



Case Study: Paddock House Farm

"We have quickly come to feel the financial benefits of biomass heating since we installed the new Talbot's Biomass 'C3' series combuster"

Gareth Gaunt,
Proprietor, Paddock House Farm.

'C3' SERIES

Biomass Heating makes a come back!

Wood and "biomass" materials have been providing man with a source of heat for thousands of years, but has been largely overlooked in the modern world. But now this valuable fuel source is enjoying renewed interest with business, industry and agriculture.

The requirement to reduce reliance on fossil fuels - coal, gas and oil - and thereby reduce emission of carbon dioxide which contribute to the greenhouse effect - is reviving interest in wood and biomass as fuels.

This renewed interest is being further stimulated by government policy which is heavily promoting the introduction of sustainable and renewable energy sources with grants and significant tax incentives.

Owning and operating a 60 acre multi-purpose site at Wetherby in North Yorkshire, Gareth Gaunt was quick to recognise the potential financial and environmental benefits.

By installing a Talbot's Biomass 'C3' series combuster, Gareth has been able to switch to biomass fuel which provides heat for an award winning office complex, two large houses, a cottage and other large outbuildings and sheds.



Above: Gareth putting his investment to use, using the biomass combuster to heat the Paddock House Farm complex.

Right: Gareth Gaunt and Talbot's representative Chris Hughes, Technical Sales Manager.

"The energy efficiency of the Talbot Biomass 'C3' series is excellent and provides an uninterrupted predetermined output that we can set to suit our needs," says Gareth. "Because the Talbot system is so efficient it qualifies for the maximum enhanced capital allowance which means we can write down the full capital cost of the system in the year of purchase," he says.





'C3' SERIES



Gareth is so convinced of the benefits that he is also growing his own fuel - he has 30 acres of short rotation willow coppice which he harvests and shreds. It is then fed into the combuster from a fully automated hopper.

All Talbott's combusters are manufactured to customers' bespoke requirements enabling the company to provide a solution for any application be it in public/private sector, industrial, or agricultural/horticultural.

Left: The willow is grown as a short rotation crop and harvested every 3 years.

Below: A digger collects and prepares the crop to be dried.

* *Biomass - is all plant and animal matter such as trees, waste products and animal by-products.*

* *Tax Incentives - for further information visit www.eca.gov.uk*

Below: The furnace reaches optimum temperature to burn the crop as efficiently as possible.



The Talbott's principle uses their proven technology to provide heat users with a viable alternative to fossil fuels:

- *Developed with proven technology*
- *Low maintenance*
- *Value engineered product*
- *Easy installation and simple controls*
- *Low capital outlay*
- *Programmable automated control for flexible output range*
- *Enhanced capital allowance against tax*
- *CO₂ neutral fuel*
- *Independent approval of 80%+ efficiency*

