

Improve operational efficiency, reduce  
energy bills and increase business resilience



Combined Heat and Power

## **Greater Resilience**

**CHP will help you to take greater control of your energy, significantly reducing the risk of disruption to ensure continuous business operation.**

## **Increased Efficiency**

**Improve operational efficiency, reduce your energy consumption and your business emissions.**

## **Reduces costs**

**CHP can help you to reduce your energy costs by as much as 40%.**

## Power to Control Your Own Energy

The energy landscape is changing rapidly. Greater demand, spiralling costs and increasing pressure on the grid mean that businesses need to implement an alternative energy source – one that gives you the power to control your own energy. Ideally, that source would offer you a secure, flexible energy supply, be cost-effective and easy to manage, and give real-time knowledge and insight into your individual usage. And with increasingly stringent emissions targets, you need a solution that can help you meet compliance regulations too.

## About CHP

Combined heat and power (CHP) is a highly efficient process that captures and utilises the heat that is a by-product of the electricity generation process. By generating heat and power simultaneously, CHP can reduce carbon emissions by up to 30% compared to the separate means of conventional generation via a boiler and power station.

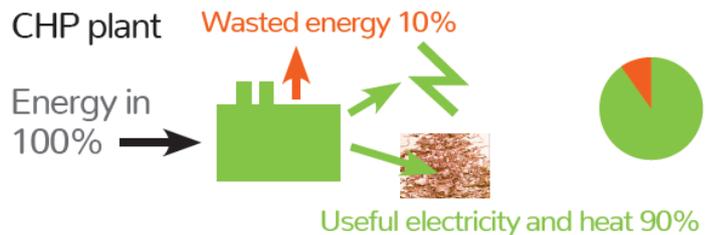
The heat generated during this process is supplied to an appropriately matched heat demand that would otherwise be met by a conventional boiler. CHP systems are highly efficient, making use of the heat which would otherwise be wasted when generating electrical or mechanical power.

This allows heat requirements to be met that would otherwise require additional fuel to be burnt. For many organisations, CHP is the measure that offers the most significant single opportunity to reduce energy costs and to improve environmental performance with existing users of CHP typically saving around 20-25% of their energy costs.

### Conventional power plant



### CHP plant



## The benefits for your business

- Reduces energy costs by up to 40%
- Reduces energy consumption and emissions
- Provides a stable and resilient energy supply
- Capital payback is in 3-5 years
- CHP plant life span of up to 15 years
- Supports your compliance efforts
- A variety of financing options available
- Peace of mind with fully comprehensive operation and maintenance services

## Is CHP Right for Your Business

CHP is ideal for any business looking to reduce energy usage, lower carbon emissions and optimise their energy consumption:

- All industrial sectors...Paper, Chemicals, Refineries, Food & Drink, etc
- Commercial Applications
  - Care homes
  - Hotels
  - Leisure Centres
  - Hotels
  - Offices
- Community/District Heating
  - Small community schemes (Residential buildings)
  - Medium community schemes (mixed public, commercial and residential buildings)
  - City Wide DH Schemes (including industrial sites)

CHP is particularly effective for businesses who:



**Are operational for a minimum of 15 hrs/day**



**Need power, as well as heat or cooling**

## Why Optimeyes?

We work with you to help you turn energy from a spiralling cost and potential business risk, into a source of sustainable competitive advantage. Combining our extensive experience in energy solutions with our funding options and tailored system designs, our experienced team can provide the right energy solution for any business.

Our fully funded model also means you can have a solution that has an immediate positive impact on your company's finances. We are at the forefront of changing how businesses use energy, so you have the reassurance of our extensive industry experience, knowledge and a world-class operation.



### Want to find out more?

Find out how we can help to power your business to new levels of performance today.

optimeyes.me  
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