

Deepwater Navigator (conversion)

Ship type	Drillship
Shipowner	Transocean Inc.
Shipyard	Falcon Drilling Company, LLC



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Main Dimensions

Dwt	11,162 t
GT	14,344
Capacity	11 162 dwt
LOA	167.73 m
Beam	26.3 m
Draught	7.6 m

Project type	Ship status	Design scope	Delivery year
Conversion	Delivered	Basic, Detail	2000

Scope of Work for the Shipowner

The conversion involved increasing the vessel's main dimensions (length, breadth, and depth), installing new drilling equipment such as the drill floor, derrick, and pipe handling systems, as well as updating outfitting, accommodation, machinery, and electrical systems. The work was carried out for Aker Rauma Offshore and included:

- On-site: Design coordination, construction oversight, dynamic positioning calculations (thruster configuration studies, model tests & calculations, procurement of additional thrusters), various theoretical calculations (weight calculation, seakeeping analysis, outdocking studies, shadow diagrams for hydrophones), steel design and strength assessments per DNV rules and FEM (moonpool corners, engine room pillars), interface drawings (deck equipment, drilling equipment, emergency generator room), and drill piping systems (both basic and detailed design)
- At Deltamarin: Weight calculations, stability assessments, inclining test, and ERN calculations

Project Features

- Considered one of the most technically demanding marine projects of its kind and the largest of its type in Europe
 - The outcome is a state-of-the-art drill ship built to the latest industry standards, achieving significant time savings
 - Equipped with a dynamic positioning system featuring 17 thrusters, marking the highest number ever used in such a vessel
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Additional Information

IMO number	7112890
Special features	Conversion of 'Peregrine VII' into 'Deepwater Navigator'