

References GL Windenergie Offshore Project Certification

Germany

- Alpha Ventus, Project Certification, Marine Warranty Survey
- Bard NL, Support Structure Tri Pile Foundation, Plausibility Evaluation
- Bard I (80 x 5 MW) Project Certification, Marine Warranty Survey
- Nordergründe, Project Certification
- Amrumbank West (80 x 5 MW) Design Basis, Met Mast Certification, Risk Analysis
- Borkum Riffgrund I (77 x 3 - 4 MW) Design Basis
- Borkum Riffgrund 2, BSH Phase 1
- Borkum Riffgrund West II (80 Turbines) (Design Basis + Conceptual Design)
- Butendiek (80 x 3 MW) Project Certification, Risk Analysis
- Riffgat (44 x 5 MW) Design Basis, Risk Analysis
- FINO Project Certification and Project Management
- FINO 3 Project Certification
- Delta Nordsee (48 x 5 MW) Risk Analysis
- DanTysk (80 x 5 MW) Risk Analysis
- Sandbank 24 (80 x 5 MW) Risk Analysis
- Sandbank 24 + extension (136 wind turbines) Project Certification
- Kriegers Flak (80 x 5 MW) Risk Analysis
- Ventotec Ost2 Risk Analysis
- Hochsee Windpark 'Nordsee' (119 x 4.5 MW) Risk Analysis
- Hochsee Windpark 'He dreiht' (119 x 4.5 MW) Risk Analysis
- Baltic I (21 x 2.3 MW) Risk Analysis
- Baltic I, Project Certification
- Nordsee Ost Risk Analysis
- Nördlicher Grund (80 wind turbines) Risk Analysis

- Nördlicher Grund Project Certification
- Meerwind (80 + 45 wind turbines) Risk Analysis
- Meerwind (80 wind turbines) Project Certification
- Bard Offshore I (80 x 5 MW) Risk Analysis
- GEOFRéE (5 wind turbines) Risk Analysis
- Ventotec Ost 1 AIS Ship Traffic Analysis
- Testfeld Helgoland (19 x 5 MW), AIS Ship Traffic Analysis, Risk Analysis
- Delta Nordsee (80 x 5 MW), AIS Ship Traffic Analysis, Risk Analysis
- Deutsche Bucht (80 x 5 MW), AIS Ship Traffic Analysis, Risk Analysis
- Veja Mate Project Certification

Irland

- Arklow Bank (37 x 3.6 MW) Design Assessment, Measurements

UK

- Robin Rigg (60 x 3 MW) Design Assessment
- Scroby Sands (30 x 2 MW) Design Assessment
- North Hoyle (30 x 2 MW) Design Assessment
- Cromer Metmast Design Assessment
- Beatrice (2 x 5 MW) EU-Research, Project Downwind
- Blyth (2 x 2 MW) EU-research Project
- Race Bank (500 MW) Metmast Design Assessment, Marine Warranty Survey
- Docking Shoal (500 MW) Metmast Design Assessment
- London Array (630 MW) Design Basis

Belgium

- Seanergy (50 x 2 MW) Project Certification
- Thornton Bank (60 x 3.6 – 5 MW) Risk Analysis

Denmark

- Horns Rev (80 x 2 MW) Design Assessment, Marine Warranty Survey

Netherlands

- Q7 (60 x 2 MW) Project Certification, Marine Warranty Survey
- Egmond aan Zee (36 x 3 MW) Seafastening Design Assessment

Sweden

- Utgrunden 7 x 1,5 MW) Measurements
- Kriegers Flak II (128 wind turbines) Risk Analysis

USA

- Naikun (approx. 320 MW phase 1) Seismic Study
- Lake Erie Test Centre Feasibility study (Offshore Wind Energy Demonstration Project and test Centre)

Assessment of support structure concepts for

- F+Z (Bilfinger+Berger)
- Züblin
- Windarc
- OBC
- Weserwind
- Prokon Nord
- INR Eolica

Germanischer Lloyd Industrial Services GmbH
Business Segment Wind Energy
Projects Department
Steinhöft 9, D-20459 Hamburg
Phone: +49 40 36149-117, Fax: +49 40 36149-1720
glwind@gl-group.com
www.gl-group.com/glwind