

Case Study

The facts:

Property Type:
New Build

Property size:
Approx. 75 — 500 m²

Product supplied:
4—24kW Kensa Compact Heat Pump

Application:
100% space heating within each of the 19 units, complementing underfloor heating.

Installation:
Over 40 x 70m vertical ground arrays, with a layout designed to maximise thermal conductivity.

Cost Savings:
Significant savings when compared with oil fired heating.

Fuel Displaced:
Oil

CO₂ Reduction :
57% saving over oil (based on data from the DTI and BRE)

Tolvaddon Energy Park, Cornwall - Efficient heating for all 19 units



Environmentally advanced business park

Tolvaddon Energy Park is the most environmentally advanced business park in Cornwall. Development was funded through a £4 million investment from the South West Regional Development agency and the Objective One European Funding Programme.

The project is a flagship commercial development heralding the very best environment friendly and sustainable construction techniques for modern buildings.

Each of the 19 individual units, ranging from 750sq ft to 5,000sq ft, have been specifically designed to minimise energy use and deliver high quality working environments for tenants and their staff.

Kensa, supplied the complete Geothermal heating system through individual heat pumps, ranging from 4kW to 24kW for each of the 19 units.

The Kensa range being chosen specifically for its energy efficiency, ease of installation and the only range in Europe which could effectively meet the needs of each unit within the whole business park.

The Compact heat pumps are connected to over forty, 70m vertical ground arrays installed by Carnon Contracting.



£Grants

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Carnon Contracting Ltd
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South West Regional
Development Agency

