

Solutions for

# REMOTE ENERGY MANAGEMENT



**Optimise your biomass  
installation and  
reduce heating costs**

# It's easy with Remote Monitoring



By installing a live remote monitoring solution that integrates into your biomass boiler system you can easily track your boiler's heat generation and consumption, allowing you to optimise your heating system and react quickly to any issue or fault. Our remote monitoring systems can easily be retrofitted to your existing biomass heating system by one of our experienced and highly skilled engineers.

We offer 3 different remote monitoring packages tailored to suit your requirements and your biomass heating system.

## (1) HARDWIRED ETHERNET CABLE

With a hardwired CAT 5 RJ45 Ethernet Cable from your network router to your biomass boiler controller, you will have access to remotely view your biomass boiler anywhere, anytime. Our VNC viewer can be accessed via your PC, Tablet or Smartphone (third party app required) and gives you a simple, user-friendly interface which matches the controller directly in your biomass boiler. This controller has a convenient menu and simple screen layout to allow you to evaluate and analyse your heating system and make easy adjustments to optimise certain processes and parameters.

£550 for set-up and commissioning of remote visualisation network and VNC viewer\*.

\*Price excludes CAT 5 E-Net Cable from network router to biomass boiler controller

### How the system works:

#### INPUTS



BIOMASS BOILER CONTROLLER

DATA HUB

REMOTE VISUALISATION

BIOMASS BOILER VISUALISATION

HM = HEAT METER

## (2) SMS TEXT MONITORING SYSTEM

With a SMS Text Monitoring System you can receive instant text notifications regarding the status of your biomass boiler and heating system. The system can send a range of programmable text messages, tailored precisely to your biomass heating system faults and alarms, to up to 5 different mobile numbers of your choosing. To ensure your peace of mind and continual operation of the SMS Text Monitoring, a battery pack back-up module is supplied to provide you with 12-24hrs of operation in the event of a power failure. Additional configurable digital inputs can be added to the unit if you so wish to allow further monitoring of your auxiliary boilers, hydraulic components and fuel store.

Prices start from £1,075 for unit installation, set-up and commissioning\*.

\*Unit requires SIM card from a network carrier with good coverage in area of installation. Unit will inform you of low credit if you use a pay-as-you-go sim card.

Why not let us take the strain. For just £350 per year our highly skilled technical engineers can receive your fault and alarm notifications and immediately follow a fault procedure, pre-agreed by you. This may be a phone call to yourself or your site operative or a visit to your site by one of our trained biomass engineers. For more information please call 0203 189 0666.

\*SMS Text Monitoring System required.

### How the system works:

#### INPUTS



BIOMASS BOILER CONTROLLER

FUEL SENSORS

AUXILLARY BOILERS

HYDRAULIC COMPONENTS

DATA HUB

REMOTE VISUALISATION

BIOMASS BOILER NOTIFICATION

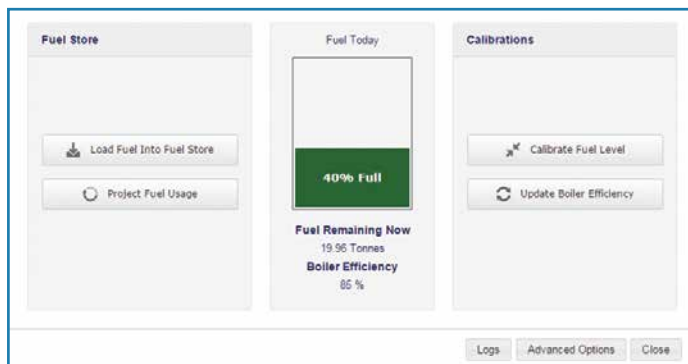
HM = HEAT METER

# Optional Extras

## FUEL STORE MANAGEMENT

Remotely collecting kWh data from your heat meter allows the effective calculation of the amount of fuel remaining in your fuel store, with no additional remote monitoring hardware required.

- Graphical representation of your daily fuel usage.
- Quickly view your fuel level as a percentage of fuel remaining.
- Predict the amount of fuel left in your fuel store by calculating the average usage.
- Set alarms to notify you via text or email when your fuel store reaches a pre-selected level.



## QUARTERLY RHI STATEMENTS

Accurate meter readings across multiple heat meters will ensure you'll never miss an RHI payment. The automatic RHI statements sent directly to you every quarter can be uploaded, without the need for modification, straight to OFGEM.

## WEEKLY SYSTEM REPORTS

Individually tailored reports can be sent directly to you every week to update you on the ongoing operation of your biomass system. These simple, yet effective, reports display the parameters most important to you and as such are perfect for reviewing the status of your biomass system.

## DIGITAL INPUTS

Additional digital inputs from auxiliary boilers, fuel level sensors and hydraulic components can easily be connected into your remote monitoring and optimisation package. Tailored alarms will notify you of their status and faults meaning you can know the status of your biomass heating system 24/7.

Examples of digital inputs include:

- High / Low capacitive fuel sensors in your wood pellet or chip store.
- Load cell bag silo weighing system.
- Back-up gas boilers.
- Flow and return pumps in your biomass heating system.



## ADDITIONAL HEAT / GAS METERS

Achieve full control of your biomass installation by connecting additional heat and gas meters to your remote monitoring package. An additional 7 heat meters can be added to your package and viewed simultaneously on the online dashboard.

**For further information on the additional options available give us a call on 0203 189 0666.**

\* Additional remote monitoring hardware is required for digital inputs and extra heat / gas meters.

### (3) REMOTE MONITORING & OPTIMISATION SYSTEM

With a Remote Monitoring and Optimisation System you can access a data visualisation tool that will give you complete visibility and control of your biomass system 24/7 and in real time. The user-friendly, online dashboard allows you to analyse live and historical kWh generation and usage data for each heat meter and view the biomass boiler controller interface. What's more the tool is cloud based so it is extremely fast and can be accessed via a PC, Tablet or Smartphone\*.

- Analyse the performance of your biomass boiler with views on energy, temperature, flow rates and volume data directly from your heat meter.
- Create bespoke reports, charts and comparisons to be exported to Microsoft Excel and PDF.
- Proactively monitor your system with notifications and alarms.
- Modify biomass boiler processes and parameters via the biomass boiler controller interface.
- Evaluate fossil fuel boiler usage vs biomass boiler usage.
- Calculate carbon savings.

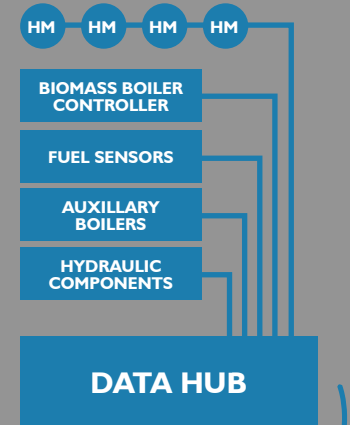
Prices start from £1,685 for unit installation, set-up and commissioning\*.

\*An additional monthly remote monitoring and optimisation data charge is required (turnover to see the options available).

For more information or to book a set-up visit contact us today 0203 189 0666.

### How the system works:

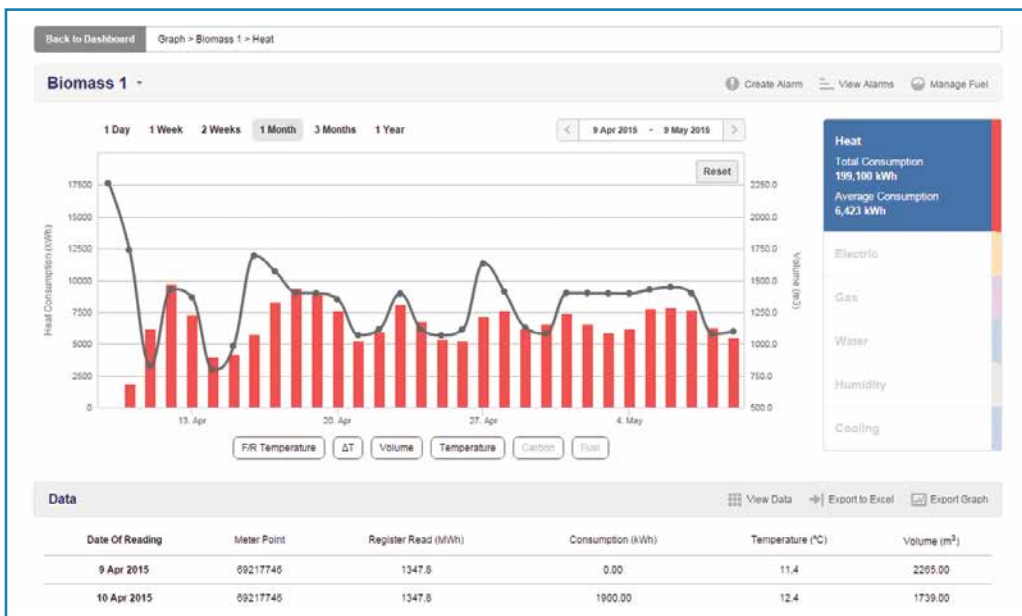
#### INPUTS



#### REMOTE VISUALISATION

- HEAT METER MONITORING
- BIOMASS BOILER NOTIFICATION
- BIOMASS BOILER VISUALISATION
- FUEL STORE MANAGEMENT
- QUARTERLY RHI STATEMENTS
- WEEKLY REPORTS

HM = HEAT METER



### HEAT METER MONITORING

- Quick and easy access to heat meter statistics.
- Monitor multiple meters in one place.

### BOILER VISUALISATION

- Via smartphone\*, tablet or PC.
- Biomass boiler processes and parameters can be read and modified any time from anywhere.

\*Third party app required.



# Online Visualisation – Instant access to all your data

Become an independent manager of your biomass heating system today by selecting one of the following remote monitoring and optimisation data charge packages.

## STANDARD PACKAGES

Option		Monthly Cost*
1	Heat Meter Monitoring	£15
2	Heat Meter Monitoring & Boiler Visualisation	£35

## ADDITIONAL EXTRAS

Option		Monthly Cost*
A	Fuel Store Management	£3
B	Quarterly RHI Statements	£3
C	Weekly System Reports	£3
D	Digital Input	£3
E	Additional Heat Meter	£1.50
F	Additional Gas Meter	£1.50

\*based on a 2year remote monitoring and optimisation contract with Myriad Plantroom Services. Excludes hardware and installation cost at £1,685.

**Contact us today on 0203 189 0666**



[myriadservice.co.uk](http://myriadservice.co.uk)

Operation and Maintenance / Reactive Maintenance / Plant Servicing / Operator Training

Call us on: 0203 189 0666

Or email: [service@myriadservice.co.uk](mailto:service@myriadservice.co.uk)

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