



Nuneaton & Bedworth Council Property Buildings

Chalmor has helped Nuneaton & Bedworth Council cut carbon and save energy by installing light fittings and controllers at a number of buildings across the council's property portfolio.

The Council has been working on energy reduction for several years and following consultation with the Carbon Trust, appointed Chalmor to upgrade lighting at Nuneaton Town Hall, the Council House and two multi-storey car parks (MSCP's).

The main issue was that much of the lighting across the Council's portfolio was in use regardless of occupancy and levels of daylight. Following design meetings, Chalmor renewed or upgraded existing fittings and integrated new control command components including Bluewave controllers, PIR sensors and daylight measurement devices.

For the MSCPs – which have standard working hours – pre-set timing for switching lights on and off was used. All of the installations also incorporated occupancy sensors to detect presence or absence within the parameters of the sensor and turn the lights on or off accordingly.

Occupancy sensors work particularly well in areas of the buildings where occupancy is intermittent or unpredictable, such as meeting rooms or private offices. The use of these sensors, commonly known as presence detectors or PIRs, in a private office, can save around 45% of its yearly energy usage.

At the Council House, in addition to occupancy controls, dimming light fittings were installed to capitalise on natural daylight.

The same methods were used in the Town Hall for the window perimeter areas, but the main savings there came through the introduction of new high-efficiency fittings and room-by-room control.

Brent Davis, the council's Assistant Director for Asset Management & Street Scene, said: "Chalmor's commitment to partnership working has been manifested with their flexibility in carrying out work, allowing our employees and the motorists that use our car parks to experience the absolute minimum levels of disruption. They had a willingness to go the extra mile to get the state of the art systems we now have in our premises working as effectively as possible. The new lighting systems that Chalmor specified, supplied and helped install are saving Nuneaton and Bedworth Council thousands of pounds a year as well as helping us genuinely reduce the size of our carbon footprint."

Chalmor has brought not only a very high degree of technical expertise and experience to the energy saving lighting projects that Nuneaton and Bedworth Borough Council have embarked on over the last 18 months, but perhaps more importantly they have shown a genuine commitment throughout the project to work in partnership to 'get things right'.

Brent Davis, Assistant Director Asset Management & Street Scene, Nuneaton and Bedworth Council