


KT32 Mistletoe Cottage solar PV & wind turbine	Installation details
	<p>Owner: <b>Peter Leutner</b>            Site address: <b>Mistletoe Cottage            Maxted Street            Stelling Minnis            Canterbury            Kent            CT4 6DH</b></p> <p>Grid reference: <b>TR126447</b>            Local authority: <b>Kent CC / Shepway DC</b>            Renewable energy category: <b>Solar PV + Onshore wind</b>            Status: <b>Operational</b>            Date: <b>February 2002</b></p>
Technical information	Socio-economic & environmental data
<p>Technology type: <b>24 110W solar panels &amp; 6kW wind turbine</b>            Manufacturer / Installer: <b>Siemens / Proven + Proven / Proven</b>            Energy input: <b>-</b>            Consumption rate: <b>- tonnes/year</b>            Installed capacity: <b>Electric: 2.6 + 6.0 kWe            Heat: -</b>            Annual energy output: <b>Electric: 3.9MWh/year            Heat: -</b>            Supplying energy to: <b>Electric: 1/3 to electricity grid, 2/3 domestic use            Heat: -</b></p>	<p>Main driver: <b>Security of supply in a rural area &amp; desire to produce clean energy</b>            Social benefits: <b>Educational - local school visits</b>            Jobs created/sustained <b>Directly: -            Indirectly: -</b>            New business startups: <b>-</b>            Financial benefits: <b>£486/year</b>            Capital cost (inc grant funding + body) <b>£27,000 (£7,000 EST)</b>            Likely fossil fuel alternative: <b>Electricity from the grid</b>            Greenhouse gas emissions displaced: <b>1.6 tonnes CO<sub>2</sub>/year</b>            Equivalent no. of homes supplied <b>Electricity: 0.8            Heat: -</b></p>