



EC Declaration of Conformity

The Manufacturer of the Products covered by this Declaration is:-

**Proven Energy Ltd, Wardhead Park, Stewarton, East Ayrshire, KA3 5LH.
Scotland. UK**

The Directives covered by this Declaration

2004/108/EC Electromagnetic Compatibility directive, as amended
2006/95/EEC Low Voltage Equipment directive.

The Products Covered by this Declaration

WT2500, WT6000 and WT15000 grid connected wind turbine systems

The Basis on which Conformity is being Declared

The manufacturer hereby declares under his sole responsibility that the products identified above comply with the protection requirements of the EMC directive and with the principal elements of the safety objectives of the Low Voltage Equipment directive, and that the following standards have been applied:

EMC Testing:

Emissions testing to BS EN 61000-6-4: 2001

EN 55011:2007 Class A, Conducted Emissions, 0.15MHz to 30MHz, on one 3 phase a.c. mains power port.

EN 55011:2007 Class A, Radiated Emissions, 30MHz to 1GHz, on the mast and radiated emissions on the rectifier/control system enclosure.

Immunity testing to BS EN 61000-6-2:2005

EN 61000-4-2:1995 Electrostatic discharge immunity test₁:

Severity level $\pm 8\text{kV}$ air discharge and $\pm 4\text{kV}$ contact discharge.

EN 61000-4-4:204 Electrical fast transient/burst immunity test₁, for 1 minute each polarity, on the following:

rectifier a.c. input port, severity level $\pm 2.0\text{kV}$ on each line to ground.

rectifier d.c. output port, severity level $\pm 2.0\text{kV}$ with capacitive clamp.

Functional earth ports, severity level $\pm 0.5\text{kV}$

EN 61000-4-5:1995 Surge immunity test₁ on the following:

rectifier a.c. input port, severity levels; $\pm 2\text{kV}$ line-to-earth.

EN 61000-4-6:2007 Immunity to conducted disturbances, induced by radio-frequency fields, 150kHz to 80MHz at a CW level of 10V with 1kHz, 80% a.m. on the following:

d.c. output port.

a.c. input ports.

Low Voltage Directive:

EN 60950-1: 2006

EN 50178: 1997

The technical documentation required to demonstrate that the products meet the requirements of the Low Voltage Equipment directive has been compiled and is available for inspection by the relevant enforcement authorities.

The CE mark was first applied in 08.

Signed: Jonathan Nowill

Authority: Engineering Director

Date: 4th July 2008

