

Project Voltaic, Dagenham

This new distribution centre built by UK GSE for Gazeley in the heart of Dagenham on a brownfield site has over 21,000m² of floor area

Well known for their commitment to implementing renewable energy technologies in their buildings, Gazeley's specified a combination of solar PV and ground source heating and cooling systems for the building.

EarthEnergy Limited designed and installed a ground source system, capable of delivering the entire simultaneous heating and cooling loads for the offices.

Utilising two Cofsi water to water heat pumps, we are able to deliver 72kW of heat and 85Kw of cooling at any given time throughout the year. This reduces the CO₂ footprint of the building by up to 60% when compared to traditional fossil fuel heating and cooling.

Ground loop Type	Boreholes
Heat Pump	2 x 80 kilowatt Cosfi
Client	UK GSE Ltd
Commissioned	December 2005

