

# HETAS Approved Biomass Maintenance Scheme (HABMS)

**Wood Heat – 24th October 2023**



# HETAS Purpose

Working together for a cleaner, safer and more sustainable environment

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A reminder of the drivers for Biomass  
Boiler Maintenance – research findings



The Legislation and MCS  
040

HETAS as a Certification  
Body

The Scheme

Findings

Progression & Future



# A reminder of the drivers for Biomass Boiler Maintenance

## – research findings

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In order to understand how to reduce the environmental impact of operating a biomass boiler, BEIS invited KIWA to research the; Measurement of the in-situ performance of solid biomass boilers. The findings included;

1. The average efficiency of biomass boilers under real-world conditions was 77% net or 70% gross
2. The predominant factors causing poor performance were:
  - I. rapid cycling
  - II. poor fuel
  - III. lack of operator knowledge (and therefore maintenance of the boiler)
3. Poor fuel impacted both efficiency and pollutant emissions.
4. The level of operator knowledge and training, and therefore the



# The Legislation and MCS 040

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To support the research, a Working Group was formed and a Standard created (MCS040) to encourage the maintenance of Biomass appliances, and recognise competent maintenance businesses

The RHI Legislation was changed (for Non Domestic Biomass participants)

What is required as evidence of compliance?

To align with both MCS 040 and the amended RHI Regulations, the documents required to be issued by the Consumer (RHI Recipient) to Ofgem are;

- a) PPM report
- b) Contract (not wholly defined for ND clients, but is necessary)
- c) Document issued by HETAS. – This is the HETAS Notification.

# HETAS as a Certification Body

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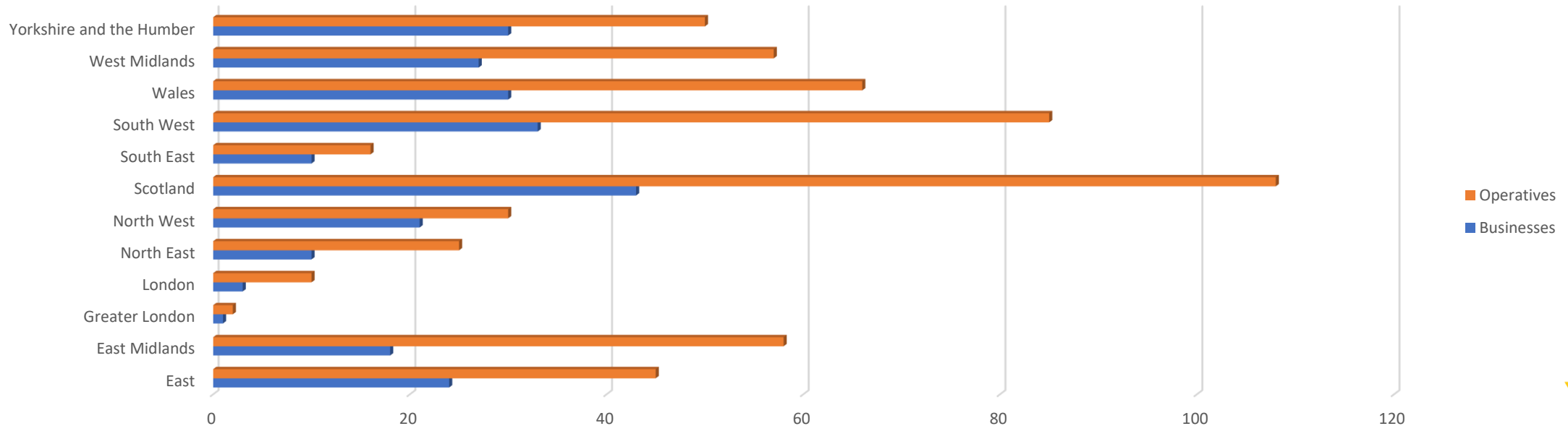
**HETAS aims to give stakeholder confidence through delivering certified products, processes and services to specified standards.**

- ✓ **We are an independent third party that handles the certification process**
- ✓ **We provide an assessment of compliance to the required standard (in this case MCS 040)**
- ✓ **We award certification to the business to operate within the scheme**
- ✓ **We monitor and review compliance in relation to the scheme standard & rules for registration**
- ✓ **We act in a fair, impartial and transparent way**
- ✓ **We are assessed by UKAS annually to maintain our CB status**

# The Scheme – Success

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- **The reforecast - 14,829 NDRHI accredited appliances which require maintenance.**
- **Over 270 Businesses Registered**
- **Over 580 Operatives**





# The Scheme – Success

## IMPORTANT INFORMATION

### NOTIFICATION OF COMPLETED MAINTENANCE FOR YOUR BIOMASS APPLIANCE

This is confirmation of the registration of PPM (Planned Preventative Maintenance) to meet MCS Standard 040 has been completed by the named business registered on the HETAS Approved Biomass Maintenance Scheme. Please keep this record safe as this may be requested as evidence to comply with Regulation 40; The Domestic Renewable Heat Incentive Scheme and Renewable Heat Incentive Scheme (Amendment) Regulations 2022.

This notification has been received successfully by HETAS; details are shown below.

Your Reference : 1338473  
Appliance Item(s) Maintained : Windhager UK - FireWIN Klassik and Exklusiv 090  
Appliance Maintained by : Jack Sparrow  
Registered Business Name : HETAS Test Business 02

#### Further Details

Maintenance Work Completion Date : 4th May 2022  
Address : 12-14, THE GARDENS, ERDINGTON, BIRMINGHAM, WEST MIDLANDS, B23 6AG  
MCS Certificate Number : N/A  
RHI Number : N/A

Need to know more?  
[Visit our website](#)

**RHI Number key identifier along with site address  
HETAS share notification data with Ofgem**

- **Over 10,700 Maintenance activities completed on Non Domestic boilers**
- **85% of all Large & Medium ND boiler maintenance completed within 12 months**
- **Over 150 different boiler manufacturer types serviced**

# Findings

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- The scheme, and particularly notifications, has given an insight into the industry from a 'boiler support' perspective.
- It was recognised that the current skilled workforce operating on biomass plant is limited
- Whilst over 150 Boiler manufacturer types have been maintained, only around 50% have operatives awarded with manufacturer training.
- Business compliance to the scheme and standard is high, with recognised good knowledge
- Around 9.5% of sites observed through audits have identified a compliance issue (may or may not have affected performance)



# Progression & Future

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- **Continue to Communicate –to create awareness with potential businesses and NDRHI recipients**
- **Engage ND RHI participants to fully understand their appliances and systems**
- **Finding of the KIWA report 3.4.3 ‘Lack of operator knowledge and boiler maintenance’**
- **Continue to engage MCS to review the standard**
- **To continue to analyse the findings through our notifications & auditing**
- **To improve and build on the existing Biomass workforce**
- **Mandatory Flue Gas Analysis & set nominal combustion ranges?**

# Contact

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**Website: <https://www.hetas.co.uk/>**

**Thank you for your time!**

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environment

