

Poole, UK

21 April 2015

### New wireless cycle detection system launched by Siemens

A new cycle detection system that uses in-ground, low-power, wireless detectors launched by Siemens is on show at Traffex 2015. WiMag Cycle Detection uses microwave radar technology to identify and count bicycles of all types, including those constructed from carbon fibre. The solution complements the company's existing WiMag, loop and radar detection solutions.

According to Product Manager, Priscilla Boyd, the new WiMag Cycle Detectors differentiate between cycles and motorised vehicles and can distinguish objects based on their speed. 'With a configurable detection range of up 90 degrees and 3 metres in width, the system provides accurate cycle detection. Bicycles do not need to pass directly over the detector in order to be identified', she said.

With the popularity of cycling showing no signs of slowing, Local Authorities are increasingly looking for ways to optimise the road network for all users. Using a low-power wireless transmitter/receiver and a dedicated battery to transmit detection data to an associated access point or repeater, WiMag Cycle Detection can now be used to detect the presence of bicycles, provide count information and enable traffic signaling phasing to be tailored based on cycle demand.

The installation of the WiMag Cycle Detection System is simple and involves 'coring' the appropriate diameter hole in the carriageway and fixing the detector in place with a dedicated epoxy resin, eliminating the need for extensive ducts.

The system can be used in conjunction with the Siemens WiMag Vehicle Detection System, sharing the same communications infrastructure and using access points and repeaters to establish two-way wireless links to detectors within the system. 'As with the WiMag Vehicle Detection System, WiMag Cycle Detection offers a cost effective and flexible means to connect many detectors to a wide variety of controller types', added Priscilla.

Siemens was established in the United Kingdom more than 170 years ago and now employs 14,000 people in the UK. As the world's largest engineering company, Siemens provides innovative solutions to help tackle the world's major challenges. Siemens has offices and factories throughout the UK, with its headquarters in Frimley, Surrey.

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