The road to ALL NRG

OWNERS: VIA equity

90% of all Danes

atp=

2013 2014 2014 2015

Mechanical Wind

Advisory & Inspection

Electrical Wind

Oil & Gas

Annual turnover

600 MIO DKK

Employees

+600

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ALL NRG provide solutions in all phases

RESOURCES  Electrical/mechanical
ENGINEERING  Electrical/mechanical
INSPECTION & ADVISORY
MATERIAL DELIVERIES  (e.g. completed cable sets)
TURN-KEY SOLUTIONS
SPECIAL PROJECTS
PPE  (Personal Protective Equipment)

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Combining worlds

Skilled certified technicians with hands on technical experience from numerous projects

COMPETENT SOLUTIONS – bringing down costs

Electrical and Mechanical Engineering - wind pioneers with extensive know-how

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We are partners – not competitors to suppliers and owners

DEVELOPMENT PRODUCTION PRE-ASSEMBLY INSTALLATION COMMISSIONING O & M LIFE TIME EXTENSION

PROACTIVE PARTNERS

COMPETITORS

SUB CONTRACTORS

OWNER

DECOMMISSIONING

SUPPLIER

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Pre-assembly

Various EU locations DK, DE, NL, PL and UK
- Electrical and mechanical pre-assembly
- Handling and load-out
- Testing HV / MV / LV
- Site- and project management
- Quality inspection and advisory
- HSE responsibility
Installation projects worldwide

- Foundation, TP and cable pull-in
- Electrical installation and testing
- Mechanical installation and erection
- Mechanical and electrical completion
- Test of transformers, SWG and MV cables and signals
ALL NRG has grid connected more than 90% of the world’s offshore wind turbines

- Grid connection
- Commissioning personnel
- Reliability tests
- Snag listing
- Test run
- Experienced HV electricians
Operation & Maintenance

Preferred service partner

- HV service expert
- Foundation, tower, nacelle and blades
- Painting and snagging work
- Flexible inspection services
- WTG service campaigns
- 24 h break-down service
Life Time Extension

Upgrades and life time extension

- Development of new technologies
- Retrofit and upgrade campaigns
- Solution implementation
- Project management
- Asset inspection and evaluation
- End of Warranty inspection
Solving solutions World wide

Akita Port:
Grid test of 6 x 3.0 DD turbines in Akita Port/Yurikogen
Annual maintenance on trafo and SWGR
Ad hoc service e.g.:
• Transformer re-placement and transformer test
• Inspection of MV cables between PU-TU in all turbines
• Exchange MV cable sets in TU-PUs.

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Our reference list is long

**ALL** phases of a wind turbine life cycle

- Vestas
- Siemens Wind Power
- Dong Energy
- MHI VESTAS
- A2SEA
- Envision
- MT Højgaard
- VBMS
- European Energy
- Mammoet
- Vattenfall
- Energinet/DK
- Ballast Nedam
- E.ON
- NKT Cables
- Scottish Power
- ABB

*Abbreviations: VESTAS, SIEMENS, DONG, Bilfinger, A2SEA, Envision, MT Højgaard, VBMS, European Energy, Mammoet, Vattenfall, Energinet/DK, Ballast Nedam, E.ON, NKT Cables, Scottish Power, ABB.*
Thank you for your attention

Any questions?

Please visit our website www.allnrg.com for more information