

# LEADING SUPERMARKET LEADS THE WAY IN REDUCING CARBON EMISSIONS



Partnering with iVolt, Morrisons was able to significantly reduce its carbon footprint and energy costs by optimising voltage, resulting in substantial savings and environmental benefits.



Morrisons, a major UK supermarket chain, recognised the importance of reducing their environmental impact and cutting energy costs. To achieve this, they partnered with iVolt, a leading energy-saving company, to trial dynamic voltage optimisation systems in a number of their stores.

iVolt's solid-state dynamic voltage optimisation solution stabilises the incoming voltage supply to electrical equipment, reducing energy usage while maintaining optimal equipment performance. This advanced technology offers several advantages over traditional voltage optimisation systems, such as faster response times, no maintenance requirements and the ability to operate with a wider range of loads.

The trial installation of iVolt's dynamic voltage optimisation systems at Morrisons' stores produced remarkable results. Morrisons has achieved a reduction in their carbon footprint by over 1,800 tons, which is equivalent to taking more than 380 cars off the road for a year. Additionally, they achieved an average energy cost saving of nearly 5% across their trial stores.

Due to the success of the trial, iVolt was awarded additional contracts to install their dynamic voltage optimisation systems in more Morrisons stores. iVolt's dynamic systems are an effective and innovative way for businesses to reduce energy consumption and carbon emissions while simultaneously cutting costs.

at a glance

## MORRISONS SUPERMARKET



**3,341,303**  
TOTAL ENERGY  
SAVED (kWh)



**Various**  
iVOLT SIZE



**03/2011**  
ONWARDS  
INSTALL DATE



**31.2**  
AVERAGE ROI  
(MONTHS)



**488,966**  
CO<sub>2</sub> EMISSIONS  
REDUCED (kg)



**4.81**  
ENERGY  
SAVED (%)



INFORMATION CORRECT AS OF 15/03/2023



Another innovative technology offered to Morrisons was iVolt's Intelligent Real-Time (IRT) Energy Monitor. This monitor provides real-time data on a business's energy usage, allowing them to identify opportunities to improve energy efficiency and cut costs. The IRT Energy Monitor also allows businesses to track their energy usage remotely, enabling them to monitor and optimise their energy consumption across multiple sites.

Morrisons' partnership with iVolt has yielded significant environmental and financial benefits. The implementation of iVolt's voltage optimisation systems has demonstrated the potential of innovative technologies to drive down energy costs and carbon emissions. The solid-state dynamic solution and the IRT Energy Monitor are just two examples of how iVolt is helping businesses to achieve their energy efficiency goals. As more

businesses prioritize sustainability, we can expect to see a growing demand for these types of energy-saving solutions.

*We installed iVolt units in a number of stores and were pleased with the resulting reduction in carbon emissions. The applicable stores have seen a reduction in energy usage and we're hoping to see these savings replicated as we roll out across more stores.*

*Stuart Kirk  
Head of Energy at Morrisons  
Supermarkets plc*

### For more information on iVolt:

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The iVolt® was designed in the UK and production takes place at its facility near Heathrow Airport. The company is part of the global Sollatek group and is accredited to ISO9001:2015

iVolt® offer a vast range of product sizes, ranging from 63A to 3,000A and above in both single and three phase, with a number of installations having been completed throughout the commercial, retail, manufacturing, leisure and public sectors.

**iVolt**<sup>®</sup>  
Intelligent Power Optimisation