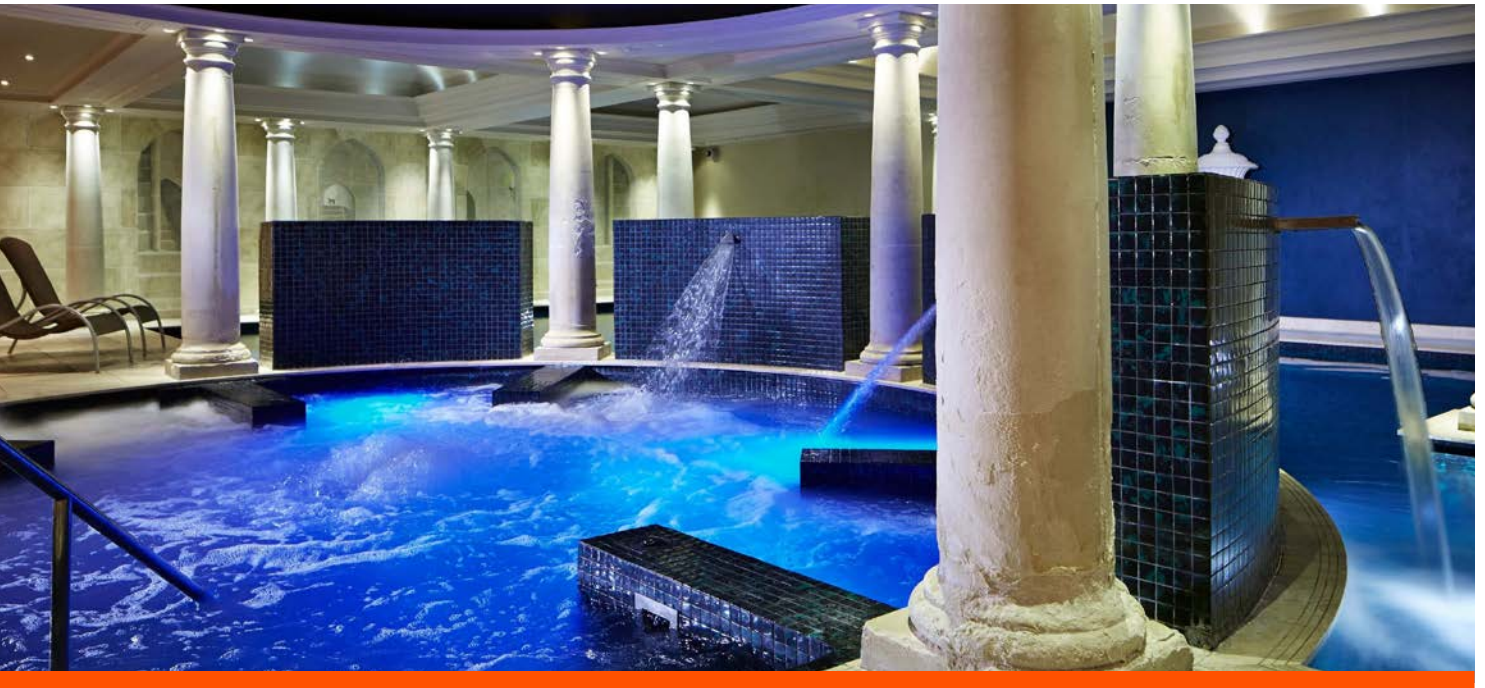


SPA HOTEL SAVING ON EMISSIONS WHILE CUTTING ENERGY COSTS



Timely investment in iVolt has not only reduced the carbon foot print, but Alexander House will be saving more money than expected given the recent energy price hikes.



Alexander House, a five-star spa hotel located in Sussex, UK, has implemented an iVolt unit as part of a strategy to tackle rising energy costs. The hotel, which features an award-winning spa and pool complex, two restaurants, and 38 rooms, was consuming over 1MkWh of energy and were incurring energy bills in excess of £80,000 per annum before the installation of the iVolt unit.

The iVolt system is an intelligent voltage optimisation system that reduces the incoming power supply from a UK average of 242V to 220V (+/- 1.5%), the level at which electrical equipment operates most efficiently, resulting in an immediate 10% reduction in the hotel's electricity consumption. This reduction in consumption also results in an annual reduction of nearly 6% in energy bills. Additionally, the

hotel's annual carbon emissions were reduced by around 50 metric tonnes, which is the equivalent of taking 10 family cars off the road each year.

The iVolt system works by stabilising the voltage to prevent surges in power, protecting equipment such as motors, pumps, and bulbs. This improves the lifespan of the equipment and reduces the need for maintenance and servicing in the long run. The iVolt system also offers a patented Intelligent Real Time (IRT) Energy Monitor, which is integrated into every unit. This ground-breaking device enables the team at Alexander House to track their savings instantly and accurately, and to predict the site's return on investment with a high degree of accuracy.

at a glance

ALEXANDER HOUSE HOTEL & SPA



652,024
TOTAL ENERGY
SAVED (kWh)



3x800A
IVOLT SIZE



18/05/2013
INSTALL DATE



41
ROI ACHIEVED
(MONTHS)



336,596
CO₂ EMISSIONS
REDUCED (kg)



5.61
ENERGY
SAVED (%)

INFORMATION CORRECT AS OF 20/02/2023



The iVolt system is a variable voltage optimiser, which allows for up to 30% greater savings than fixed reduction units. Alexander House is part of a small group of luxury hotels, including Langshott Manor, near Gatwick, and Rowhill Grange in Kent. While iVolt's in-depth site surveys showed that the other sites would not benefit as greatly from an optimised power supply, the management team has turned to gas burner management units, low wattage bulbs, and solar panels in those sites in a bid to further reduce the group's impact on the environment.

Manhal Allos, iVolt's founder and MD, said: "While not every site is suited to voltage optimisation – including Langshott Manor and Rowhill Grange – it is thought that some 400,000 British businesses could benefit from the technology and we're confident that the iVolt would save more money in 90% of those cases. For a busy hotel, it's important that savings are made wherever possible - there will also be additional benefits as independent

research shows that equipment lasts longer when it is operated at 220V."

The implementation of iVolt has resulted in significant financial savings for Alexander House and reduction in carbon emissions, while also protecting equipment and improving its lifespan. The iVolt system's patented Intelligent Real Time (IRT) Energy Monitor has proved to be a real industry game-changer as it enables the team at Alexander House to track their savings with accuracy, making it possible to predict a site's return on investment.

We looked at another voltage optimisation manufacturer too but found iVolt to be by far the most professional and knowledgeable. The installation went seamlessly and we're very pleased with the savings.

*Michael Thomas
Financial Controller*

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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 ISO9001:2015

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