



Sustainable Energy Systems

Wind Assessment Station



The capital outlay required to install a wind turbine of any size is significant whether it be grant assisted or not. With this in mind Sustainable Energy Systems Ltd provides an economical service enabling the characteristics of wind to be assessed.

The basic station package works by reading the wind speed direction, Time / Date and ambient temperature. This information is then logged for reference and analysis.

With the information obtained it is possible to determine the actual power output achievable over the measured period and therefore the return on your investment.

Additional parameters may also be recorded to provide more detailed and indeed full environmental potential assessments. Additional parameters include: Humidity Dew point even light levels (to determine solar panel potential). The logger may also be used to

monitor output from installed devices to monitor performance of existing systems.

Basic Package		Full Environmental Potential - Audit	
Assessment Period: <i>Pre-determined with client</i>			
Assessment Parameters	Wind speed Wind Gust Max Wind direction Ambient Temperatures Time / Date All parameters sampled at maximum rate and averaged /recorded every 2 minutes.	Assessment Parameters	Wind speed Ave Wind Gust Max Wind direction Ambient Temperatures Time / Date Relative Humidity / Air Density Solar Radiation

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