

Combined Heat & Power (CHP)

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



About CHP Systems

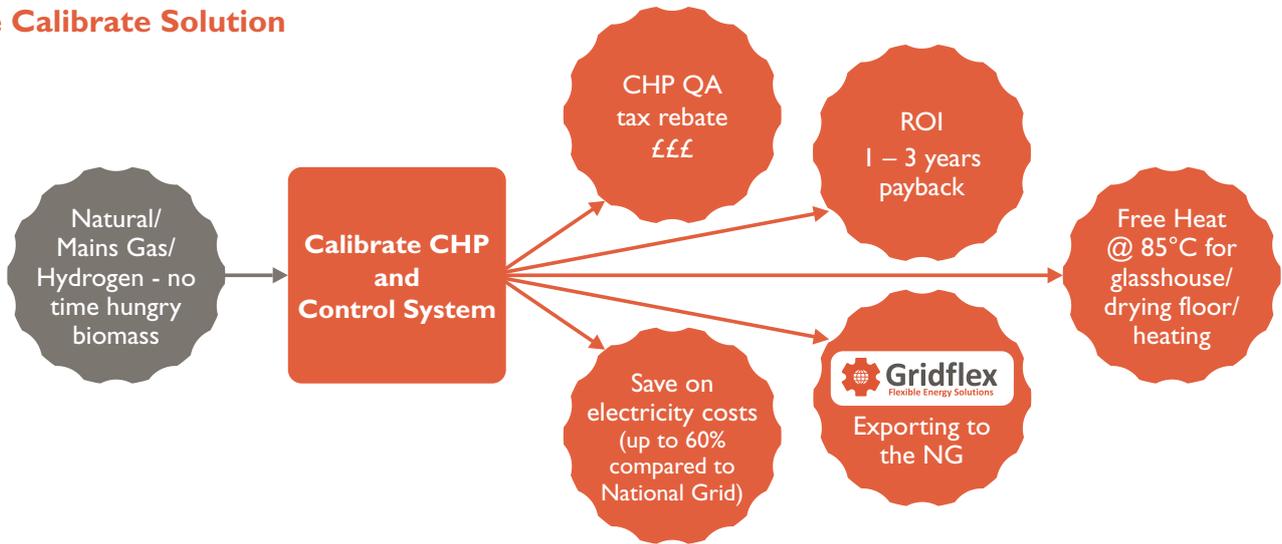
A CHP system uses a single fuel source to produce power and heat. The engine generates power which is converted into usable electricity, whilst heat is simultaneously recovered from the engine and exhaust to be used for a variety of applications, making it highly efficient.

Calibrate Energy Engineering has installed over 100 CHP's with partners UK-wide.



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 can eliminate your heating bills, increase your drying capacity or generate another income
- 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, propane or hydrogen, 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 - 3 years
- Electricity purchased at 50p per kW from the Grid will be replaced by electricity from the CHP, generated at 8 - 26p
- Minimal disruption onsite during the install via a modularised container solution
- Can reduce 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 maintenance and warranty for peace of mind.



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.



For more information contact:

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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.



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Design | Install | Maintain