

Hawk Creative Business Park, 100kW



Developed by Sir Ben Gill, The Hawk Creative Business Park has been transformed into offices with impressive green credentials. The Business Park is created from a quadrangle of historic farm buildings set within 25 acres of parkland and woodland. This innovative centre offers High Tech office accommodation which is attracting tenants that recognise the importance of sustainable technology combined with cost efficient energy saving fittings.

Technical Summary

A Froling Turbomatic 100kW biomass boiler has been installed as the sole source of the heat. This is housed in a separate building combined with the fuel store. Features include -

- Automatic lighting
- Self cleaning boiler tubes
- Automatic ash extraction
- Modulation output
- Very low emissions .

Also housed in the boiler house are two 2000 litre buffer tanks that allow the boiler to be turned off for long periods in the summer. These also provide additional flexibility in meeting systems peaks and avoiding unnecessary boiler cycling. This improves the systems efficiency and response.



Wood fuelled boilers Biomass energy services District Heating

Tel: 0870 0545 554 www.econergy.ltd.uk e-mail:sales@econergy.ltd.uk



Operation

- The system feeds a small network of underground heat mains. This supply's heat to fifteen business units.
- Under floor heating is installed in the business units. This allows the use of smaller heat mains than would be required if radiators or convector heaters were used. This has helped to keep the overall cost of the project down.
- Each business unit has its own heat intake point with balancing controls and a heat meter. The heat meters are monitored by the Business Park.
- Due to the cheaper cost of the fuel, the clients are insulated from the rapidly rising fuel costs that many businesses are currently experiencing
- High quality 30mm wood chip of below 30% moisture content is supplied from local sources, including Sir Ben's own estate.
- This is delivered in bulk by tractor and trailer and stored in the large barn on site.
- The purpose built fuel store, which feeds automatically into the boiler when required, is loaded by a front end tractor loader.
- This is delivered into the fuel store through an electrically operated hatch.
- This provides a local income from local resources and employs local labour ensuring that the site is not reliant on fossil fuel.



www.hawkcreative.com



Picture 1 - Newly constructed boiler house and fuel store

Picture 2 - Front loaded tractor delivering woodchip

Picture 3 - Fuel being delivered into the fuel store

Picture 4 - Inside fuel store

Wood fuelled boilers Biomass energy services District Heating

Tel: 0870 0545 554 www.econergy.ltd.uk e-mail: sales@econergy.ltd.uk