

Invicta Clean Energy

A village shop and a large flat in a listed building heated by a 25kW wood gasification boiler

Horsmonden, Kent

By installing a 25kW wood gasification boiler to provide heating and hot water for their shop, the owners of this flat have been able to register under the commercial RHI phase 1 scheme. As well as heating the shop they are also able to benefit from RHI payments to heat their living accommodation in the flat above the shop.

A 25kW Ecoangus Origno 200 boiler and a 1400 litre accumulator tank have been squeezed into the basement of the building, which is listed. Because of space constraints and limited headroom in the basement, we specified an Akvantti oval accumulator tank which fits snugly into a space besides the stairs. A Laddomat 21-60 maintains the efficiency of combustion within the boiler and regulates the rate at which the store is charged. The circuit includes a 150 litre expansion vessel.

The chimney exits through a basement window, runs up the side of the building to a height of 9 metres and as a requirement for listed building consent is painted black. A chimney fan ensures that there is no possibility that smoke blows back into the basement when loading logs.

Timber is sourced from local suppliers. Annual revenue from RHI payments is estimated at more than £3,000.



Invicta Clean Energy Ltd.
59 West Street, Faversham, Kent ME13 7JH
Tel No: 01795 539436
info@invictacleanenergy.co.uk
Company No: 5930025 , VAT No: 912 8537 20

