

Process Drying & District Heating Case Study: WB Hamilton & Son

WB Hamilton & Son are situated in the East Lothian area of Scotland. This well-established family farm grow, harvest and dry cereal and rapeseed which is used for Scotland's growing malting barley and distilling markets.

We were contracted to install renewable sourced heat to reduce the company's carbon footprint, their dependence on fossil fuels whilst also reducing costs.

WB Hamilton & Son wanted to incorporate the heat from the Biomass Boiler into an existing grain dryer to increase production. A Heizomat RHK-AK 1000 (900kwh) Biomass Boiler, was installed to meet the needs.

A district heat network of 300m was included to service numerous buildings, including 8 domestic rental properties, this reduced the need for electric and fossil fuelled heating.



Grain is now being produced with less reliance on fossil fuelled burners and the 8 dwellings are being supplied heat by the Biomass Boiler, they no longer use their kerosene boilers.

This is another perfect example of a successful project, from installation of the boiler, to the complete mechanical and electrical requirements including district heating.

Installation Brief:

- 1 x Heizomat RHK AK 1000 (990kwh) Biomass Boiler
- 1 x 20000 litre buffer tank
- 300m of underground low heat loss pipe
- Full mechanical and electrical contract
- Domestic connection to 8 properties
- Retrofit of allmet dryer to biomass

