

## **Medway opens gateway to major savings with new traffic technology from Siemens**

**Major refurbishment of traffic technology across Medway, part of the Thames Gateway area, is underway to significantly reduce energy and communications costs with newly developed products from Siemens. Aimed at reducing carbon emissions and power consumption, the project involves replacing over 600 signal heads with new Siemens retrofit technology at sites in Rainham, Rochester, Gillingham and Chatham. Communications equipment is also being upgraded with the deployment of new UG405 outstation transmission units (OTUs) from Siemens.**

According to Alan Hawker, Medway's traffic signal engineer, the unitary authority plans a major shift towards Extra Low Voltage (ELV) technology over the next year. 'ELV from Siemens will make a significant contribution not just in reduced power consumption but also ongoing maintenance. We have even looked at how much time is taken up travelling with a vehicle to replace a lamp or attend a lamp failure – this is a green issue too', he said. In addition to ELV technology, Siemens low-power Helios retrofit enables both existing Siemens Helios and Peek Elite signal equipment throughout Medway to be upgraded to the latest CLS LED technology, whilst maximising the re-use of existing roadside infrastructure.

The refurbishment project includes a new UTMC database, car park guidance systems, VMS signage and migration to IP-based communications network and the latest UG405 communications protocol. Allowing traffic technology to use the existing council network which links offices, schools and libraries is calculated to deliver significant communications cost savings for Medway as well as deliver improvements to the existing Urban Traffic Control (UTC) network.

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With a total of 210 junctions including crossings, the project also involves the installation of new ELV controllers at over 50 sites, upgrading existing controllers to drive LED signals, Telscan CCTV cameras from Siemens at almost 40 locations and the conversion of more than 100 sites to LED, all due for completion by March 2011.

Enabling existing signals with incandescent lamps to be upgraded to LED technology without compromising functionality or infrastructure investment, Siemens retrofit option provides significant savings without compromising the optical performance of existing Helios signals. Easy to install and offering full lamp monitoring compatibility, the low-power retrofit provides a sustainable solution with minimum waste and both high optical brightness and outstanding phantom performance.

Consuming an average of just 9W across a typical dim/bright cycle, and offering power and carbon savings of over 75%, the retrofit modules fit existing traffic signal bodies, minimising waste and disposal issues – and further enhancing the carbon savings achieved.

#### **About Siemens in the UK**

Siemens was established in the United Kingdom 167 years ago and now employs 16,915 people in the UK. Last year's revenues were £4.2 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](http://www.siemens.co.uk)

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