

Woodtherm Fuels Ltd was established in 2004 to supply woodchip to local businesses and community buildings. The market in Lochaber has expanded rapidly and the business needed to build capacity to meet the demand for woodfuel supply. Support from the EU ERDF, HIE Lochaber, and Forestry Commission Scotland enabled Woodtherm to acquire a heavy-duty chipper with greater throughput and the capacity to chip large diameter material. This has improved the reliability and output of the business which has consequently been able to extend its customer base, and reduce the cost of the woodfuel product.



Facts and figures

Drying shed: 21m x 10m x 5m high steel framed building

Chipper: Heizhach HM5-400 tractor driven woodchipper producing 35/40mm woodchips

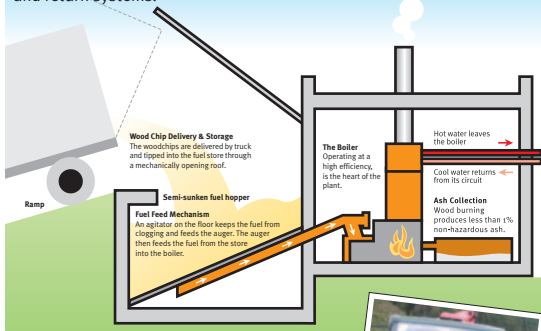
Delivery: Lorry fitted with crane to lift 2m³ bags, or bulk delivery using a container holding 40m³

Woodtherm Fuels

Sustainable woodfuel supply and heating

How does a woodfuel boiler work?

Modern installations are fully automated and require minimal attention. The key components are the boiler, fuel handling system, and the flow and return systems.



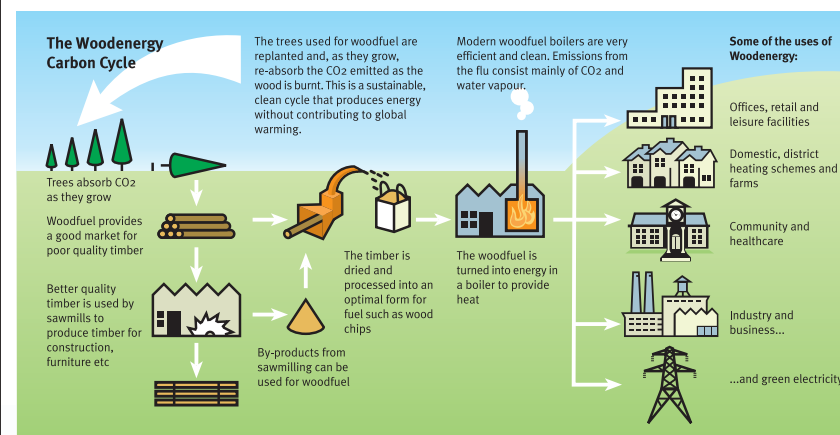
The fuel supply

The raw material is sourced from sustainably managed local woodlands, including Forestry Commission Scotland woodlands. The timber is air-dried in the forest, hauled to the wood storage sheds and chipped. The wood chips, at a moisture content between 25% and 30%, are delivered to customers either in bags which are crane-loaded into the hopper, or tipped directly into the store from a bulk container.



Sustainable Heating with

WOODENERGY SCOTLAND



What is woodfuel?

Woodfuel is a modern, clean and environmentally friendly alternative to fossil fuels, and is an economic solution for the heating needs of public buildings, industry and business premises, agricultural buildings and households. It comes in many forms including logs, pellets (made from sawdust), and woodchips.

Woodfuel is widely used throughout mainland Europe for heating and power generation and is Europe's most important source of renewable energy providing 51% of all renewable energy.



Why biomass?

Supporting the local economy

- local income stream
- more local jobs than any other renewable energy alternative
- new market for forestry and farming industries
- cheaper fuel prices

Environmental Facts

- renewable energy
- clean and safe to store
- promotes sustainable forest management and so can benefit wildlife

Social Benefits

- local employment
- communities can contribute to their own future energy needs
- helps reduce fuel poverty

the future for Scotland's wood energy is at www.usewoodfuel.co.uk