

FORGEN 500 NT High Performance Micro Wind Turbines



Benefits

- Works in conjunction with solar panels
- Robust Vertical Axis machines
- Can be used in extreme environments
- Cannot overspeed
- Intrinsically safe

Forgen Renewables work with Nexus Alpha Low Power Solutions on bus shelter signs power management.

The first CHRONOS bus signs from Nexus Alpha Low Power Solutions have now been deployed in the UK.

Nexus Alpha Lower Power Systems has been developing CHRONOS for several years. It operates on solar energy, with the option of including a wind turbine (as in the installation shown below).

This version has been designed specifically for use at bus stops.

CHRONOS saves energy, saves carbon emissions and therefore saves money as it requires no mains power. And as it includes GPRS connectivity it is far less costly to install than traditional signs as no local fixed line services are needed at all (neither power, nor communications). But CHRONOS is not compromised: it is sophisticated, can handle a wide range of information and is DDA compliant.

Solar and wind power is seen as a benefit and not as a compromise. This is true on many different levels.

NALPS preferred wind generator type being the vertical axis units provided by Forgen Renewables and as illustrated as these are intrinsically more robust they are harder to damage and cannot over-speed (they are used by the British Antarctic Survey so come with a good pedigree).

Vertical-axis wind turbines are more robust than the alternative "windmill" style and are harder to damage. They are also immune to overspeeding which means they do not need to be locked down in high winds.

Wind Turbine Specification

The small Forgen 500NT was used by Nexus Alpha Low Power Solutions to provide additional renewable power capacity to a 50w solar panel. The specification required a high performance, low noise, intrinsically safe and no overspeed in extremely high wind conditions.

Forgen Renewables offers a range of small scale micro wind turbines specifically developed for remote applications and where there is a desire and a need to reduce grid connection costs.

For more information call **01275 795852** or visit www.forgenrenewables.com

Forgen Renewables Ltd. Enterprise Development Centre, Clevedon Hall Estate, Victoria Road, Clevedon, BS21 7RQ