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 ...

www.ivoltsystems.co.uk

Tomorrow's FM Product & Services Awards WINNER 2013

HSBC

SHORTLISTED FOR HSBC GLOBAL CONNECTIONS AWARD

ESPO VOICE Voltage Optimisation Industry Council for Excellence

ENDS GREEN ECONOMY awards 2013 FINALIST

safecontractor APPROVED

GREEN APPLE AWARD WINNER 2012

BCU - making cuts.... in CO_2 emissions with iVolt

As part of their carbon reduction target, Birmingham City University are set to make a significant cut in CO_2 emissions, by implementing iVolt's award winning voltage stabilisation technology.

Jonathan Hammond, Carbon and Energy Reduction Manager at Birmingham City University, contacted iVolt in the winter of 2013 following a decision by the university to set an ambitious CO_2 emissions reduction target of 48% by 2020, compared with a baseline from 2005.

In addition to investing heavily in the construction of a brand new state-of-the-art City Centre Campus in the Heart of Birmingham's Eastside Complex, BCU have taken steps to reduce energy use and cut CO_2 Emissions throughout the existing building stock.

Following in depth surveys across the University's estate, iVolt were able to demonstrate in detail, how a number of the buildings would benefit from implementing iVolt's award winning Voltage Stabiliser. Using solid state technology, the iVolt monitors the incoming voltage, and provides a stable output voltage, usually at 220Volts. At this level of voltage, most equipment will see a reduction in energy consumed, and improved service life. In addition to this, the iVolt uses a patented IRT™ energy monitor, which gives the university full remote savings verification, visibility and control of their estate.

Implementation of the technology commenced in July 2014, starting with a 250Amp iVolt at the School of Jewellery, followed by another 250Amp unit at the School of Arts in March 2015. Energy savings directly attributed to the iVolt's stable, lower voltage at these two sites, currently average 9%, making for an ROI of 33.8%.

> **'iVolt were selected following a competitive tender based on its potential for savings, minimal maintenance, and high quality remote monitoring system. All the work undertaken was carried out professionally and to schedule.'**
>
> **Jonathan Hammond - Carbon and Energy Reduction Manager**

On the basis of the success of these projects, iVolt are currently carrying out further in depth analysis of other buildings, including the Seacole Building, as part of the University's ongoing pursuit to reduce energy consumption and cut carbon emissions. The iVolt once fitted has a minimum service life of 25 years, making for an excellent long term net savings at the University, which can trace its roots back to the Birmingham College of Art in 1843. The ongoing costs and maintenance requirements of the iVolt are virtually zero. With a full 15 year parts and labour warranty offered, and installations in Hospitals, Stations, and Airports, Birmingham City University with 22,500 students, can be confident of ongoing successful carbon reductions.

AT A GLANCE...

PROJECT / CUSTOMER:
Birmingham City University
School of Jewellery/ School of Arts

DATE OF INSTALL
July 2014 / March 2015

ANNUAL kWhr CONSUMPTION
863,767

IVOLT UNIT SIZE
2 x 250A

ENERGY SAVING
9%

EXPECTED RETURN ON INVESTMENT
33.8%

CO_2 EMISSIONS REDUCTION
(METRIC TONNES)
35.3

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:

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