



SIEMENS

Consultancy Services

Expert traffic engineers delivering sustainable and innovative ITS solutions

siemens.co.uk/traffic

About Us

Consultancy Services is a dedicated team of experienced engineering consultants with a proven track record of delivering Intelligent Transport Solutions across the UK and around the world. We are involved at all stages of the network management lifecycle, from strategy development, planning and concept through to implementation, service delivery and continuous improvement.

Our regionally based UK team enables us to respond quickly to local requirements, with offices located in Belfast, Glasgow, Leicestershire, Poole and London.

As a leading supplier of Intelligent Transport Systems, our engineering consultants have unparalleled access to knowledge and information from system designers, system support engineers and our national field service organisation. This provides our team with a unique insight into the operation of these systems and allows them to develop sustainable, innovative and cost effective solutions.

Training and Development

Our Consultancy team follow a structured training and development programme, including support for certified and project based technical training as well as soft skills training. As corporate partners of the Institute of Highway Engineers, our development programme is aligned to the Professional Certificate in Traffic Signal Control ensuring that our teams receive training in specifically focussed areas required to practice in the industry.

We provide support for continued professional development and encourage all of our team to obtain professional accreditation.



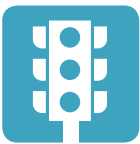
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Network Operation

Traffic Managers face multiple challenges; busy roads, limited resources, budgetary restrictions and ever changing technology. Our team can help meet network requirements by providing operational services including:

- Detailed fault investigation and fix
- Introduction of pre-defined system strategies and operation of planned traffic control strategies, such as those required for events
- System configuration to introduce new ITS elements or make ongoing changes and updates
- Ensure that the operation of all traffic signal installations is as expected
- Investigate areas of improvement through either on street or system configuration changes
- Development of operational strategies



Traffic Engineering

Traffic Engineering expertise consisting of the production of complete Traffic Signal Design packages including:

- Preliminary and detailed AutoCAD drawings for construction in line with local authority and DMRB specifications
- Production of supporting documentation including design risk assessments
- TR2500 controller configuration forms
- Production and testing of controller configurations



Electrical Design

Our qualified team members complete electrical design works in accordance with the latest edition of BS 7671 for:

- Traffic signal installations including all cabling and supply specifications
- Control room equipment
- Other on street equipment such as ANPR, CCTV and VMS



UTMC Communications

Communications networks are an integral element of modern ITS. We can assist by:

- Providing advice on the most appropriate communications solution
- Designing complete UTMC communications networks using a variety of methods including 3G, wireless and fibre



Feasibility & Assessment

Investigations in to scheme concept including:

- Early input in to scheme concept discussions and highway arrangement
- Traffic modelling using LinSig, Transyt or microsimulation packages
- Reports and recommendations on proposals and solutions for a wide range of schemes



Scheme Management

Our experience through the design process and of equipment, installations and operation means that we are ideally placed to help manage installations on street including;

- Project management and site supervision
- Design and planning of traffic management
- Arranging installation and commissioning



Implement & Commission

Ensuring that a scheme is implemented as designed is an important factor in overall network operation. Our activities include:

- ITS Equipment configuration
- Factory and site acceptance testing to ensure that equipment is functioning and communicating as required
- Configuration of systems including UTC and UTMC databases
- Validation of systems and software to include correct operation including CLF, MOVA and SCOOT



Strategy & Demand

Network management increasingly calls on levels of automation within ITS to cope with fluctuations in demand. To improve network efficiency we can:

- Ensure that the installed base of ITS is used effectively to solve real problems
- Create operational strategies through a combination of UTC and UTMC
- Monitor and fine tune these to provide optimal solutions to improve journey time, reduce congestion and improve air quality

Siemens Mobility Traffic Solutions

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