



Conference Offshore Wind Energy “Research meets business”

Energy Storage Technologies: State of the Art – State of Research

22 Sept. 2010
3 pm – 6 pm

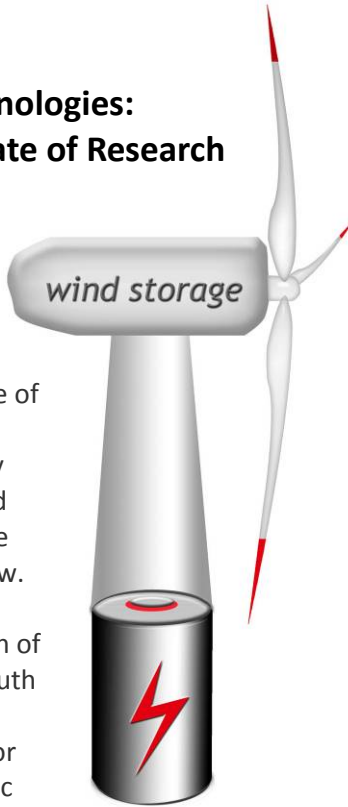


Energy Storage Technologies: State of the Art – State of Research

‘Storing the wind’ is a big challenge, especially for offshore windfarms. Main focus of this conference should be on the energy storage technologies: state of the art – state of research. Several activities of energy storage from Germany and also Great Britain shall give you an interesting overview.

For the cross border region of Schleswig-Holstein and South Denmark offshore wind energy is a growing field for creating jobs and economic development.

Aware of the related challenges, two protagonists are working on closer co-operation between research institutions and business: Schleswig-Holstein’s Ministry of Science, Economic Affairs and Transport (MWV SH) as well as the Chamber of Commerce and Industry Flensburg (IHK Flensburg), who are partners in the EU funded projects “POWER CLUSTER” (Pushing Offshore Wind energy) respectively FURGY (FUTURE Renewable energy).



The POWER cluster partnership builds on an already well developed transnational cooperation network, which is a result of the previous POWER (Pushing Offshore Wind Energy Regions) project.

The partnership is therefore able to draw on a huge range of expertise – not only in offshore wind energy, but also in oil and gas and other related marine sectors.

This will allow POWER cluster to develop comprehensive approaches to meet the strategic challenges of the offshore wind energy industry in the North Sea Region (NSR) and make the region a better place in which to live, work and invest.

More information: www.power-cluster.net



The cross-border INTERREG 4A FURGY (FUTURE Renewable energy) project brings together the active actors and

existing knowledge in the renewable energy and energy efficiency sectors in South Denmark and Schleswig-Holstein region to create a vital knowledge network.

The network will transcend the German-Danish border and use the geographical proximity for increased cooperation at all levels. In real terms, this means that the businesses involved have the opportunity to find new partners on the other side of the border for the mutual enhancement and benefit of their businesses.

More information: www.furgy.eu



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SCHEDULE

3.00 pm – 3.15 pm

Welcome address

Mayor Rainer Maaß, *City of Husum*

Dr. Cordelia Andreßen, *Secretary of State
Ministry of Science, Economic Affairs and
Transport, Schleswig-Holstein*

Uwe Möser, *President of the Flensburg Chamber of
Commerce and Industry*

Ministerium für Wissenschaft,
Wirtschaft und Verkehr
des Landes Schleswig-Holstein



3.55 pm – 4.25 pm

Prof. Dr. Seamus D. Garvey, *Neville Rieger Professor
of Dynamics and Director of the Rolls-Royce UTC in
Gas Turbine Transmissions, School of Mechanical
Materials and Manufacturing Engineering, University
of Nottingham*

**"Integrated Compressed Air Renewable Energy
system - thermal performance"**

4.25 pm – 4.45 pm

Learning by doing: experiences from case studies

Prof. Dr.-Ing. habil. Detlef Schulz, *Helmut Schmidt
University - University of the Federal Armed Forces
Hamburg, Electrical Power Systems*

**"Large-scale energy storage with unconventional
pumped hydro storage facilities"**

4.45 pm – 5.05 pm

Business needs for transnational cooperation

Ralf Plischke, *50Hertz Transmission GmbH, Güstrow*
**"Collection Baltic Sea offshore wind parks and
storage of energy"**

5.05 pm – 5.15 pm

David Wood, *Suffolk/UK,*
Work package coordinator POWER CLUSTER
"POWER cluster Mapergy 'a Gateway to Europe'"

5.15 pm – 5.30 pm

Conclusion and visions network

Mr. Wolfgang Schulz and Mr. Gorm Casper

5.30 pm – 6.00 pm Coffee & b2b-talk

Moderation: Mr. Gorm Casper (*IHK Flensburg*)
Mr. Wolfgang Schulz (*MWV SH*)

Energy Storage Technologies:
State of the Art – State of Research

Wednesday, 22 September 2010

3 pm – 6 pm, HUSUM WindEnergy, R 3

3.15 pm – 3.35 pm

Introductions to the subject: objectives and motivation

Dr. Georg Menzen, *Scientific Assistant, Federal
Ministry of Economics and Technology, Bonn*
**"Electricity Storage Technologies: Increasing
Importance in the German Energy Research
Programme"**

3.35 pm – 3.55 pm

Research challenges for offshore wind farms

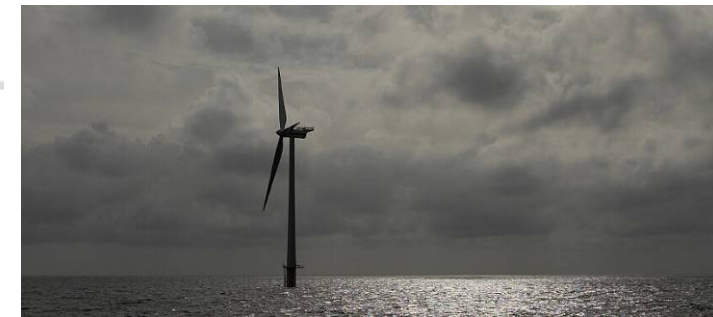
Dipl.-Geophys. Wolfgang Rolshofen, *Institute of
Mechanical Engineering, Technical University of
Clausthal*

**"The Clausthal concept: Base Load Power from
the North Sea - state of research"**

HUSUM WindEnergy

The Leading
Wind Energy Trade Fair

21 – 25 Sept. 2010
Husum, Germany



More information is available at:

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