



We must not underestimate the difference that renewable technologies can make to our environment.



## Small Wind Turbines

## Frequently Asked Questions

Education  
Universities  
Industrial & Commercial  
Sports & Leisure

### How will a wind turbine be efficient for my project?

To have an efficient small wind turbine the local optimum annual windspeed should be six metres per second or more at 10 metres above the ground. We can find out the approximate wind speed in your area from the Department for Business, Enterprise and Regulatory Reform (BERR). We can discuss with you the most suitable options for your project.

### What if our project budgets are tight?

For Public Sector Organisations, Schools and Charitable Bodies, we have direct access to funding pots. We also have a deep knowledge of the BERR Low Carbon Buildings Programme Phase 2. Assistance in funding is often available through both national and local schemes, we'll help you find suitable funding where appropriate.

### How can I find out more?

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## So how does it all work?

Small wind turbines capture the power of the wind and change it into electricity. They work by wind passing over blades, which spin a shaft, to drive a small electrical generator.

There are different types of small wind turbines.

In the consultation period, you can also choose how you distribute your energy.

On a grid system, small wind turbines generate electricity for you to use. If wind speeds are low and you need more energy, your distributor will provide an automatic top up. If your turbine is creating more power than you need, it is sent back to the grid.

You'll be able to sell excess electricity back to the grid with the use of a two-way meter.

On an off grid system when energy is needed in a remote situation and the grid is not easily accessible, you can store the energy generated from a small wind turbine in batteries or heating elements.

### Small Wind Turbines



Small wind turbines can produce renewable energy for your project and will make a visible statement to Stakeholders about your total commitment to the environment.

## In-house Capabilities

We have a dedicated in-house team who can work through the step by step process needed to complete your project on time and within budget with minimum disruption.

Our Team are trained specialists in the installation process and we work with our Clients from the concept stage of any of their projects.

## Installation Process

When the small wind turbines are installed they are mounted on a tall mast away from possible obstructions such as trees or buildings. A guyed tower could also be used, with soil anchors or rock bolts securing the tower guy cables to the ground.

Installation normally requires planning permission which is why it is essential for us to be involved from the concept stage of your project.

## What are the benefits?

- Quiet and Efficient
- Zero Carbon Emissions as it uses a completely renewable and carbon free energy source
- Reduces your impact on the environment
- Constant, reliable energy all year round
- Reduced exposure to the fluctuations of energy prices
- Access to 'Funding Pot's' so we do all of the chasing
- Full turn-key solutions, from the concept stage of your project through to completion

