



## City of Cardiff LED Lighting Scheme

In September 2016 Centregreat was appointed as Principle Contractor for the replacement of LED Street Lighting on the Strategic Highway Routes Contract for Cardiff City Council. Our programme has enabled us to deliver the contract in a period of 9 months, more than a year earlier than the original completion date, providing the Client with significant savings.

The works involve the installation of 12,500 LED lanterns on major routes throughout the City of Cardiff, all of which have the Philips CityTouch System; allowing the authority full control of their lanterns. We are also installing the CMS equipment on any existing LED lanterns to ensure the City has full control of its LED lighting stock, allowing custom lighting and dimming schemes across the City.

Being mindful that savings in energy costs is a major objective for the Client and that the environmental impact of the CO2 emissions would also be significant, we reviewed the existing infrastructure and initially targeted the high energy consuming lanterns on the major routes to make an instant impact on the energy costs. As a consequence, the Client began to see savings immediately.

Due to the nature of the City's major routes much consideration was given to the planning and implementation of the traffic management; to minimise disruption and delay to road users and also pedestrian footfall in the City. We also took into account the many events being held in the City during the contract period (such as the UEFA Champions League Final).

We worked closely with the Council on many occasions to work around the busy schedule of the City. This was particularly crucial when coordinating the night working for busy routes in and out of the City such as 'The Link Road', where there were strict time constraints so that disruptions and interference with normal traffic flows would be minimal during peak times. This required liaising with the Cardiff Events Manager to ensure that our work did not clash with the many events that the City would be hosting during this time.

Currently we are on target to complete the contract within the originally stated 9-month period, and the Street Lighting Team in Cardiff is very pleased with our progress.

One of the keys to the success of a contract of this size is a good relationship between the Contractor and the supplier. We have worked with Philips in the past and have developed an excellent working relationship. By working closely together we ensured the delivery of the best solution with regard to the LED Lanterns and the CMS. This has guaranteed significant savings for the City of Cardiff Council.