

## **Case Study: Manufacturing Plant 1**

### **Energy Reduction Campaign**

#### Challenge

The manufacturing business is spread across 3 sites within the UK. The business had already identified an energy reduction program per site and were looking to achieve 5% per annum/site reduction over the following 5 years.

#### Solution

Red1 Group Ltd collated site specific information regarding current energy consumption, usage, current equipment and running hours. With this information we were able to produce a proposal for the client outlining the offering and most importantly the savings.

The current boilers on site were all in good working order and high efficiency output therefore no replacements were required at this time.

The current lights on site were mostly high bay halogen or standard filament fittings. The sites currently use combined 290,000 kW of electricity on lighting.

Red1 Group would install new LED lighting throughout the premises at no cost to the client.

#### Results

Red1 Group installed the new LED lighting with the following results.

Total electricity consumption reduced by approximately 47%

The client will save over £83,000 in a 5 year period.

The clients 5% planned reduction over 5 years now achieved 47% in year 1

All of this was achieved with no cost to the client utilising Red1 Groups scheme.

If the client was to pay for the reduction scheme the total cost would be in excess of £45,000.

To find out how Red1 Group could cut your energy costs and reduce your carbon emissions please contact us.

\*The client's details have been omitted to avoid unsolicited sales calls