


<p>SU38 Earthship Brighton biomass, wind, solar PV & thermal</p>  <p style="text-align: center;">Earthship Brighton</p>	<p>Installation details</p> <p>Owner: Low Carbon Network Site address: Stanmer Park Nurseries Stanmer Park Brighton East Sussex BN1 9PZ Grid reference: TQ336096 Local Authority: Brighton & Hove City Council Renewable energy category: Onshore wind + Solar PV + Biomass + Other thermal Status: Operational Operational since: 2005</p>
<p>Technical information</p> <p>Technology type: Micro wind generator + photovoltaic panels + wood pellet stove + solar water heating system</p> <p>Manufacturer / Installer: SW Windpower + Unisolar + Extraflame + Filsol / Southern Solar</p> <p>Fuel or feedstock: -</p> <p>Consumption rate: -</p> <p>Installed capacity: Electric: 0.9 + 1.1 kW Thermal: 15 + 3.2 kW</p> <p>Annual energy output: Electric: 2.8 MWh/year Thermal: 41.5 MWh/year</p> <p>Supplying energy to: Electric: Earthship centre (via battery) Thermal: Space & water heating for Earthship centre</p>	<p>Socio-economic & environmental data</p> <p>Main driver: Environmental objectives</p> <p>Social benefits: National pilot project, sustainability education for community centre users</p> <p>Jobs created/sustained: -</p> <p>New business startups: -</p> <p>Financial benefits: £</p> <p>Capital cost (any grant funding and body): £33,000 (grant: Clear Skies £9,822)</p> <p>Likely fossil fuel alternative: Electricity from grid (via battery) + Heating oil</p> <p>Greenhouse gas emissions displaced: 15 tonnes CO₂/year</p> <p>Equivalent no. of homes supplied: Electric: 0.6 Thermal: 2</p>