

# EARTHENERGY™



## Distribution Centre for IKEA



IKEA is the largest ground source heating project of its kind in the UK.

GeoScience have provided 250 kW of heating and cooling by extracting heat from over 8 kilometres of underground pipework installed in 45 vertical boreholes drilled to 70 metres each.

Unlike traditional heating and cooling systems used in commercial buildings, the EarthEnergy system used for IKEA will have low CO<sub>2</sub> emissions. There are no flues and no cooling towers.

The heart of the system is all buried underneath the car park where it will go on working quietly and efficiently without the need for any maintenance for years to come.

<b>Ground Loop</b>	<b><i>45 x 70 metre boreholes</i></b>
<b>Heat Pump</b>	<b><i>250 kilowatt ETT</i></b>
<b>Distribution System</b>	
<b>Client</b>	<b><i>IKEA</i></b>
<b>Mechanical &amp; Electrical</b>	<b><i>JacksonEve</i></b>
<b>Commissioned</b>	<b><i>January 2003</i></b>