



## Retro-Fit Energy Saving Solutions

### **Low-E Window Film**

Applied to the existing window glazing, these films both reflect radiant heat back into the room during winter, and reflect away excess heat during summer. As well as a year-round more temperate and productive environment for the building users, the film can result in massive savings in HVAC operating costs and associated carbon.

### **OH4 heat transfer solution** (water heating systems)

A pre-programmed magnetic application to the flow/return pipes on commercial boilers can result in a 20% saving on gas usage, by quickening the rate at which the water gets to the required temperature. These significant savings show immediately, such that the installation cost is generally fully funded by the first year of energy savings.

### **Optiburner** (space heating, and hot/chilled water systems)

An intelligent retrofit solution that optimises boiler firing patterns to reduce fuel waste and improve efficiency by 15%-30%. Extending burn cycles and reducing unnecessary firings lowers energy consumption, cuts costs, and reduces carbon emissions without disrupting daily operations, all with real-time performance tracking.

### **Voltage Optimisation**

UK appliances need 220 volts to operate at an optimum level; the average supplied by the National Grid is 242 volts, even as high as 260 volts! Installing a Voltage Optimiser will give guaranteed savings of up to 19%, as well as increase the longevity of your appliances. For businesses with >100,000kWh annual electric usage.

### **Automated Demand Response** (Electric supply) – **FREE** for businesses!!

The UK currently operates Static Demand Response. An IoT smart device allows organisations to automatically reduce their energy consumption during peak demand periods without human intervention, or affecting operations. Avoiding costly peak demand charges can add up to significant savings over time (average 15% usage), especially for businesses that use a lot of energy.

### **PLUS**

### **Commercial Energy Brokerage**

Sun-X can broker energy contracts to minimise the rates you pay for gas & electricity, including “green” tariffs for those looking to minimise their environmental impact.

**Also – solar/PV installations, EV chargers, business mobiles**