


SU38 Earthship wind, solar PV, biomass & solar thermal	Installation details
 <p style="text-align: center;">Earthship Brighton</p>	<p>Owner: Low Carbon Network Site address: Stanmer Park Nurseries Stanmer Park Brighton East Sussex BN1 9PZ</p> <p>Grid reference: TQ336096 Local authority: Brighton & Hove City Council Renewable energy category: Onshore wind + Solar PV + Biomass + Other thermal</p> <p>Status: Operational Date: 2005</p>
Technical information	Socio-economic & environmental data
<p>Technology type: Micro wind generator + photovoltaic panels + biomass stove + solar water heating system</p> <p>Manufacturer / Installer: SW Windpower + Unisolar + Extraflame + Filsol / Southern Solar www.southernsolar.co.uk</p> <p>Energy input: Biomass: wood pellets</p> <p>Consumption rate:</p> <p>Installed capacity: Electric: 0.9 + 1.1 kWe Heat: 15 + 3.2 kWth</p> <p>Annual energy output: Electric: 1.3 + 0.6 MWh/year Heat: 39 + 2.5 MWh/year</p> <p>Supplying energy to: Electric: Earthship centre (via battery) Heat: Space & water heating for Earthship centre</p>	<p>Main driver: Environmental objectives</p> <p>Social benefits: National pilot project, sustainability education for community centre users</p> <p>Jobs created/sustained: - New business startups: -</p> <p>Financial benefits: £ /year</p> <p>Capital cost (any grant funding and body): £33,000 (£9,822 Clear Skies)</p> <p>Likely fossil fuel alternative: Electricity from grid (via battery) + heating oil</p> <p>Greenhouse gas emissions displaced: 0.5 + 0.3 + 13 + 0.8 tonnes CO₂/year</p> <p>Equivalent no. of homes supplied: Electric: 0.3 + 0.1 Heat: 2.1 + 0.1</p>