

MARITIME EXPERTISE FOR OFFSHORE WIND FARMS



- **Marine Coordination**
- **Emergency Response Planning**
- **Vessel and equipment suitability Assessments**
- **Maritime authorities liaison**
- **Marine advisors**
- **Navigational risk assessments**
- **Port and harbour assessments**
- **Vessel selection**
- **Vessel and equipment audits**
- **Client's reps**
- **Planning and evaluation emergency preparedness and drills**

Wind and Water's team is all experienced master mariners, with a broad experience from the marine, offshore and wind farm industry.

Proven, professional solutions

Wind and Water provides professional solutions for the offshore renewable industry.

Services in which Wind and Water has gained an extensive experience. Services, where we possess all the tools, procedures and systems. Services rendered that have established a reputation for first rate service.

Practical and responsible approach

Wind and Water aim to take a practical approach to the assignments, on the project site as well as back at the office desk.

Our strategy is to stay "hands on" and assist our clients throughout the projects, utilizing all experiences gathered in the sector for making our client's projects successful. We understand the maritime environment from years of maritime and offshore service including the many wind farm projects we have been involved in.

WindandWater

Wind and Water ApS is Danish limited company, established by Danish master mariners.

We provide a range of independent, professional services to our clients in the offshore wind farm industry.

We aim to seek solutions, to be cost effective and above all to put safety first.

For more information see: www.windandwater.dk

MARINE COORDINATION FOR OFFSHORE WIND FARMS

Wind and Water's core service is marine coordination for offshore wind farms. We have been engaged in this aspect of the construction of an offshore wind farm project since the very first wind farms. We are constantly improving procedures, tools, standards and best practice for marine coordination. Many of our ideas and ways of doing have become "industry standard".

Our team

Wind and Water's team of marine coordinators are all experienced master mariners, with a broad experience from the marine, offshore and wind farm industry. We "speak the language" of the vessels masters and offshore superintendents.

Planning Phase

Wind and Water's involvement can be from initial consultancy, as marine advisors to the project management to fully manned 24/7 operation. We will assess logistics prior to the commencement of your project. We will implement the relevant planning, procedures, tracking and monitoring tools, assuring best practice will be achieved.

On site

We are highly experienced in carrying out marine coordination, keen on the logistics of wind farm construction, and used to coordinating and keeping track of vessels and personnel. We monitor marine safety and advice on maritime matters. We liaise with all maritime authorities involved. Your project will benefit from the lessons learned on all previous projects. Depending on the organisation of the project, the main tasks for our marine coordinators are typically:



- **Coordination of the traffic at the offshore site, and to and from the ports of construction**
- **Daily coordination meetings**
- **Surveillance of the activities offshore**
- **Tracking personnel working offshore**
- **Weather monitoring and advisory**
- **Establishing and maintaining a database of the on and offshore personnel and their relevant training**
- **24 hours contact point in case of emergencies**
- **Maritime authorities liaison, issuing Notices to Mariners etc**
- **Suitability surveys of vessels engaged in the project**
- **Maritime advisors**

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For references on marine coordination see: www.windandwater.dk

LIST OF REFERENCES

Rødsand 2 Offshore Wind Farm



- Client: EON Vind AB
- Marine Coordination Procedure
 - Marine Coordination
 - Suitability Surveys
 - Emergency Response Plan

Femernbelt Fixed Link



- Client: Sund & Bælt A/S
- Marine Coordination Procedure
 - Marine Coordination
 - Suitability Surveys
 - Emergency Response Plan

Q 7 Offshore Wind Farm



- Client: EPC Management ApS
- Work Vessel Procedure
 - Work Vessel Coordination
 - Suitability Surveys

Lillgrund Offshore Wind Farm



- Client: Vattenfall AB
- Work Vessel Procedure
 - Work Vessel Coordination
 - Suitability Surveys

Barrow Offshore Wind Farm



- Client: DONG Energy Ltd
- Clients Rep. WTG Errection

Scroby Sands Offshore Wind Farm



- Client: Vestas Celtic Wind Technology Ltd, Kellogg Brown & Root LTD
- Work Vessel Coordination Procedure

Gunfleet Sands Offshore Wind Farm



- Client: Gunfleet Sands Ltd
- Marine Coordination Procedure
 - Marine Coordinator
 - Emergency Response plans

Horns Rev 2 Offshore Wind Farm



- Client: E2 / DONG Energy A/S
- Work Vessel Coordination
 - Work Vessel Coordination Procedure
 - Suitability Surveys
 - Emergency Response Plan

Burbo Offshore Wind Farm



- Client: SeaScape Energy Ltd
- Work Vessel Procedure
 - Work Vessel Coordination
 - Suitability Surveys
 - Emergency Response Plans

Kentish Flats Offshore Wind Farm



- Client: Vestas Celtic Wind Technology Ltd
- Work Vessel Coordination Procedure
 - Work Vessel Coordination
 - Suitability Surveys

Horns Rev 1 Offshore Wind Farm



- Client: ELSAM Energy Ltd
- Work Vessel Coordination Procedure
 - Work Vessel Coordination

North Hoyle Offshore Wind Farm



- Client: Vestas-Celtic Wind Technology Ltd
- Work Vessel Coordination Procedure
 - Work Vessel Coordination
 - Suitability Surveys