

Case Study

SAVOCH BIOMASS GRAIN DRIER



Key Facts

System: Provides heat to a double “Oosterhof layout” tray drier system

Boiler: Kalvis M-1 500 (500kW)

Fuel type: Woodchip

Potential RHI Income: **£34,427** every year for 20 years, index linked.

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



Installer Partner of



Turblown Ltd
Experts with Biomass

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Project Brief

The Oosterhofs could see the potential to reduce their huge drying costs by installing a woodchip boiler to provide heat to their double tray drier.

They tasked Turblown Ltd with finding the best solution for their annual drying requirements with the ability to increase capacity in the future to process dry woodchip to sell.

Biomass Solution

A portal frame building with insulated cladding and concrete walls was used to house the Kalvis M-1 500 kW biomass boiler and a double 'Oosterhof layout' tray drier system.

Heat generated by the biomass boiler is transferred to a fan coil unit. Heat is then supplied to a wet grain pile to dry grain.

Result

- Economically provide heat to grain drying system
- Considerable fuel savings
- Significant return from Renewable Heat Incentive
- Fuel tolerant, easy to use and highly efficient system

Turblovn Ltd

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