



## Case Studies—Electrical examples

### **Power Perfector – at a heritage building in Westminster**

With the onset of legislation, CSR energy usage is on most business' agenda. It has become important that our clients are aware of low carbon products. Power Perfector is a Voltage Power Optimiser. The technology optimises the site voltage and improves the power quality for the whole site, whilst offering valuable infrastructure protection from grid transients. Optimising the supply voltage allows equipment to use only the energy it requires to operate efficiently and therefore energy and carbon savings can be made, typically between 10 - 20% with a performance guarantee offered on every unit installed. It is unique in this country and has been used extensively in Japan for some years, where it was first developed.

DX Electrica provided several electrical works in order for the Power Perfector to be installed. These included; relocating the emergency lighting cables and panel, relocating the earthing bar and moved the fire system sounders.

For more information on Power Perfector please visit [www.powerperfector.com](http://www.powerperfector.com)

### **East London School of English**

The school based near BrickLane required a more suitable lighting scheme that was more energy efficient. We also carried out lamp replacements and purchased extra lamps for future use. Being a school DX Electrica arranged with the client to carry out the relevant works at a separate time so not to disturb classes.

For more information on East London School of English please visit [www.elsenglish.com](http://www.elsenglish.com)

### **Cuthbert Lake**

Cuthbert Lake based in Gray's Inn London, required an electrician to install a heater for a landlord. The two convection heaters with timers required an extra ring circuit to the distribution board. The client was pleased with DX Electricas' level of professionalism.

For more information on Cuthbert Lake please visit [www.cuthbertlake.co.uk](http://www.cuthbertlake.co.uk)

### **Cavendish Engineers**

DX Electrica has provided numerous electrical works for its' associate company Cavendish Engineers. Cavendish Engineers delivers large engineering projects that require electrical installations. For example; the installation of inverters to all pumps and fans throughout a heritage buildings plant room. The electrical works increased the energy efficiency to the buildings plant equipment.

We have also installed the PIR lighting and presence detection within the toilets at one of Westminster's prestigious buildings. The installation means that the lighting is switched off when toilets are not in use. The energy saving systems has enabled the client to reduce their energy usage in the toilets by 50%.