

National Trust Sheringham Park

(ETA Hack 70kW Woodchip Boiler – District Heating Scheme)



Project History

The National Trust had a heating system that required considerable updating. This and the fact that the Visitor Centre could continue being self sufficient with its own wood supply and receive the Renewable Heat Incentive (RHI) quarterly payments was the catalyst to put the wheels in motion.

Solution

Nexus Energy Ltd worked closely with the National Trust to design the system in such a way that was user friendly with regards to fuel handling and easily controllable for the end users. An ETA Hack 70kW woodchip boiler was the perfect solution using a district heating network to provide a mixture of heat and domestic hot water to a holiday cottage, office, visitor centre, kitchen and toilet block.



ETA Hack (70kW boiler room fully lagged and ready for operation)

The Boiler is expected to use c. 40 tonnes of G30/50 W30 woodchip per annum. The Trust harvests its own timber on a sustainable basis and hires in a wood chipper once per annum to chip the annual fuel requirement for this boiler. The woodchip is then stored in a barn before being distributed to the hopper adjacent to the boiler using a tractor and large bucket.