

Combined Heat & Power (CHP)

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



About Calibrate

Calibrate Energy Engineering are multiple award-winning designers, installers and maintainers of commercial heating, chilling and electricity generating solutions for energy intensive industries.

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

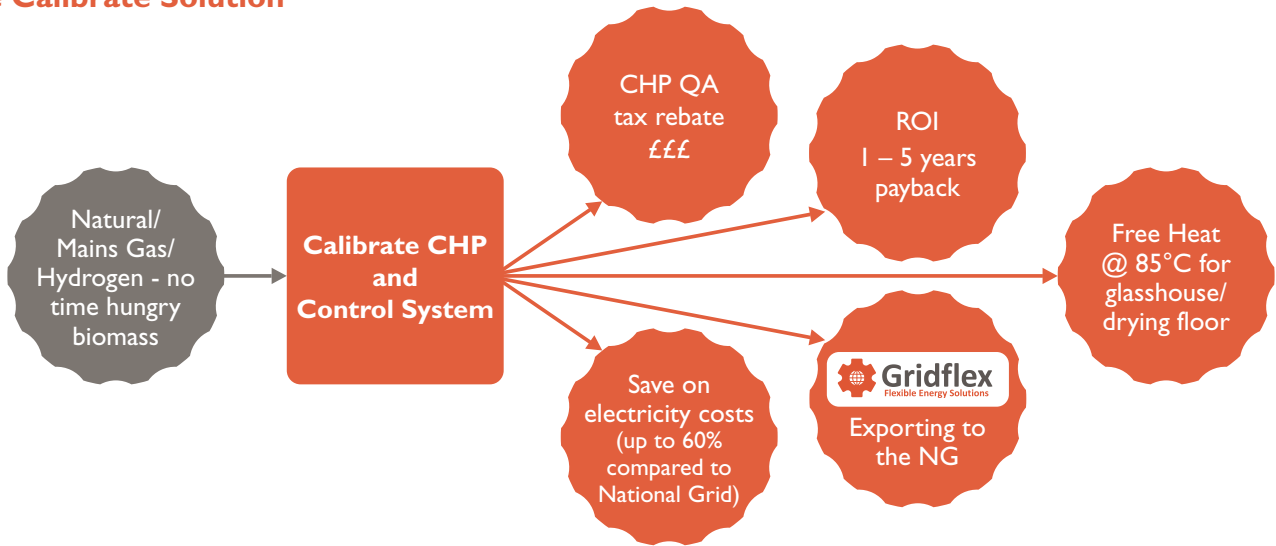
16 year Warranty and Service Plan

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 capacity for increased profit
- Gas CHP systems require less maintenance than biomass CHP systems
- Increased heat recovery e.g. free waste heat from your process
- 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 (NG) for maximum financial return
- Dependant on electricity use, the Return On Investment (ROI) is 1 - 5 years
- Electricity purchased at 16 p per kW from the Grid will be replaced by electricity from the CHP, generated at 4 - 9p
- 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 16 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:

jack@calibrateltd.co.uk / 07719 330 616



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Design | Install | Maintain