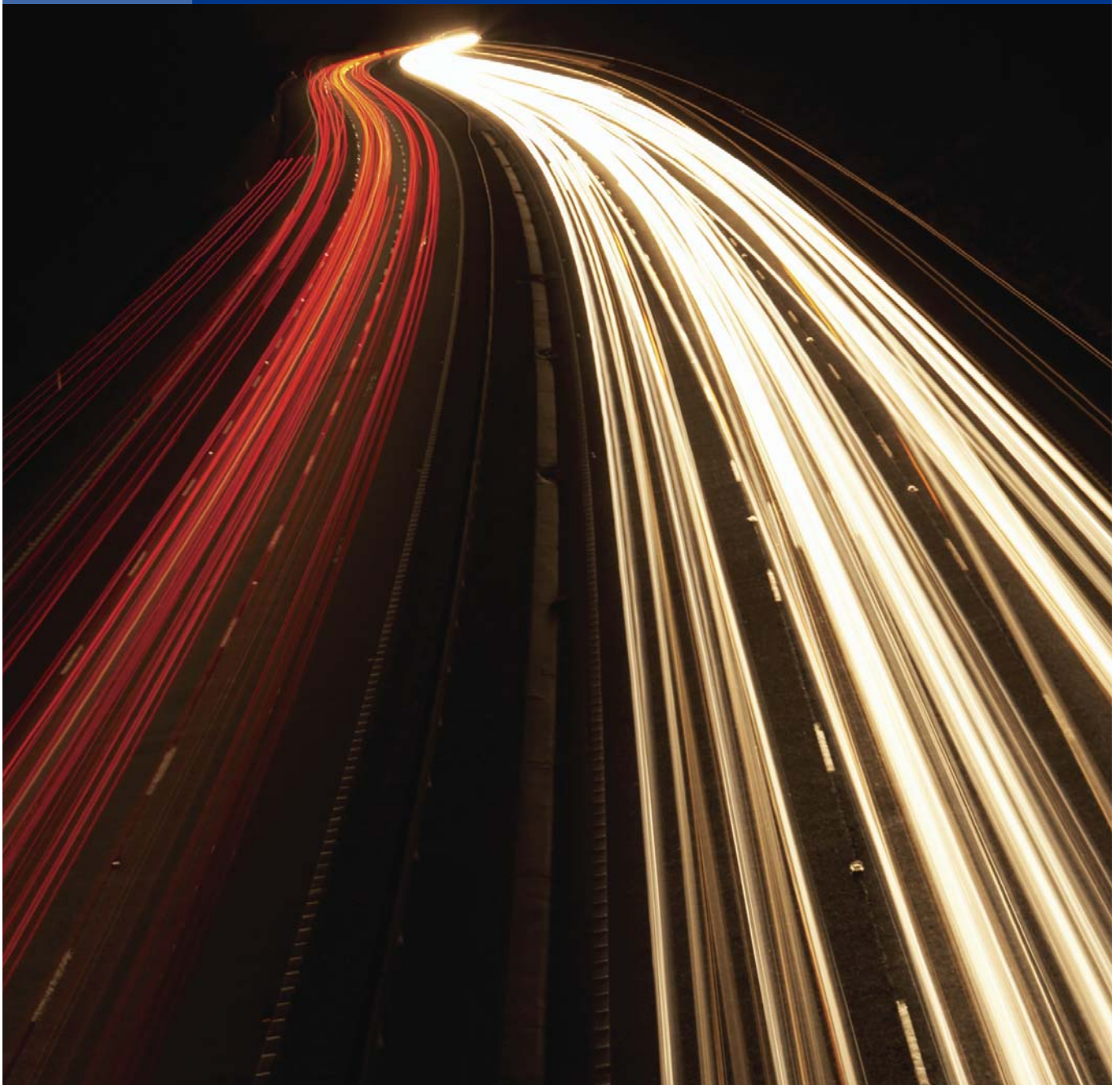




Intelligent Transportation from Steria

Solutions and services for government
and the public sector



Road, rail or air, Steria's objective is the same:

to provide intelligent transportation solutions enabling the secure movement of people, products and vehicles.

We have over 30 years' experience of offering end-to-end services to clients operating within the transportation sector. They depend on our proven consulting, systems integration and managed services to help them transform their operational processes and meet their security and reliability requirements. Our public sector transportation services make full use of the best practice and approaches that we have developed as a result of this extensive experience.

From the development and provision of supervisory control systems monitoring and regulating train traffic and real-time air traffic management simulation tools, to solutions for equipment supervision and integrated multi-modal transport, we work in partnership with our clients. We optimise business processes and technology infrastructures, improve cost control and help our clients make the most of the latest technology innovations to achieve more, for less.

We have active partnerships with leading transport bodies, including Eurocontrol, the European organisation for the safety of air navigation. These ensure we remain on top of industry developments and have the opportunity to help shape strategy.

With a long history of providing our central and local government clients with efficient business processes and effective IT, Steria understands what it takes to achieve or even exceed public sector efficiency targets while maintaining the very highest levels of service. We combine this with our deep transportation expertise to deliver practical, intelligent transportation solutions that get results.





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Steria's solution perfectly meets our expectations in technical, functional and financial terms. We very much appreciated Steria's professionalism, its systematic approach and its quality and development procedures."

Georges Simon, Chief Engineer, Luxembourg Civil Engineering Ministry CITA project to implement an integrated road traffic control and information system.

Keeping traffic flowing

Steria's transportation capability for the public sector can be broken down into four key components, each one meeting a specific transportation need: Traffic Expert[®], Telematics, Asset Management, Resource Management and Command & Control, and Security.

Traffic Expert[®]

Our intelligent Traffic Expert[®] solution for road traffic control systems offers the ability to acquire real-time traffic information, for example on congestion or incidents.

Modular and scalable, Traffic Expert[®] enables operators to perform real-time data analysis on the information gathered. With the right information at the right time, traffic controllers can anticipate events, alert road users, prevent equipment breakdown and co-ordinate action where required, such as contacting maintenance services or the police.

Traffic Expert[®] can interact with management systems for car parks, tolls and tunnels as well as urban traffic supervision and control systems and road user information and support systems. The outcome is enhanced safety, reduced congestion and queue lengths and informed road users able to take evasive action, such as an alternative route.

- In France, our Traffic Expert[®] solutions are used across 80% of road management systems and our solution for the Ile de France highways network, the SIRIUS system, is the country's most important road traffic system in France.
- In Denmark we manage the traffic supervision of the Copenhagen ring road M3 & M10 highway, while in Singapore we have implemented an Expressway Monitoring & Advisory System (EMAS) to ensure driver safety, improve the level of service to drivers, reduce operational costs and reaction time to events, and combine both tunnel and open expressway management.
- The Traffic Expert[®] concept has been further developed for use in other transport areas, such as railways. At Deutsche Bahn A.G. a solution to provide technical equipment supervision of the whole railways infrastructure and emphasise any defects and events that might influence route availability is based on the Traffic Expert[®] solution.





Telematics

We have been providing telematics solutions for over 10 years and have developed a proprietary telematics solution known as Kilometrix. This intelligent vehicle solution for enabling fleet optimisation begins with a simple ‘black box’ – an onboard tracking system that gathers information on the number of kilometres covered, in a totally secure manner. It then feeds back information from each vehicle via a mobile network based on a combination of GPRS and GPS technologies.

Kilometrix has a number of important uses and benefits. For example our clients use it for rescue and assistance purposes to track driver needs and locations. In addition it enables more effective reporting and statistics gathering for optimum fleet management and maintenance. Companies pursuing sustainability strategies can use Kilometrix to monitor their vehicle use and determine the efficiency of routes chosen.

- ➔ A great example of how Kilometrix is being used in the commercial sector is the innovative pay-as-you-drive offers launched by a number of insurers. The Kilometrix system developed by Steria records the mileage, driving time, time of the day when driving takes place, the type of roads taken and other information concerning driving behaviour, all in compliance with the French Data Protection Authority (CNIL) requirements. Drivers using the system will see their insurance premium go down by approximately 12%.

Asset Management

The transportation sector is asset rich: from bridges, track and tunnels in the rail industry to speed cameras and traffic calming and monitoring equipment in road transport, keeping control of your assets is a huge task.

At Steria we have years of experience in implementing best-in-class maintenance management systems and electronic document management systems (EDMS) software packages including SAP, Maximo, Coswin, Datastream, Indus and Documentum. These are vital aids in the pursuit of effective, cost efficient asset management.

- ➔ Steria worked with Singapore’s Land Transit Authority on a large scale implementation of a customised maintenance management system (MMS) software package for its fully automatic, driverless underground North East Line Mass Rapid Transit (MRT) system. The MMS supports the timely maintenance of all the North East Line’s MRT assets in depot, stations and tunnels (rolling stock, track, signalling, SCADA, etc).
- ➔ Steria implemented a leading MMS software package to help Taiwan High Speed Rail manage and maintain over 65,000 Civil Works assets, including viaducts, piers, tunnels and embankments. The solution utilises handheld devices and is helping to ensure safety during operations inspections and conditions assessment and to control maintenance costs.

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Resource Management & Command & Control

Steria's extensive experience in Resource Management and Command & Control systems is being brought to bear in some cutting edge solutions for clients in both private and public sectors. For example, our renowned STORM command and control solution is giving police forces across the UK access to a reliable and resilient support infrastructure that manages interaction with the public, logs calls, allocates the appropriate level of response and makes sure that those on the front line have access to the information they need when responding to emergency calls.

In transportation, this expertise manifests itself in a number of high profile contracts:

- Our Steria ManagAirport® solution has been developed in close collaboration with leading international airport operators and embraces billing baggage handling, baggage screening and management and regulatory reporting. Our solution for Aéroports de Paris includes support to ground resource management and the scheduling and operational management of the human resources involved in the handling services at Orly and Charles-de-Gaulle airports.
- Using the Metro command and control centre and simulators developed for the Paris Transport Authority (RATP), we designed, built and rolled out Swiss Federal Railway's rolling stock operations system (SEMR) based on a centralised information system and using hyperfrequency tags (RFID).

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Security

The issue of transport security touches on everyone who travels by public transport, whether by bus, train or air. Steria has More than 15 years' experience with airports operators, airlines and Air Navigation Service providers and employs over 350 security consultants in Europe alone.

Our security solutions for the transportation sector encompass: risk analysis, flow management definition, implementation of flow control system, access control systems, biometrics solutions, CCTV & video, personnel tracking, auto-ID, and passenger screening. We also deliver solutions covering baggage control systems, building and equipment security, and security of information systems and networks security, as well as command & control systems.

- Our experience in border security includes the development of vital interfaces between the members of the Trusted Borders consortium that is delivering the e-Borders Programme to the UK Government.
- The European Commission launched the EURODAC project with the help of biometric know-how from Steria. The EURODAC system enables member states to identify asylum seekers and people who have illegally crossed an external EU border via a central database.

That's not all...

Our transportation experience extends still further to include a range of solutions having a significant positive impact on the costs and efficiency levels of clients across the world:

- We're helping to track 20,000 taxis across Singapore with a monitoring and tracking solution incorporating real-time GPS data collection.
- We're helping British Airports Authority manage thousands of taxis a day at its airports with our Taxi Expert solution supporting customer demand prediction and local taxi rank management based on mobile client and WiFi technology.
- McDonald's is tracking its delivery bikes with a scheduling tool implemented by Steria
- Zurich International Airport is improving customer satisfaction and security in its car parks with a single access control system built by Steria around the airport user databases and open architecture.

Supporting successful outcomes

Renowned for our ability to form long-term partnerships with our clients, Steria delivers a diverse range of IT-enabled services and efficient business processes to government and the wider public sector that include:

- **Systems Integration & Consulting**
We're working in partnership with the Criminal Cases Review Commission to provide integrated systems and services that underpin complex business processes
- **ERP – SAP /Oracle**
Our joint venture partnership with the Department of Health, NHS Shared Business Services, is Oracle's single biggest customer
- **Web Services**
We designed and now host the Jobs & Skills website (<http://jobseekers.direct.gov.uk>) that provides a database of over a million jobs and learning opportunities
- **Corporate Support Back Office – Business Process Outsourcing**
In a deal that will contribute to savings of 50% of the total Finance function costs, Steria is providing the BBC with efficient Finance & Accounting processes
- **Front Office Business Process Outsourcing**
We're providing front-end business process outsourcing to the UK Identity & Passport Service
- **IT Outsourcing**
We manage the delivery of modern and effective information systems and technology supporting UK offender management via the Offender Management National Infrastructure
- **Applications Management**
Steria built and manages the data aggregation application that underpins the success of the Qualification & Curriculum Development Agency's 14-19 Diploma Aggregation Service



About Steria

Steria delivers IT enabled business services which help organisations in the public and private sectors operate more efficiently and profitably. By combining in depth understanding of our clients' businesses with expertise in IT and business process outsourcing, we take on our clients' challenges and develop innovative solutions to address them. Through our highly collaborative consulting style, we work with our clients to transform their business, enabling them to focus on what they do best.

Our 19,000 people, working across 16 countries, support the systems, services and processes that make today's world turn, touching the lives of millions around the globe each day.

Founded in 1969, Steria has offices in Europe, India, North Africa and SE Asia and a 2008 revenue of €1.8 billion. 16.5% of Steria's capital is owned by its employees. Headquartered in Paris, Steria is listed on the Euronext Paris market.



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