



Wind PRO

ADVANCED TRAINING COURSES 2012



Wind
PRO

Software for wind energy project and planning



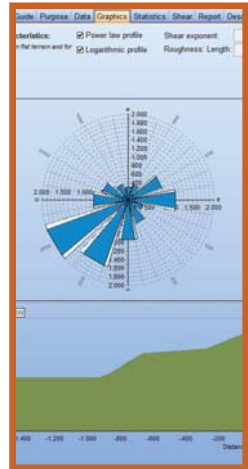
PROGRAMME

The Advanced WindPRO course is for the experienced WindPRO user who wants to go deeper into WindPRO and may have accumulated questions on its use.

This is also a good way to get introduced to the new features of WindPRO 2.8.

Day 1

- Building a project in WindPRO
- Wind Measurement Analysis
- Wind Model Validation
- Long-term Correction of Wind Measurements
- Complex modeling (Forests, RIX, CFD etc.)



Day 2

- Micro Siting
- Site Compliance
- Loss and Uncertainty
- Environmental issues
- Q/A





Day 1: The wind model

The wind model is one of the most critical elements of a wind turbine project and also one of the most complex elements. The course goes beyond the simple wind model of the basic course and focuses on three vital phases:

- The analysis of the meteorological data including remote sensing instruments and data substitution
- The validation of the wind model. Is the model you have created correct and how can you verify it using cross-predictions, wind profile analysis and reference turbines?
- Long term correction of the measurement, the methodologies and the plethora of reference data available including the new online options in WindPRO 2.8

During the day it will also be possible to discuss the complex site issues facing the participants.

Day 2: Micro siting

The second major question often facing the WindPRO user is which turbines to place where. This is a matter of effective use of the land, optimizing the production, complying with the environmental constraints and complying with the turbine specifications.

The three main elements are:

- Optimizing the wind farm using site and noise constraints and the wind resource
- Site compliance, the new module in WindPRO to check the IEC criteria for the site and hold it up against the turbine type and layout. This is the turbulence, extreme wind, site complexity and many more calculations in one operation and will supply a major part of the site information a developer needs to submit to the turbine provider
- Loss and uncertainty. At the end of the day what will the wind farm yield? This will help the participant through the LOSS & UNCERTAINTY module to find the P50, P75, P90 etc. production values for the project

During this course day it will be possible to discuss the environmental issues facing the participants such as noise and flicker and their impact on the production and layout.





REGISTRATION

Practical Information

Prices

1 participant	1 day	Euro	440	US Dollars	660
1 participant	2 days	Euro	860	US Dollars	1.290

Prices in USD may be changed without notice according to the prevailing exchange rate between Euro and USD.

Payment

Invoice will be sent before the course and payment is due before the course.

Danish VAT will be added to the above prices if no VAT number is provided (this only applies to EU-based companies).

Place

Please visit www.emd.dk/WindPRO/Courses for an updated list of course dates and locations.

We also offer inhouse training courses e.g. at your premises as well as basic training courses.

