

Swinton Park Hotel, Yorkshire



Swinton Park Hotel and Estate is a private country hotel near Ripon, North Yorkshire as a luxury hotel. With 30 bedrooms and a spa and cookery school, the hotel has the highest rating of any hotel in Yorkshire.

In 2001 the Cunliffe-Lister family bought back the ancestral home at Swinton Park near Ripon, and set up the family business as a luxury hotel. With 30 bedrooms and a spa and cookery school, the hotel has the highest rating of any hotel in Yorkshire.

The cost of heating the hotel with oil increased dramatically during 2004/5. This led Mark Cunliffe-Lister to explore the idea of replacing oil by high efficiency automatic wood-fired boiler and in 2005 Wood Energy Ltd installed a 300kW Binder wood chip boiler system. The wood boiler utilises wood chip from woodland within the estate.

The Binder boiler works in conjunction with 2 x 6000litre buffer tanks. The buffer tanks perform three important functions.

Firstly, they offer additional peaking capacity under extreme weather conditions; secondly, they allow the boiler to operate efficiently

under low load conditions and thirdly, provide a large energy store for high instantaneous hot water demand.

The Binder boiler has a fully automatic cleaning system of the heat exchanger tubes, exhaust gas recirculation to allow

the combustion temperature to be controlled to avoid clinkering and an exhaust gas cyclone to remove fly ash.



Name of project	Swinton Park Hotel
Location	Yorkshire
Boiler type	Binder RRR/RRF 200-350
Maximum rated output	300kW
Wood fuel specification	wood chip fuel
Fuel storage volume	Approx. 60 m ³
Commissioned	March 2006