



### Turn-Key Project Summary

- Full project design, management and training
- Installation of a Farm 2000 195kW log boiler
- Fabrication and installation of the integrated flue mast and header tank platform, erection of the flue
- Supply and installation of the modified 40' container, ducting and air handling unit
- Complete plumbing and electrical fit-out including 18,000l insulated accumulator tank, high efficiency variable speed pumps, controls, sensors, heat meters, insulation
- Underground heating main and property connections



### Key Costs and Benefits

A turnkey system similar to the one outlined above is likely to cost around £80,000

**Fuel Consumption** – Approx 144 tonnes of wood per annum (based on 487,500 kWh per annum)

**RHI Payments** - Around £22,000 per annum depending on use, equivalent to around £590,000 over 20 years (index linked)

**Production** - >1700 m<sup>3</sup> bags kiln dry per annum

**Added Value** (vs seasoned logs) – Around £20 per m<sup>3</sup> per annum

**Payback Period** - Approximately 3 years, after labour, maintenance and fuel costs.

**Project Value** – Annual gain around £36,000  
Project cash flow over 20 years £670,000, IRR 38%

*Figures are approximations based on assumptions made on heat delivered, fuel usage and cost, fuel inflation, annual RHI rates and index linked increases, system efficiency, log moisture content, log type and shrinkage, kiln run time, labour input. Call Asgard Biomass for further information*

### The Boiler: Farm 2000 HT80R 195 kW Log

Well proven and respected	Easy access for loading
Manufactured in England	Multi-tube heat exchanger
Large capacity burning chamber	Clean burn gasification
Simple operation	RHI compliant
3000 boilers installed over 35 years	High efficiency 75 - 80%

