

Case Study

Cottage Renovation, 6kW, Oxford

The facts:

Property Type:
Renovation

Property size:
159 m²

Product supplied:
6kW Kensa Compact
Heat Pump Open-Loop
system

Application:
100% space heating
within the property

Installation:
Open Loop pipes
circulating water from
the Thames as heat
source

Cost Savings:
Significant savings when
compared with oil.

Fuel Displaced:
Oil

CO₂ Reduction :
57% saving over oil
(based on data from
DBERR)



Thames-side cottage cleverly captures heat from the river

This clever and sensitive renovation of an old Thames-side cottage was designed by forward-thinking architect, David Hammond and used as his family home.

It is heated by a 6 kW Compact heat pump open loop system that uses the River Thames as its heat source.

Kensa's specialist heat exchanger technology was used so that almost no water filtration is required. The heat exchangers, designed for seawater, absorb heat from the River Thames with ease.



Kensa's Compact heat pump is connected to a Chelmer Thermal Store, a combined buffer and DHW tank, which beautifully compliments the underfloor heating system and solar panels for maximum energy efficiency.

The picture shows the point at which water is extracted from the Thames.

£Grants
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Mr Hammonds' special water-source heating application has featured in London press and received ITV coverage. He has also welcomed clients back to his home to demonstrate the success of his heating system.

