



powerPerfector Newsletter

OGC REPORT DECLARES pP UNIQUE

Issue 26

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DECC GET POWERPERFECTED.



Another agency installs the only technology designed to SAFELY and SECURELY Optimise Voltage. DECC have joined DFID, Ofgem, Ofcom and Defra in placing powerPerfector at the core of their energy efficiency programmes.

Ed Milliband can now safely go about the business of promoting energy efficiency in the knowledge that having installed pP there will be no concerns regarding the integrity of his building's power supply!!

"The powerPerfector at 3 Whitehall Place is a CRITICAL part of our energy reduction strategy, and has helped us to maximise our efficiency and reduce our carbon emissions."
Jenny McInnes - Building DECC Team.

The new DECC case study is available to view on the website.

SUPERMARKET GIANTS MAKING MONSTER CUTS IN CO2



We have HISTORY !!

Tesco put the first powerPerfector designed for the UK market in their Cleveley Store in 2001 for a test - a very bold step that has proven inspirational.

The independent report completed by EA Technology in 2001 confirmed conservative savings of 10.4% from a 6% optimisation and that the technology was UNIQUE.

The scientist conducting the report, Russell Benstead, commented after the test that the technology was "Eureka" for the LV market.

Between that first unit in 2001 and the end of October this year 2009 Tesco will have installed over 600 units with 480 this year. Tesco have agreed we can confirm that these 480 units will deliver annual saving of 123.5 GWh which is £8.2 million in electricity

costs. This equates to a reduction of 5,300 tonnes of CO₂; based on 0.43kg CO₂ / kWh.

So congratulations Tesco for leading the way - its great working together.

16% SAVINGS AT THE NATIONAL MARITIME MUSEUM



The National Maritime Museum and Royal Observatory, Greenwich, have a collection of over 2 million objects about the sea, ships, astronomy and time, which, when not on display, have to be stored in a secure, atmospherically controlled storage facility.

Storing and preserving antiquities is an energy intensive business with site security at its core. powerPerfector have already Optimised several museums and the TATE's high security warehouse all of which have delivered high savings to our very exacting clients.

The 16% savings seen at NMM was therefore not a surprise given the type of energy use.

Our analysis shows that the consumption after installation is in the region of 16% lower than expected levels based on a comparison with consumption data for the previous year.

This equates to a projected annual emissions saving of approximately 10,000 kg of carbon dioxide.

ASSISTING THE NHS IN REACHING THEIR ENERGY REDUCTION TARGETS.



The first hospital in Scotland to be powerPerfected has become a reference point and an example of best practice.

Based in Clydebank, near Glasgow, the Golden Jubilee is Scotland's flagship hospital for reducing patient waiting times. They receive referrals from across the country in the specialties and services they provide. The hospital is home to the West of Scotland Heart and Lung Centre; a first-class facility that provides regional and national services. The team that instigated the powerPerfector project: - John O'Connell - Engineering and Facilities Manager, Paul Hogg Engineering Operations Manager and Davie Hodgson - Estates Officer and also included the involvement of the technicians around the hospital reviewing the benefits of pP to protect their vital equipment.

The first installation took place 28th August 2008 and the most recent one on 1st March 2009. We are currently halfway through the install program of units - 3

units installed (5x1500kVA & 1x1250kVA).

Monitoring of the savings is taking place through the programme and although only half the site has been powerPerfected so far, early indications are showing savings in line with the 10% predicted.

Although Salix funding was not required for the purchase and installation of pP at the Golden Jubilee the programme would have been eligible. If you are in the process of sourcing your funding for an energy efficiency programme it is well worth considering visiting the Salix Finance web site to find out if your project qualifies.

Salix Finance has over £51.5 million available in funding for energy saving projects for all public sector organisations in England. The funding programme was launched on the 10th of June 2009 by the Minister for Energy and Climate Change, Joan Ruddock MP, after the Budget Report allocated this additional financial assistance to improve energy efficiency in the public sector.

The loan is available for 80 different technologies with a minimum application amount of £5,000 with no upper limit. The loan is interest free and repayable over 4 years starting from March 2011.

Applications will be accepted up until the end of December 2009 or until available monies have been allocated, on a first come first served basis. The application form is available on The Salix Finance website which powerPerfector are more than happy to assist with.

The Application Form

BRINGING DINOSAURS TO LIFE ON DINOSUAR ISLAND



The Isle of Wight is the most important site for dinosaur remains in Europe and the site of the first purpose built dinosaur museum featuring many fossils and life size reconstructions of the Island's dinosaurs.

Though a new building with plenty of demand side energy efficiency the supply side needed Optimising.

[Press Release from Dinosaur Isle Museum](#)

A new energy saving device installed at Isle of Wight council's Dinosaur Isle museum is reducing monthly bills by 11% resulting in an annual saving of over £3,000. Voltage Optimisation Technology has been used to reduce the incoming electricity voltage from 245Volts to 220Volts with no reduction in quality or need to use plug adapters. The system installed in Dinosaur Isle is also expected to reduce carbon dioxide emissions by more than

13.5 tonnes each year. The system has been so effective both economically and environmentally, that Isle of Wight Council plans to install the system in more council buildings.

Peter Pusey, Manager of Dinosaur Isle

"Since the energy saving device was installed at Dinosaur Isle we have had to make no changes to the way we use the electricity, all our appliances and lighting systems work just like they used to. The only thing we have noticed is a reduction in our monthly energy bills, which is great news."

Clr Peter Bingham, Isle of Wight council cabinet member for resources.

"We are pleased to be able to install this technology which saves both money and carbon emissions. As part of our commitment to the eco-island vision we plan to install this technology in more council buildings following the success of the trial period at Dinosaur Isle."

A perfect place to take the kids large and small this summer.

FIRST POWERPERFECTED STADIUM



The Stobart Stadium Halton is a unique facility and is Halton Borough Council's flagship leisure, conference and sports facility and home to the Widnes Vikings and Everton FC reserves.

Optimising the energy off the pitch has been tasked to powerPerfactor and as our first Stadium we are delighted to be involved with this flagship venue.

2 x 350kVa powerPerfactor units with an 8% optimisation were installed on 15th April 2009.

The case study will be released on the website as soon as it becomes available.

POWERPERFECTOR APPOINTMENT



We are delighted to announce the appointment of Ismena Clout, Chair of the British Institute of Facilities Management London region, to her new position within powerPerfactor.

She has played an active role as a volunteer for the BIFM for three years, and was deputy chair of the London region for 18 months, before becoming chair.

She brings invaluable experience and insight to a focused team.

POWERPERFECTED HILTON HOSTING pP MASTERCLASS



As many of you will be heading off for a well earned break here are a couple of dates to add to your diary before you leave your desks.

We are co- sponsors of The Energy Event in Birmingham on the 9th and 10th of September at the Motorcycle Museum and can be found on stand 42, and on the 18th September we are holding our own Master Class at the powerPerfectored London Hilton Metropole, as usual this will be the full technical presentation with guest speaker (case study to be announced) followed by a networking lunch. As these workshops are always oversubscribed - please contact me ASAP for an invitation.

We would be delighted to welcome you to both events.

Registration for Energy Event

We may feel that we have had more rain than sun this summer but June's land and sea surface temperatures were the second hottest on record, and scientists are predicting this will be the warmest decade in recorded history. So, although it's not us, someone somewhere is bathed in sunshine and probably complaining about it..