

# Domestic Heating

## Case Study

New Build, 8 three and four Bed Houses, Wiltshire

Making a World of Difference



**RENEWABLE SOLUTION PROVIDED**  
Ecodan helps achieve the Code Level 3 needed to build 8 executive homes.

# Renewable energy needed to achieve Code Level 3

Launched in 2006, the Code for Sustainable Homes is the Government's target for energy efficiency in newly-built properties and any new home developer must have a mandatory rating against the code.

Developers Ankers and Rawlings, needed to use a renewable energy source to provide central heating and hot water for the executive development of eight, 3 and 4 bedroom new homes that they were building in Shrewton, Wiltshire.



Air Conditioning | Commercial Heating  
Domestic Heating | Photovoltaics



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### Installation Summary

8 new executive three and four bed homes

Average living space per home approx. 90m<sup>2</sup>

Required use of Renewable Energy

Needing to be 25% better than Building Regulations

Installed 8.5kW Ecodan heat pump system

Installation took 2 days

Annual running cost of £343

The Code means there is increasing pressure on developers to use renewable energy sources to provide central heating and hot water, and responsible developers like Ankers & Rawlings are looking for ways to reduce the carbon footprint of new homes, while ensuring that any new system is easy to install and maintain.

The remarkable Ecodan system has been installed in the new homes developed by Ankers and Rawlings, to meet the demand for space heating and hot water.

**Using renewable energy, Ecodan presents a sustainable alternative to even the latest modern gas boilers, in terms of performance, running costs and emissions, helping developers to easily achieve Code Level 3 whilst delivering reliable warmth for the homeowners.**

Unlike other sustainable heating systems, Ecodan is very similar to the more traditional gas boiler, meaning that, other than enjoying greater efficiency\*, the homeowner notices very little difference. Each of the homes has a single unit fitted to an outside wall and each home features effective under-floor heating. Any qualified plumber who has attended the Ecodan training course can easily install the system that features a standard in/out water flow and return and a single-phase electric connection - making it a must for the future!

**Ankers and Rawlings easily achieve the Code Level 3 needed to build 8 executive homes.**

*\* 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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