



## Neath Port Talbot Lighting Infrastructure Upgrade

Centregreat was appointed as the main contractor for Phase 1 of the NPTCBC Renewal Contract in 2010. We organised and coordinated all matters associated with Health and Safety, RAMS, Traffic Management, Welfare and Programming, including notices for road openings and coordination with other utility companies. The project entailed the replacement of time expired public lighting horizontal and hi lift wood pole infrastructure and replacement and erection of other public lighting infrastructure. We worked closely with the Council's Engineers and staff and successfully proceeded to the completion of the Contract.

The type of work undertaken involved activities on the public highway meaning interaction with pedestrian and vehicular traffic. To ensure the safety of all members of the public we delivered an efficient Traffic Management system which was continually monitored and maintained. By communicating with concerned house owners and business owners, we were able to maintain a good relationship and received many compliments for the finished product.

The existing lighting, which was mounted on wooden poles supplied by a two-wire overhead line, was being reviewed and we were involved in the installation of the replacement underground SWA lighting network system. We worked alongside the DNO (WPD) staff in the execution of 4,000 overhead line connections and liaised with the DNO (WPD) to establish the requirements to enable us to undertake works on the DNO infrastructure.

Centregreat was subsequently appointed as the main contractor for Phase 2 (2011) and 3 (2014) of the Renewal Contract.

The contract requires that we replace time expired public lighting infrastructure columns over ten years old. The expired columns were replaced with new galvanised steel /aluminium columns complete with modern road lighting lanterns incorporating the provision of the Telensa Central Management System (CMS). The contract also includes new DNO service / transfer connections and the removal and disposal of all lighting columns and other public lighting furniture.

Centregreat provided and installed a Central Management System (CMS) in accordance with the specification requirements, during Phase 1 of this contract which allows full coverage of the County Borough. Phase 2 and 3 of the contract required the provision of additional Telensa stations, to allow for the possibility of further expansion as and when required.

The CMS is designed to allow for monitoring of the lighting units from the Public Lighting Office and will incorporate the facility of dimming between chosen times throughout the night which will reduce the energy consumption.