

## Swaffham I, Ecotech Centre

We built the UK's first multi-megawatt wind turbine at the Ecotech Centre in Swaffham, Norfolk in 1999. It is one of a new generation of direct drive, variable speed wind turbines and produces enough electricity for around 3,000 people or over a third of the population of Swaffham.



The Ecotech Centre is an environmental education centre and Swaffham I includes a 65m high viewing platform, which has already been visited by over 50,000 people. The unique public viewing platform, designed by Foster & Partners, is situated just below the hub and can be reached by climbing a 300-step spiral staircase inside the tower.

Swaffham I is superior to conventional electricity generators, in terms of energy efficiency and yield, as well as having minimal environmental impact. An official Millennium Product, this world leading wind converter incorporates unique design advancements and refinements to increase aerodynamic efficiency and reduce noise.

### Project details

**Site address:** Ecotech Centre, Swaffham, Norfolk  
**Built:** 1999  
**Capacity:** 1.5MW

### Annual electricity output

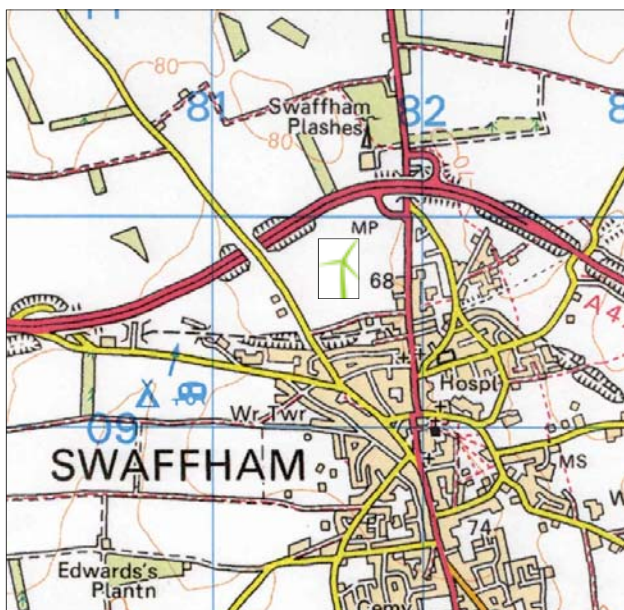
**Generation:** over 3 million units each year  
**Equivalent to:** 1,121 homes  
**Blade rotation:** 10 - 20rpm (depending on wind speed)

### Turbine dimensions

**Rotor diameter:** 66m  
**Length of blades:** 31m  
**Hub height:** 67m  
**Turbines:** 1

### Annual emissions savings

**Carbon dioxide (CO<sub>2</sub>):** 3,161 tonnes  
**Sulphur dioxide (SO<sub>2</sub>):** 37 tonnes  
**Nitrogen oxide (NO<sub>x</sub>):** 11 tonnes



## Ecotricity - power for a change

We are dedicated to improving the environment by building new clean sources of electricity to replace conventional polluting sources that are causing climate change.

As founders of the UK's green electricity market place in 1996, we have a commitment to supplying an increasing proportion of our customers' electricity from new green electricity every year through our significant wind energy building programme. By joining us you are helping to create new clean, green sources of electricity now and for the future.

And it won't cost you more than conventional electricity from conventional electricity companies. So join us and we'll power your business or home with electricity that doesn't damage the environment.

### Business Supply

To power your business with Ecotricity telephone our Sales team on 01453 756111 or email [sales@ecotricity.co.uk](mailto:sales@ecotricity.co.uk) Some of the ethical and environmental organisations already powered by Ecotricity include The Body Shop, WWF-UK and the Co-operative Bank.

### Home Supply

To register for our new Home Supply service email us at [home@ecotricity.co.uk](mailto:home@ecotricity.co.uk), fill in the online form at [www.ecotricity.co.uk](http://www.ecotricity.co.uk) or freephone **08000 326 100**. Ecotricity Home Supply offers unique and significant environmental benefits.



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Visit [www.ecotricity.co.uk](http://www.ecotricity.co.uk) to find out about our latest projects, new customers, information about generating green electricity, plus up to date environmental news.