

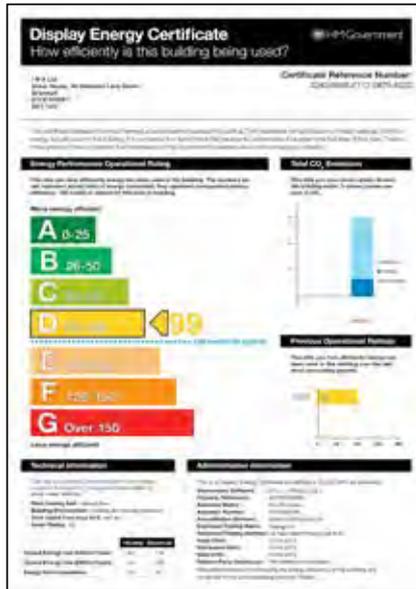
**“ Reducing your Carbon Footprint not only makes environmental sense but will deliver commercial benefit by reducing your energy bills or at the very least hedge against continuously increasing energy costs and give you a marketing point of difference ”**

**Objectively looking at our energy usage and opportunities to improve**

We appointed an external assessor to examine our usage of energy. Working to government norms of DEC (Display Energy Certificate) the buildings were inspected and certificated with comprehensive carbon reduction recommendations. We then undertook an introductory course to understand the DEC and based on this experience



and using IMA as the Guinea Pig we have established a Carbon advisory consultancy Carbon Strategy [www.carbonstrategy.co.uk](http://www.carbonstrategy.co.uk)



**Actions to reduce our carbon footprint**

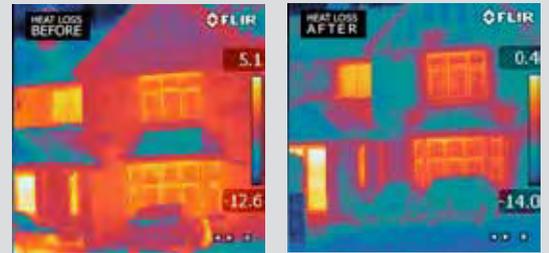
We secured a fixed price deal for both electricity and gas but this is not a long term panacea against spiraling energy costs so.....

**Solar Panels**



We installed solar panels which generate 3111 kwh per annum and earns us £1240 through the government Feed in and Export Tariffs. This reduces our CO2 emissions by 2.2 tonnes

**Cavity Wall insulation**



Thermal images of our 1950's main building, pre and post insulation, demonstrate the difference in heat loss. Heat loss is seen where the walls are red (1). The blue (2) is post insulation. We will know soon the savings on heating costs ... but we can feel the difference.

**LED lighting and Voltage Optimization units**



LED lights have reduced our lighting energy consumption by 75% saving £1,836 per annum and reduced our CO2 emissions by 8.81tonnes. 2 years after installation not one bulb has failed. Our new Voltage Optimization units reduce the 240 volts coming in to 220 volts as all modern electrical appliances work on 220 volts. This will save approximately 13% energy usage and extend the life of all our electrical equipment.

**We went one step further.... and became Carbon Neutral**

**BSI PAS 2060 describes what steps you should take to achieve carbon neutrality and they are as follows ....and this is exactly what we have done.**

1. Calculate your company's carbon footprint for previous 12 months
2. Carry out a Display Energy Certificate (DEC) assessment on building
3. Make a 7 year statement of intent to reduce carbon based on DEC advisory report
4. Commit to an annual audit of compliance
5. Offset previous 12 months' (year 1) carbon footprint by planting trees in Kyoto approved countries to obtain certificated carbon credits
6. For years 2-7 annually calculate the company's reducing Carbon Footprint and plant Kyoto trees in line with reduced carbon



**PLUS Trees for schools – growing trees.... growing minds**



In addition to planting trees in Uganda, one of the Kyoto compliant countries, through Carbon Credit specialists Plan Vivo [www.planvivo.org](http://www.planvivo.org) we also tree twin by sending trees to local schools for educational purpose through Tree Appeal.- [www.treeappeal.co.uk](http://www.treeappeal.co.uk)