

Supermarket

case study

Smart Energy Solutions for Supermarket Retail Kitchens

Our client aimed to reduce energy consumption across their sites to meet their environmental goals and lower emissions. They sought out technologies that could improve kitchens ventilation efficiency and reduce their fans consumption.

Installing new technologies can often come with high upfront costs and long return on investment. However, our Cheetah system can seamlessly integrate with existing EC fans or Inverter drives making it more cost effective and in turn provide a short payback period in under two years.

Within just one month from installation, our data already looked promising, saving more than we initially projected improving our client's payback period to one year. Now fast forward to today, we've continuously been optimizing the system remotely, working closely with chefs and the maintenance team to maximize energy savings, enhance kitchen air quality, and improve temperature control.

26,000 kWh*kWh saved per year***5,800** kg*CO2 saved per year***£6,500***Pounds saved per year***69.5%***Reduction in fans energy consumption*

Challenge

Supermarket retail kitchens operate in fast-paced environments where energy consumption is high, and efficiency is critical. Their fans consume large amounts of energy, with ventilation often running at full capacity, wasting electricity. Without demand control ventilation, businesses face higher emissions, maintenance costs, and inefficiencies.



Results

After installing Cheetah, on average, we reduced our clients' kitchens fans by **69.5%**. From our data, this allows us to project annual savings of **26,000 kWh**, **5,800 kg** of CO2 and **£6,500** with a payback period of 1 year.

We've gone on to install Cheetah into other major UK supermarket retail brands such as Tesco, Asda and Sainsbury's.