

Rødsand 2 Offshore Wind Farm



Project Description

Rødsand 2 Offshore Wind Farm is situated in Denmark, south of the island Lolland, approximately 3 km west of Nysted Offshore Wind Farm.

Owner is EON. Owners total consultancy consultant is Grontmij | Carl Bro.

The project consists of:

- 90 pcs. SWP 2.3 MW, total 207 MW
- Gravity based concrete foundations from Aarsleff Bilfinger JV
- Internal MV electrical grid is supplied by NSW
- Wind turbines installed by A2SEA
- Substation and grid to coast contracted by Energinet.dk

Sea depth is 6-12 m

Sea bed consists of clay till.

Offshore works were initiated in August 2008 with pre-trenching for cables. Foundation manufacture in Poland started in January 2009. Dredging for foundations started January 2009.

Commissioning of wind farm with 207 MW in operation will be end of 2010.



Rødsand 2 wind farm area

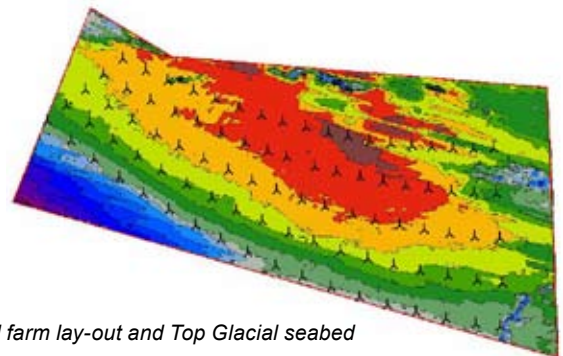
Consultancy Services:

Total consultancy including i.e.:

- Total consultancy and basic design for wind farm owner during tender and production period. The services include:
- EIA presentation at public meeting and assistance in adapting project to public comments on EIA
- Preparation and initialization of compensation negotiations with Danish Fishermen's Association
- Layout optimization of wind farm including production prediction, screening of geotechnical information and grid cost evaluation
- Basic design of inter turbine grid connection
- Offshore sub station: Interface planning and negotiation between owners of 36 kV system and 132 kV system
- Planning and supervision of complete geotechnical investigations including laboratory testing for 90 wind turbines
- Tender assistance for wind turbines, foundations and grid
- Site assessment and design basis for foundation (incl. DNV certification)
- Study of collision friendly foundation design
- Planning of construction site in Rødby and Nyborg
- Review of contractors detailed design of foundations
- Interface management

Client: EON Vind AB

Project period: 2007-



Wind farm lay-out and Top Glacial seabed