



Pauwels continues its offshore applications with Siemens Wind Power in Europe

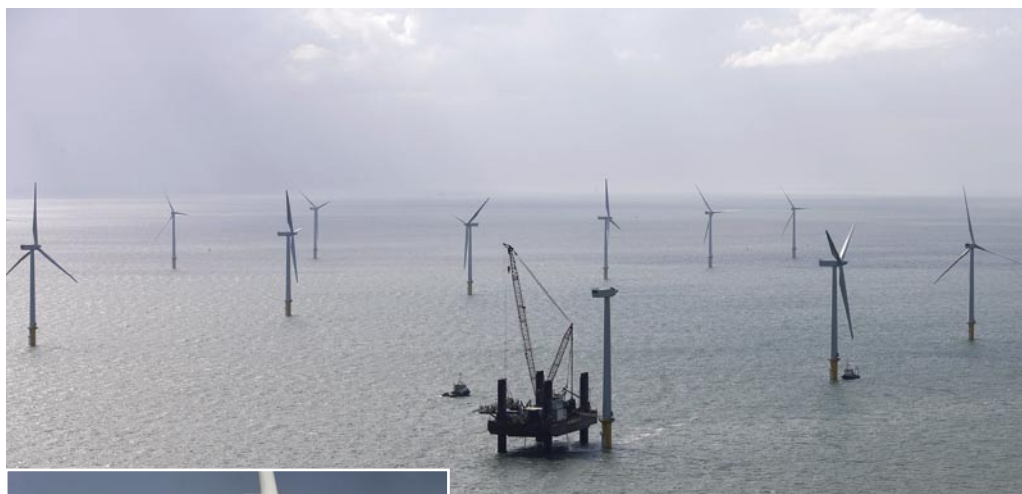
Siemens Wind Power has called in the help of Pauwels Trafo Belgium for a number of its offshore projects. As a result, Pauwels has received an order to build 25 4MVA 34kV/690V KFAF SLIM® transformers. What is so special about these transformers is the fact that they are cooled with a heat exchanger system developed by Siemens Wind Power.

The transformers are used in an offshore turbine project near Burbo Banks Wind Farm (Liverpool Bay) in the UK. The last of the 25 turbines was installed on 29th June 2007. Installed at the base of the tower, these transformers have much more compact dimensions than traditional SLIM®-transformers due to the use of a heat exchanger that provides forced cooling. Silicone fluid is pumped to the heat exchanger, which is located in a separate air-ventilated space. As a result of this separation the transformer is protected from moist and salty air.

Three prototypes preceded the current transformers for the Burbo Banks wind farm. They were extensively tested in The Netherlands and Denmark. The impact of the circuit breaker switching on the transformer was tested for the first time and the results were very satisfying. Both Pauwels and Siemens Wind Power have invested considerable time in research and development to achieve these results. The use of silicone fluid as coolant in these transformers also ensures a high degree of fire safety, while this range of SLIM® transformers is more compact than ever.

Pauwels has received a second order from Siemens Wind Power for another range of fifty-four 4MVA SLIM® transformers. They will be used for the Lynn & Inner Dowsing wind park in Lincolnshire, on the east coast of England. Siemens Wind Power is also involved in the plan for a wind farm in the Oresund strait between Denmark and Sweden. This has generated an order for 48 turbines equipped with 2.6MVA 33kV/690V SLIM® transformers.

These projects for Siemens Wind Power have enabled Pauwels to move firmly towards offshore applications. Pauwels expects to deliver 158 transformers for offshore applications by the end of the year, totalling a capacity of over 520MVA.



> Pauwels received orders with a total capacity of over 520MVA in offshore applications in 2007

> For more information, please contact
Yves Vanlinthout, Sales Manager South & East Europe,
Pauwels Trafo Belgium N.V.
T+ 32 15 283.397
E yves.vanlinthout@pauwels.com