

National Roads Telecommunication Services (NRTS)

Delivering communications solutions across the motorway network.



Peek provides nationwide coverage to the Highway Agency's communications network: installing and maintaining a wide range of communications equipment and cabling.

Voice and Data Communications

A mixture of optical fibre and copper cables alongside the majority of England's motorways transmit voice and data signals from a variety of roadside devices including CCTV, Variable Message Signs (VMS) and Emergency Roadside Telephones (ERT) to Regional Control Centres.

In September 2005 Peek commenced its largest project to date; the Highways Agency (HA) NRTS project. This is a 10.5 year Public Private Partnership (PPP) contract covering the HA road network with the aim of establishing a single national approach to the future of the communications network on England's motorways.

The NRTS project provides a service that carries data from the roadside devices to the various traffic control centres. This involves:

- Taking over and Upgrading the existing Communications Network
- Maintenance of the Communications Network
- Fault response, diagnostics and rectification
- Installation, Testing and Commissioning of Communications Equipment and Cabling

Key Capabilities

- Principal Contractor
- Circuit provisioning
- Fibre Optic cable splicing and testing
- Copper communication cable jointing and testing
- Facilities management
- Project management and programme delivery
- Telecom installation and commissioning services
- Interrupter installation and removal
- Cable and asset location
- Traffic Management planning and co-ordination
- Maintenance of a national communications network
- Power installation and maintenance of power assets
- Fault response, diagnostics and rectification across a national communications network.
- Technical Consultancy Services
- National Operation Centre installation, commissioning and operation for the first two years of the contract.

National Roads Telecommunication Services (NRTS)

Delivering communications solutions across the motorway and trunk road network.

Peek in NRTS

Peek is a performance partner to the GeneSYS Consortium led by Fluor. We provide the field force which operates on the NRTS project. Our responsibilities include reactive and pro-active maintenance, fault rectification and upgrade and installation services on behalf of Fluor and Alcatel-Lucent.

Background

Following decades of regionally coordinated works to enable the existing communications network to cope with the expanding motorway system, the NRTS project was established to deliver a single national approach to the future of this network. The NRTS Contract is responsible for the Highways Agency's national telecommunications network to ensure the provision of a resilient and reliable network whilst also monitoring the performance of the telecommunications services.

Our Responsibilities

Peek's responsibilities include reactive maintenance 24 hours per day, 365 days per year where network availability is paramount. The technology and networks we work on link 22,000 different roadside technology assets to 7 Regional Control Centre (RCC), the National Traffic Control Centre (NTCC) and 15 Police Control Offices (PCOs) across England.



Operations & Maintenance (O&M)

The O&M teams undertake a programme of pro-active maintenance on all NRTS assets, including active and passive infrastructure and Transmission Station equipment as well as providing 24/7/365 fault rectification cover across the country.

New Works Operations

Our engineers perform a NRTS cable location service for any projects being carried out on the HA network; install, maintain and remove bypass (interrupter) cabling to accommodate scheme works, install longitudinal and local cable as an upgrade, renewal or following scheme works and provision for new assets such as CCTV, Emergency Roadside Telephones and Message Signs.

Projects

In addition to the O&M and New Works operations, Peek are also involved in a variety of projects and large national roll-outs such as the IP Emergency Roadside Telephones (ERT) which included the conversion of 6000 devices to new transmission circuitry and the upgrade of 900 IPT units and their associated circuitry nationally.



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Peek is a leading supplier of intelligent transport solutions. For over 30 years, the company has been providing advanced traffic control products and systems, management and maintenance services for both the urban and highways markets. Peek's established and proven portfolio includes traffic management systems incorporating SCOOT, highway congestion management and enforcement systems, vehicle detection systems, public lighting, as well as supervisory and communications systems. Peek is OHSAS 18001:2007, ISO 9001:2008 and ISO 14001:2004 certified.

With headquarters in Basingstoke, Hampshire, Peek employs more than 500 staff throughout the UK. Peek is part of the Traffic and Infra division of Imtech NV, a global technology services provider based in the Netherlands.

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