

Programme

Wednesday, 6 September 2007

9.30 a.m. **Address of welcome**
Rainer Schöndube, Peter Dalhoff (Germanischer Lloyd)

Block 1: The real life

Chaired by:
Johny Liebst (EPC Management ApS)

9.45 a.m. **Offshore windfarm projects – implementation experience in a nutshell**
Johny Liebst (EPC Management ApS)

10.05 a.m. **The Beatrice demonstrator – first deepwater offshore windfarm**
Allan McAskill (Talisman Energy)

10.25 a.m. **Horns Rev repair – problems, reasons and solutions**
Kim Ahle (DONG Energy)

10.45 a.m. **FINO research platform – four years of offshore experience**
Gundula Fischer, Peter Dalhoff (Germanischer Lloyd),
Detlef Kindler (WINDTEST Kaiser-Wilhelm-Koog)

11.05 a.m. **Coffee break**

Block 2: The connection The grid – expert panel

Chaired by:
Frans van Hulle (EWEA)

11.15 a.m. – **Vattenfall Europe AG**
12.30 p.m. Dr. Oliver Weinmann

E.ON Netz GmbH
Dr. Siew Bopp

Essent-Wind Deutschland GmbH
Achim Ernst

Deutsche Energie Agentur GmbH (dena)
Albrecht Tiedemann

**Bundesministerium für Umwelt, Naturschutz und
Reaktorsicherheit (BMU)**
Udo Paschedag

BARD Engineering GmbH
Heiko Roß

12.30 p.m. **Lunch break**

Block 3: The basics

Chaired by:
Christian Nath (Germanischer Lloyd)

2.00 p.m. **BSH-standard for the design of offshore wind turbines in the German EEZ**

Dr. Manfred Zeiler
(Bundesamt für Seeschifffahrt und Hydrographie)

2.20 p.m. **Protection and safety concept for offshore windfarms**
Dr. Ursula Prall (Offshore Forum Windenergie)

2.40 p.m. **IEC 61400-3 – the international offshore wind turbine design standard**
Dr. Tim Camp (Garrad Hassan & Partners Ltd.)

3.00 p.m. **Coffee break**

Block 4: The future

Chaired by:
Jan Rispens (Windenergie-Agentur Bremerhaven / Bremen e.V.)

3.30 p.m. **Tools for estimating operation and maintenance costs of offshore windfarms**

Luc Rademakers, Henk Braam (ECN Wind Energy),
Peter Frohböse (Germanischer Lloyd)

3.50 p.m. **Planning progress for the German offshore demonstrator**
Wilfried Hube (DOTI)

4.10 p.m. **Jacket-type foundation structures – state of the art and latest developments**

contribution by:
4.10 p.m. Dr. Alexander Mitzlaff (IMS Ingenieurgesellschaft mbH)
4.30 p.m. Per Bull Haugsøen (OWEC Tower AS)

4.50 p.m. **Closing words**
Peter Dalhoff (Germanischer Lloyd)

Registration

To be addressed to: Germanischer Lloyd Industrial Services GmbH
Business Segment Wind Energy
Mirja Rathlev
Steinhoeft 9, 20459 Hamburg, Germany

Fax: +49 40 36149-1720
email: mirja.rathlev@gl-group.com
Internet: www.gl-group.com/glwind and
www.windfair.net/how

I hereby register for the participation in the conference "Hamburg Offshore Wind 2007". The fee for 6 September 2007 includes the conference fee, catering and the proceedings.

Participant

Company

Surname, first name/title

Street/street number/P.O. box

Postcode/town

Phone/fax

email

VAT no. (only required for international participants)

I will take part in:

- the conference on 6 September 2007
- the conference dinner on 5 September 2007
- the conference including conference dinner
- I will take part for reduced attendance fee
(please enclose copy of verification)

The conference fee is to be paid on receipt of the invoice, stating invoice number, company name and name of the participant.

Date/signature

0E510 2007-05-01

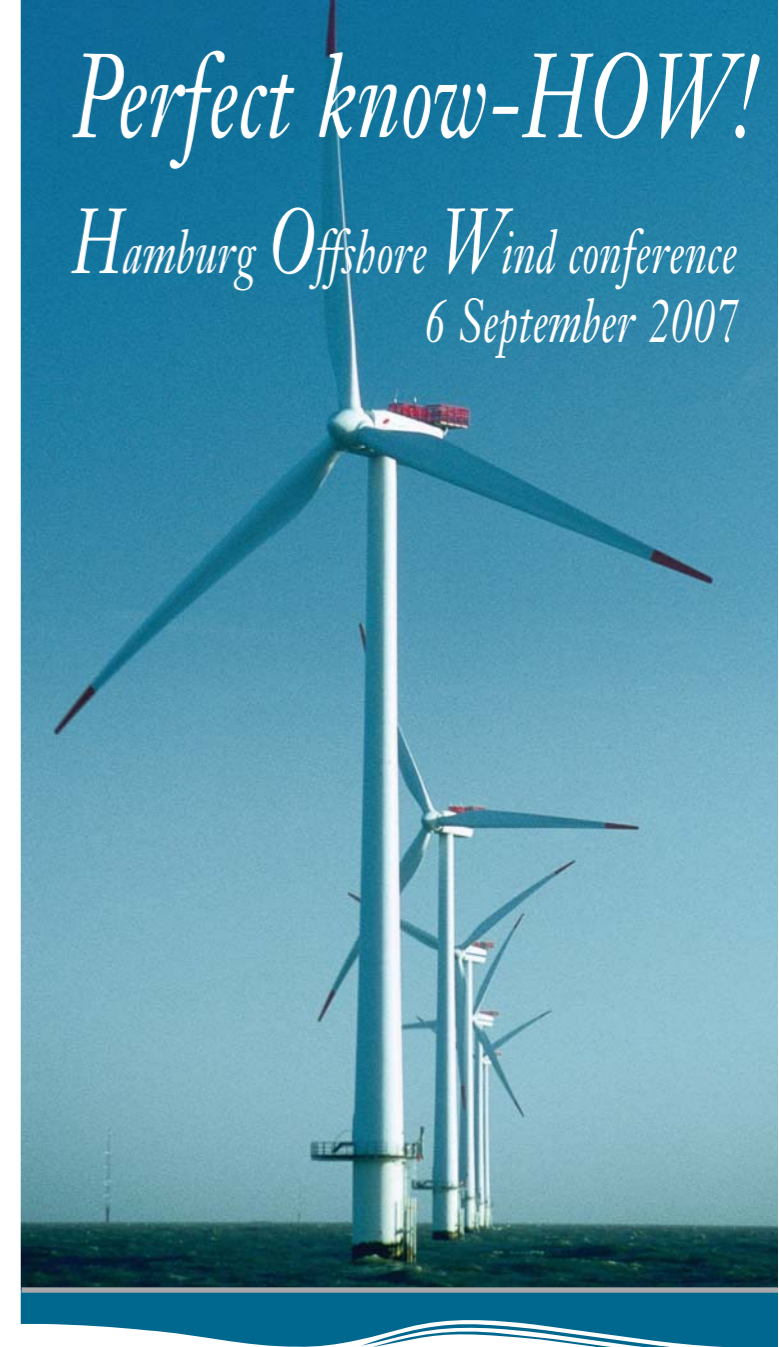


Media partner:

www.windfair.net

Perfect know-HOW!

Hamburg Offshore Wind conference 6 September 2007



Germanischer Lloyd
OPERATING 24/7

Dear ladies and gentlemen,



Resolving the energy issue is not only one of the major challenges on a global scale, but also with regard to the German economy. We not only have to provide suitable concepts to counter climate change but also the continued worldwide demand for energy, Germany's strong dependence on energy imports as well as the high energy prices for German consumers.

Only by massively increasing the energy efficiency and rigorously expanding the renewable energies can this

challenge be dealt with adequately. Here Germany can become a role model for Europe and the world.

After an intensive preparation phase, it is now time to gather practical experience in the area of offshore wind energy utilisation in Germany. With this domestic and clean energy source, we can achieve by 2030 a share of up to 15 per cent based on electricity consumption today. Onshore another ten per cent are possible, which means that one-quarter of German electricity consumption can be covered by wind energy alone.

With the support of the Federal Ministry of the Environment (BMU), it has now been possible to set in motion a significant dynamic development on Germany's offshore wind energy market.

The past months have been of great importance for the future of Germany's offshore wind energy use, because we have overcome major obstacles: the Foundation of the German Economy for the Utilisation and Research of Offshore Wind Energy has been established, in October of last year we agreed to build the test field, for which the BMU has set aside 50 million euros, and the Infrastructure Planning Acceleration Act came into force in early 2007. This has created the necessary general framework which makes it possible to start commercial use of offshore wind energy in Germany.

In moving out into the ocean, the German engineers will be able to prove themselves once again in a number of different areas. This applies to the development and construction of suitable foundations for particularly deep water as well as to the area of grid integration. Similarly, focus will have to be placed on the offshore suitability of the five-megawatt wind turbines or on a series of logistical issues of assembly and maintenance of these.

I am convinced that the first offshore windfarms will be completed in Germany very soon. Here we can rely on the highly innovative wind sector, which in cooperation with a strong maritime economy will offer feasible and trendsetting concepts for solutions as well as innovative technologies.

With offshore wind energy Germany will be able to make a crucial contribution to solving one of the most urgent problems of our age. In this spirit, I wish the participating experts a successful "Hamburg Offshore Wind 2007" conference.

Sigmar Gabriel
Federal Environment Minister

Dear visitor,



How is the world's growing demand for energy to be satisfied in the future? What can be done against increasing global warming with its harmful effects on people and the environment?

Politicians, economists and scientists are currently debating these topics. Counteracting the change in climate is becoming the foremost challenge of our time. Alternatives to the conventional means of power generation by fossil fuels are more in demand than ever before:

the regenerative energies, such as wind, are taking on a decisive role.

The wind energy capacity installed onshore throughout Germany has increased constantly in recent years. Now the focus is also on tapping the resources at sea: applications have been submitted for 40 projects off the German coast, of which 21 are already approved. Commissioning of the first offshore windfarm in the North Sea is planned for 2008.

At present, German wind turbine manufacturers are still testing their turbines for offshore operation. At the same time, the maritime industry is presenting initial concepts for the construction, transportation, installation and maintenance of windfarms at sea. Planning, approval and implementation procedures are being initiated and financing concepts are being developed to keep the investment risk adequately low.

Optimising the safety, efficiency and profitability of wind turbines provides the focus of attention for our GL Wind experts. This, too, is why we are actively participating in the advancement of national and international standards and codes. For the start of construction of offshore windfarms in Germany, we are well equipped with our "Guideline for the Certification of Offshore Wind Turbines", a standard that is recognised the world over. It unites our wide-ranging experience and the knowledge gained from numerous research projects with the provisions of international codes.

One thing is sure: we must utilise the enormous potential offered by offshore wind energy, so that energy can be supplied efficiently and in a sustainable manner.

I wish you stimulating presentations, fresh insights, and an intensive exchange of experience!

Rainer Schöndube
Member of the Executive Board, Germanischer Lloyd

Information

Conference office

Germanischer Lloyd Industrial Services GmbH
Business Segment Wind Energy
Mirja Rathlev
Steinhoeft 9, 20459 Hamburg, Germany
Phone: +49 40 36149-7016
Fax: +49 40 36149-1720
email: mirja.rathlev@gl-group.com
Internet: www.gl-group.com/glwind

Venue

Conference on 6 September 2007, 9.30 a.m. – 5 p.m.
Hotel Hafen Hamburg – "Elbkuppel"
Seewartenstrasse 9, 20459 Hamburg, Germany
Phone: +49 40 31113-0
Fax: +49 40 31113-70 601
email: info@hotel-hamburg.de
Internet: www.hotel-hamburg.de

Conference dinner on 5 September 2007, 7 p.m.
Ship "Rickmer Rickmers"

The windjammer "Rickmer Rickmers" was launched in 1896 as a steel full-rigger in Bremerhaven. After many adventurous passages it today rests at St. Pauli Landungsbrücken as a museum, venue, restaurant and floating landmark of Hamburg.

Landungsbrücken, Ponton 1a
20359 Hamburg, Germany
www.rickmer-rickmers.de

Organisation

Registration

The registration can be carried out using the form on the back of this flyer by mail, by fax or by email by 15 August 2007. The number of participants is limited, therefore we recommend early registration.

Price per person

	before 15.7.2007	after 15.7.2007
Participation without conference dinner	€ 330,- + VAT	€ 380,- + VAT
Participation including conference dinner	€ 400,- + VAT	€ 450,- + VAT
Students and retired persons	€ 190,- + VAT	€ 210,- + VAT
Conference dinner	€ 80,- + VAT	€ 80,- + VAT

Confirmation

After registration you will receive a confirmation together with invoice and directions. Invoices have to be paid before the beginning of the conference.

Registration

The participants can register on 6 September 2007 from 8.30 – 9.30 a.m. at the entrance of the "Elbkuppel". You will also receive the proceedings of the conference there.

Charges for cancellation after registration

A charge of € 95,- applies for cancellations received before 15 August 2007 (date of postmark), after that date no refund will be given. In this case the proceedings are sent to you after the conference. It is possible to register an alternative participant.