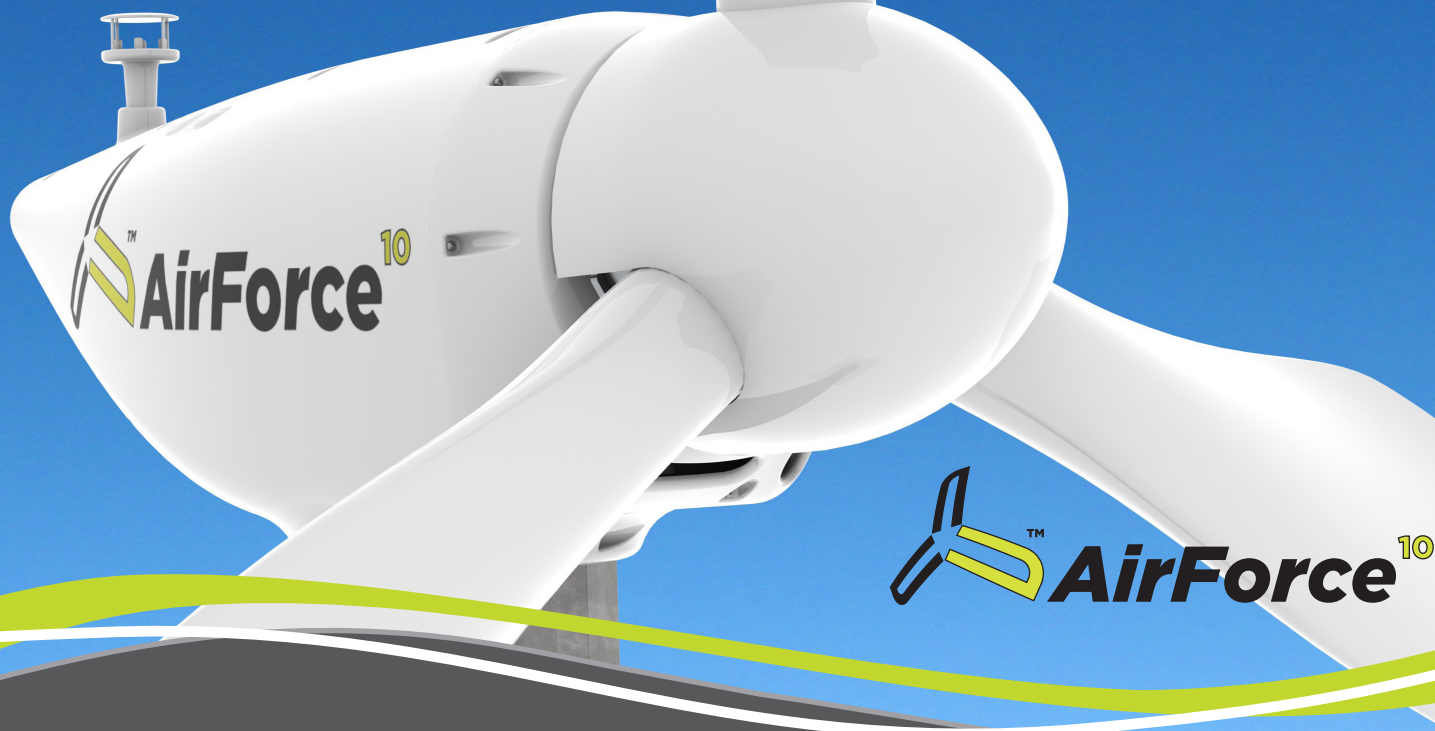


FUTUREENERGY



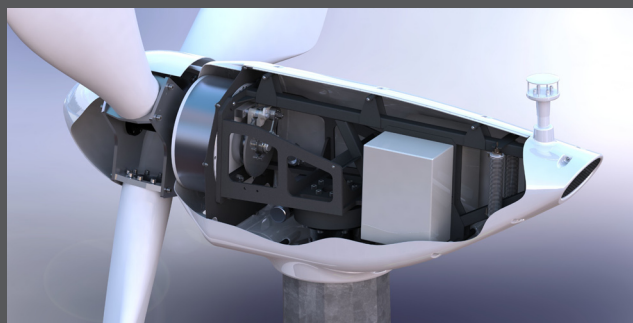
10KW UPWIND TURBINE



**The best 10 kilowatt wind turbine in its class.
Designed and manufactured by FuturEnergy in Warwickshire, UK**

MAIN FEATURES

- 32 Pole Direct Drive Permanent Magnet Generator
- Power Output :
11.5 Kw at a windspeed of 10 m/s
13.3 Kw at a windspeed of 12 m/s
- 8 Metre Rotor
- Active Driven Yaw (Vertical Rotation)
- On-board ultrasonic wind direction and speed sensor with no moving parts.
- On-board UPS ensures full control facility in the event of Grid Failure. (Up to one week)
- All metal parts are specially treated to prevent long-life weather corrosion



CONTROL & RUNAWAY PREVENTION

Electronic Braking with On-board Dumploads.

Mechanical Fail-Safe disk-braking which will stop the turbine for maintenance.

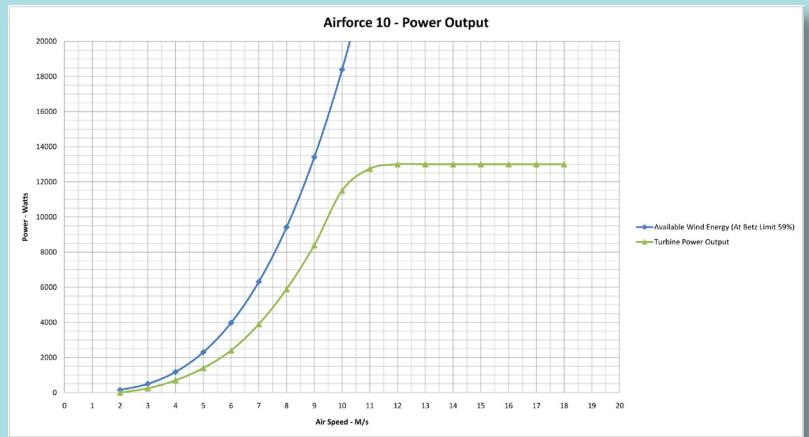
Vibration, heat and over-voltage sensors with auto shutdown.

Extreme wind shutdown positions the turbine at 90 degrees to the prevailing wind and will remain there at controlled variable headings until the wind drops below the danger threshold.

Fully-featured electronic control system, developed entirely in-house and unique to FuturEnergy, which is housed in the Nacelle and remains live if all cables from the turbine are damaged or even severed.

Samples wind direction and speed every second to calculate optimum turbine heading....plus :

- Constant self diagnostics of Control Circuitry
- SD Card Data Logger for detailed analysis of power output over time with totals
- RS 232 Output for Computer Monitoring



TOWER

Tubular Steel Tapered Tower. 12 meters, faceted and hot-dip galvanised. High tensile foundation cage supplied.

POWER PREDICTOR 2.0

Ever wondered . . .

- How much green energy YOU could generate at your home or business?
- How much money YOU could save off your energy bills?
- How much this would reduce YOUR CO2 emissions?

The Power Predictor answers these questions simply, quickly and easily:

- assesses the suitability of your site for renewable energy, specifically solar and wind.
- allows you to cheaply and easily collect real life solar and wind data from your site.
- produces customised power reports for your site including carbon savings and annual energy generation estimates.
- tells you how much money you could save by installing the major wind turbines or solar panels on the market before you buy, avoiding expensive mistakes.



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