

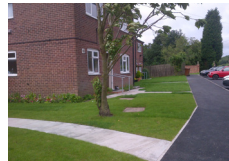
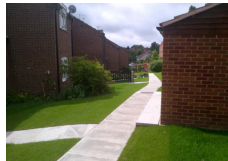
South Derbyshire Council

Brooke Street, South Derbyshire, UK



Key Facts

- Closed vertical loop
- 28 holes to 100m
- Run cost savings of 52% have been achieved
- Dimplex Heat Pumps
- Completed 2012



Off gas grid fitted with aging direct electric storage radiators, the three blocks of flats with six dwellings per block presented some challenges for South Derbyshire District Council before they chose to partner with GI Energy to improve their energy performance and run costs.

The brief was to install a district heating system, with each flat drawing heat as required for heat and domestic hot water. Super high efficiency pipework from EcoFlex was used to minimise heat losses between the plant rooms and the homes. As part of the installation, a low temperature radiator system was installed with each dwelling being self-contained to prevent failure of district system if an internal flat failure happened.

Key to the project was the inclusion of remote monitoring which enabled SDDC to be informed of energy usage by flat to actively lower energy costs and to allow billing.

providing sustainable energy

www.gienergy.net