

# Little Cheyne Court Wind Farm

**Client :**  
Nordex UK

**Designer :**  
Davidson Walsh

**Location :**  
Romney Marsh, Kent

**Date :**  
2007 - 2009



Little Cheyne Court Wind Farm comprises 26 wind turbines. Each wind turbine measures 70m from the ground to the centre of the turbine hub and weighs more than 275T. The blades are 45m long, giving a total rotor diameter of 90m and a total wind turbine height to the tip of the blade of 115m. The turbines, produced by German manufacturer Nordex, are each rated at 2.3megawatts, giving the wind farm a total capacity of 59.8 megawatts.

Once operational, the wind farm will generate enough clean electricity to meet the average annual needs of some 33,000 homes, equivalent to the annual electricity demand of three quarters of the homes in the Shepway District Council area.

BAM Nuttall was employed by Nordex as the civils contractor and designer for the wind farm. Work commenced on site in mid September 2007 and included:

- Construction of 11Km of cement stabilised access tracks and 26 cement stabilised crane hard standings.

- Installation of 3.5Km of EDF ducting on site to supply generated power to the grid.
- Installation of approximately 700 CFA piles at lengths of up to 29m for the turbine foundations.
- Construction of 26 turbine foundations each consisting of approximately 40T of steel reinforcement and 300m<sup>3</sup> of concrete.
- Trench and backfill 11Km of wind farm cables.
- Installation of 3.5Km water and BT supplies to new sub station.
- Reinstatement works following turbine erection to all turbine locations and access track verges.

Completion of all foundations and services, allowed Nordex to commence turbine erection on programme at the beginning of June 2008.