

# Biomass wood chip boiler ETA HACK 195 kW Thirlestane Castle, Lauder



## Installation project

Our client contacted Border Eco Systems to design, supply, install then maintain a wood chip boiler to generate heat to specific parts of the property. Being a castle we worked alongside bodies such as Historic Scotland, Listed Buildings Scotland, to secure planning and create a purpose built plant room 150 metres in distance from the castle.

The project comprised of construction of a new plant room building; positioning inside both boiler and buffer tank ahead of completion, laying pre-insulated underground pipework. Within featuring, lagged, press fit carbon steel piping; fuel store with fuel hopper, timber is brought directly from the forest for chipping. Heat is delivered to the castle via a twin head pump set and the underground pipes.

- ▶ **Boiler type** ETA HACK 195 kW and fuel transfer system
- ▶ **Hopper** 85m<sup>3</sup> custom built
- ▶ **Flue system** Nova 250 twin wall stainless steel chimney system
- ▶ **Estimated fuel use** 100 tonnes per annum
- ▶ **Service requirements** empty ash once a month and annual boiler service

## Client testimonial

Neil gave me a very competitive quote, thorough breakdown of the quote, a clear understanding of what I needed and how to go about doing it, he was also very professional and very easy to talk to. Neil went out of his way to make the whole process as stress free as possible. Neil and his father David (Gilbert Developments) are a brilliant team. The boiler has now been turned on, I couldn't be happier.