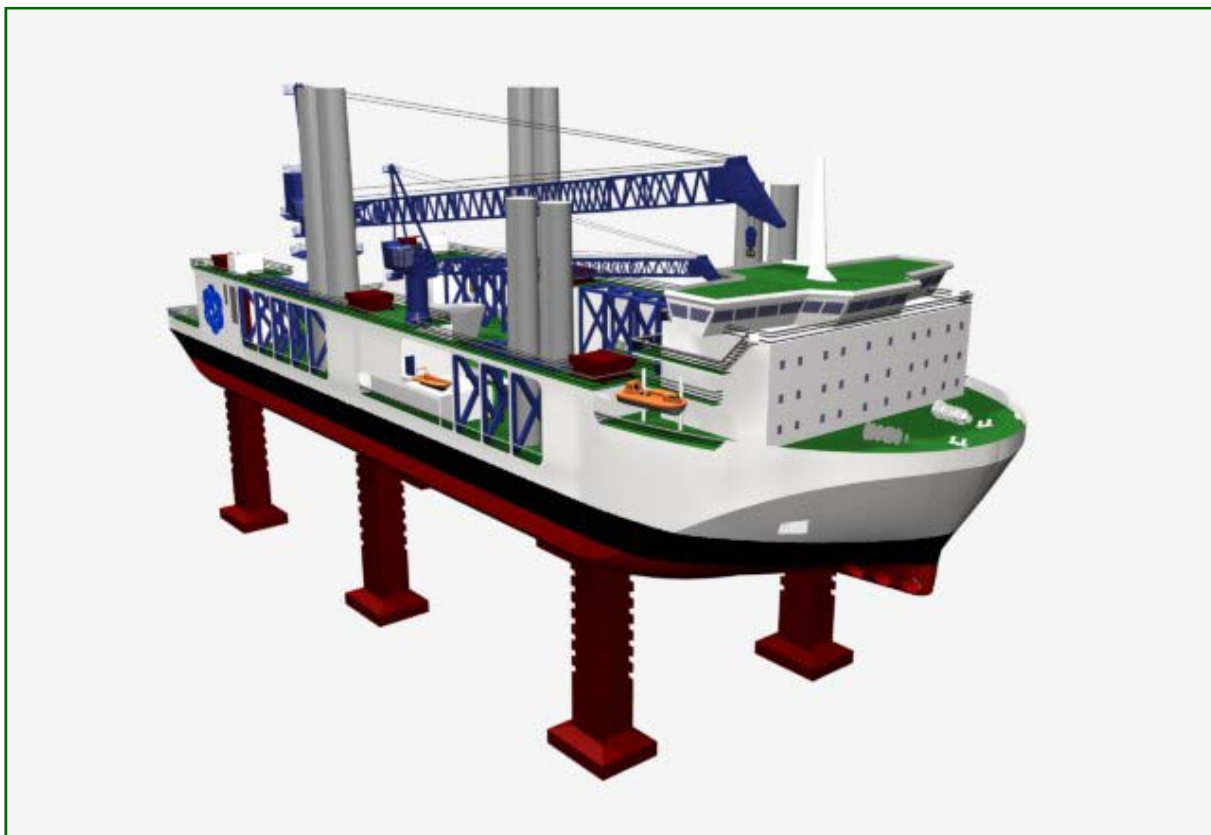


Turbine Installation Vehicle (TIV)

At Shanhaiguang Shipyard, China



3D rendering of Turbine Installation Vessel

General information

The Turbine Installation Vessel is under construction at Shanhaiguang Shipyard in China for the United Kingdom operator Mayflower Energy. Knud E. Hansen A/S in Denmark developed the basic ship design and contracted on behalf of the Mayflower Energy FORCE Technology to undertake the numerical analysis and model testing for the project. The vessel will be delivered in 2003.

Vessel characteristics:

LPP	125,00 m
Beam	38,00 m
Draught	4,00 m
Service speed	9 knots
Vessel type	Turbine Installation Vessel

Client benefits

By assigning FORCE Technology to undertake the model testing, the client achieved the following:

- Short lead time from order to initial results.
- High quality with proper expert advise based upon the large FORCE Technology experience.
- High performance and minimised fuel consumption.
- Competitive costs.

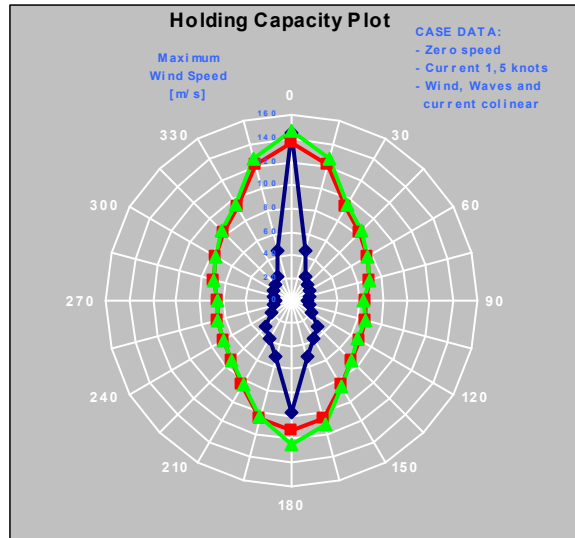
Force Technology services

The following services were carried out by FORCE Technology:

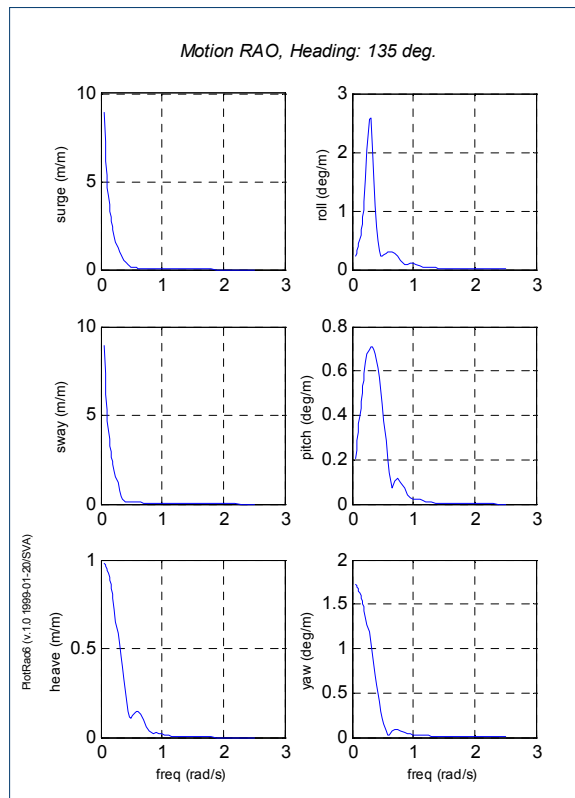
- Lines review.
- Power prediction.
- Model manufacture.
- Resistance tests.
- Holding capacity calculations.
- 3D seakeeping analysis for the vessel in transit.
- 3D seakeeping analysis during installation with the vessel standing on the six legs.



Model Turbine Installation Vessel ready for tests



Holding capacity analysis



Motions RAO established with 3D seakeeping code



Further information: Department for Ship and Offshore, Kgs. Lyngby, Denmark
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Subject to changes without notice

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