

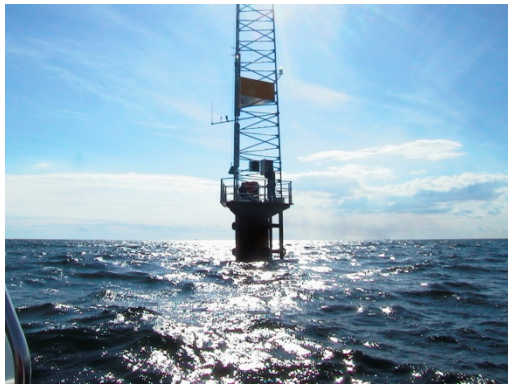
# Offshore Wind Energy: Technical Course 2010

8-11<sup>th</sup> November

## The offshore wind energy course

The Wind Energy Division at Risø DTU National Laboratory for Sustainable Energy offers a technical course in offshore wind energy. The activities are:

- Lectures/tuition in various aspects of offshore wind energy in pre-planning, planning, and operational stages
- Study tour to an offshore wind farm
- Hands-on experience with offshore wind resource assessment using WASP.



## Course details 2010

The course will take place at Risø DTU National Laboratory for Sustainable Energy, Roskilde, Denmark during the four days 8-11<sup>th</sup> November 2010.

## Topics and course programme

- Offshore wind resource assessment
- Remote sensing
- Status, planning and economics
- Offshore wind measurements
- Offshore standards/ project certification
- Load and design requirements
- Environmental impact assessment
- Wind turbine foundations
- Electrical grid and integration/operation
- Wakes in offshore wind farms
- Day trip to an offshore wind farm
- Wind farm monitoring, operation and maintenance
- WASP Offshore

## Who should attend?

The course is intended for wind energy developers, engineers, scientists and others, working within the field of offshore wind energy. Aspects of the theories underlying the concepts will be presented, but the course will require some knowledge of meteorology, wind energy conversion technology etc. For the afternoon session on offshore wind resource assessment

using WASP, experience in using this program is assumed.

## Course fee

The course fee covers tuition, course materials, lunches and light refreshments, a course dinner and travel (bus/boat) to the offshore wind farm. Travel to the course and accommodation are not included. The course fee is €3500 or if you register before 8<sup>th</sup> October 2010 the fee is €3000.

## Presenters

Wind energy experts from the Risø DTU National Laboratory for Sustainable Energy, Wind Energy Division as well as representatives from the industry including the developers of offshore projects.



## Language

The course language will be English.

## More information

To obtain more information and sign up to this course please email: [offshore.course@risoe.dk](mailto:offshore.course@risoe.dk)

## Specific courses and consultancy

Risø DTU offers courses and training specifically tailored to meet the needs of a particular institution, company or wind energy project. In addition we offer consultancy services including offshore wind resource assessment and wind farm development etc.

For more information please contact

Charlotte Hasager ([cbha@risoe.dtu.dk](mailto:cbha@risoe.dtu.dk)) or  
Niels-Erik Clausen ([necl@risoe.dtu.dk](mailto:necl@risoe.dtu.dk)).

Risø DTU National  
Laboratory for  
Sustainable Energy  
Wind Energy Division  
VEA-118  
DK-4000 Roskilde  
Denmark

Phone +45 46 77 50 97  
Fax +45 46 77 59 70  
[offshore.course@risoe.dk](mailto:offshore.course@risoe.dk)  
[www.risoe.dk/vea](http://www.risoe.dk/vea)