

Green Business Showcase

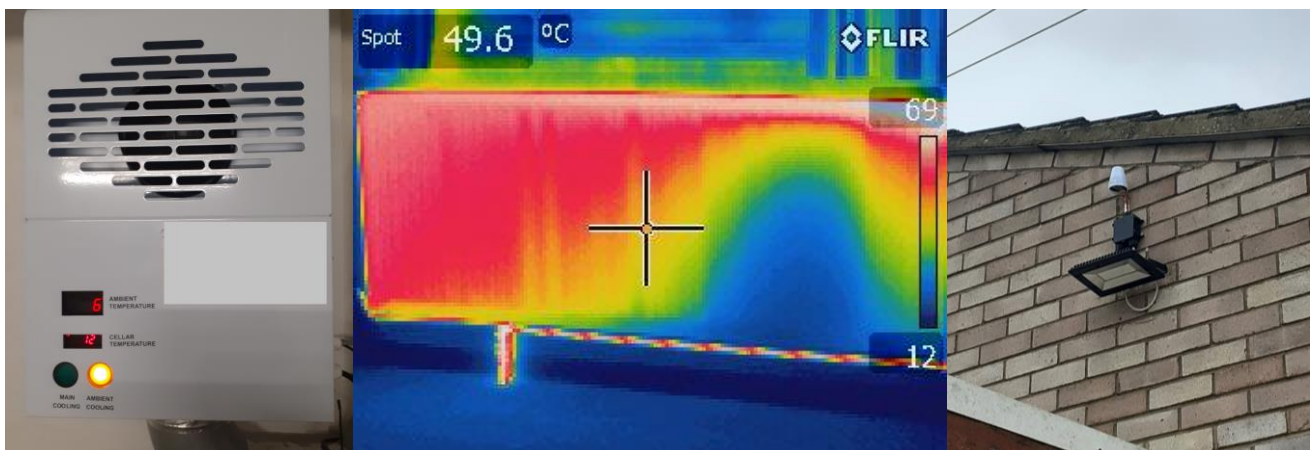
Kempston Hammers Sports & Social Club

Kempston Hammers Sports & Social Club are committed to reducing their energy costs, carbon footprint, and improving the facilities for their community users. Their club premises' was an old, inefficient building which they have been gradually making more and more energy efficient by installing various measures.

One of the first changes they made was to replace the old T8 fluorescent light fittings, general lighting and their dusk to dawn security lighting with LED equivalents. They have also reduced the size and number of light fittings, as well as installing motion sensors in areas where the light is often left on unnecessarily. This replacement has shown great savings and they aim to carry this out on the remaining few lights.

In order to identify further energy savings, the club used a thermal imaging camera to highlight areas of drafts, poor insulation, heat loss, blocked radiators etc. For example, they installed foam insulation boards in their bar cellar, as well as a new air chiller system, which has an intelligent air fan unit that measures the outside ambient air temperature and once below a set temperature it cools the cellar with ambient air rather than using the main chiller to reduce energy consumption.

They have recently had an EPC (Energy Performance Certificate) survey, match funded by the Mayor's Climate Change Fund, carried out and the building scored C67, which is 3 bands higher than buildings of a typical similar structure without energy saving improvements (F 137). Their overall energy consumption has been reduced and this is between 12% and 16% savings depending on the time of year. The EPC also presented a number of further measures they can install to improve their energy efficiency further and they have a number these projects in the pipeline.



Air cooling fan unit

Thermal image of one of the old radiators

LED lighting