

IVOLT HELPS BIRMINGHAM CITY UNIVERSITY ACHIEVE SUSTAINABILITY GOALS



iVolt's award-winning technology slashes over 100 tonnes of CO₂ emissions and achieves more than 10% energy savings.



Birmingham City University, with roots tracing back to the Birmingham College of Art in 1843, is a leading educational institution with over 25,000 students and 3,000 staff members. As part of their commitment to environmental sustainability, BCU set an ambitious carbon reduction target of 43% by 2020, compared to the 2005 baseline.

In 2013, Jonathan Hammond, BCU's Carbon and Energy Reduction Manager, contacted iVolt to help achieve this target. iVolt's award-winning dynamic voltage stabilisation technology was selected as part of BCU's carbon reduction strategy, alongside other measures such as the construction of a new state-of-the-art City Centre Campus in Birmingham's Eastside Complex.

After conducting in-depth surveys of BCU's estate, iVolt demonstrated how implementing their voltage stabiliser in several buildings could benefit the university. Using solid-state technology, the iVolt monitors the incoming voltage and provides a stable output voltage at 220 volts. This stable voltage reduces energy consumption and extends equipment service life. Additionally, iVolt's patented IRTTM energy monitor gives the university full remote savings verification, visibility, and control of their estate.

In July 2014, iVolt implemented a 250Amp unit at the School of Jewellery, followed by another 250Amp unit at the School of Arts in March 2015. These two installations have resulted in a reduction of over 100 tonnes of CO₂ emissions contributing to BCU exceeding their ambitious sustainability targets which drive them towards

at a glance

BIRMINGHAM CITY UNIVERSITY



706,915
TOTAL ENERGY
SAVED (kWh)



3x250A
iVOLT SIZE (x2)



**07/2014,
03/2015**
INSTALL DATE



33.8
ROI ACHIEVED
(MONTHS)



103,449
CO₂ EMISSIONS
REDUCED (kg)



10.9
ENERGY
SAVED (%)



INFORMATION CORRECT AS OF 02/03/2023



achieving their Net Zero Carbon Commitment by 2030. The iVolt has delivered energy savings of more than 10%, leading to substantial cost savings that have been reinvested in the community and the university.

Once installed, the iVolt has a minimum service life of 25 years with virtually zero ongoing costs and maintenance requirements. iVolt offers a 15-year parts and labour warranty* and has successful installations in hospitals, stations, and airports. BCU can be confident of ongoing successful carbon reductions with iVolt's technology, as they continue their commitment to environmental sustainability.

iVolt were selected following a competitive tender based on its potential for savings, minimal maintenance and high-quality remote monitoring system. All the work was carried out professionally and to schedule.

*Jonathan Hammond
Carbon & Energy Reduction Manager*

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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