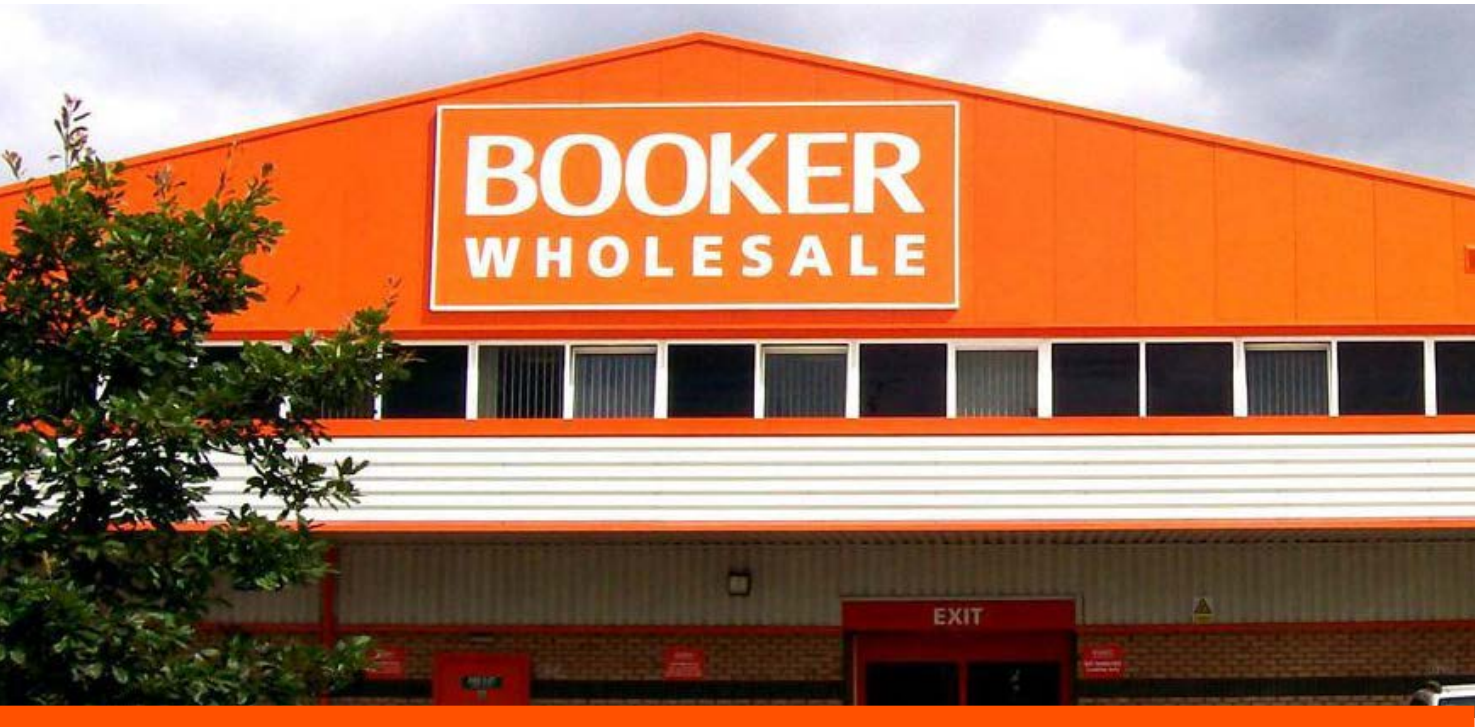


# BOOKER'S COMMITMENT TO ENERGY EFFICIENCY & SUSTAINABILITY



Booker is a leading retail chain with over 120 stores in the United Kingdom. To combat escalating energy consumption and costs, Booker implemented iVolts across their entire network as part of their commitment to sustainability.

## BOOKER

iVolt is designed to continuously monitor and adjust the voltage supplied to the store's electrical equipment and appliances, ensuring they were operating at optimal levels. An extensive site survey was conducted of every site to ascertain the electrical load and voltage profile, so each store received an iVolt sized according to their precise needs. iVolt's IRT allows remote monitoring and performance tracking of the systems to verify the energy savings – all live and online via a secure portal.

iVolt rolled out the VO project in phases over several years, and the results have been significant. To date, the company has seen an average of 6.64% reduction in energy consumption, resulting in savings of over 45M kWh and sizeable financial savings. Additionally,

the reduction in energy consumption has resulted in a nearly 250,000 metric tons reduction in CO<sub>2</sub> emissions aligning with the company's sustainability goals.

Additional voltage optimisation benefits seen by Booker stores:

- Increased the lifespan of electrical equipment by reducing the heat generated by the electrical system
- Improved power factor, which resulted in lower demand charges on the company's electricity bill

The voltage optimisation project at Booker stores has been a major success. The iVolt has resulted in significant energy savings and

at a glance

## BOOKER WHOLESALE STORES



**457,720**  
TOTAL ENERGY  
SAVED (MWh)



**Various**  
IVOLT SIZE



**08/12/2011**  
ONWARDS  
INSTALL DATE



**31**  
AVERAGE ROI  
(MONTHS)



**248,084**  
CO<sub>2</sub> EMISSIONS  
REDUCED (tonne)



**6.64**  
ENERGY  
SAVED (%)

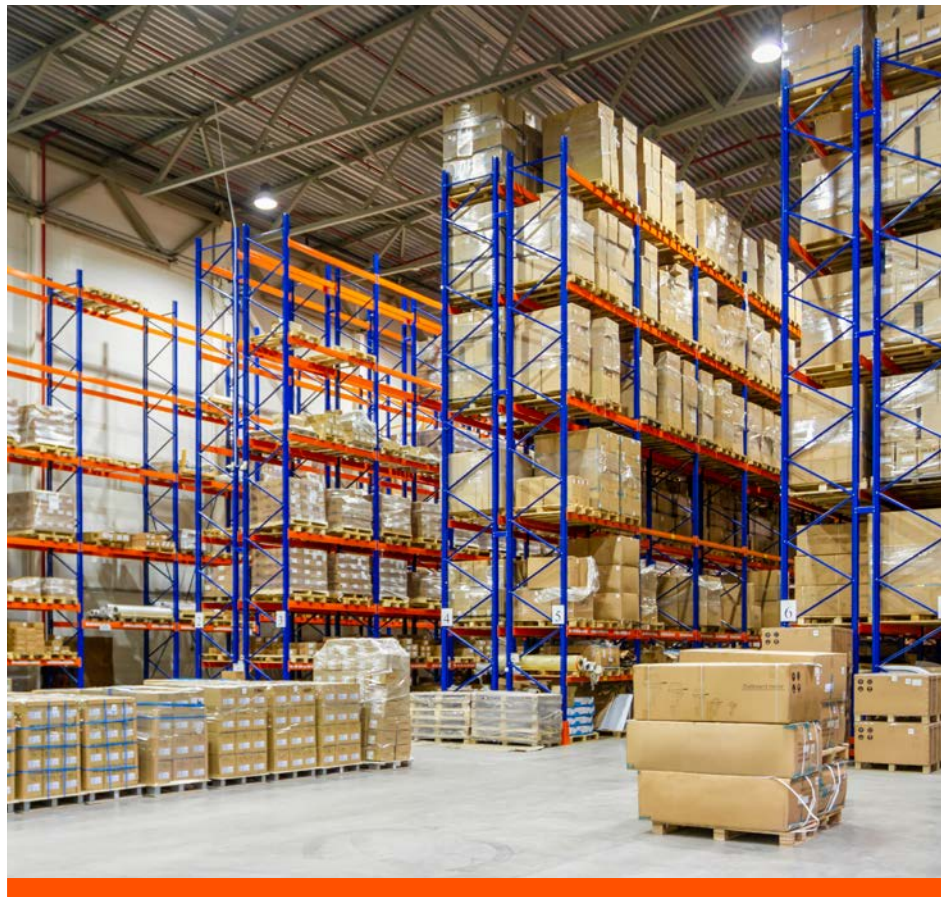


INFORMATION CORRECT AS OF 20/02/2023

a reduction in CO<sub>2</sub> emissions, helping the company achieve the Carbon Trust Carbon Emission standard for 12 years while also providing financial benefits for the company. The project serves as a best practice example of how iVolt can be effectively implemented to improve the energy efficiency and sustainability of a retail business.

*The iVolt units achieved their projected savings in a faster than expected time scale and continue to provide savings to this date. Throughout the length of the contract iVolt have supported Booker with maintenance and upgrades as required.*

*Paul Brown  
Booker*



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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®**  
Intelligent Power Optimisation