

THE CO-OP CONTINUES TO IMPROVE THEIR GREEN CREDENTIALS



After a detailed site survey, iVolt calculated and projected that with the then load, savings of between 6-7% could be achieved. In the first two years of operation the site enjoyed a reduction of nearly 200,000kWh.



The Co-op chose iVolt to improve the energy efficiency of its Regional Distribution Centre (RDC) at Cardinal Way, Cambridge. iVolt's intelligent voltage optimisation technology was fitted in January 2014. The Co-op was impressed by iVolt's unique IRT Energy Monitor which accurately measures and records the performance of the unit through its patented on-board system. With the optional cloud based secure portal, the Co-op's Energy & Engineering team is able to monitor the savings of the site in kWh/£/CO₂ from anywhere in the world.

Energy usage at the RDC was approximately 2,770,000kWh per annum before the iVolt 800A/528kVa unit was installed. After a detailed site survey, iVolt calculated and projected that

with the then load, savings of between 6-7% could be achieved. In the first two years of operation the site enjoyed a reduction of nearly 200,000kWh; in-line with iVolt's projections.

The iVolt differs from other voltage optimisation systems by offering a patented Intelligent Real Time (IRT) Energy Monitor. This groundbreaking device, which is integrated into every unit, enables the team at the Co-op to track their savings instantly and accurately. As well as being used to educate staff about their energy usage, the data the IRT monitor provides enables the team to confidently predict a site's return on investment. As a variable reduction system, the iVolt also allowed for up to 30% greater savings than fixed reduction units.

at a glance

CO-OP REGIONAL DISTRIBUTION CENTRE, CAMBRIDGE



360,284
TOTAL ENERGY
SAVED (kWh)



3x800A
IVOLT SIZE



18/01/2014
INSTALL DATE



27
ROI ACHIEVED
(MONTHS)



195,274
CO₂ EMISSIONS
REDUCED (kg)



2.89
ENERGY
SAVED (%)



With the Co-op's having invested significantly more in sustainable, ethical and alternative green energies since its installation, the iVolt continues to not only save money but also further enhances the environmental friendliness and energy efficiency image of the company.

The iVolt is very much in line with the Co-op's policy of saving the business money, improving energy efficiency in an ethical and sustainable way.

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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 ISO9001:2008

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