

IVOLT EXCEEDS PROPOSED SAVINGS AT EDINBURGH COLLEGE CAMPUSES



With only one campus selected for IRT, this site saved more than 642,000 kg of CO₂ and over £63,000 – Edinburgh College surpassed their anticipated goals in the first year.



Having set themselves an ambitious target to reduce CO₂ emissions by 250 metric tonnes over 3 years (2015-2018) as well as reducing their utility costs by up to 10% over the same period, Edinburgh College surpassed this goal in the first year following the installation of iVolt's unique technology. With only the Sighthill Campus selected for IRT, the college saved more than 642,00 kg of CO₂ and over £63,000.

Edinburgh College, whose TFM services are managed by ISS Facility Services, is set across 4 campuses – Granton, Midlothian, Milton Road and Sighthill – and offers higher and vocational education for Edinburgh, the Lothians and surrounding communities by providing a varied range of courses including music, performing arts, construction, hair, beauty and

contemporary therapies, electrical engineering with renewables, computing, business and languages. All 4 campuses have undergone significant refurbishment over the past few years; including the addition of one of the most advanced technology teaching centres in Scotland that features an Oil Production Platform Simulator at Midlothian Campus.

In 2014 contact was made by Sandy Clark, Head of Hard FM at ISS, to discuss the benefits of voltage stabilisation as a way to further reduce CO₂ and energy costs at the college campuses, as well as understand the processes that are undertaken by iVolt from initial contact to completion of a project. Following an explanation of the thorough engineering audit process and post evaluation validation

at a glance

SIGHTHILL CAMPUS, EDINBURGH COLLEGE



1,178,278
TOTAL ENERGY
SAVED (kWh)



3x1500A
IVOLT SIZE



30/05/2015
INSTALL DATE



22
ROI ACHIEVED
(MONTHS)



602,248
CO₂ EMISSIONS
REDUCED (kg)



9.09
ENERGY
SAVED (%)



iVolt were instructed to carry out surveys at each campus and provide a detailed proposal; this would include financial summary, projected kWh consumption reduction, energy saving and CO₂ emissions reduction along with a detailed schematic of each installation.

From the subsequent surveys 3 of the 4 campuses were identified that would benefit from installing voltage stabilisation; these were Granton, Midlothian and Sighthill. In March 2015 the 3 projects were approved by ISS and Edinburgh College, with Sighthill going ahead in May and Midlothian and Granton following in June. Utilising iVolt's IRT™ system and secure web based portal for accessing information, both Edinburgh College and ISS were able to measure and verify actual energy savings compared to the proposed ones; all in real time.

iVolt were selected as our preferred partner as we found they had the most thorough process for identifying and evaluating the savings across the sites. The work was completed to a very high standard. Would highly recommend using iVolt as a credible company for reducing electrical consumption in your building."

*Sandy Clark
Head of Hard FM*

Welcome to
Edinburgh
College
SIGHTHILL CAMPUS

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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