

Hod View, Stourpaine

This block of flats in Stourpaine, Dorset, has had the nine flats converted from using a fossil fuel based heating system, to a ground source heating system. Being built in the 1980's, this block of flats required improvements in the insulation for the project to have economic viability. The boreholes drilled for each flat have been drilled around the block of flats with the pipes run underground to the heat pumps within the property, with no permanent scarring of the landscape.

The floor areas of the flats all range between 70 and 95m² creating a 5kW heat load All of the flats within the building have a water-to-water, closed circuit Calorex heat pump. This will provide the for the peak heating load for the flat using radiators modified for the use of a ground source system.

By using this technology, connected to the national electricity grid the system will reduce CO₂ emissions by 40 – 60% compared to using traditional fossil fuel systems.

Ground loop Type	9 x 75m Boreholes
Heat Pump	9 x 5 kilowatt Calorex DT5000
Client	Signpost Housing Association
Commissioned	December 2005

