



The Old Mortuary



Caradon District Council has recently installed an EarthEnergy system in one of its office buildings, and the technology is currently being investigated for other Caradon sites.

The ground loop array consists of two 60 metre boreholes, which have been drilled outside the offices. Each borehole is fitted with a u-tube of high density, polyethylene pipe, which has been grouted in place within the boreholes. The boreholes are connected to a 6 kW Viessmann closed loop ground source heat pump. A wet radiator system has been installed to provide the heating, designed to operate at the temperature produced by the heat pump, typically 45°C - 50°C.

Caradon District Council has a long track record of implementing energy saving measures at its offices, the council also subscribes to green electricity, which is generated from sustainable sources, thus this building will achieve no overall CO₂ emissions.

Ground Loop	<i>2 x 60 metre boreholes</i>
Heat Pump	<i>6 kilowatt Viessmann Vitocal 300</i>
Distribution System	<i>Radiators</i>
Client	<i>Caradon District Council</i>
Mechanical & Electrical	<i>BFEC</i>
Commissioned	<i>January 2003</i>