

Domestic Heating

Case Study

200 year old cottage
September 2008

Making a
World of
Difference



RENEWABLE SOLUTION PROVIDED
Ecodan saves family £500 a year compared to old oil system.

Wiltshire village too remote for gas

Charles and Claire Fox live in a beautiful 200 year old cottage in the small village of Funton in Wiltshire. Whilst idyllic, the remote location of Funton means there is no mainline gas supply, so villagers need to look to other fuels to heat their homes.

When the ageing oil-fired heating system needed replacing in their 4 bed detached cottage, the couple wanted a system that was more economic to run than their oil system. As an environmentally aware family who recycle wherever possible and insulate their home to preserve energy, they were keen to find a heating system that was more efficient with less impact on the environment.



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Installation Summary

200 year old 4 bed detached cottage

Off-gas area

Total living space approx. 170m²

Originally heated by an oil-fired system

Replaced with 8.5kW Ecodan heat pump system and larger radiators

Installation took 2 days

Unable to use gas, they considered 'greener' alternatives to oil, such as wood, solar power and biomass, but all of these seemed to prove either insufficient for their needs or too involved to install, run and maintain.

Installing an advanced Ecodan air source heat pump, that uses free energy from the outside air to provide central heating and hot water, proved the ideal solution to meet their needs.

Replacing their old oil-fired heating system, which had become increasingly inefficient over the 15 years they'd had it, they found Ecodan to be much more efficient* and effective to run. Able to get rid of all the old water tanks and pipes in the loft freed up a lot of space and having installed larger, more efficient radiators throughout, their home is now warm enough without the need to boost the heating with log fires, as they previously would have done.

Unlike other residents in the village, the Fox family no longer have to rely on increasingly expensive oil to heat their home and by converting to Ecodan, from their initial heating bill; they estimate an annual saving of £500.

Ecodan solved this family's heating needs whilst halving their CO₂ emissions and fuel bills.

In addition, with Ecodan they enjoy a more even temperature throughout the house. The new system also provides them with copious amounts of hot water - more than enough for even their two teenagers who live in the shower!

** For every 1kW of electricity fed into the outdoor unit of an Ecodan heating system you could get at least 3kW of heating energy. The overall system efficiency and energy savings will depend on how it compares to the heating system it replaced, satisfactory system design and installation, the operational settings and how the heating system is used.*



Changes for the Better

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Certificate Number: MCS HP0002
Product Reference: PLHZ-W30V1A-(BS)
PLHZ-W30V1A2-(BS), PLHZ-HW140V1A2/1A2-(BS)



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