

Popular Wedding Venue enjoy the benefits of Renewable Heating

The Batch Country House install 200 kW Log Boiler & Unique, Interchangeable Oil/LPG and Biomass Heating System.



Project Background

The Batch Country House is located in the heart of Somerset, overlooking the Mendip Hills. The Brown family have lived in the house since 1870 and have been welcoming guests to the house and grounds since 1964.

The hotel is an extremely popular venue for weddings and corporate functions.



The Batch Country House



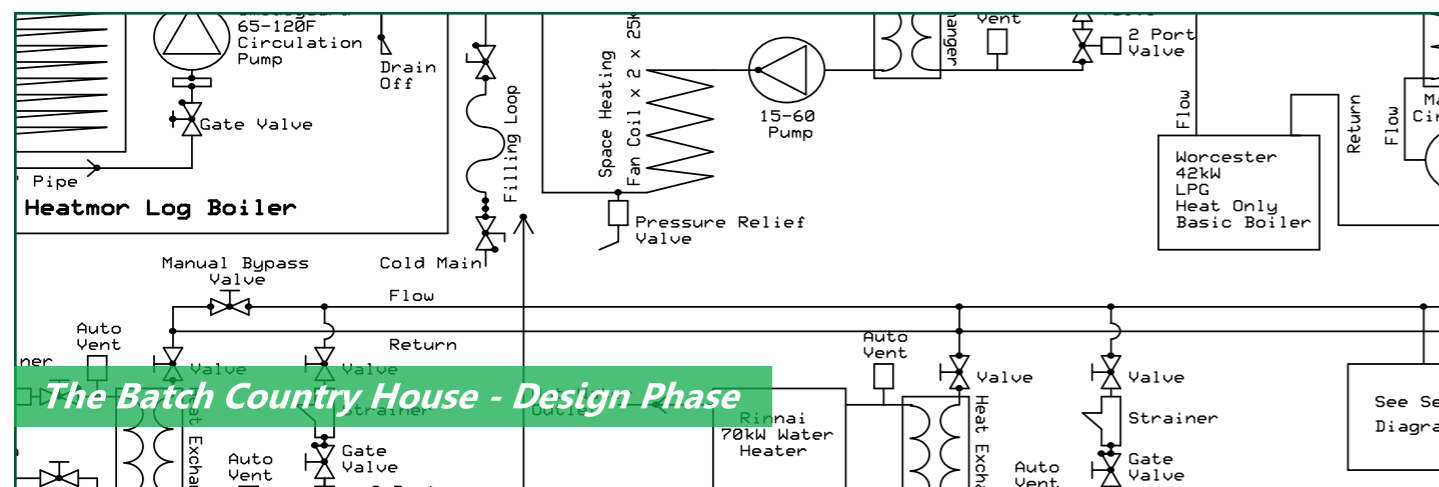
Heatmor Log Boiler

The Requirement

The owners were looking to renew and update their existing Oil/LPG heating systems by integrating an intelligent and renewable biomass solution to minimise reliance on fossil fuels and reduce CO₂ emissions.

"I would definitely recommend Blake Ecotec to anyone considering having a Biomass heating system installed."

- James Brown, Owner, The Batch County House.



The Batch Country House - Design Phase

Key Facts

The Client;

Mr. James Brown.

The Property;

The Batch Country House, Lymsham, Weston-Super-Mare, Somerset (Non-Domestic).

The Project Included;

Design and Installation for a 200 kW Heatmor Log Boiler System, including RHI application.

Distribution pipework including internal connections to 6 additional boilers within the hotel.

Integration of a seamless switchover Biomass solution into existing Oil/LPG heating system.

State of the art fan coil system for hotel wedding reception/dinner hall.

Pay Back Period;

4-5 years (combining RHI income & fuel cost saving).

RHI Payments;

A project of this size would gain approximately £20,000 per annum for 20 years.

"The system was very well designed and all the work was done to a high standard. This is why my brother is now having a system installed by Blake Ecotec."

- James Brown, Owner, The Batch Country House.

Project Summary

We supplied and installed a 200kW Heatmor biomass boiler and connected 6 additional boilers all working to supply heat and hot water to multiple areas of the house, including hotel rooms, offices and kitchens. A fan coil heating system was also installed for the large wedding hall.

Our team designed, installed and commissioned the entire project, including the Heat Meter report and RHI application.

Working with over 70 metres of underground pipe to connect the new internal boilers with the 200 kW Biomass Boiler and the house's existing Oil/LPG heating system, our engineers also configured the system to allow both to work efficiently and interchangeably at the touch of a button.

The Renewable Heat Incentive (RHI)

The new 200kW Heatmor Biomass Boiler and its accompanying systems are compliant within the 20 year Non-Domestic Renewable Heat Incentive (RHI) scheme.

As well as delivering substantial fuel cost savings of approximately 20-25%, our unique and intricate installation at The Batch will enable Mr. Brown to receive RHI payments of 8.8p per kWh of heat generated by the system through submitting quarterly meter readings to OFGEM.

The project will gain approximately £20,000 additional income every year for 20 years. The RHI payments and the fuel cost savings made have already seen the initial outlay paid off in just 4-5 years, making the project both sustainable and financially viable.