

CASE

HISTORY



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When Victoria and Jono, owners of The Old Court Hotel in Symonds Yat West nr Ross-on-Wye, considered installing a biomass heating system they wanted a system that would supply space heating and hot water to all the hotel complex, comprising the original hotel, a new accommodation wing and function rooms, a 3 bedroom holiday let and 4 self-contained apartments.

Following a meeting with Biomass Partners, the company made a full site survey and determined a configuration of a single plant room and fuel store to serve all the needs of the site. The suggested installation would increase the total amount of heat available and reduce fuel costs.

The hotel is a Grade 2 listed building and planning permission was required for the new plant room and fuel store. The owners chose the location and biomass partners obtained architects drawings followed by planning permission.

2 x 99kW Froling P4 pellet boilers were installed, along with a 5 ton buffer tank to help handle periods of high demand.

Over 300 metres of district heat main was laid from the plant room to the entry points of all the buildings. Car parks and gardens were restored to their original condition.

In the buildings the oil and LPG fired boilers were replaced with high capacity heat exchangers.

Not only has the heating cost been reduced, but also overall capacity has been increased.

The plant qualified for the governments RHI subsidy for domestic biomass installations. This paid for 20 years and increases in line with inflation.

Using pellets manufactured with wood from sustainable sources has also reduced carbon emissions by 95%.

The company's 20 year service plan was a major factor in Victoria and Jono's decision to award the contract to Biomass Partners.



The plant room was finished with wood cladding with a reclaimed Welsh slate roof.



The two Froling pellet boilers are reliable and robust.



The pipework in the plant room has been fully insulated.



Fuel store inspection hatches and fuel filling nozzles have wooden doors.



District heat main was laid across the hotel garden,



across the front hotel front to the detached holiday let



and along the front of the self-contained apartments.

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