

Derby connects to Extra Low Voltage from Siemens

Siemens Mobility, Traffic Solutions based in Poole, Dorset has been awarded a contract to supply Extra Low Voltage (ELV) traffic signals for Connecting Derby, a major Government-funded scheme to build the city's new inner ring road. New and replacement ELV traffic controllers and signal heads will be supplied and installed by Siemens at more than 12 junction and pedestrian crossing sites on the new road on behalf of BAM Nuttall, the preferred supplier for the main civil works contract.

Acknowledging the company's credentials on behalf of BAM Nuttall, Craig Hulse, Site Agent, said: 'Siemens represent a key partner for BAM Nuttall and Connecting Derby thanks to the combination of the company's proven track record and the supply of sustainable technology and reliable services'.

The new signalling equipment is currently being installed and expected to be validated and fully completed within the next 12 months. Among the first areas to benefit from the improved energy-saving lights will be the Kings Street link which opens at the end of this month. Other junctions will be upgraded and installed in due course.

Connecting Derby is an integrated transport project which aims to improve transport links in and around the city centre for people who live, work or visit the city. The full programme involves extensive archaeological and clearance works, relocation of car parks, the construction of a new 1.5 kilometre road, two roundabouts and the widening of 3.5 kilometres of road, new car parking facilities, cycleways, footpaths, and associated traffic management installations due for completion by Winter 2010.

For Connecting Derby, Mohammed Haque commented: 'The project will bring many important benefits to all road users including improved safety and mobility, meanwhile, every effort is being made by all parties to minimise disruption during the construction period.'

According to Ian Wallis, Derby City's Traffic Signals Engineer, ELV controllers have become standard for all upgrades and new installations in Derby. 'We're pleased with the ELV equipment and especially the energy and cost savings. The ELV initiative forms part of the Council's commitment to a carbon reduction footprint plan and further procurement of sustainable technology' he said.

Helping to improve safety and journey reliability, the new ELV equipment uses less power and will be more visible to drivers in bright, sunny conditions. This has the double advantage of saving energy and increasing safety for road users.

According to Siemens Regional Sales Manager, Frank Steinheimer, the use of ELV provides reduced power and cabling costs as well as improved lamp monitoring of very low power LED traffic and pedestrian signals. 'ELV also provides increased electrical safety for both members of the public in the event of any damage to the installation and personnel working on or around the junction,' he said.

Extra low voltage controllers

Siemens' highly successful Extra Low Voltage (ELV) intersection controllers together with the ELV pedestrian controller, enables the implementation of a total ELV policy for all new sites. The new ST750P pedestrian family is certified to TR2500 and provides Pelican, Puffin and Toucan control strategies at both low voltage (230V) and extra-low voltage (48V) drive levels.

ELV technology, which is manufactured at the company's Poole factory, is closely related to the acclaimed ST900 range of high performance traffic controllers. The new equipment is also compatible with the whole range of Siemens street furniture, including Helios LED signals, LED nearside signals and LED wait indicators, all offering significant power cost savings over conventional solutions.

About Siemens in the UK

Siemens was established in the United Kingdom 166 years ago and now employs 18,402 people in the UK. Last year's revenues were £3.7 billion. As a leading global engineering and technology services company, Siemens provides innovative solutions to help tackle the world's major challenges, across the key sectors of energy, industry and healthcare. Siemens has offices and factories throughout the UK, with its headquarters in Frimley, Surrey. The company's global headquarters is in Munich, Germany. For more information, visit www.siemens.co.uk

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