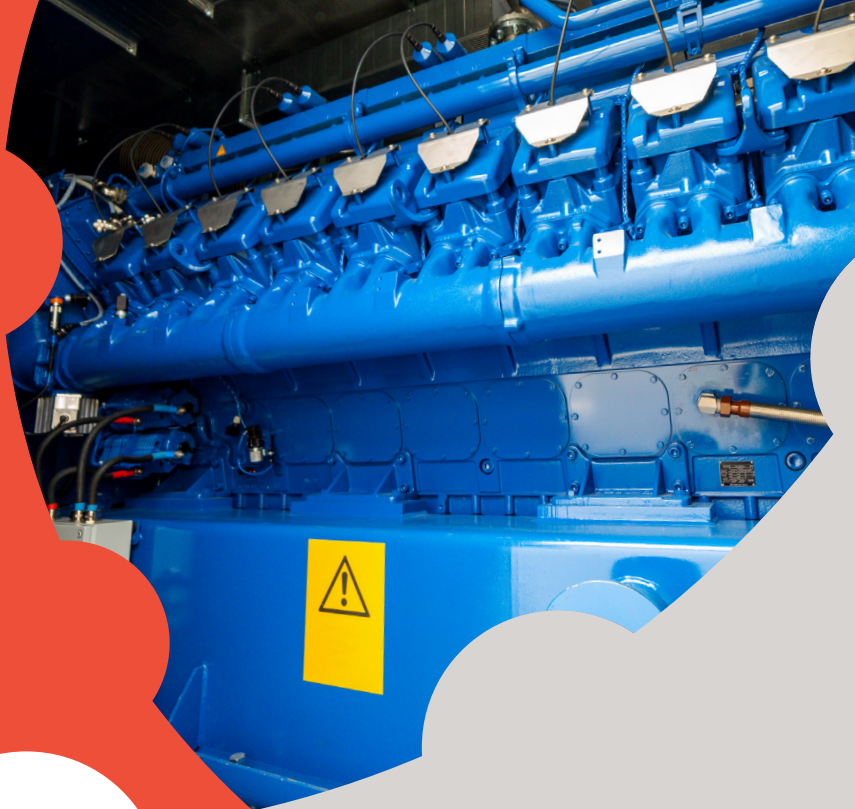


# Combined Heat & Power (CHP)

Take your heating and chilling system to the next level...



## About Calibrate

Calibrate are a leading provider of intelligent, low cost 'hands off' heating and chilling systems designed to provide maximum energy and cost savings for your business. We are recognised in the industry as pioneers of the most technologically advanced heat/chill systems and energy generating solutions.

## About CHP Systems

A CHP system uses a single fuel source to produce power and heat. The engine generates power which is converted into usable electricity, whilst heat is simultaneously recovered from the exhaust to be used for a variety of applications, making it highly efficient.

100 CHPs  
installed with  
partners UK-  
wide

Add-on to  
existing  
renewables

Runs on  
mains or  
natural gas -  
no woodchip!

Integrates  
with hydrogen  
and batteries

Compatible with  
grid-balancing  
technology

Replaces labour  
intensive  
biomass CHP

Free  
heat to  
85°C

Benefit from  
additional  
income

Reduce  
electricity  
costs

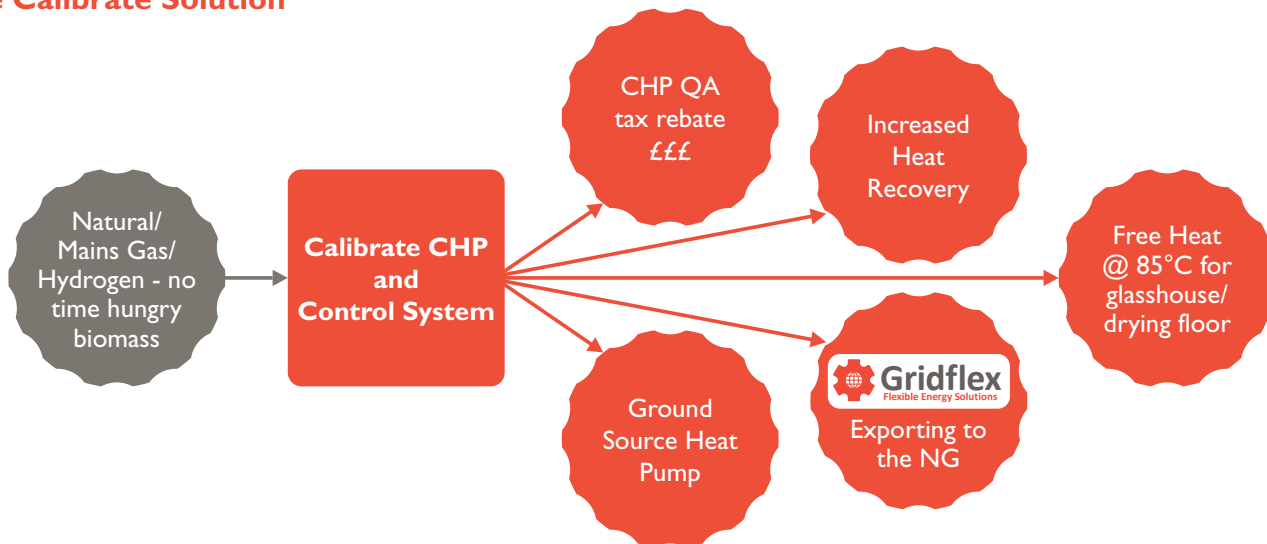
20 year  
Warranty and  
Service Plan

All formulas and calculations are derived from industry suppliers and MCS guidelines, it is advisable to have the calculations and formulas checked by a certified mechanical engineer, and as such, Calibrate Inc. Ltd (Company # 08277206) will not be held liable for any incorrect formulas or calculations or any accidental misrepresentation.



**Calibrate**  
Energy Engineering

## The Calibrate Solution



### Why Choose a Calibrate System?

- It is easily integrated into existing systems or as a new install
- A CHP tax rebate could be available e.g. 100kW = up to £5000 per annum
- It increases drying and growing capacity for increased profit
- Gas CHP systems require less maintenance than biomass CHP systems
- Increased heat recovery e.g. free waste heat from your glasshouse/drying store
- Our solution operates from mains gas or propane, less labour intensive than biomass CHP
- Produces electricity, then through our bespoke control interface, **Gridflex** will balance your electrical usage to either use on site or export to the National Grid for maximum financial return
- Dependant on electricity use, the Return On Investment (ROI) is 3 - 5 years
- Electricity purchased at 16 p per kW from the Grid will be replaced by electricity from the CHP, generated at 4 - 9kW
- Minimal disruption onsite during the install via a modularised container solution
- It reduces reliance on fossil fuels by 80 - 100% lowering your carbon footprint
- We will support you with paperwork and planning permission
- We offer a 20 year warranty for peace of mind.

**Calibrate is very much focused on helping commercial businesses to meet the UK Government's goal to reach net zero carbon emissions by 2050 for a more sustainable future. It will be "all hands to the pump" to deliver this.**

#### For more information contact:

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**Calibrate**  
Energy Engineering

Design | Install | Maintain