

## Case Study

### 4 Bed Refurbishment

# Wiltshire village too remote for gas



## Setting the scene

**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.

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.



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### 4 Bed Refurbishment

**Installing an advanced Ecodan 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.

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!



**Ecodan solved this family's heating needs whilst halving their CO<sub>2</sub> emissions and fuel bills**

### Installation summary

- 200 year old 4 bed detached cottage
- Total living space approx. 170m<sup>2</sup>
- Originally heated by an oil-fired system
- Replaced with 8.5kW Ecodan heat pump system and larger radiators
- Installation took 2 days

### How it works

**Ecodan** is an air source heat pump and the technology inside it is very similar to that of a domestic fridge - transferring heat from one place to another - the back of your fridge is warm because it is removing heat from inside the fridge out into the room.

In the case of the Ecodan air source heat pump, it removes warmth from the air outside and transfers it inside the home to heat radiators and provide hot water.

**The multi-award winning Ecodan** - is brought to you by Mitsubishi Electric, one of the world's leading experts in creating comfortable living environments. **For more information visit [www.mitsubishielectric.co.uk/heating](http://www.mitsubishielectric.co.uk/heating)**

