



MATTISSE

Midlands Advanced Transportation and Telematics Information System and Strategies in Europe

MATTISSE provides traffic and travel information – putting you in control

MATTISSE is a unique system, originally conceived and developed by a consortium of eight Midlands Local Authorities (LA's): Birmingham, Coventry, Dudley, Leicester, Sandwell, Solihull, Walsall and Wolverhampton.

It integrates systems belonging to operators such as Police Control Centres, The Highways Agency's National Traffic Control Centre (NTCC), Urban Traffic Control (UTC) Centres, LA's and Public Transport Operators, to provide fully integrated traffic and travel information.

MATTISSE successfully manages accurate, real-time information in a comprehensive manner and broadcasts this information extensively around the Midlands. Under a private partnership contract, **telent** is responsible for the operation, ongoing development, and promotion of the MATTISSE system.

UTMC

At the heart of the MATTISSE system is a Urban Traffic Management and Control (UTMC) Common Database. MATTISSE uses UTMC-compliant interfaces to integrate transport systems and make this information available as a management tool and as a means of influencing traveller behaviour.

Benefits of MATTISSE

- Provides real-time traffic and travel information
- Traffic Managers can easily identify congested areas for further investment
- Reduces the amount of time and effort operators have to spend entering data and locating and interpreting information
- Ability to easily interface to common road systems such as; CCTV cameras, car park counters and guidance, Variable Message Sign (VMS) and street works
- Additional providers can easily connect via a common established format (UTMC)
- Allows LA's to view traffic information from neighbouring authorities
- Recognised as the tool for meeting the network management demands of the Traffic Management Act, 2004

Not Just Software

MATTISSE is not just a piece of software, it includes; a UTMC Common Database, regional data inputs (e.g. Trafficlink, NTCC, HANET, Police, UTC), www.help2travel.co.uk and other public websites.

MATTISSE is the only system that combines information from neighbouring authorities into one Common Database.

Behind The Scenes

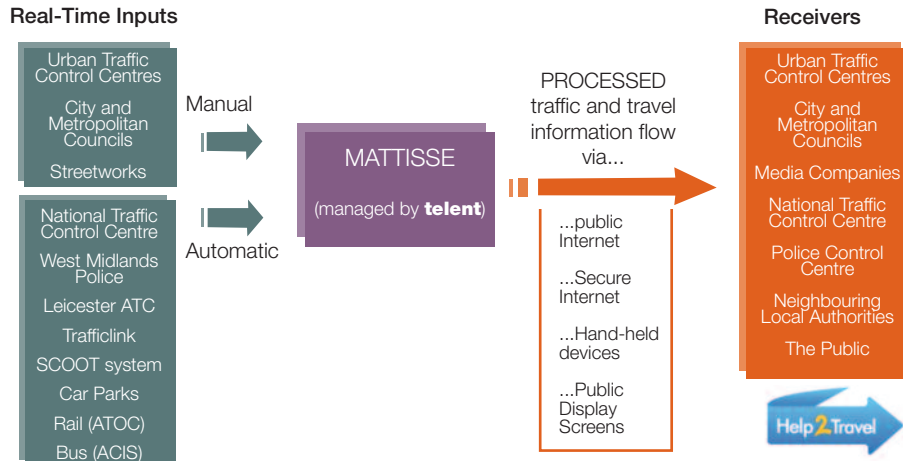
MATTISSE draws data from existing urban traffic and public transport systems and is supplemented by data on traffic events sent from other sources such as police command and control systems.

It processes this raw information so that real-time traffic and travel information may be delivered to the travelling public via a range of channels (including the Internet, public display screens and mobile phones) to provide an informed overview of traffic and travel conditions.

One of the many benefits of MATTISSE is to enable LA's to manage the road network better through the use and delivery of information that is timely and relevant. Periodic reports provide guidance to LA's on areas which would benefit from financial investment.

The MATTISSE system facilitates co-operation between a number of bodies who provide the raw traffic and travel information and those who receive the processed information.

The MATTISSE data flow diagram



Ongoing Developments

telent is developing the MATTISSE system to encompass:

- Additional interfaces to CCTV systems, access to scheduled roadworks applications, and access to floating vehicle data (e.g. bus real-time information systems)
- More comprehensive, personalised information from a wider area, provided in real-time using a variety of technologies. MATTISSE would then enable the likely impacts of traffic density and incidents to be assessed quickly and effectively
- Additional functionalities offering Traffic Managers both historic and real-time monitoring and reporting facilities
- A choice of alternative routes depending on the real-time status of the available transport modes for the traveller's chosen route.
- Map, freight and cycle route developments

For more information, contact us at: services@telent.com

telent Facts

- MATTISSE takes data in real-time from numerous systems operated by ACIS, ATOC, Dambach amongst others and translates them into one system
- MATTISSE is the only system that combines information from neighbouring authorities into one Common Database
- MATTISSE is not just a piece of software, it includes; a UTMC Common Database, regional data input, and the www.help2travel.co.uk public website
- MATTISSE collates incidents, road works, events, CCTV images, VMS, car parks, bus & train travel information
- **telent** has experience in developing and maintaining UTMC compliant systems
- **telent** can design and implement bespoke traffic and travel systems
- **telent** has over 30 years' experience in delivering roadside communications infrastructure for The Highways Agency
- **telent** has working partnerships with Geographical Information System (GIS) specialists and other traffic systems suppliers
- **telent** is committed to working with its customers to develop long-term collaborative and strategic partnerships

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Point 3, Haywood Road
Warwick CV34 5AH
United Kingdom
Telephone: +44 (0)800 783 7761

www.telent.com

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