

## Case Study: Atkins Transport Systems

### Atkins Transport Systems

Atkins Transport Systems (ATS) is a world leader in highway engineering with the total capability to deliver all the processes involved in the planning, design and construction of highways and highway structures.

Its procurement experience includes framework consultant delivering design and project management services, the variations of early contractor involvement and design, build, finance and operation (DBFO) contracts, as well as advisory roles and equity participation in private finance initiatives (PFI) and public-private partnerships (PPP).

ATS designs intelligent transport systems to solve the most complex urban transport problems. Its expertise covers the full range of highways systems, travel information systems, vehicle telematics, and urban traffic management and control systems.



### Managing the technology aspects of the Regional Control Centre (RCC) roll-out

#### The challenge

The Highways Agency (HA) maintains, operates and improves the network of trunk roads and motorways in England. Recent policy decisions have resulted in the on-going transformation of the control of the network from the 30 Police Control Offices (PCOs) to a regime of 7 Regional Control Centres (RCCs). This change is accompanied by the transfer of the majority of operational responsibilities from the Police to the staff of the Highways Agency.

A major consequence of this national programme is the need to merge a large number of systems and associated data stores, together with the introduction of new systems.

#### The solution

In order to achieve the aims of this programme the HA appointed a consortium of consultants, with the requisite skills and experience, to work closely with the Highways Agency staff, stakeholders and other consultancies in a partnership capacity.

The consortium, known as TANDEM, is responsible for the technology aspects of the overall programme and is led by Atkins Transport Systems and supported by IPL, Cambridge Consultants and Hyder Consulting.

The objective of TANDEM is to ensure that the integration of existing systems and the introduction of new systems is effectively planned and executed.

IPL has played an important role in the overall project, including:

- provision of technical advice/reports on subjects such as

Requirements Traceability and Resilience/Risk

- technical support for the design, documentation, planning, data configurations, change control, and testing of the Highways Agency Traffic Management Systems (HATMS) technology
- technical support on the new Command and Control system

#### The highlights

The Highways Agency's road network provides a vital service to commerce and industry and has a huge impact on the lives of individuals and communities.

The RCCs will eventually control 2750 Km of motorway in England (approx 1800 miles), with more than 151 billion vehicle kilometres of journeys taking place on the network every year.

The success of this contract has recently been evidenced by the first RCC going live in April 2005 only one year after the appointment of TANDEM.

IPL has several consultants with long term specialist knowledge in the road transport sector whose expertise continues to be made available to assist the Highways Agency and their partners at both a strategic and at a tactical technical level.

## About IPL

Founded in 1979, IPL has a long history of successfully delivering excellent value consultancy and end-to-end solutions to both the public and private sectors.

IPL's consultancy is renowned for its quality and value. Our consultants are talented and independent-minded individuals with extensive industry experience. We consistently exceed our clients' expectations through a combination of imaginative thinking, managerial and technical expertise and many years of systems engineering experience.

IPL's track record in end-to-end solutions development is exceptional. Our proven development methodology allows us to cut through technical complexity, manage risk and completely focus on delivery. We consistently deliver reliable, efficient and accurate systems to a precise schedule.

IPL is an ISO9001:2000/TickIT registered company having a permanent workforce of 245, revenues of ca. £22M p.a. and 40,000 sq ft of secure office space in central Bath.



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