

# Prominent UK bakery slashes emissions

Centrica Business Solutions helps one of Europe's largest bakery plants to save 1,000 tonnes of CO<sub>2</sub> emissions annually with a combined heat and power unit.



## Leading the way with sustainability

Producing more than two million products every day, this UK bakery places great emphasis on sustainability. So when it started making plans to open one of Europe's largest plants, it wanted to ensure the bakery operated in the most energy efficient manner possible.

## Taking control of energy

The bakery worked with Centrica Business Solutions to install a 1MWe Combined Heat and Power (CHP) unit from its latest range of the most electrically efficient units. Through this installation, electricity is produced at low-voltage, then increased to a high-voltage for connection to the site's 11KV ring main.

Exhaust gases from the engine are used to generate the site's base steam load requirements, and hot water is recovered from the engine, stored, then re-used by other equipment on the site.

Centrica Business Solutions also provides a ten-year maintenance contract to ensure the CHP unit continues to run efficiently.

## The results

The CHP unit is helping the new plant to save 1,000 tonnes of carbon emissions annually. Energy costs will be reduced by approximately £400,000 per year, allowing the company to pay for the warranty-backed unit in around three years.

"We were impressed by the technical innovation Centrica Business Solutions showed. They gave us complete peace of mind, carrying out detailed site evaluations and managing a full installation. We now have plans to work on similar projects at four other sites," explains the bakery's Sustainability Manager.

Centrica Business Solutions is now working with the company on several projects across its portfolio of bakeries, enabling it to be at the forefront of environmental leadership within the food industry.



Tonnes of CO<sub>2</sub>  
saved annually



New CHP unit  
installed



Energy savings  
annually

“

Centrica Business Solutions has been powering the food and beverage industry for more than 30 years. That puts us in a great position to be able to help large organisations to take control of their energy production so that demand for heat and electricity is never a concern again.”

**Paul Doherty, Head of Solution Sales for food and beverages,  
Centrica Business Solutions**

## Why

Centrica Business Solutions' combined heat and power units:

- Stabilises energy costs over a fixed period
- Pays for itself through savings within three years
- Improves environmental performance
- Helps generate power independently to meet demand