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| <p>KT64 Pines Calyx micro-wind, PV, biomass, solar thermal</p>  <p>The Pines Calyx building in St Margaret's Bay, Kent</p> | <p>Installation details</p> <p>Owner: St Margaret's Bay Trust Site address: Beach Road St. Margaret's Bay Nr. Dover Kent CT15 6DZ Grid reference: TR367442 Local Authority: Kent CC/ Dover DC Renewable energy category: Onshore wind + Solar PV + Biomass + Other thermal Status: Priority prospect Operational since: July + ? + ? + May 2007</p> |
| <p>Technical information</p> <p>Technology type: Micro wind turbine + photovoltaics + biomass boiler + solar water heating Manufacturer / Installer: Fuel or feedstock: Wood pellets/chips from onsite or local woods managed by Trust Consumption rate: tonnes/year Installed capacity: Electric: 0.7 + 2.5 kW_e Thermal: 30 + 2 kW_{th} Annual energy output: Electric: 2 + 0.6 MWh/year Thermal: 30 + 2.6 MWh/year Supplying energy to: Electric: Onsite & local grid Thermal: Space and water heating for office, cottages, new building</p> | <p>Socio-economic & environmental data</p> <p>Main drivers: Local sustainable development incentive Social benefits: Pilot to re-invigorate local wood economy and future coppicing Jobs created/sustained: Directly: - Indirectly: - New business startups: - Financial benefits: £900/year Capital cost (inc grant funding + body): £ Likely fossil fuel alternative: Electricity from grid, natural gas Greenhouse gas emissions displaced: 8.9 tonnes CO₂/year Equivalent no. of homes supplied: Electricity: 0.5 Thermal: 1.6</p> |