

Case Study

Timber Framed Barn Conversion, Sittingbourne

The facts:

Property Type:
Barn Conversion

Property size:
160 m²

Product supplied:
8kW Kensa Compact Heat Pump with single compressor

Application:
100% space heating within the property, complementing under-floor heating.

Installation:
Underground pipes laid in 2 x 40m trenches in horizontal 'Slinky' coils, under neighbouring field.

Cost Savings:
Significant savings when compared to proposed oil

Fuel Displaced:
Oil

CO₂ Reduction :
46% saving over oil (based on data from the DTI and BRE)



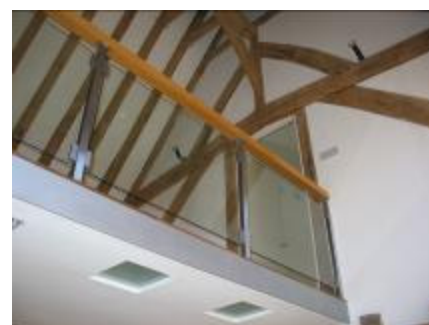
'Timber framed eco-house heated using renewable energy'

Two 40m long horizontal "slinky" loops were placed in the neighbouring field and absorbs renewable energy from the ground to heat this imaginative barn conversion.

The heating distribution system into the building is via a "wet" underfloor heating system designed for a heat pump system.

The heat pump was positioned in a purpose built 'lean to' next to the main building to reduce any possible noise issues.

Running costs are lower than conventional heating systems and annual servicing (and the associated costs with this) are no longer required.



£Grants

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All work was completed by the clients' own plumber and builder.

