

Power to deliver savings

The power of cogeneration is helping one UK supermarket to save energy costs and achieve its carbon reduction goals.



We're helping one of Britain's leading retailers achieve its energy and cost-saving goals, with ENER-G Combined Heat and Power (CHP) systems tailored to its stores. Rolled out at 59 sites, the systems have already saved the company approximately £1.28M a year on energy costs and cut CO₂ emissions by 8,100 tonnes a year.

The switch to ENER-G CHP has not only saved costs, it's also given the retailer greater control over its power and more resilience in its energy supply. After the systems were installed, many stores started to see a return on investment within three years, with average savings of £24,000 a year, after maintenance costs.

Our solution

The ENER-G CHP systems are up to twice as efficient as traditional generation and capture the heat created in the generation process to provide low-cost heating and hot water. It's a win-win. They can run on any fuel, including renewable biogas and propane.

The results

Because no two stores are the same, we started with a feasibility study at each site, taking account of local needs and restrictions, such as space and layout.

We designed bespoke CHP solutions to fit, ranging from large 230kW units located outdoors, to micro-generators built into a small internal room. We also developed bespoke maintenance contracts with constant monitoring to ensure that targets are met.



Store rollout



Money saved per year, approximately



Tonnes of CO₂ saved per year



Average savings per store, per year, after maintenance



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Why choose ENER-G CHP?

It can help companies in the retail sector to achieve a wide range of financial, environmental and business goals. It can help you to:

- Reduce your spend on energy
- Improve your supply of low cost heat and hot water
- Meet your carbon reduction commitment
- Avoid the Climate Change Levy
- Increase your energy security and resilience
- VAT savings