

Case Study

Voltage Power Optimisation (VPO)®



CRC helps keep powerPerfector on top

powerPerfector is one the UK's leading green companies, recognised as the fastest growing 'green' company at the 2011 annual Virgin Fast Track 100 awards. The last three years have seen impressive growth as organisations prepare for the introduction of the CRC Energy Efficiency Scheme.

Around 90 per cent of **powerPerfector** revenues come from CRC registered organisations. Allied to the electrical savings we make for them, we also reduce their CRC EES exposure by around £2.25m a year.

Case Study

Don't take our word for it...

Sainsbury's

"This technology continues to form part of our on going Carbon Reduction Programme and I have no problem in recommending this solution."

Jeremy Waters
Energy Manager
Sainsbury's



"If this is the saving we can expect from the units, it can only be to our benefit for carbon saving within the CRC Energy Efficiency Scheme."

Gerald Israel
Energy Manager
Rhondda Cynon Taf County
Borough Council

Further information

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powerPerfector's Voltage Power Optimisation (VPO)® helps commercial organisations to reduce their energy use and therefore carbon by correcting the disparity between the average supply voltage in the UK (242V) and the voltage level at which electrical equipment functions most efficiently (220V).



A normal 230V rated lamp – when run at 240V, will fail after 550 hours instead of 1000, drawing nine per cent more energy. Now, imagine that spread across an entire site, with every single component failing faster and wasting energy. The accumulated losses can be up to 20 per cent of your total electricity bill.

Our technology is trusted by the energy regulator Ofgem; the Department for Energy and Climate Change (DECC); the UK's leading transmission network operator electricity distributor, National Grid; the UK's biggest retailer, Tesco, the UK's environmental regulator, the Environment Agency; as well as 160 local authorities and 20 government agencies.

CRC specific Marketing Initiatives

- Targeted mailshots
- E-newsletters
- Conferences and expos
- Channel partnerships
- Seminars and workshops
- Roundtables

Sustained growth

To date, our technology has saved our clients over £95m in energy spend and 616,000 tonnes of carbon dioxide emissions. This benefits not only UK plc's bottom line, but also its carbon reduction targets under the CRC Energy Efficiency Scheme.

Jamie Buchanan, Chief Operating Officer at **powerPerfector** said: *"Without the CRC driving carbon reduction, the green sector would have really struggled over the last few years. It has kept energy efficiency on the agenda and we believe it will lead to a very positive 2012."*

Energy saving in action

One organisation that has implemented VPO, to help meet carbon reduction targets, is Norfolk and Waveney Mental Health NHS Foundation Trust.

The Trust's Julian Hospital is located in Norwich, it assesses and cares for older people with mental health problems such as dementia and depression through occupational therapy.

A 350kVA **powerPerfector** unit with a nine per cent optimisation setting was installed at Julian Hospital in 2009, it will reduce the Trust's carbon emissions by 102 tonnes every year.

Robert Forster, Estates Manager for the Trust, said: *"There is some consideration required concerning the disruption to the hospital supply during installation, but this was well managed... Together with other initiatives the installations are helping the Trust move towards meeting the new CRC Energy Efficiency Scheme."*



What it means to **powerPerfector**

powerPerfector's growth has enabled the company to acquire the global patents, manufacturing and distribution rights to the technology from its Japanese supplier.

The manufacturing of **powerPerfector** technology will soon be transferred to the UK.

The agreement makes the company fully vertically integrated with distribution agreements for Australia, South Africa, China, Thailand and the Philippines – amongst others. This has given the company a global presence and represents a huge growth opportunity.

The acquisition creates commercial value for **powerPerfector** by providing a secure platform for increased business growth.

powerPerfector intends to take its processes and professional capability to deliver value and savings to its clients in the UK, and replicate this proven blueprint worldwide.

powerPerfector turnover

- **2008:** 11,556, 716
- **2009:** 29,788,271
- **2010/11:** 32,702,647*

*15 month year as financial year changed to 31/3/11

There are a range of case studies and client testimonials available on our website, please visit www.powerperfector.com for further information.