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## **DUDGEON OFFSHORE WIND FARM**

## ABB SELECTED AS PREFERRED SUPPLIER FOR ELECTRICAL WORKS

Dudgeon Offshore Wind Limited (DOW), a subsidiary of Warwick Energy Limited, has selected ABB Limited (ABB) as the preferred supplier for the delivery of the electrical works for the Dudgeon Offshore Wind Farm (Dudgeon) project following a competitive tendering exercise.

The formal contract for these services in not expected to be signed until 2013, dependent on the finalisation of both consenting and funding aspects for the project, however this decision does allow DOW and ABB to work together on important detailed design work that will help move the project forward.

The electrical package of works for Dudgeon covers the offshore and onshore substations, the cabling systems, the electrical control systems and the overall electrical design. The final scope and value of any contract between ABB and DOW is still under discussion.

The initial priority is to add further definition to the onshore substation and onshore cable route design work already undertaken and to review options and timings for the marine export cable. Some additional surveys have already been commissioned to help with some of this work.

ABB is one of the World's largest and most successful electrical equipment suppliers and installers and has been active in the offshore wind sector for many years. The work for the Dudgeon project will be led by ABB's UK team based in Stone, Staffordshire.

ABB already employ around 2600 people in the UK. Involvement in delivering the electrical system for Dudgeon will support ABB's ongoing multi-million pound investment programme in the Stone operation. This includes the creation of new skilled engineering and construction positions, expanded apprentice programmes plus new and updated facilities. ABB will use local contractors and sub-suppliers wherever possible and practical.

'We are very pleased to welcome ABB to the Dudgeon project' commented Mark Petterson, Project Director 'their capabilities and experience will be important in helping us complete the design work and ensure a safe and efficient delivery of this major green infrastructure project'

The Dudgeon site, where the wind turbines will be installed, is located 32km offshore due north from Cromer. Consent for the offshore elements of the project is anticipated shortly with power generation currently scheduled to commence by late 2015.

## **NOTES TO EDITORS:**

- 1. The Dudgeon project would produce enough electricity on average to supply up to 400,000 homes with green electricity, approximately the same number of households that exist in the county of Norfolk.
- 2. The Dudgeon project will generate up to 560MW and involve private sector investment of up to £1.5bn; save up to 40 million tonnes of carbon dioxide emissions over its expected 50 year life; and provide more than 0.5% of the UK's annual electricity needs. The project will create hundreds of jobs during the three year construction phase and up to 100 direct full time jobs thereafter.
- 3. The 13 individual elements of the electrical package could involve expenditure of up to £400m in total but could be let in several sub-packages to more than one contractor.
- 4. The other two main packages of work for the construction of the project are for the supply, installation and maintenance of the wind turbines and for the supply and installation of the turbine foundations. Preferred contractors for these remaining packages are expected to be announced later in 2012.
- 5. The consent applications for the offshore elements of the Dudgeon project were lodged with the Department of Energy and Climate Change (DECC) and the Department for Environment, Food and Rural Affairs (Defra) in June 2009 and are still being considered.
- 6. It is expected that electricity generation from offshore wind farms, such as this one at Dudgeon, will make a significant contribution towards the UK's target of producing at least 20% of its electricity needs from renewable sources by 2020.
- Warwick Energy's wind farm project at Dudgeon is one of 15 such projects that were awarded licenses by the Crown Estate in late 2003 as a national second Round of offshore wind projects.
- 8. The Dudgeon area holds the potential for a second stage of development which could more than double the output currently proposed.
- 9. Warwick Energy Limited is a leading UK developer of a range of energy projects and has previously been responsible for the development of the 90MW Barrow offshore wind farm (completed 2006) and the 300MW Thanet offshore wind farm (completed 2010).
- 10. Thanet was until recently the World's largest operational offshore wind farm facility, but Dudgeon could be almost twice its capacity.

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