

Case Study

Barn Conversion, Salisbury

The facts:

Property Type:
Barn Conversion

Property Size:
Approx. 550 m²

Product Supplied:
Kensa Compact Heat Pump 28kW with twin compressors and six 50m slinkies.

Application:
Space heating for the whole building complementing Underfloor heating

Installation:
Six 50m slinkies, closed loop ground arrays installed

Cost Savings:
Lower running cost than oil, due to operation using off-peak tariffs, no servicing costs and a longer product life.

Fuel Displaced:
Oil

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

Heat pump helps win Civic Award.

Six horizontal “slinky” loops installed in a neighbouring field absorb renewable energy from the ground to heat this imaginative barn conversion, located in the grounds of a small manor house.

The Geothermal heating system helped clinch a Civic Award for the building - against the other finalist Salisbury Cathedral!

Heat emission into the building is via underfloor which perfectly complements the extensive use of natural slate flooring within the building.



Running costs are lower than conventional heating systems. No annual servicing is required leading to further running cost savings and the product has a design life of approximately 25 years reducing replacement costs.

Underground manifold connections

£Grants

for details contact:

Kensa Engineering Ltd
Mount Wellington
Chacewater, Truro
Cornwall, TR4 8RJ.
Sales: 01392 826021/22
Fax: 01872 862440

info@kensaengineering.com
www.kensaengineering.com

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All work was completed by the clients' own Building Contractor with technical help provided as required by Kensa.

