

## CASE STUDY

Agri-Business

# Lincolnshire poultry farmer installs novel Biomass Heating solution

<b>Client</b>	Moor Farm
<b>Location</b>	Moor Farm, Saxilby, Lincolnshire
<b>Installer</b>	Land Energy
<b>Equipment</b>	E-COMPACT 199kW & Integrated Store

### Farm Profile

Moor Farm based in Lincolnshire is a poultry producer supplying to one of the largest poultry processors in the UK. The farm consists of 7 broiler sheds.

### Biomass Heating System

Land Energy and WOODCO designed a novel biomass heating solution for the poultry sector whereby the 199kW E-COMPACT biomass boiler sits underneath the 10 tonne biomass store. A roller shutter door is closed to secure and weather the boiler in the 'plant room' underneath. The Boiler was delivered to site on a 'skid' with the flow and return pipework factory fitted and this pipework comprised of 'header,' pumps, PRV, heat metre and valves. This made the installation a very efficient process. Time was a



10 tonne fuel store and  
200mm twin wall stainless steel flue



Finned Pipework  
for heat dispersion



## Poultry Farm, Lincolnshire

### CASE STUDY

Agri-Business



One of 3 EcoCabins on Moor Farm

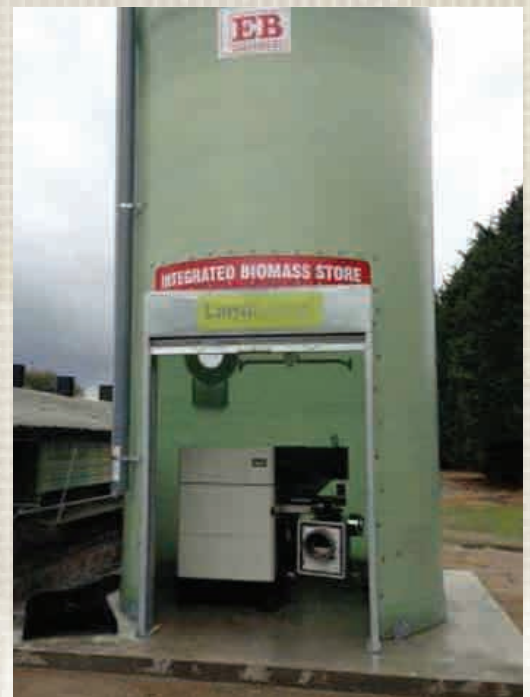
critical factor as the shed was cleared for a crop changeover cycle and day old chicks were being housed on the following Monday.

Land Energy used a finned pipe system around the perimeter of the shed instead of the typical fan coil systems traditionally used. The pipework contains 600L of water and disperses a nice consistent heat at 32° C when the birds were introduced.

The farmer has since installed three 199kW EcoCabins and is now heating his entire farm with wood pellets.

#### RHI (A Compelling Financial Business Case)

Poultry farmers require consistent heat and as a result have large energy bills. Most farms are off the gas grid and so used predominantly LPG as their heating fuel. By switching to wood pellet Moor Farm can expect to reduce its fuel bills by 50%. On top of that they can expect to earn between £16,000 and £22,000 per shed (varies depending on heat load) from the RHI p.a for the next 20 years. This represents spectacular savings for the poultry farmer.



Boiler being installed under 10 tonne Silo

# WOODCO

Heat and Power

Head Office: WoodCo Energy SA,  
Rte de Courgenay 38, 2900 Porrentruy, Switzerland.  
t: +41 324668008

w: [www.woodco-energy.com](http://www.woodco-energy.com)

WoodCo Energy Ireland  
Unit D Cahir Business Park, Cahir, Co. Tipperary, Ireland.  
t: +353 52 7445330

e: [info@woodco-energy.com](mailto:info@woodco-energy.com)

MANUFACTURERS OF RENEWABLE HEATING PRODUCTS