

INSTALLATION PARTNER:



Ecosmart Energy Systems Ltd/ www.ecosmart-energy.co.uk

COMMERCIAL INSTALLATION

Peak District, Derbyshire 2 x 500kW ETA Biomass Boilers

PROJECT:

The estate committed to invest in renewable technology and reduce their carbon impact. In order to do so they opened The Chatsworth Renewable Energy Centre to feed heat and power to the 300 room house, garden, stables, shops and restaurants in late 2013.

SOLUTION:

Two ETA 500kW biomass boilers were installed including an agitator and walking floor. The energy centre was reconfigured and connected to the existing network. A fully efficient combined heat and power system is now in place serving all associated buildings with impressive fuel savings and promising revenue. All the wood fuel is sourced from the Chatsworth woodlands, from the estate's sustainable thinning and felling operations and is dried and chipped on site.

BOILER TYPE	2 x 500kW ETA HACK Boilers
FUEL TYPE	Wood Chips
FUEL SAVINGS	N/A
RHI REVENUE	£69,758 approx. / year
TOTAL REVENUE	£1,395,160 approx. / year
PAYBACK TIME	4 years
CO ₂ SAVINGS	678 tonnes / year