



London is a good example of how **“Complete mobility”** solutions involving the intelligent networking of road traffic and rail traffic can make a positive difference in megacities and their environs.

In 2001, Siemens was awarded a contract to supply 1,200 regional trainsets of the model type Desiro UK in order to create an effective commuting system. The new, comfortable fleet of commuter trains represent a good basis for networking the city’s regional and mass transit systems. With the Heathrow Express and Heathrow Connect, Siemens created a direct link between the airport and central London. Ever since these systems were built, the extremely busy airport can be reached quickly and easily.

In February 2008, Transport for London (TFL) created a citywide Low Emissions Zone (LEZ). Vehicles over 1.5 tons which do not meet defined emission standards have to pay a significant fee. To ensure effective registration of these vehicles, TFL awarded Siemens a contract to install digital cameras equipped with automatic license plate recognition technology at a total of 75 locations. Even before the LEZ was put into operation, TFL had already had good experience with Siemens technology. In fact, TFL had already awarded Siemens a contract in 2007 to install automatic license plate recognition devices in connection with the city toll zone. Everyday, 850 cameras installed at 127 locations register about one million number plates.

The results clearly show just how successful such integrated concepts can be. The volume of traffic in the city has declined by around 20 %, leading to the reduction of 150,000 tons of CO₂ emissions per year. Only eight months after the introduction of the city toll, traffic flows are 37 % faster than before and commuters require about one sixth less time, on average, than before. On British highways Siemens variable message signs are so effectively regulating traffic flow that traffic jams have become shorter. Thus, London is an excellent example of one-stop “Complete mobility” solutions.

Complete mobility.
Integrated solutions for efficient people and freight transport.



Commuter trains Desiro UK



Toll system



Airport link Heathrow Express



Traffic information and control system

Complete mobility.

Case Study: City of London

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The information in this document contains general descriptions of the technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.