



MEDOW Summer School

16/06/2015

Copenhagen, Denmark

Present:

Universities/Member
Dr. Hans Chr. Soerensen
MEDOW supervisors and ESRs
Postgraduate students from DTU

Title:

Visit to Middelgrunden Offshore Wind Farm

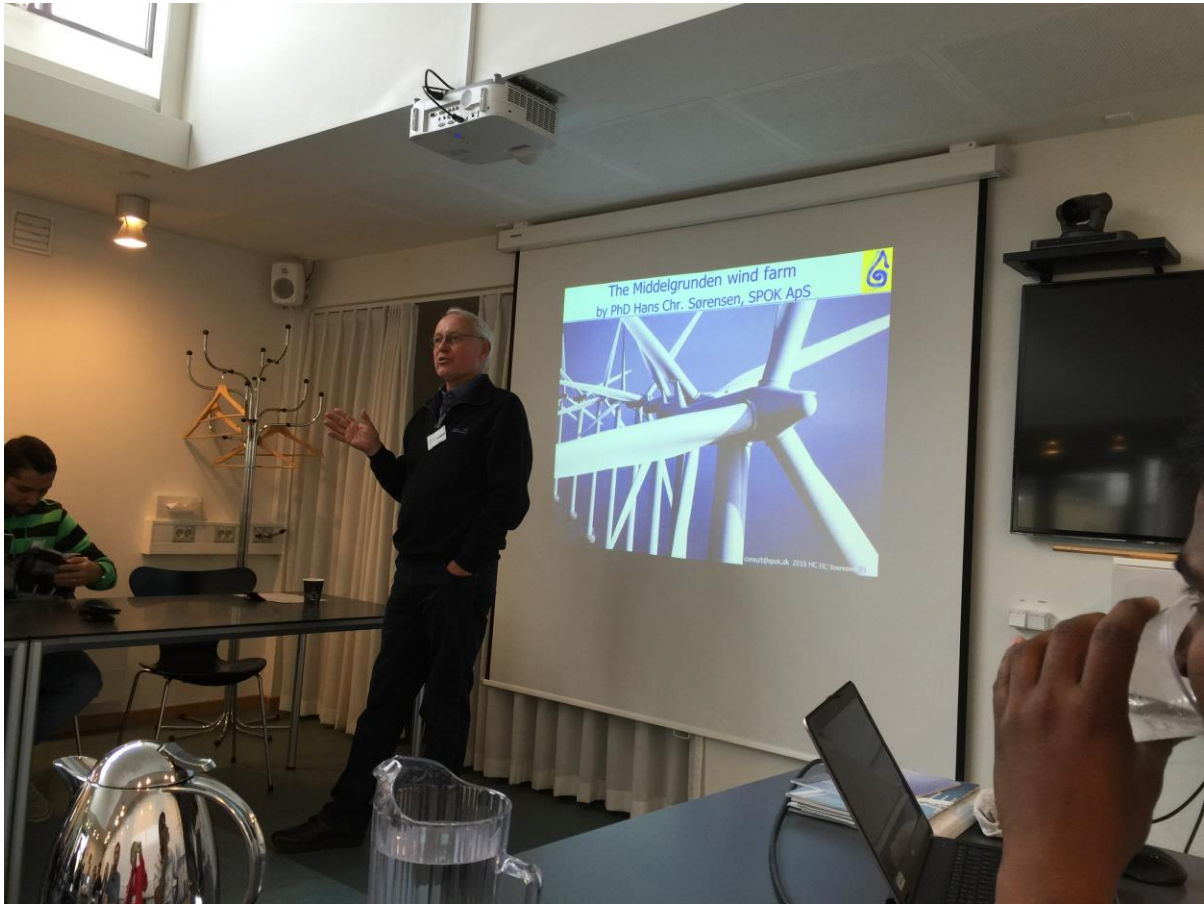
By Dr. Hans Chr. Soerensen

Recorded by Gen Li

Dr. Hans Chr. Soerensen presented the history of the Middelgrunden Wind Farm. It is an offshore wind farm in the Øresund 3.5 km outside Copenhagen, Denmark. When it was built in 2000, it was the world's largest offshore farm, with 20 turbines and a capacity of 40 MW.

After the presentation, we transported to the harbour where a boat was waiting us. Around 20 minutes, we arrived at the very left wind turbine of the wind farm. The capacity of the turbine is 2 MW. The height of the hub is 64 meter. The rotor diameter is 76 meter. The total height is 102 meter! All of us climbed to the top of the turbine. We looked around inside the narrow hub, the generator and the turbine. The generator is from ABB, it was still warm when we touch it! Outside the window, we can look the panorama of the whole OWF. It is a magnificent sight on the top of an offshore wind turbine!

It is very cool to have an experience on the top of an offshore wind turbine.



Dr. Hans Chr. Soerensen.



The Middelgrunden Offshore Wind Farm.



From the bottom of the wind turbine.



Family photo.