

Bringing service to life

serco

Keeping traffic moving



Serco's traffic control systems are keeping traffic moving in Hong Kong, Sydney and Scotland.

Serco's experience in designing, installing and operating complete traffic solutions is second to none, with successful operations around the world. Here are three examples of Serco's ability to deliver end-to-end traffic management solutions.



In Scotland... National Driver Information and Control System

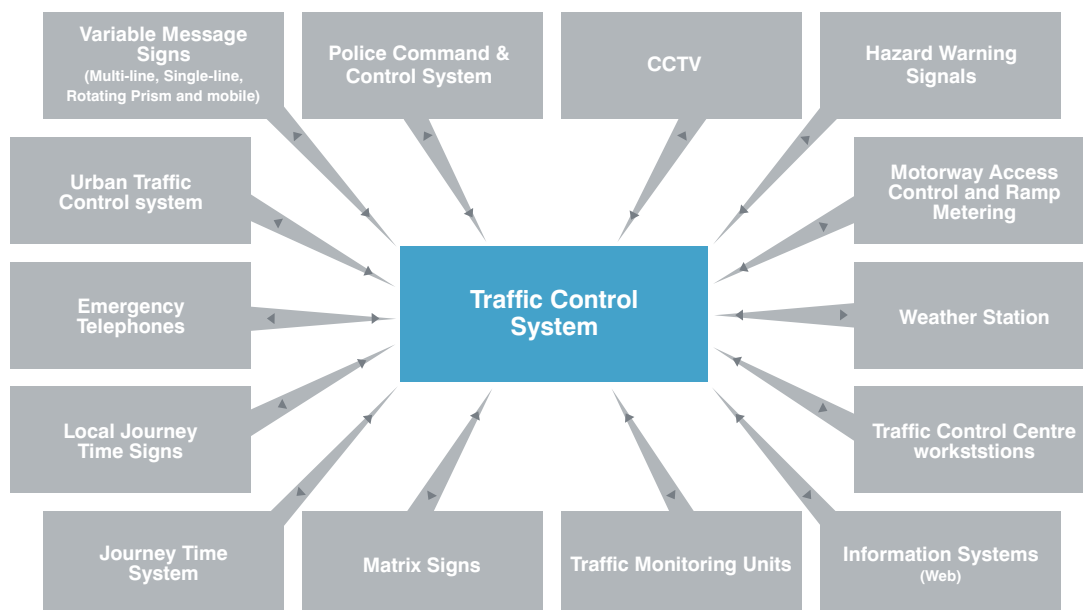
In Serco was awarded the major traffic monitoring and control system contract known as CITRAC/FEDICS in 1992. This contract led to the development by Serco of the Scottish National Driver Information and Control System (NADICS).

This unique project combines the centrally integrated traffic control of the urban motorways throughout Glasgow, with the strategic traffic management and driver information for the majority

of the Scottish trunk road network - with equipment located from Inverness to Gretna and from Edinburgh to Glasgow covering an approximate area of road network 200 miles north-south by 60 miles east-west.

This highly sophisticated and complex integrated traffic management facility is one of the largest traffic control system contracts in the world. It is designed to both increase the throughput of traffic and improve safety on the road network, optimising the use of an already busy road infrastructure at lower environmental and financial cost than the construction of

Innovative solutions for traffic management



Serco secured the Core Enhancement contract for the National Driver Information and Control System which included the replacement of an existing CCTV system (CCTV cameras and associated PTZ units and control), and the video transmission system migration controlled by the Fife Police Control Office at Glenrothes covering the Forth Road Bridge.

new roads. The system is operated from both central and regional Control Offices over local and wide area networks, either automatically or with intervention. It provides a number of co-ordinated incident detection and response mechanisms. These include automatic incident detection and sign setting, closed circuit television, emergency telephones, variable message signing, lane signalling and motorway on-ramp metering.

Central Management Computer System (CMCS) Sydney, Australia

When the New South Wales Roads and Traffic Authority (RTA) implemented an advanced Incident Management System (IMS) in the Sydney Transport Management Centre, for the Year 2000 Olympic Games, Serco was awarded the contract to provide the Central Management Computer System (CMCS). This system manages the complex road



network within Sydney, its environs, Newcastle and Wollongong, and enables strategic management of traffic throughout the New South Wales road network. The system provides the RTA with the ability to effectively manage its road network and to lessen the impact of congestion. It incorporates features such as automatic incident detection and response, variable message and speed control signing, and traffic data collection.

The CMCS played an important role in the management of the road network during this critical world event. Like the NADICS (National Driver Information and Control) system upon which it is based, the CMCS operates 24 hours 7 days a week, and is managed by a large number of operators.

In Hong Kong

The Hong Kong–Shenzhen Western Corridor, Deep Bay Link (DBL) and the Yuen Long Highway road network form a strategic route from Hong Kong to mainland China and is anticipated to carry upwards of 28,000 two-way vehicle crossings per day on opening, rising to 80,000 two-way vehicle crossings per day by 2016. The project is a joint venture between Serco Hong Kong, Serco Integrated Transport and KML Engineering.

The Traffic Control and Surveillance System incorporates 8 full-function,

dual-language, Chinese-English signs and is designed to reduce carbon emissions and improve safety on this strategic network.

Serco Integrated Transport has supplied the control system together with associated testing, training and support. Serco Hong Kong will manage the contract on the ground, supply and install the CCTV, vehicle detection, traffic control devices and communications in association with KML Engineering.

The Traffic Control and Surveillance System went into interim operation in May 2006.



Pending the system being put into full operation when the link opens to traffic the system is providing monitoring and prismatic VMS control for the existing and upgraded associated New Territories Road Network.

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Serco values

- **Delivering improved performance**
- **Efficient and reliable services**
- **Trusted partnerships**
- **Innovative solutions**
- **A proven track record for safety and security**