

# EARTHENERGY™



## Moss Side Industrial Estate



A borehole based closed loop ground coupled system, has been installed to meet the total heating and cooling requirements of this new low energy building.

Developed by Caradon Council, the building is designed for start-up companies and is subdivided into a number of self contained units providing both office space and self contained workshops.

Heating and cooling is provided in the workshops by ClimateMaster reverse cycle, water to air, console units. These are coupled directly to the ground loop array. The offices are serviced by a Climatemaster water to air heat pump connected to a ducted air system.

The ground loop array comprises 4 boreholes, located around the behind the building in a landscaped garden area. Each borehole is fitted with a u-tube of high density, polyethylene pipe, grouted in place.

<b>Ground Loop</b>	<b><i>4 x 75 metre boreholes</i></b>
<b>Heat Pump</b>	<b><i>6 x 3.5 kilowatt ClimateMaster</i></b>
<b>Distribution System</b>	<b><i>Ducted Air System</i></b>
<b>Client</b>	<b><i>Caradon Council</i></b>
<b>Mechanical &amp; Electrical</b>	
<b>Commissioned</b>	<b><i>November 2003</i></b>