

Gatwick Airport – South Terminal is now far greener.

Thanks to iVolt's ground breaking technology fitted to the site Gatwick Airports Ltd (GAL) are now enjoying a reduction on Carbon output of 147.9 metric tonnes.

The project was undertaken as part of a LV upgrade and was completed in December 2012. It consisted of 2 x 800A/528 kVA units installed on C1 & C2 sections of the South Terminal. C1 & C2 has an annual consumption of 3,597,000 kWh. The savings on C1 are averaging 11.1% and the savings on C2 are averaging 9.6%. In total over 10% reduction in kWh consumption is being seen which represents savings of over £35,000 per annum.

“The two iVolt 800A/528 kVa units have been in for over a year now and have run faultlessly”

Construction Terminal Projects Team at GAL

Electrical equipment is designed to operate most efficiently at 220V, the average UK voltage is 242V. Produced in Britain, the iVolt® is a highly advanced voltage optimisation (VO) unit that lowers a

building's incoming power supply to the most efficient level - reducing power consumption, electricity bills and carbon emissions by up to 20%. Unlike any other VO systems in production, the iVolt features patent-pending technology that enables users to see the savings they are making directly through voltage optimisation, at any given time. This Intelligent Real Time Energy Monitor is an industry first.

It's the one thing other VO providers can't do – and until now has been the only downside of what is fast being recognised as one of the most cost-effective ways of dramatically cutting energy use and carbon emissions.

The iVolt system works by adjusting the incoming voltage to ensure that the output is always fixed on 220V (+/- 1.5%) - the level at which electrical equipment is designed to work best. It reduces energy use by up to 20% and can save up to 30% more than fixed voltage reduction products. It even boasts advantages over intelligent/variable systems, none of which enable clients to see their return on investment with accuracy, or in such a short space of time.

AT A GLANCE...

PROJECT / CUSTOMER
Gatwick Airport (South Terminal)

DATE OF INSTALL
Dec 2012

ANNUAL CONSUMPTION
1,633,313 (1) kWh
& 1,963,771 (2) kWh

IVOLT UNIT SIZE
2 X IVO3x800-12-2

ENERGY SAVING
8.95% (1) & 9.46% (2)

CO2 EMISSIONS REDUCTION
65.1 (1) & 82.8 (2) metric tonnes

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

FOR MORE INFORMATION ON IVOLT:

T: 0845 075 8580
E: info@ivoltsystems.co.uk
W: www.ivoltsystems.co.uk

We don't predict energy savings at iVolt
- we PROVE them*

iVolt[®]
Intelligent Power Optimisation

"One of 30 British businesses with world class potential"
The Daily Telegraph



*And we're the only voltage optimisation manufacturer who can ...



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