

## Energy cost savings for Devonshire Poultry

Devonshire Poultry decided to install three automated 199kW boilers after contacting us and talking through the options available with both ourselves and our preferred installer for Biomass systems for poultry units, Edge Renewables. This new system has an estimated energy saving of around £100,000 per annum.

Ever increasing heating costs for the three poultry sheds through traditional gas-fired boilers made this Honiton based poultry business re-examine the way they sourced their energy. One important factor was ensuring that the environment benefitted from a reduction in the site's carbon emissions. The realisation of their vision has now come to fruition and Devonshire Poultry are able to benefit through lower heating costs and the Government's RHI scheme, following the installation of a fully automated Biomass boiler system.

Edge Renewables were engaged to design, install and commission a single biomass fuelled energy centre complete with fuel handling and control systems. The figures stack up as follows:

Total capacity 3 x 199kW

Approximate annual fuel cost saving £71,000

Approximate RHI income £78,000

Anticipated payback – within 3 years

The boilers provide heating for the sites three broiler sheds, boasting automatic ignition, self-activated cleaning and large ash containers. They have been integrated into the automated control system to provide Devonshire Poultry with an easy to use heat source. In order to level out the peaks of the site's heat demands, three 5,000 litre insulated accumulator tanks have been incorporated within the energy centre. This allows the automated sequence controls to store and release heat in the most economical way, quickly responding to the changes in demand. The heat produced is piped to each of the three sheds using a highly efficient underground pre-insulated pipe network which runs between the sheds and the single plant room and chip store.



*Robert Lanning of Devonshire Poultry with the newly installed boilers*

**If you think your business would benefit from Biomass please contact the moleenergy team on 01769 575674**