

## Site 25 – Delta Court



Delta Court is a four story block of flats in Nottingham. The turbine is mounted on a hilti mounting system installed by Sasie, renewable technology installers.

Delta Court is located on top of a hill, close to the centre of Nottingham.

The turbine has been mounted three meters above the roof line to get as smooth as possible air flow.

<b>NOABL wind speed estimate</b>	4.8ms <sup>-1</sup> at 10m
<b>Planning permission</b>	
<b>Turbine installation</b>	22 <sup>nd</sup> April 2008
<b>Full data available from</b>	20 <sup>th</sup> February 2008 for wind speed data and 22 <sup>nd</sup> April 2008 for energy data
<b>Mounting type</b>	Gable End, Hilti Mounts
<b>Turbine</b>	StealthGen D400
<b>Inverter</b>	Soladin 600
<b>Anemometer</b>	Schiltknecht Meteo, Type: f.555.1.18
<b>Data logger</b>	Novus LogBox DA
<b>Watt meter</b>	Iskraemeco ME162

## Warwick Wind Trials

<b>Time Interval</b>	<b>Measured Average Wind Speed (ms<sup>-1</sup>)</b>	<b>Total Energy Exported (kWh)</b>	<b>Average Energy Exported per Day (Wh)</b>
22 <sup>nd</sup> April to 27 <sup>th</sup> October 2008	2.30	19.44	124
March 2008	3.85	0	0
April 2008	2.49	0.53	66
May 2008	2.46	6.33	204
June 2008	2.34	3.85	129
July 2008	2.58	4.97	160
August 2008	2.31	2.62	84
September 2008	1.80	1.14	44

Energy data has been collected since 22<sup>nd</sup> April 2008 when the turbine was commissioned. Wind speed data collection started before this on the 20<sup>th</sup> February. Average energy exported per day has been calculated for the days since turbine commissioning.