

## **Wireless traffic detection system launched by Siemens**

**Complementing the company's proven loop and radar detection solutions, Siemens has unveiled WiMag, an alternative traffic detection system that uses magnetic disturbances to detect vehicles and low power wireless technology to transmit data to host controllers.**

According to Head of Product Management, Keith Manston, the WiMag system offers a cost effective detection system for stopline, vehicle actuation, SCOOT and MOVA applications. 'Using a battery-powered wireless magnetometer sensor which lies beneath the surface of the road, the WiMag system utilises disturbances in the earth's magnetic field to detect passing and stationary vehicles, and relays the information to the traffic controller without the need for expensive cabling or duct works,' he explained.

For new sites in particular, the WiMag system can offer a more cost effective and flexible solution than installing traditional loop detectors, particularly where detection is required at significant distances from the traffic controller. Being battery-powered, wirelessly linked and smaller in size than traditional loop detectors, WiMag also lends itself for installation at remote locations as well as being less prone to damage by street works.

With an inbuilt low-power wireless transmitter/receiver and a dedicated battery, each sensor can detect and transmit data to an associated Access Point or battery-powered repeater unit. Simply installed in the carriageway as a loop equivalent device, the in-road sensors may be located up to 300m from the host controller, using repeater units where necessary.

With two options available, subject to the size of the installation, integration with Siemens' range of traffic controllers is seamless. Firstly, a dedicated equipment rack neatly accommodates all controller mounted parts of the system and provides support for up to 60 sensors via a dedicated Siemens card and is closely integrated to the ST900 controllers. Secondly, a 4-channel interface card which replicates a stand-alone loop detector card provides support for 4 magnetometers. This solution is ideal for a small installation or where the WiMag system is retrofitted to an existing site which already uses loop detectors.

## Notes to Editors

### About Siemens Mobility and Logistics Division

The Siemens Mobility and Logistics Division (Munich, Germany) provides solutions to customers whose business models are based on optimising passenger and freight transport. The Division bundles all Siemens business related to management of international traffic, transport, and logistics. This includes railway automation, infrastructure logistics, intelligent traffic and transport systems, and technologies for developing the infrastructure for electric mobility. For more information, visit <http://www.siemens.com/mobility-logistics>

### About Siemens in the UK

Siemens was established in the United Kingdom 169 years ago and now employs 12,972 people in the UK. Last year's revenues were £4.4 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, infrastructure & cities 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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