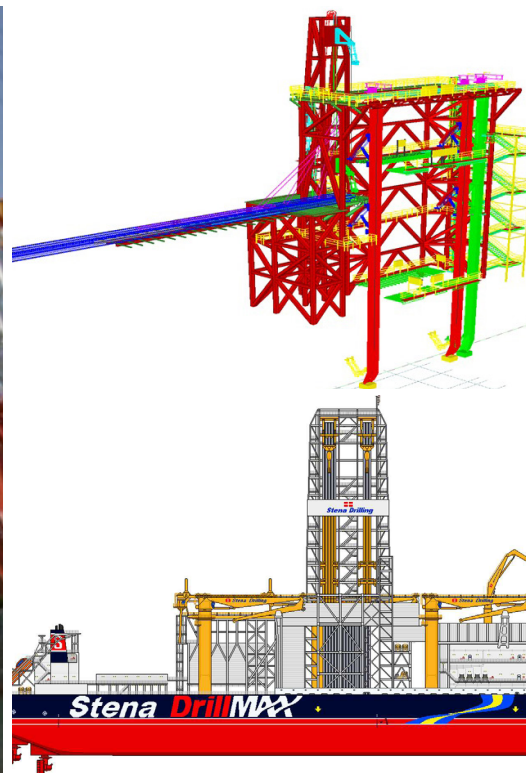
- Consultation
- Structural design
- Fatigue design
- 3D-modelling
- Calculations
- Design drawings

## DISCIPLINES

- Offshore Steel



Close up of Stena Drillmax | Photo: Stena Drilling



Top: 3D-model | Ill.: Multiconsult  
Buttom: Ill.: Stena Drilling

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