

## 1-Day Seminar: „Wind Farm Projects“

In this seminar technical background is explained which is needed for the development and financing of a wind farm project including the assessment of the financial risks. Information will be given on how these risks can be reduced. Crucial points for the economy of a wind farm are the wind conditions, turbine technology, power curve, maintenance costs and contractual issues dealing with energy production warranties. These performance warranties guarantee that the wind turbines produce the energy expected from the existing wind conditions.

Typical questions dealt with in the seminar:

- Which are the requirements to be met by a reliable site assessment?
- Which are the different methods of power curve verification?
- What are the essentials of operation and maintenance contracts including full service packages?
- What should be taken into account when formulating performance warranty clauses in purchase contracts?
- Is the site in accordance with the certification requirements of the wind turbine?

### Contents:

Wind Energy Use in Europe and Worldwide  
 General Aspects of Wind Farm Development  
 Turbine Technology  
 Certification Requirements  
 Site Assessment  
 Grid Connection and Power Quality  
 Energy Yield Prediction  
 Wind Farm Optimisation  
 Operation & Maintenance Contracts / Costs  
 Technical Due Diligence and Risk Assessment  
 Performance Warranties and Verification  
 General discussion

### Target group:

Banks, project developers, investors, manufacturers, sales departments, utilities, building authorities

**Language:** English  
**Beginning:** 10:00 h  
**End:** 17:00 h  
**Price:** 890 A\$\*

\*Seminar fee at registration before Sept. 10<sup>th</sup> '04: 850 A\$

### DEWI's Seminars

- *Quality by Know-how* -

The German Wind Energy Institute (DEWI) has many years of international experience and offers commercial services in all aspects dealt with in the seminar.

The seminar is held by **Dr. Helmut Klug**, Vice Managing Director of DEWI, who is an expert with many years of practical experience in technical due diligence and in the fields of power curves (member of the IEC Power Performance MT), wind speed measurements (IEA expert), acoustic measurements (IEC chairman) and energy yield guarantees in purchase contracts.

Since 1991, DEWI has been conducting over 100 wind energy courses and seminars lasting from one day to up to four months. More than 1,500 participants from over 30 countries attended these courses either at DEWI or in other locations around the world. Due to the rapid development of wind energy use during the past few years there has been a strong increase in the demand for comprehensive information about this subject.

Among other course subjects, DEWI offers this 1-day seminar directed in particular to all those whose job requires a profound general knowledge of the technical backgrounds and financial risks of wind farm projects.

The final discussion of the seminar is reserved for your individual questions and specific wind farm projects which then will be dealt with in detail.

#### Contact in Australia:

**Tel.: +61 (0) 422 167 468**

**E-Mail: dewi@turnus.biz**



**Registration** FAX: +49 (0) 4421-4808-43

Code	Price	Short title	Date
G 5/04	<input type="checkbox"/> A\$ 890*	WT Techniques	Sept. 28 <sup>th</sup> , 2004
<b>P 3/04</b>	<input checked="" type="checkbox"/> <b>A\$ 890*</b>	<b>WF Projects</b>	<b>Sept. 29<sup>th</sup>, 2004</b>
GP 1/04	<input type="checkbox"/> A\$ 1,600*	Combi-Seminar	Sept. 28/29 <sup>th</sup> , 2004

Participant's name .....

Company .....

Street .....

Postal code, city .....

Country .....

Telephone .....

Fax .....

E-mail .....

Your V.A.T. number .....

Place \_\_\_\_\_ Date \_\_\_\_\_ Signature \_\_\_\_\_

**I have read and accept the conditions and liabilities**

**I pay by:**

**cheque enclosed**

**bank transfer to:** Oldenburgische Landesbank  
Account No. 901 5050 900  
Bank code: 282 200 26

On the payment form please mention:

**Seminar code** and **name** of participant

**Payment by credit card**

VISA

MasterCard / Eurocard

Name: .....

Card No.: .....

Valid until: .....

Total sum: ..... A\$

Place \_\_\_\_\_ Date \_\_\_\_\_ Signature \_\_\_\_\_

**Place:** Melbourne, Australia

**Date:** Sept. 29<sup>th</sup>, 2004

**Language:** English

**Participants:** Maximum 25 persons

**Instructor:** Dr. Helmut Klug,  
DEWI Vice Managing Director

**Seminar fee:** 890 A\$\*  
incl. coffee/tea during breaks

**Certificate:** Each participant will be given a participation certificate.

**Schedule:** 10:00 - 11:30 Seminar  
11:30 - 11:45 Coffee break  
11:45 - 13:00 Seminar  
13:00 - 14:00 Lunch break  
14:00 - 15:30 Seminar  
15:30 - 15:45 Coffee break  
15:45 - 17:00 Seminar, Final Discussion

**Seminar documents:** All diagrams, tables and figures presented during the seminar with room for own notes will be handed out to the participants at the beginning of the seminar. Current publications on the subject in question, the latest DEWI Magazine with technical and scientific information as well as lecture notes for certain specialist subjects are also included in these documents.

Please note also our current seminar programme, which can be found on our web site:

<http://www.dewi.de>

**Conditions and liabilities**

Registration will be confirmed by DEWI upon receipt of payment. Please note that your registration is only valid after receipt of payment. DEWI reserves the right to cancel the seminar if the minimum number is not reached. In that case the seminar fee already paid will be fully refunded. If you cancel your registration not less than 20 days before the seminar starts, we will charge a handling fee of € 50.- incl. V.A.T., thereafter and in case of non-appearance, the full fee (100%) will be kept. A substitute person will of course be accepted. If more than one representative of a company register for the same course, a 10% price reduction will be granted for the second and each following participant. Please understand that we can only accept registrations made in writing.

\*Seminar fee at registration before Sept. 10<sup>th</sup> '04: 850 (1,550) A\$

**1-Day Seminar:**

**Wind Farm Projects**

(P 3/04)

**September 29<sup>th</sup>, 2004  
in Melbourne, Australia**



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