Vattenfall Wind Power a Green Job Creator

Promoting green emplyment Brussels, September 28, 2010





Thanet – the largest offshore wind farm in the world



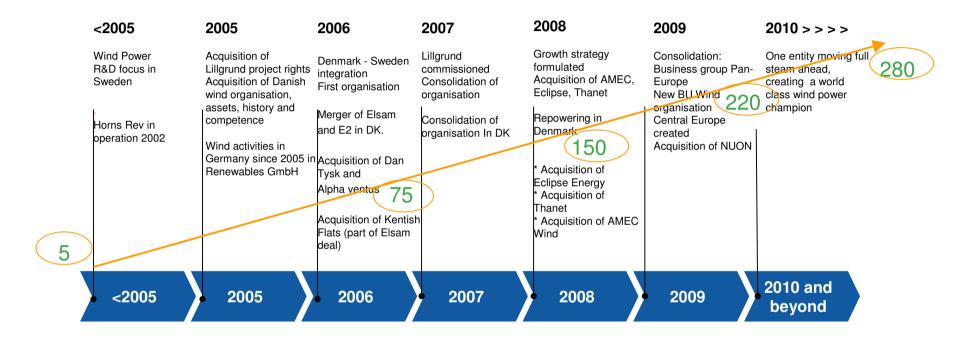


Vattenfall in brief

- Europe's fifth largest generator of electricity and the largest producer of heat
- Vision: To be a leading European energy company
- Operations currently in Sweden, Finland, Denmark, Germany, Poland, the Netherlands, Belgium and the UK
- New core markets: Sweden, Germany and the Netherlands
- Electricity: generation, transmission, distribution and sales
- Heat: production, distribution and sales
- Gas: distribution and sales
- Energy trading and lignite mining
- Consulting and contracting activities in the energy sector
- 40,000 employees out of which 25-30 % have green jobs
- Vattenfall AB is wholly owned by the Swedish state



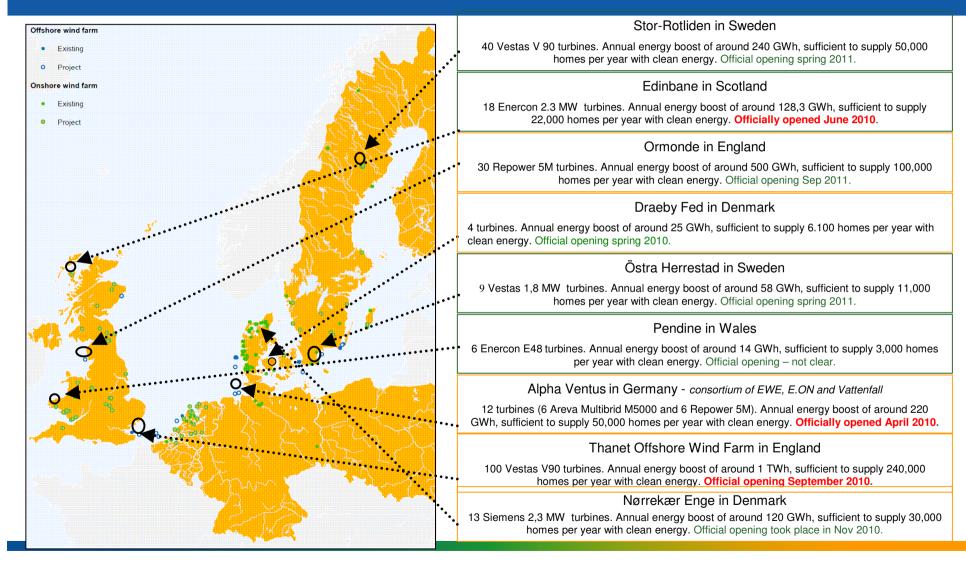
History of Vattenfall Wind Power



Vattenfall Wind Power is still being created



Vattenfall is building nine wind farms in six countries





Stor-Rotliden – in construction

Stor-Rotliden -	Key	Data
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Rated power	78 MW (29x2MW & 11x1.8MW)
Expected energy generation	229 GWh/year

Location – Åsele kommun, Västerbottens län





Project Background and Progress

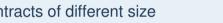
- Project developed by o2 Vindkompaniet
- Acquired in Q1 2009 (fully consented)
- Civil works (roads) started in June 2009.
- All turbines in place and commissioning is expected at the end of 2010
- Key suppliers (multi-contract)
 - Vestas V90, 29 rated 2MW and 11 rated 1.8MW
 - PEAB: civil works
 - Siemens: Transformer and substations
 - Ericsson: Electric and optic cables
 - Grid connection: Vattenfall Eldistribution (130kV substation Tuggen)
- 70 100 persons have worked constantly at the site
- A local O&M group consisting of 9 persons will operate the wind farm
- · Secondary jobs will be created in e.g. tourism

Approximately 100km west of Umeå (130km by car).



Thanet Offshore Wind farm

Thanet - Key Data		Project Background and Progress
Rated power Expected energy generation Location – offshore UK	300 MW (100x3MW) 974 GWh/year Covers the annual need for 200 00 British households	 Thanet offshore wind farm will be the largest operational wind farm in the world when commissioned. Officially opened on 23 September 2010. Key supplier Vestas V90: 100 turbines à 3MW Many contracts of different size
	The Thanet project is located approximately 12 km off Foreness Point, the most eastern part of Kent.	 The offshore work commenced in March 2009 The wind farm covers an area of 35 square kilometres, enough to cover 4 000 football pitches More than 3 600 people have worked on the project Vestas 100 Foundation contractors 200 Sub-station 165 Cable work 50 Heavy Lift 150 Support services 330 Various 2 550 The TOW service centre will employ some 40 persons base in Ramsgate



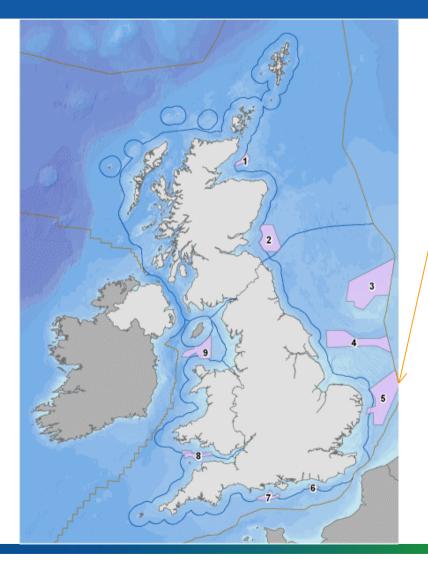
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ed on the project

_	Vestas	100
_	Foundation contractors	200
_	Sub-station	165
_	Cable work	50
_	Heavy Lift	150
_	Support services	330
_	Various	2 550



UK Round III



Vattenfall, together with Scottish Power Renewables, owned by Iberdrola of Spain, has been awarded an area offshore East Anglia on the UK west coast, zone 5 - Norfolk

Key facts on zone 5 – Norfolk

•The total zone area is 6036.8 km², which is approximately 10 per cent larger than the county of Norfolk itself

•55.5 km distance to mainland

•Maximum depth is 70.1 m

•Minimum depth is 5 m

•This is the shallowest of all the Round III zones.

The plan is to build 12 wind farms, each with an installed capacity of 600 MW (7 200 MW). The green job creation will be significant if the project is realized.



Thank you for your attention!



