

Case Study #1

Upgrading to LEDs at CCS Norwich

Moving into our new office was a good opportunity to run EnergiPlan+ to see what savings could be identified. EnergiPlan+ highlighted that each of our 50W halogen GU10 lamps (we had 40) were relatively inefficient and expensive to run at 104kWhpa / £12.47pa.

Installing the recommended upgrade 6W LED light bulbs made a dramatic difference, reducing the running costs of each lamp to just 12.48kWhpa / £1.49pa.

This generated individual lamp savings of 91.52kWhpa (88%) / £10.88pa (87%).

Overall savings for 40 lamps were 3,661kWhpa / £439pa

Our tCO₂/yr consumption from 40 lamps fell from 2.240 to 0.269 (88%)

Our 40 LED lamps cost £182.00 with a payback of just 5 months.

Consider also, that LED lamps have a rated life of 25,000 hours around ten times that of the halogen lights meaning our office lamps should last 2,884 (working) days compared to the halogen light bulbs, which were only expected to last 288 (working) days.

Overall, a great illustration of how EnergiPlan+ enabled reduced energy consumption and associated costs.

2Yrs Total Cost of Ownership down by **88%**