



powerPerfector Newsletter

ENERGY EFFICIENCY IS THE NEW ENERGY

Issue 25

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The simple fact that an energy efficiency strategy is the quickest way to address some of our more pressing energy issues is now being grasped by government organisations and businesses throughout the UK. We all have to use less energy or more correctly, stop wasting what we have.

The savings that can be gained by wiping out energy waste are huge and offer the fastest solution to the impending CRC challenge.

What better way to reduce your carbon footprint than by investing in your own infrastructure and improving your bottom line. You don't need to be a big multinational for that to make financial sense.

Tom Delay, chief executive of the Carbon Trust

'Efficiency almost always ties in with savings and direct business benefits. Businesses now need to find a way to shore up profits that they are in control of - and efficiency is the best way of doing that'

The technology to achieve this is in the market now and should be forming the foundation of every energy efficiency programme going forward. If you haven't already factored in powerPerfector please read the case studies below and see why others have.

If funding energy efficiency initiatives is proving to be an issue it may be of interest that the Carbon Trust have recently amended their funding criteria as follows; "We have just announced some significant changes to the Energy-Efficiency loans scheme to encourage more businesses to invest in energy saving technology. The minimum loan amount has been lowered from £5,000 to £3,000, putting the loans within reach of micro-businesses; and the upper limit has been doubled from £200,000 to £400,000 to meet the needs of small and medium businesses with higher energy spends. " (source Carbon Trust)

Now, most importantly, ANY private company with an annual electricity spend of less than £500,000 is eligible for a Carbon Trust loan. The SME status is only required if the electricity spend exceeds this amount. So please give us a call as the Carbon Trust has loaned money to our clients to install and purchase our technology before and we will help you to apply for a loan.

ENVIRONMENTAL EXCELLENCE SPONSORED BY pP



powerPerfector will sponsor the award for Carbon Reduction at edie's Environmental Excellence Awards this year. The Awards for Environmental Excellence seek to recognise the important work being done in the UK and further a field. The awards are split into two distinct sections, those for work on environmental projects judged by an expert panel and those where the winners are chosen by those who know the consultancies the

best - their clients.

Winning one of these awards gives a company or project a touch of kudos which sets it apart from its peers, making it stand out from the crowd and even acting as a unique selling point. It also gives staff a justifiable feeling of pride if the quality of their work is recognised by those outside the company.

The edie awards received RSA accreditation which means winners can now go forward to enter the coveted European Business Awards for the Environment where they will compete with the best in Europe to be crowned continental champions.

Kimberley Webster,
powerPerfector,

"We all have a duty to assist in reducing carbon emissions; therefore we are delighted to be sponsoring the award that recognizes achievement in this important area. Bringing a spotlight to success with a respected award will lead to that knowledge being shared and hopefully replicated, this is positive for the UK as a whole."

[More details on the edie awards...](#)



OFGEM AND OFCOM POWERPERFECTED REGULATORS

Ofgem is the Office of the Gas and Electricity Markets. They protect consumers of gas and electricity by promoting competition and regulating the monopoly of companies that run the gas and electric networks. Working on 5 themes for energy sustainability, including energy efficiency, it is Ofgem's role to shape the future of electricity and gas supply in the UK. As a result, the importance for their internal efficiency of their energy usage is paramount.

Selecting the best technology in the market demonstrates their commitment to Best Practice.

[Kim Pivett, Head of Building Services, Ofgem](#) writes about the powerPerfector installations:

"As part of Ofgem's continuing commitment to reducing its impact on the environment two powerPerfector units were installed at its London premises in November 2008. They have now been operating for over 6 months and, from careful analysis of electricity

consumption, it is clear that an average reduction in usage of 9.1% has been achieved. This is equivalent to an annual CO2 saving of 165.7 tonnes. The savings in consumption and associated emissions are also going a long way towards helping us achieve our Sustainable Development Action Plan targets.

We are also delighted with the ancillary benefits of powerPerfector, particularly the protection it provides from transients, the extension of equipment life due to reduced strain and reduced kVA demand charges.

Quite apart from the physical positives we are very pleased with the professionalism shown by the powerPerfector team both before and after installation; their enthusiasm for the product, clear presentation of its benefits and full support during the installation itself was all gratefully received."

**Ofcom's landmark HQ, Riverside House in London is about to be optimised with the installation of four pP units.
BEST PRACTICE AT ANOTHER UK REGULATOR.**

MUSEUMS SAVING MORE THAN OUR HERITAGE



John Bull, Head of Estates North for the National Museum of Science and Industry.

"The National Railway Museum, founded in 1975 houses its collection of objects in 3 main halls with two ancillary buildings on the same site. Originally our main buildings were the York goods terminal, bonded warehouse and maintenance shed.

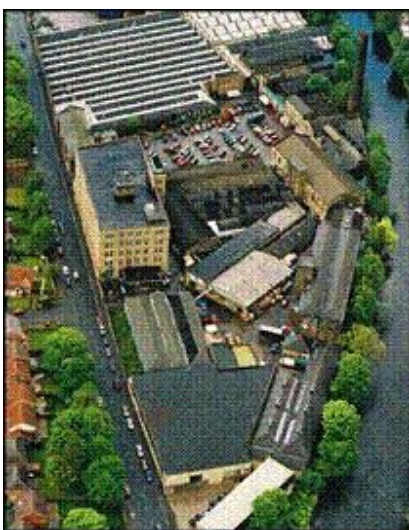
Electricity consumption has been rising steadily as new displays demand more dramatic lighting, interactives and audio-visual equipment. In addition, there are increasing demands for

improved environmental storage for objects not on display. The result was a 25% increase in electricity consumption over 2 years. As part of the NRM's drive to reduce its energy consumption, Voltage Power Optimization was evaluated and we decided to go ahead., and ordered a pP740kVa with a 9% optimisation and estimated savings forecast of 14% - a 19 month pay-back. In fact, we installed two units - a second one at our sister museum, the National Media Museum in Bradford.

The installation went absolutely according to plan. The NRM is open 362 days a year, so all the work had to be done out of hours and without any impact on our visitors. The unit has now been in operation for 6 months and is achieving the savings we counted on. We can see the steady upward trend in our electricity consumption has started to turn downwards.

PowerPerfector have been professional through and through. The installation went as planned, the savings they calculated are being delivered. All in all, an extremely successful project."

GREENER BESPOKE CARPETS



Calderdale Carpets were established in 1987 and form part of the Calder Group. They are market leaders in contemporary Axminster carpet for clients in hospitality, casinos and leisure. They pride themselves on creating bespoke solutions to design requirements for their clients.

The yarn is locally sourced and the quality Axminster carpet is manufactured in their factory in Dewsbury, West Yorkshire.

Greg Bedford, Managing Director, Calderdale Carpets Ltd

"With rising energy costs and the current economic climate, Best Practice through energy efficiency is pivotal in the drive to reduce financial strain. By introducing Voltage Optimisation technology into our business, we stand in good stead to eliminate energy waste and meet current carbon reduction legislation. Following careful consideration of different technologies available, Voltage Optimisation has proven to be the single, most reliable method of micro-managing our electricity supply at source. We are delighted with the savings delivered by powerPerfector and have achieved annual savings of over 555,000kWh and 237,400kg of CO2."

A pP 1250KVA / 1800A unit with 9% voltage optimisation was installed at the Calderdale Carpets site on 29th June 2008 and a

* 12.5% reduction in daily average consumption was achieved.

BEST PRACTICE AT OLD TRAFFORD



Over 100 guests attended our North West - Best Practice in Energy Efficiency Day.

Speakers included representatives from British Energy, The Green Party, Land Registry, Manchester United and Footprint Friends.

This was a fantastic opportunity to knowledge share and network with delegates who are

passionate about delivering tangible reductions in energy costs and CO2.

Although the temptation was great, the team refrained from a quick game on the sacred turf and restricted the photo call to the dug outs.

A big thank you to all our excellent speakers.

Please contact the Manchester Office for copies of the presentations.

London didn't miss out as we held our own Master Class at the powerPerfected Hilton Metropole in Edgware Road on Friday 19th.

Our thanks to Ken Carter of Eco Instruments who gave a presentation which included case studies from his experiences at Tesco's and Sainsbury's, during which he made some very salient points regarding savings which can often be over looked when planning an energy efficiency programme. Namely, the very important difference between Fixed and Variable. powerPerfector falls into the Fixed category - the technology is installed, your savings are established and fixed year on year, you fit and forget. Variable technology requires monitoring by a team that understands the energy efficiency programme, it can be susceptible to inconsistent maintenance which if un-monitored can effect the savings performance. Under funding in this area can undo all the good that the technology provided when first commissioned.

The next London Master Class will be on the 29th July, if you wish to be added to the invitee list, please send me an email.

CONTINUED GREAT SAVINGS AT ASDA

ASDA

Further to being powerPerfected the ASDA Carcroft store is the latest of this supermarket chain to have higher than average savings confirmed by independent analysis.

We are delighted to announce the completion of a programme to install a further 50 powerPerfector units into ASDA stores. Stores from Aberdeen to Yeovil and Cardiff to Llanelli to Dalgety Bay are now enjoying the benefits of powerPerfector. The savings achieved across the portfolio of sites has exceeded the performance levels agreed with ASDA and takes the total units installed to ASDA stores to more than 75.

Saving more than money every day.

BOURNE GREEN



Continuing our work with Bourne Leisure and their wonderful portfolio of beautiful hotels and spas. Bodelwyddan Hotel is one of the latest to be powerPerfected

This majestic Grade II castle is home to the National Portrait Gallery's Victorian Collection. It is set amid beautiful woodlands and sensory gardens, less than an hour from the Snowdonia National Park.

"The powerPerfector units have proved to be a great way of reducing our electricity consumption at source and have helped us to achieve year on year savings. Dealing with powerPerfector has really been hassle free; from the initial data logging and appraisal at each site, right through to the monitoring of the performance after installation. For

those companies that are prepared to invest in carbon reduction, I would recommend giving powerPerfector a call."

Darren Scutter,

Strategic Projects Manager

The powerPerfector installation at Bodelwyddan Hotel is achieving:

- * financial savings of £22,900
- * kWh savings of 13.7%
- * 41,300 reduction of CO2 per year.

WOW AWARD SPONSORED BY POWERPERFECTOR



Announcing the first annual Footprint Friends UK schools WOW awards sponsored by powerPerfector.

Footprint Friends is calling all UK school-age students from year 6 and above (10+) to team up and present ONE BIG WOW IDEA to Wipe Out Waste in their school before a green dragon's den award ceremony at the Frontline Club in London in November.

powerPerfector continue to sponsor our chosen good causes and this year we have provided funds to the women's cycle team 'Women for Women',

our own pP cyclists raising funds for various charities of their choice and the WWF have received another generous donation this time for the 'Pearl of Africa Fund'.

The WOW awards how to get involved.....