



# Beatrice

Wind Farm Demonstrator Project

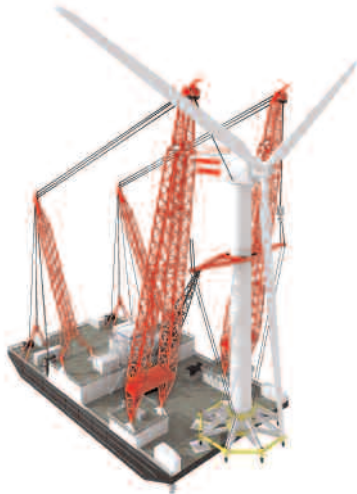
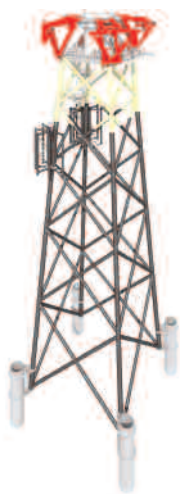
## BEST RENEWABLE INNOVATION AWARD



# Pioneering the development of wind energy in the deeper waters of the UK Continental Shelf

The Beatrice Wind Farm Demonstrator Project will apply the know-how and technology of the oil and gas industry to the offshore wind industry. Installing next generation 5MW turbines in water depths of up to 50m, the demonstrator will pioneer the use of a subsea jacket as the foundation for tower and turbines.

## INSTALLATION



The jacket substructure and the bottom half of the soft landing device are installed offshore in one piece. The jacket is secured by four piles.

The tower, turbine and the top half of the soft landing device are assembled onshore and transported to site using a floating crane.

The floating crane lifts the tower and turbine and lowers it on to the substructure. The soft landing device is then removed.

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SIXTH FRAMEWORK PROGRAMME