



## Ecodan meets both budget and timeframe targets

Building a new house in an off-gas area in rural Wiltshire gave owner Andrew Fish the opportunity to look for the most sustainable form of heating for his new home.

But a strict budget meant that Mr Fish needed assurance on both timescales and costs

**The choice of Ecodan offers the owner a comfortable, sustainable heating system at low running costs for both now and the future.**



Air Conditioning | Heating  
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**ecodan**<sup>®</sup>  
Renewable Heating Technology

# Heating

## Case Study

### The Hyde, Purton, Wiltshire

Making a  
World of  
Difference



ABOVE: The home has underfloor heating throughout the ground floor and radiators in all first floor rooms.

BELOW: The UFH manifold.



Andrew Fish called in Tetbury-based, JMR Services which specialises in all aspects of plumbing, heating and renewable energies, offering its services throughout Wiltshire, Gloucestershire, Oxfordshire and North Somerset.

The original brief at the design stage was to include a heating system that minimised the material impact on the property as much as possible.

“As this was a complete new build, Mr Fish could have gone for almost any form of heating, but was eager to look at a sustainable solution to provide a whole house heating system,” explained Jason Rogan, Director of JMR Services who installed the heating.

**“We advised our client to go with an Ecodan system because of its efficient running costs, ease of installation and user-friendly controls.”**

Both oil and LPG (Liquid Petroleum Gas) heating options were considered but discounted because, even at today's prices, the overall running costs would have been significantly higher than an air source heat pump.

Natural gas was also looked at but installation costs to join the network were simply too high and running costs were also slightly more expensive than an Ecodan.



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Product Reference: PUHZ-W50VHA-BSL,  
PUHZ-W50VHA2-BSL, PUHZ-HW140VHA2Y1HA2-BSL,  
PUHZ-SW140VHA, PUHZ-SW13VHA, PUHZ-SW120VHA,  
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ABOVE: The installation had to take place around the rest of the building process.

BELOW: The cylinder and underfloor heating manifold were installed as internal walls were being completed.



In addition to low running costs, Andrew Fish was looking for a renewable heating system that was simple to operate, offered full functionality and flexibility of control and lessened the environmental footprint of the property.

He also needed a system that had the flexibility to cope with the on-going build process and an installer that was able to work around the other building professionals on site and meet the strict timescales involved.

“I couldn't really ask any more of the installation or from the person who installed it,” explained homeowner, Andrew Fish.

**“Jason is still monitoring progress and is in touch ensuring the system is running as best it can.”**

JMR Services initially conducted extensive calculations on the property and its energy requirements and recommended a 14kW Ecodan heat pump linked to a Giacomini underfloor heating system and a Kingspan 300 litre Aerocyl cylinder.

The calculations predicted a total need for 21,457kWh of heating with the hot water requirements consuming around 22%.



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# Heating



**ABOVE:** The 14kW Ecodan unit is installed behind the garage to offer easy access. The unit only requires a simple annual maintenance check.

## Ecodan air source heat pump system

A 14kW Ecodan air source heat pump works with a Mitsubishi Electric 300ltr indirect Cylinder and Giacomini underfloor heating.

The system provides reliable heating down to -15°C so will cope with even the harshest UK winters.

The owner now has a sustainable heating system that will also be eligible for the Renewable Heat Incentive.

## Case Study

### The Hyde, Purton, Wiltshire

Making a World of Difference

Ecodan is recognised as renewable technology by both the EU and UK Governments because it harvests free energy from the outdoor air to maximise the heat it provides for every kW of electricity consumed – even in the depths of winter.

Ecodan units have one of the highest COPs (Coefficient of Performance) ratings on the market as well being the only air source heat pump to be specifically endorsed by the Noise Abatement Society which has awarded the system its prestigious ‘Quiet Mark’.

With a simple user interface and intuitive controls, the handover process was straightforward and JMR Services includes a complimentary OWLmicro+ energy meter. The company is now discussing whether to add the building to Mitsubishi Electric’s on-going monitoring programme.

**“We are installing more and more Ecodan’s as customers like Andrew Fish hear how reliable and cost-effective they can be.”**

For more details on the full range of services operated by Jason Rogan and his team, visit the company’s website [www.jmrservicesph.co.uk](http://www.jmrservicesph.co.uk).

Further details on the Ecodan range are available at: [www.heating.mitsubishielectric.co.uk](http://www.heating.mitsubishielectric.co.uk).



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