


 tp bennett

## Leading Architectural Practice turns to Intelligent Voltage Control after Surges cause £250,000 damage at UK Headquarters.

**A** continual problem with damaging high voltage and occasional spikes and surges from the National Grid have forced a leading architectural practice in central London to turn to iVolt as a method of Voltage Control to enable them to protect sensitive equipment and IT servers at their UK Headquarters.

TP Bennett is a multiple industry award winning Architectural, Interiors and Town Planning practice, with nearly 100 Years of experience. The practice is well known for its specialism in strategy and sustainability, as well as research and graphics. From the Bankside Headquarters, TP Bennett's global network connects with over 20 affiliate offices and servers for the operation are held here. Maintaining a resilient supply of electricity to the UK Headquarters and its equipment, without harmful spikes and surges is absolutely critical.

**“ We had been experiencing unusually high sustained Voltage Supplied from the National Grid at the London Headquarters and on top of that we also experienced further spikes and surges. This not only meant we were consuming more electricity than necessary, but subsequently damaged a considerable amount of sensitive and valuable IT equipment, and even light fittings.**

**The iVolt works by monitoring input voltage and then stabilising output voltage at a desired set point, in our case 220 Volts. This is serving to protect our site and equipment, whilst**

**reducing our electricity consumption and carbon emissions by more than 5% - Showing continual improvement in this area has helped us with our ISO Accreditations.**

**iVolt were extremely helpful in solving this matter and were able to rely on vast experience in surge and spike protection in order to provide a solution that works for us. Using a cloud based portal, we can even call on historical input voltage records, as well as adjust output voltages without shutting down.**

**Stephen Yates – IT Director**

At the time that iVolt were asked to assess the TP Bennett Headquarters for suitability and precise savings levels, the client was also looking into changing Halogen Lighting to LED in a bid to further reduce energy consumption. Due to the thorough nature of the Engineering Survey, iVolt were able to calculate precisely how savings from the iVolt may be affected, post-implementation of the LED lighting programme. Several months after installing the iVolt, LED lighting was installed throughout the TP Bennett offices. By using iVolt's unique IRT Energy Monitor, TP Bennett could access real-time savings performance data relating to the iVolt alone and verify our predictions. Annual savings of over 41,000 kWh equates to a 22.7 Metric Tonnes Co2 emissions reduction and an ROI of 17.28%.

TP Bennett specified additional

load capacity in their iVolt unit to suit further planned expansion and use of the converted Edwardian Warehouse Headquarters. Despite the increased project costs of a larger iVolt, this project has demonstrated that financial savings from Voltage Stabilisation are significant and tangible, allowing clients to see very reasonable payback after implementation.

### AT A GLANCE...

**PROJECT / CUSTOMER**  
TP Bennett- Central London

**DATE OF INSTALL**  
Nov 2013

**ANNUAL kWh CONSUMPTION**  
840,132 kWh

**IVOLT UNIT SIZE**  
400A

**ENERGY SAVING**  
5.5%

**CO2 EMISSIONS REDUCTION**  
22.7 Tonnes

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

### FOR MORE INFORMATION ON IVOLT:

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

iVolt®

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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