

Leisure centres make big splash with savings!

Sportspace, a group of leisure centres managed by the registered charity Dacorum Sports Trust (DST), is set to make savings of £11,000 a year following successful installations of iVolt's revolutionary voltage optimisation technology.

John Challis, Group Technical Manager of Sportspace, approached iVolt in the summer of 2012 as part of a drive to reduce energy consumption across the group's leisure centres. After a site survey at the Berkhamsted leisure centre, iVolt's solid state variable voltage stabilisation technology was chosen, as it offered considerably higher savings levels than those projected using a fixed ratio voltage reduction, as well as increased resilience of the electricity supply. By October 2012, a 300Amp iVolt unit was installed at the Berkhamsted leisure centre, which quickly exceeded expectations, demonstrating savings in excess of 8.5% of their total electricity consumption. This project has resulted in a 28.5% ROI, with annual savings over £5,275 or 60,000kWh, a saving that the management at Sportspace are delighted with.

iVolt are able to offer a unique proposition with their multi-award winning variable voltage stabilisation technology. Not only does the iVolt provide up to 30% additional energy saving when compared to fixed ratio voltage reduction systems, but it also differs by offering a patented Intelligent Real Time (IRT™) energy monitor. The innovative device, which is integrated into every iVolt unit, enables the team at Sportspace to verify savings immediately and with accuracy. As well as helping to educate staff about how electricity is being used at the site, the data provided by the monitor enables them to confidently assess the projects return on investment, which in this case, is just 3 years.

As a group, Sportspace offers a wide range of sporting and fitness services including the major sports as well as extreme sports activities such as climbing, caving and a XC skate and BMX park, the Dacorum athletics track and the Little Hay golf complex. They play a major part in improving the health of the community, and have even launched the Dacorum sports awards that recognise those who work towards encouraging people to get involved in sport.

When the time came to invest further in



energy saving measures across the groups leisure centres, it was clear that asking iVolt to assess the Hemel Hempstead site would prove valuable, based on the good results that have been proven at the Berkhamsted site. The Hemel Hempstead leisure centre is larger than the Berkhamsted site, and employs Combined Heat and Power to help reduce energy costs. Nevertheless, a 600Amp iVolt unit was installed in April 2014 in order to reduce electricity consumption further. Immediately, Sportspace management saw savings of over 7.5%, generating an ROI of 23.8%, with annual savings of over £5,000 and over 62,000kWh.

“We selected iVolt's technology over others, partly due to the visibility and clarity of savings performance. From the initial enquiry and throughout surveys, installation and after-care, iVolt have provided exceptional service.”

John Challis
Group Technical Manager

The Berkhamsted and Hemel Hempstead leisure centres are just two examples of sites which have benefited from iVolt's expertise in Voltage Regulation, with their award winning technology. Cumulative savings of over £11,000 / 130,000kWh, and reduced CO₂ emissions of 66.2 metric tonnes per annum, give a combined payback of less than 3.5 years – all of which can be viewed and verified by the team at Sportspace via a secure cloud-based portal.

The iVolt system, which is available in sizes to suit anything from individual pieces of equipment upwards, has also

been installed in supermarkets, airports, railway stations, hotel and restaurant chains, schools and government buildings, demonstrating its versatility when energy reduction is required.



AT A GLANCE...

PROJECT / CUSTOMER Sportspace
Hemel Hempstead/Berkhamsted

DATE OF INSTALL
October 2012 / April 2014

ANNUAL kWh CONSUMPTION
1,526,636

IVOLT UNIT SIZE
600A / 300A

ENERGY SAVING
8%

EXPECTED RETURN ON INVESTMENT
26.2%

**CO₂ EMISSIONS REDUCTION
(METRIC TONNES)**
60.3

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

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We don't predict energy savings at iVolt
- we PROVE them*

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Intelligent Power Optimisation

"One of 30 British businesses with world class potential"
The Daily Telegraph



*And we're the only voltage optimisation manufacturer who can ...



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