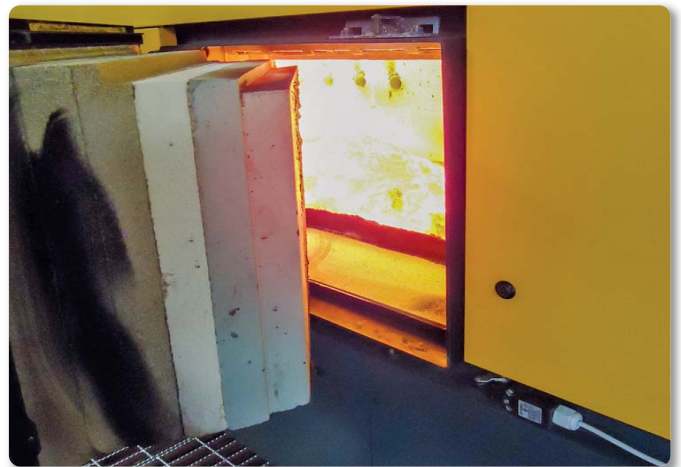


BIOMASS CASE STUDY **THE HEWETT SCHOOL**



Background:

The Hewett School is a large secondary school based in Norwich. They were the first in Norfolk to create a Foundation Trust to support their work on behalf of the students and the local community. As an Eco-School they are dedicated to lowering their carbon footprint and energy costs. The school were faced with the issue of very old gas boilers which were becoming increasingly unreliable. The cost of replacement for these gas boilers would have spiralled into hundreds of thousands of pounds which would have had to come out of their annual budget.

Following a series of discussions with Evogreen, they realised that they were able to take advantage of Carbon Trust approved funding to allow them to install a carbon neutral 700kw Biomass Boiler system. This system is forecast to generate significant income from the Renewable Heat Incentive (RHI) as well as delivering a far more reliable heating system with state of the art monitoring capabilities.

The detail:

Boiler model: 2 x ETA Hack 350
Buffer tank: 4 x 2000 litre capacity
Fuel & Storage: 2 x 17 tonne pellet silos with automatic ash discharge system
Monitoring system: ETA bespoke heating real time monitoring control system

The benefits:

Forecast lifetime performance:

- Reduced energy costs: - £162,901
- Revenue generated through RHI: - £1,831,763
- Reduction in CO₂ emissions: 302 tonnes annually



Testimonial:

"A failure of one of our main boilers triggered an investigation into alternative energy solutions. We invited a number of organisations to outline what they were able to offer the school in terms of an energy efficient solution. We found Evogreen to be professional, diligent and flexible in their approach and both governors and the school were confident in the solution and benefits commissioned."

"The installation process has been relatively straightforward and we now have a fully operational biomass heating system generating a significant level of income for the school, whilst being cost neutral overall from year one. In addition the school is contributing towards the very important goal of reduced carbon emissions." **Joanna Tuttle – Accountant**

Evogreen plc
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Our experienced team are ready to talk you through the benefits of sustainable energy and how we can:

- Reduce your energy costs
- Lower your carbon emissions
- Generate additional revenue

To find out more, please get in touch with one of the Evogreen team:

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Email us on: **info@evogreen.co.uk**

Write to us: **The Greenhouse, Bury Road, Kentford, Newmarket, CB8 7PR**

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