

# MINI WIND-FARM

ultimate in small scale power generation

PROVEN  
PROVEN ENERGY

## The Concept

Wind Farms have been springing up across the country for a number of years now. Public opinion has varied dramatically and planning authorities have become more stringent.

The "I like them, but just not in my back-garden" philosophy regarding wind farms has become commonplace and the topic has sparked fierce public debate.

**What if** – We could have wind farms that weren't as intrusive?

**What if** – We had wind farms that were sited so that they were just as productive if not more?

**What if** – We had a wind farm that never had to be shut down in high winds?

**What if** – We had wind-farms that could pay for themselves in up to three years???

**What if** you considered a Proven mini Wind-Farm?

## The Figures

The financials can vary quite dramatically depending on quantity of turbines, site access and wind resource. However, grant assistance (anywhere from 10% up to 100%) can impact the initial capital costs substantially too.

There are several revenue streams associated with this type of application – some of which are government schemes, some are through electricity companies who are interested in your excess electricity and the other is simply what you save on electricity.



## Example Spec

10off WT15000/300 – 15kW wind turbines  
10off TM1500/15000 – 15m towers  
30off 5kW WindyBoy inverters

**Wind Resource:** 6m/s  
**Turbine Output:** 422,500kWh (pa)  
**Carbon Savings:** 181,675kg CO2

**Equipment Cost:** £348,000  
**Foundations:** £100,000  
**Mech & Elec Install:** £62,000  
**Budget Total Installed:** £510,000

**ROC Revenue:** £16,074 (pa)  
**Electricity Saving:** £33,800 (pa)\*  
**Export Revenue:** £0.025p per unit  
**Other Revenue:** LEC and Triad benefit

**Payback (No Grant):** 10-years  
**Payback (30% Grant):** 7-years



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