



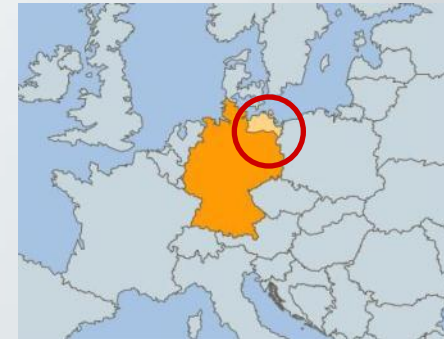
HIER ANLEGEN!

“Offshore Wind and regional development
– the case of Rostock”

Offshore Wind Energy 2013
Słupsk, Poland

Hanseatic City of Rostock

Geographic location



Hanseatic City of Rostock



Hanseatic City of Rostock



Port of Rostock



Rostock Business Marketing – Akquisition – Expansion



Rostock Business Facts

Marketing – Akquisition – Expansion



Akquisition:

26 Events, Fairs, Tradeshows
8900 Contacts, 84 Projects, 5
Settlements

Expansion:

3100 Consultings, Meetings, Talks
129 Partners for Events, 400
Siteselections
300 Expansionenquiries

Marketing:

Rostock Business TV
Business meets Hansesail
Rostock Business Club

Wind Energy Network Rostock – History



- 1**
 - **1999:** Wind-projekt (located near to Rostock) started with the planning of the first offshore windfarm projects “Baltic 1” and “Kriegers Flak” frontshore to Western-Pomerania
 - **2002:** regular meetings of the „Offshore-Planungskreis Rostock“ started
 - **2003:** Foundation of Rostock Business, Local companies asked to establish a network

- 2**
 - **2005:** Foundation of „OFFSHORE ENERGIES Competence Network Rostock e.V.“
 - key aspect of activity: offshore wind power
 - 10 members

- 3**
 - **2009:** Change into „Wind Energy Network Rostock e.V.“
 - key aspects of activity: onshore and offshore wind power



Wind Energy Network Rostock – members

- **presently 100 companies across the complete value chain** are member in the network
- with competence in field of offshore and onshore wind power – from planning and consulting, over building to construction and operation
 - Planning & Conception (engineering, testing, project planning)
 - Turbine Manufacturer
 - Suppliers
 - Realisation (logistic, services, grid connection)
 - Research, Consulting, Financing, Qualification



Main Activities

Wind Energy
business

Markets, Networks

Wind Energy
science

Research and Development

Wind Energy
campus

Qualification, Recruiting

Wind Energy
services

Events, Tradeshows

Activities – highlights



Activities – highlights

Donated Chair for offshore wind power → acquisition partner, € 1.25 million for 5 years

- Development of initiatives and ideas
- Research of the demand for the focus of study by asking members and preparation in several workshops
- 2- stages model: full- and part time study
- The University of Rostock with the idea and holding several coordination meetings
- Develop basic concept for 3 study contents for the fulltime study and completed in cooperation with the University.
- advertising brochure was created and commissioned
- several meetings with potential donors
- recruit potential donors and negotiated contracts



Activities – highlights

Qualification Offshore Safety for Servicetechnicians Windenergy →

- Initiative
- Development of Concept
- Campus –Workshop about Qualification
- 3 Partners (AFZ, Seilpartner Windkraft GmbH und BfW Schwerin) are offering this course
- New courses follow

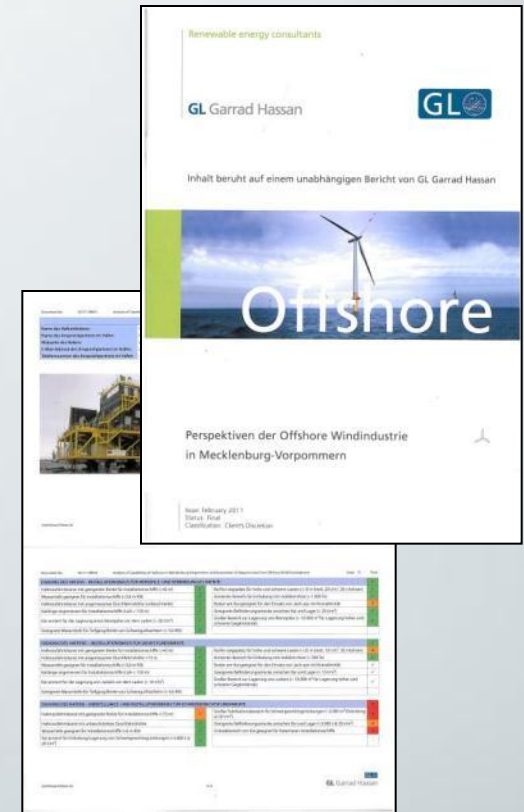
Focus of the course:

- Survival at sea
- Climbing at sea



Activities – highlights

- **Offshore-logistical research → analysis of the current situation and measurements for the further development of the ports in Rostock, Sassnitz, Lubmin and Wismar**
 - published at a press conference, beginning of March 2011
 - Goal: detailed profile for the four ports and the specific qualification for the production phases of offshore-wind plants
 - Research confirms the potentials in the offshore wind industry
 - Good conditions → Ports can continue to profile
 - Recommendation of the study: in order to establish new settlements of production facilities more areas have to be made available
- **Key conclusion: MV is competitive business location for windturbine producers & suppliers**



Activities – highlights

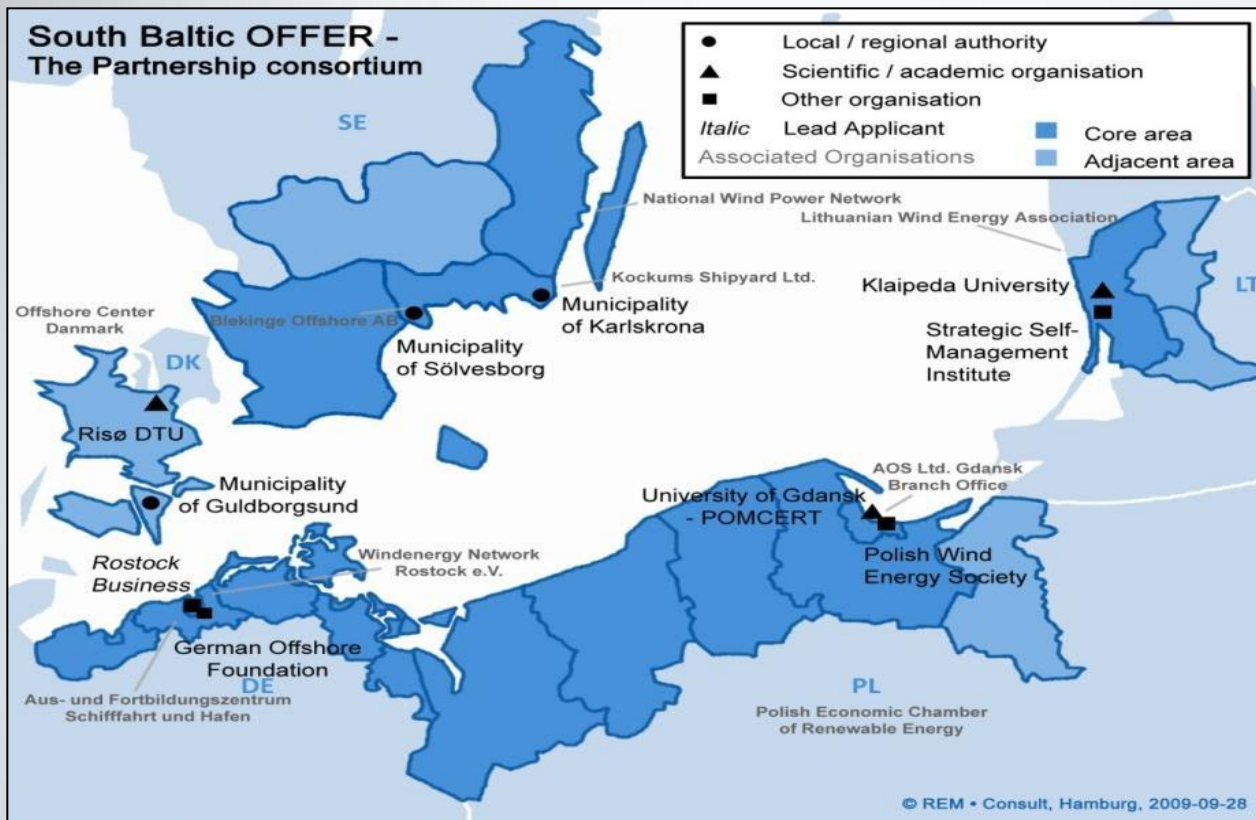
- **Press- and PR** → u.a. Newsletter, Pressreleases, Internet
- **Offshore-Logistics** → Fokus on Rostock, Saßnitz, Wismar, Lubmin
- **Cooperation and Lobbying** → Boat exhibition Stiftung Offshore-WE in 4 Ports MV, Position Papers
- **Area development** → Discussion Spatial Planning
- **International Networks: Agreement with POWES and Technetwork Sweden**



South Baltic OFFshore Wind Energy Regions

South Baltic OFF.E.R

- Leadpartner Rostock Business Interreg-Project 2010 – 2013
- Offshore Wind Partners from DK, SE, PL, LT and GE



South Baltic OFFshore Wind Energy Regions

South Baltic OFF.E.R

Work Packages:

1. Establishing Offshore Wind Energy the South Baltic

- Raising public awareness Boat Exhibition
- Edutainment, Offshore Information Center
- Political support

2. Business Development

- Adding more local companies to the value added chain
- Establishing networks
- International Presentation

3. Qualification Requirements

- Developing concepts to support apprenticeship, qualification and higher education
- Summerschool in Risö/DK, Roadshow



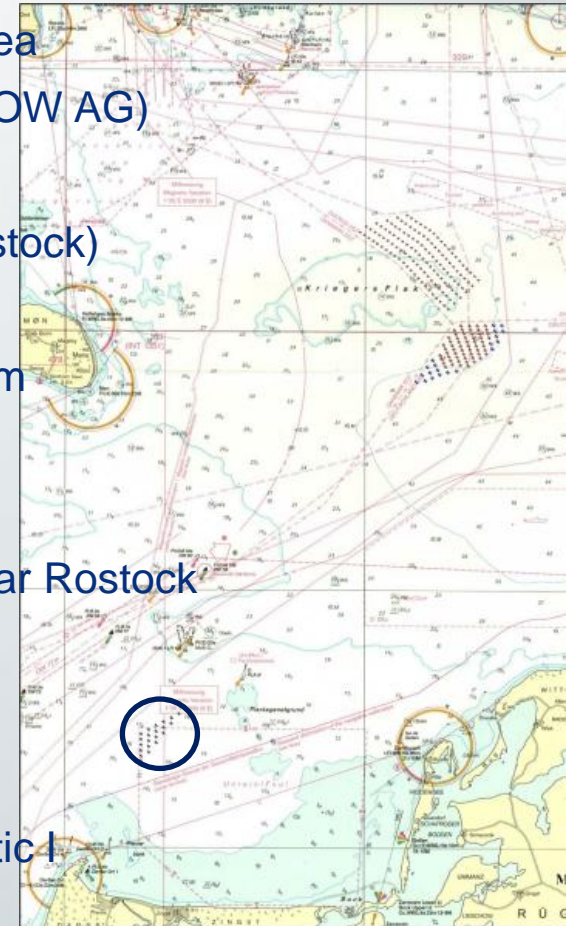
Wind power in Mecklenburg-Vorpommern

Projected offshore wind farms in the Baltic Sea – Visions come true



Offshore Windfarm EnBW Baltic 1

- the first commercial offshore wind farm in the German Baltic Sea
- Project was developed and projected by wpd / wind-projekt (OOW AG)
- realized and operated by EnBW
- 16 km north of the peninsula Fischland-Darss-Zingst (near Rostock)
- total area of 7 km² with a water depth of 16 to 19 m
- 21 windmills of Siemens (2.3 MW) and one transformer platform
- height of the facilities up to 114 m
- output of the offshore wind farm: 48.3 MW
- power feed to the 380-kV transforming station in Bentwisch near Rostock
- grid connection with 150-kV AC cable, 76 km
- installation started July 10th, 2009 (50 Hertz)
- scheduled start of operations by may of 2011
- around 50,000 households will be supplied by electricity of Baltic 1

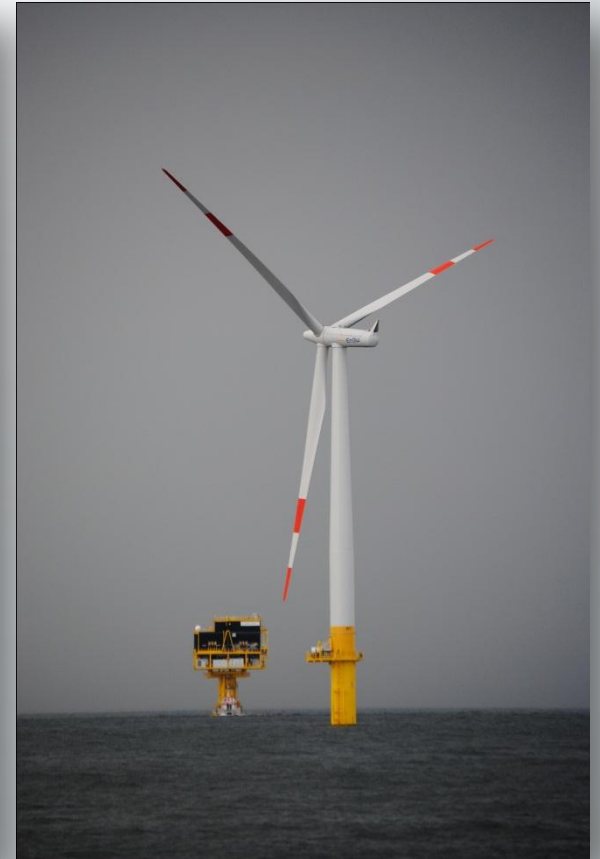


First Commercial Offshore Windfarm EnBW Baltic 1 Impressions

- the first commercial offshore wind farm in the German Baltic Sea
- Building of the 21 windmills was finished at the beginning of September 2010



First Commercial Offshore Windfarm EnBW Baltic 1 Impressions



Hanseatic City of Rostock

- Hanseatic city of Rostock is the economic center No. 1 in the northeast of Germany
- region with approx. 500,000 inhabitants
- Gate to the Baltic Sea area, one of the economically rising regions of Europe
- Located near to the planned offshore wind farms
- Water-, road and air traffic are intelligently linked in Rostock

Highway A19/A20 and Airport Rostock-Laage
Seaport of Rostock

- deep German Baltic Sea port (14,5m)
- without tides, short ship canal, direct highway connection



Success Stories in Mecklenburg-Vorpommern

EEW Special Pipe Constructions GmbH

- traditional strength of EEW is the production of large diameter, thin and heavy wall thickness pipes in carbon and stainless steels.
- pipe fabrication was established in 2008 and is situated in the seaport of Rostock
- product range for the offshore wind power, oil and gas process plant and steel construction industry
- pipes with diameters up to 7m, lengths up to 120m and weighs up to 1,000t can be manufactured
- 300 jobs were created through EEW and further expansion
- they won the tender competition to deliver the foundations for the wind farm “London Array”



Success Stories in Mecklenburg-Vorpommern

Liebherr- MCCtec Rostock mbH

- has built an additional production location with an overall area of 220,000 square meters in the Rostock harbour area
- manufacture large machines with tare weights of up to 500 t.
- the production of maritime cranes in Rostock has been started in the course of 2005
- 800 jobs were created; investment of EUR 190 Mio.
- **new: manufacturing of offshore cranes with a lifting capacity up to 2,000 t**

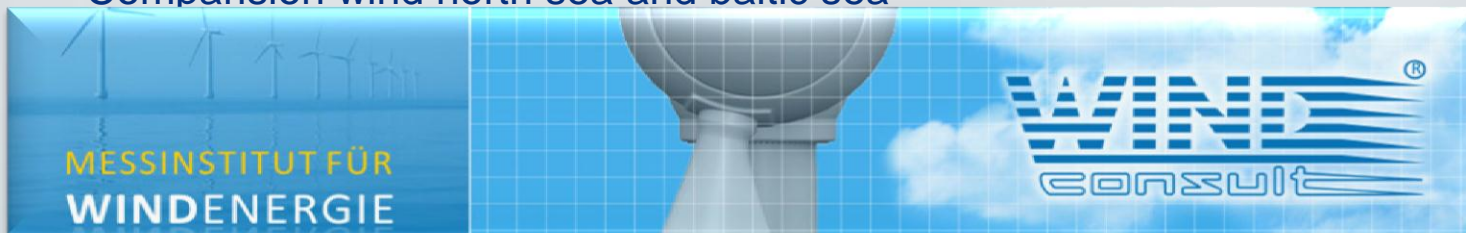
LIEBHERR



Success Stories in Mecklenburg-Vorpommern

Wind Consult GmbH

- 22 years wind measurement
- 26 jobs
- Member of measnet association
- Fino 2: summer 2007
- 33km North of Rügen, 25 mts depth
- Research and Engineering
- Longterm measurements
- Comparison wind north sea and baltic sea



Future Conference „Wind and Maritim 2013“



Wind meets Maritime Industry

24. – 25. April 2013
HanseMesse Rostock
www.wind-maritim.de



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Want to know more?



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