

Innovative and free, the traffic information service via your mobile, in real time

Patented by Transdev, MOBITrans® has been developed with Mobivillage (mobile telephone expertise) and FaberNovel (innovation support).

This service is unique in France, operational for the first time in Nantes in September 2003, throughout the Semitan bus and tram network. Effective in the Montpellier region since October 2004, and in Orléans since October 2006, MOBITrans® is currently rolled out in Grenoble.

An innovative concept

MOBITrans® enables users to manage their travel time more efficiently by providing real-time information about the public transport network, accessible directly from a mobile phone connected to the mobile Internet (WAP or I-mode™).

Principle of use

Users can access two types of information: waiting times and information about traffic disruptions.

Waiting times

Users can consult, in real time and for the stops of their choice, the waiting time for the next two buses or trams, in both directions. Searches can be performed by stop name, street or route number. The phone then displays the name of the stop and, for each direction, the actual waiting time for the next two vehicles.

Traffic information

Users are informed of disruptions affecting traffic on the route(s) that interest them. By simply entering the number of the routes, an information message is received concerning possible problems.

Personalisation

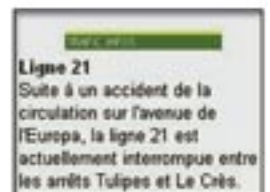
Users can enter their most-used stops in the “favourites” section, giving them rapid access to personalised information.

Easy to access (example in France)

All you need to do is send an SMS with the word “mobitrans” to 30130 and the mobile Internet site will be added to your favourites. Alternatively, you can gain access via the Gallery® search engine or I-mode™.



EXAMPLE DISPLAY
“WAITING TIMES”



EXAMPLE DISPLAY
«TRAFFIC INFO»

MOBITrans® has been designed so that it can be adapted to any transport network. Via the service access gateway, simply select your town or network. Both the navigation and functions of the system will be the same for all networks using it: MOBITrans® subscribers will be able to access this service in all enabled towns.

Accessible from telephones connected to the mobile Internet, MOBITrans® has been adopted by all the telephone operators in France: Orange, SFR and Bouygues.



Operating principle

Waiting times

Waiting times are calculated based on information retrieved by the VSCS (Vehicle Scheduling Control System). The position of the vehicles given by GPS makes it possible to establish the difference between the actual arrival time at a given stop and the timetabled arrival time. This difference is then applied to all the stops served by the bus or tram, in relation to the official timetables supplied by the transport operator.

Traffic information

The gateway search engine retrieves information in HTML format from the transport operator's website. This information, classified by line, is then interpreted for transmission to the mobile phone of the user.



Data management

Waiting time and traffic information data is collected and stored on a dedicated MOBITrans® server. When a user connects to the service, the system sends him or her the waiting times and any traffic information for the requested stop and route.

Deployment

MOBITrans® has been designed to be deployed without requiring any further developments other than the individual VSCS interfaces for each network, as the service is subject to unique referencing with the three mobile telephony operators in France.

A scaled down version of MOBITrans® is also available, providing theoretical vehicle waiting times.

This system is particularly designed for medium-sized towns and networks that do not have a vehicle scheduling control system.

Given the simplicity of MOBITrans®, it will easily evolve in step with communication technologies (GPRS, GSM, I-mode™ and tomorrow, UMTS), being adapted to the size of the network, the number of vehicles in operation and the number of subscribed travellers.

MOBITrans® is patented by Transdev and Mobivillage