1 VDMA Power Systems
2 Tendering in Europe
3 The Transition to Tendering in Germany
4 Offshore Wind Energy Tendering
5 Perspective from the Manufacturing Industry
1. VDMA Power Systems
Part of German Engineering Federation

Trade Association of Power System manufacturers

Information Platform for communication of sector related themes with customers, politics and media

Representation of Interests for manufacturers from the sectors

» Thermal Turbines,
» Engine Power Plants
» Hydro Power Plants
» Wind Turbines
1. VDMA Power Systems
Wind Energy

- Representation of interests in the field of energy policy for the manufacturers of wind turbines in Germany and Europe
- Coordination and representation of the Offshore Wind Industry for manufactures of turbines, grids and foundations
- Coordination of international activities of members in the European Wind Energy Association EWEA and beyond
- Steady market observation of the key regions in Europe, America and Asia with manufacturers and suppliers
- Positioning on grid issues in coordination with manufacturers of other power systems
- Establishment of a shared Wind Industry Safety Culture of manufacturers of wind turbines and subcontractors
- Coordination of fair activities, public relations and statistics of the wind industry in Germany
- Coordination of research activities of the German wind industry
1. VDMA Power Systems
Organigram: Steering Committee Wind Turbines

Steering Committee
Wind Turbines

- Offshore Wind Industry
- Energy Policy
- International Affairs
- Market Observation
- Grids
- Technology & Regulations
- Safety Culture
- Public Relations
- Exhibitions
- Research

International Affairs

Offshore Wind Industry

Technology & Regulations

Safety Culture

Public Relations

Exhibitions

Research

Market Observation

Grids
2. Tendering in Europe

Overview

» 8 states with tendering systems
» Polen, Croatia and Spain are tendering from 2016
» 18 states without tendering systems (yet)
2. Tendering in Europe

EWEA Draft Position Paper
Tender Systems in Offshore Wind

» Considerations
» Centralised or decentralised allocation
» Pre-Qualification Criteria and Penalties
» Technology-specific tenders
3. The Transition to Tendering in Germany

Reasons for Tendering in Germany

EEG 2014 gives calculable EE-Expansion

» Identified expansion and tendering system with quantity control makes planning easier

» Cost degression, growing availability, grid expansion and regionalisation deliver more system integration
3. The Transition to Tendering in Germany

Timeline for the system change

Migration

» Plants having a permission until 31 Dec 2016 starting construction until 31.12.2018 will be built according to old regulations

» Beginning of 2017 start of tendering possible

» Initial volume unclear

Quelle: BMWi & VDMA
4. Offshore Wind Energy Tendering
BMWi-Eckpunkte (Corner Stones) – tendering design

Offshore Wind Energy Tendering

» Target model: centrally organized tender
  – Pre-development by central government agency

» Transitional model 2021-2023
  – First tender in transitional model max 2,400 MW for 3 years
  – Reduction of surplus by expansion target of 6,500 MW in 2020 in the transitional model
4. Offshore Wind Energy Tendering
BMWi-Eckpunkte – time schedule of the core model

Abbildung 3: Übersicht zum groben zeitlichen Ablauf des zentralen Modells

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- Flächenauswahl
- Flächenentwicklung
- Ausschreibung
- Genehmigungsphase OWP
- Bauvorbereitung OWP
- Inbetriebnahmephase OWP
- Netzanschluss (Vergabe/Zubereitung)
- Netzanschluss (Beauftragung bis Inbetriebnahme)
- Netzanschluss Ostsee bzw. beschleunigter Netzanschluss
5. Perspective from the Manufacturing Industry
Positions of VDMA Power Systems on the BMWi-Eckpunkte

Key Positions of VDMA PS on Offshore Wind Energy Tendering

» Flexibility when exceeding the expansion target for the year 2020 – no reduction in transition process
» Allow innovation and cost reduction by multiple tendering
» Synchronize grid connection and expansion
» Introduce prototyping regulation
» Ensure project planning
» Compensate project costs adequately
» Coordinate design criteria
5. Perspective from the Manufacturing Industry
Secure continuous Offshore expansion

5.7 GW unter drei EEG-Novellierungen realisiert

1. Ausbaustufe (EEG 2012)
- 9 Offshore-Windparks (In Betrieb)
  - alpha ventus
  - Baltic 1
  - BARD Offshore 1

2. Ausbaustufe (EEG 2014)
- Wikinger Nordergründe
- Nordsee One
- Veja Mate
- MERKUR Offshore 1

- Amrumbank West Gode Wind 1 & 2
  - 870 MW

- Sandbank
  - 288 MW

- 1.595 MW

- 2009/2010
- 2017/2018
5. Perspective from the Manufacturing Industry
Flexibility with expansion target – No reduction in transition model
5. Perspective from the Manufacturing Industry

Introduce prototyping regulation / Ensure project planning

- **Introduce prototyping regulation**
  - The proposal of VDMA Power Systems with regard to the prototyping regulation must be implemented even for Offshore plants.
  - Clearly defined prototype- and testsites have to be implemented On- and Offshore apart from tenders.

- **Ensure project planning**
  - Project planning has to be effected in the core model in time and sufficiently. A distinct temporal forerun has to be ensured.
  - Adequate personal resources are to be maintained at the competent authorities (current suggestion BSH/BNetzA) when changing to a central tendering model.
Contact at VDMA

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