

SIEMENS



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Demand Management

Tailored solutions

Answers for mobility.



Traffic congestion is an ever-increasing problem in towns and cities around the world. According to the Eddington report, in the UK alone, £22bn worth of time will be wasted by 2025 due to congested roads.

Siemens understands the impact that increasing demand on the road network places on local authorities and has over a decade's experience of successfully implementing and operating dedicated Demand Management and congestion reducing schemes in challenging, highly visible and politically sensitive environments. We have the experience and expertise to supply and implement solutions such as roadside infrastructure, resilient and secure IT solutions and back-office software to achieve or exceed very high availability and detection service level agreements.

Demand Management, Tolling and Congestion Charging schemes provide benefits to operators and users alike by controlling traffic, reducing congestion and helping to lower the cost of driving. In doing so, they enable the guidance of traffic to lower density routes and ensure mobility in congested urban areas.

Siemens provides complete Demand Management systems including installation, operation, maintenance and service of roadside and back-office equipment.

Current tolling and road user charging technologies from Siemens support a range of different schemes including ANPR cameras, DSRC and satellite-based options, with the company capable of offering be-spoke solutions tailored to individual requirements. In support of this development process, Siemens acknowledges the importance of privacy and security authentication and encryption in the design and delivery of comprehensive tolling solutions.

Siemens is the ideal partner to ensure that the most economical and effective Demand Management solutions are deployed and operated to manage continued traffic growth.



Siemens Demand Management solutions in London

Siemens has worked closely with Transport for London on Demand Management and Congestion Charging for over 10 years.

Most recently, Siemens was selected by Transport for London (TfL) to upgrade and operate the Detection and Enforcement Infrastructure (D&EI) contract through to 2021, including the supply of equipment, systems and services for the capital's Low Emission Zone (LEZ) and Congestion Charging schemes.

Commencing January 2015 with the implementation phase, the new agreement includes the replacement, support, maintenance and operation of Demand Management instation systems and services including business continuity services for both Low Emission Zone (LEZ) and the Congestion Charging schemes. The contract also includes the replacement of ANPR cameras and associated infrastructure for the purpose of enforcement and monitoring. The ANPR cameras will be located on-street across various sites including transportable ANPR for the LEZ scheme.

Transport for London's existing Enforcement Infrastructure contract was also awarded to Siemens in October 2005

and included the supply of a complete enforcement system including over 1,300 automatic number plate recognition (ANPR) cameras deployed at around 300 sites, the cameras and system are capable of capturing and processing details of up to six million number plates every day. As systems integrator, Siemens was responsible for the installation of the ANPR cameras and all on-street equipment (including secure communications), the provision of a Congestion Charging instation and the interface with the core service provider. Siemens was also responsible for all works on the public highways including management of third party contractors, pole erection, installation and alignment of ANPR cameras, traffic management, ground-truthing and installation of electrical and communications infrastructure. Siemens also operates the system on behalf of TfL.

The existing agreement for Siemens to supply, operate and maintain the enforcement infrastructure (known as EISA) is due to expire in February 2016 when the operations and maintenance elements of the new D&EI contract will begin.

With the award to Siemens by TfL of a contract for Traffic Control Maintenance Services and a contract to replace existing speed cameras on selected routes in the Capital, the new D&EI agreement in London is further evidence of Siemens' unrivalled capabilities and emerging technologies including tolling and road user charging.



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