

New enforcement solutions introduced by Siemens

A new fully-automated, digital bus lane enforcement system and a fixed radar-based digital camera are being introduced by Siemens, the country's leading supplier of traffic technology.

LaneHawk

LaneHawk is an unattended bus-lane enforcement system that uses Automatic Number Plate Recognition (ANPR) technology to automatically identify potential bus-lane contraventions. This automated system removes the need for back-office operators to review and edit hours of CCTV footage to identify violators and prepare evidential records. LaneHawk provides improved violation detection and management, reduced costs and ultimately more efficient public transport.

According to Mark Bonnor-Moris, the company's Product Manager for Enforcement Systems, LaneHawk interfaces easily with existing parking enforcement back office facilities providing a high performance solution that is simple, quick, efficient and unattended. 'LaneHawk's high resolution evidential images and increased capture rate greatly improves the cost effectiveness of bus lane enforcement and the work of civil enforcement officers. High quality images and contextual video clips of contraventions minimise the number of potential appeals and in turn improve the operation of public transport and the road network generally, he said.

'Furthermore, unlike alternative bus-lane systems LaneHawk is being certified by the Vehicle Certification Agency (VCA) as a complete enforcement system. This will enable Siemens to install and commission systems without the need for customers to spend time and money seeking further approval from the VCA', he added.

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On behalf of Essex County Council, Dave Howard, Traffic Management and Parking Officer, said: 'In Essex we have previously used video and CCTV based solutions for bus lane enforcement. Unfortunately they have provided inconsistent image quality and have been labour intensive to manage and retrieve images. Siemens LaneHawk unattended ANPR based system provides us with the technology to enforce our bus lanes more effectively by capturing more offences, providing complete evidential records remotely and integrating the information with our existing back-office system'.

The LaneHawk outstation consists of two high resolution cameras and an ANPR reader with an imaging assembly that captures images of vehicles entering the zone and determines the vehicle's registration number. All potential contravening vehicles are then compared against a dynamic 'white list' of allowed vehicles such as buses, taxis, emergency and delivery vehicles.

The system will then automatically prepare an evidential record for all unauthorised vehicles that includes five seconds of colour overview video images prior to the violation to remove any ambiguity of the vehicle's movement.

The complete evidential record is encrypted and sent to Lane-Hawk review station via XDSL or LAN for operator review. All operator approved contraventions are then sent to the customer existing parking back-office system to issue and process PCN's.

MultaRadar 780

ROBOT's proven design and development expertise coupled with Siemens comprehensive service infrastructure and financing options, provides customers with an attractive and competitive upgrade path for their existing safety cameras. 'MultaRadar S780 technology and service options offer customers significant value-added benefits over competitor solutions', he said.

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'The MultaRadar S780 has been designed and developed specifically to meet the Home Office requirements for Speed Law Enforcement Devices, ensuring a high level of performance and fulfilling the stringent Home Office standards for independent secondary speed check and security standards,' he said.

The MultaRadar deploys ROBOT's latest digital 11 Mega pixel camera, enabling customers to configure the system for either driver recognition using front photography or as a direct replacement for existing rear photography based systems. The system can be used in either stand-alone mode, or connected to a back-office through both wired and wireless communication for remote retrieval of contraventions.

Commenting on behalf of the London Safety Camera Partnership, Michael Tucker, Assistant Project Manager stated: 'The London Safety Camera Partnership is trialling the MultaRadar S780 digital speed enforcement camera as part of the Home Office and ACPO official testing programme. Once approved the S780 digital camera will offer an additional option for upgrading existing analogue safety camera systems. The S780 provides the additional functionality of driver recognition through front photography and can remotely send violations to the back-office operation'.

To help customers replace existing legacy equipment with new technology, Siemens has used its experience gained as the UK market leader in traffic control to develop appropriate servicing and finance packages to make the transition seamless. Mark Bonnor-Moris added: 'financing, installation, servicing and training are equally important factors as selecting the right technology'.

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Notes to editors:

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

For more information, contact:

Traffic Solutions, Siemens Mobility

Head of Communications

Peter Preston
Tel: +44 (0) 1202 782390
Email: peter.preston@siemens.com

PR Account Manager

Julian Gollogly
Tel: 07770 924441
Email: julian.gollogly@ntlworld.com

This press release can be found on the web at: www.siemens.co.uk/traffic