MORYNE

EnhanceMent of public transpORt efficiencY through the use of mobile seNsor nEtworks

MORYNE aims to contribute to:

- greater transport efficiency
- increased transport safety
- a more environmental friendly transport

by improving traffic management in an urban and sub-urban area.

MORYNE will provide an effective co-operative system, by using public transport vehicles (e.g buses) as elements of a network of mobile sensors, communicating with the infrastructure, and setting up co-operation between public traffic management and city traffic management.

More Information:

www.fp6-moryne.org

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Within the **MORYNE** project, the cooperation loop will be the following:

- Public transport vehicles will be equipped with sensors that will collect data about the vehicle environment
- Sensor data will be processed locally and in real-time to generate information which will be sent to a Public Traffic Management Centre through reliable and cost-efficient radio communications
- The Public Traffic Management Centre will make the collected information available to a City Traffic Management Centre to provide an up-to-date picture of the traffic situation
- The City Traffic Management Centre will derive traffic management decisions always going through the Public Traffic Management Centre before being sent to appropriate distributed Traffic Control Devices (e.g. Variable Message Sign panels) and to vehicle drivers (via PDA, Internet, message broadcasting…).

MAIN OBJECTIVES

MORYNE focus on:

- The development of an approach for new safety- and efficiency-oriented transport management and traffic management
- The development and validation of technologies for appropriate sensing, information processing, communication, interfaces
- The development of an in-laboratory demonstrator
- The validation of the proposed concepts through field testing with Berlin Buses Authority
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The analysis of potential impacts (social, economic, environmental) and the definition of further steps

Project Acronym:	**MORYNE**
Project Reference:	**IST-2004-027041**
Contract Type:	**Specific Targeted Research Project (STReP)**
Start Date:	**01/01/2006**
Duration:	**24 months**
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Project Cost:	**3.901.015 €**
EC project funding:	**1.999.940 €**

Participants:
The consortium consists of 10 partners: EADS SN SAS, EADS SN GmbH, MARTEC, MULT, TEMEX, EUSKALTEL, GMV, KTI, BVG and MRBC.

The project is coordinated by EADS Secure Networks France