

Case Study

BALRING DISTRICT HEATING AND GRAIN DRIER



Key Facts

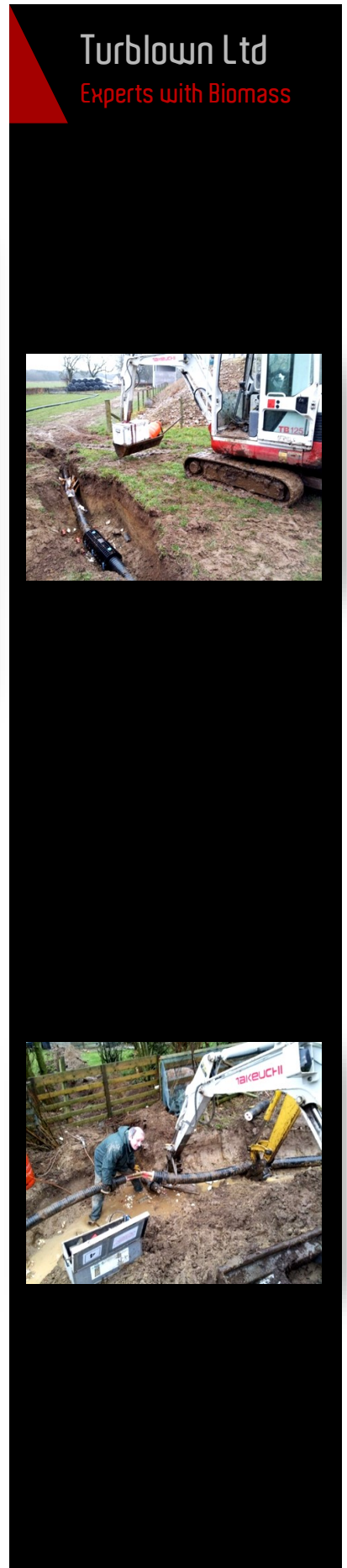
System: Provides heating to 3 domestic properties, the workshop and a grain drier.

Boiler: Fröling TX200 (199kW)

Fuel type: Woodchip, wood pellets

Potential RHI Income: **£9,466** every year for 20 years, index linked.

Financial information based on current RHI figures—installations accredited on or after 1 April 2016



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Project Brief

Balring Farm, located in the North East of Scotland, is a busy, working, family-owned farm.

The client wanted to replace the inefficient oil boilers which were in multiple properties on his estate with one district heating system.

At the same time, the client also wanted to have the ability to connect the boiler to his existing tray drier in the adjoining shed.

Biomass Solution

Turblown Ltd installed a Fröling TX 200 (199 kW) biomass woodchip and pellet boiler which supplies heat to a thermal buffer tank.

Heat and domestic hot water (DHW) is distributed via three weather compensated temperature controlled loops, meeting the heating and hot water needs of the farmhouse and farm cottages, as well as supplying heat to the drying floor during harvest.

Result

- Unlimited heating and hot water to all properties
- Considerable fuel savings
- Significant return from Renewable Heat Incentive
- Low maintenance, easy to use and highly efficient system
- Ability to supply heat efficiently through the full output range—i.e. high demand in summer for grain drying, and hot water and heating for all properties/Lower demand throughout other times of the year for DHW and heating only.

Turblown Ltd

Experts with Biomass

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