

Site 29 – Thatcham



There are eight wind turbines installed here at the Thatcham Motor Insurance Research Centre. The turbines are mounted on free standing poles 15 meters above ground level. For the purpose of the Warwick Wind trials we are monitoring one of the eight turbines.

This building is an industrial warehouse near Newbury. Each turbine has its own inverter which is located inside the warehouse.

NOABL wind speed estimate	4.5ms ⁻¹ at 10m
Planning permission	April 2007
Turbine installation	July 2007
Full data available from	15 th April 2008
Mounting type	Free Standing Pole
Turbine	Zephyr Air Dolphin
Inverter	Windy Boy LG 1100
Anemometer	Schiltknecht Meteo, Type: f.555.1.18
Data logger	Novus LogBox DA
Watt meter	Iskraemeco ME162

Warwick Wind Trials

Time Interval	Measured Average Wind Speed (ms⁻¹)	Total Energy Exported (kWh)	Average Energy Exported per Day (Wh)
15 th April to 16 th October 2008	2.02	14.20	120
April 2008	2.30	n/a	n/a
May 2008	1.49	n/a	n/a
June 2008	n/a	n/a	n/a
July 2008	1.82	1.17	82
August 2008	2.35	5.05	163
September 2008	1.83	4.01	134

Only wind speed data is available from 15th April to 12th May 2008. After this no data was collected until 17th July 2008, from this date both energy and wind speed data is available.