



# CASE STUDY

## Data Capture and Analysis Facility (DCAF)

SEA is implementing the Data Capture and Analysis Facility (DCAF), for the Department for Transport (DfT) as part of the DIRECTS road user charging research pilot programme, with the aim of generating an interoperability specification for use by authorities wishing to implement urban electronic tolling schemes. At the heart of DCAF is a high-reliability database and analysis system, custom designed to meet DfT requirements.



The DCAF is now in use in Leeds to provide independent assessment of DIRECTS system performance. It is proving to be an invaluable audit tool for monitoring and analysing the performance of the DIRECTS road user charging trial. The DCAF is being used to report on the performance of the DIRECTS systems on a monthly basis during the Data Capture Phase. The Data Capture Phase is the final stage of the DIRECTS road-user charging trial expected to conclude in the first half of 2006.

SEA's experience in the DIRECTS programme is of interest to regional and local authorities currently considering the use or upgrading of schemes for urban congestion, inter-urban and area charging. Applications include the provision of testing and monitoring equipments for assessment of pilot schemes for the quality monitoring of installed systems. Trialling and modelling skills may at the same time enable cost-effective solutions for the location and mounting of system elements to minimise environmental impact.