

# iTETRIS

## An Integrated Wireless and Traffic Platform for RealTime Road Traffic Management Solutions

Project No.:  
**224644**

Starting date:  
**01/07/2008**

Duration:  
**30 months**

Total cost:  
**€ 4.462.205**

EU Funding:  
**€ 2.968.999**

Total cost for Bologna  
Municipality:  
**€ 92.706**

EU Funding for Bologna  
Municipality:  
**€ 69.530**

Funding Programme:  
**7th Framework  
Programme: ICT for  
Cooperative Systems**

## PARTNERS

### Coordinator:

Thales Communications SA  
(FR)

### Partner:

Bologna Municipality (IT)

Eurecom (FR)

Hitachi Europe SAS (FR)

Universidad Miguel  
Hernandez (ES)

CBT Comunicación &  
Multimedia (ES)

Asociación de empresas  
tecnológicas Innovalia (ES)

Peek Traffic B.V. (NL)

German Aerospace Centre  
DLR (DE)

## BACKGROUND

Wireless vehicular cooperative systems have been identified as an attractive solution to improve road traffic management. The use of V2V (vehicle-to-vehicle)

and V2I (vehicle-to-infrastructure) technologies can not only help reducing road fatalities but also a more efficient and adaptive traffic management that contributes in reducing energy and environmental costs while improving our lives.



- analysis of the current situation (existing databases on mobility and software for urban mobility management);
- development of new algorithms and a new model for mobility management;
- tests and simulations about complex mobility scenarios.

## AIM

The goal of iTETRIS project is to carry out research activities on the above mentioned technologies so as to **develop new software solutions for advanced simulation platforms to a more efficient urban mobility management.**

## ACTIVITIES

The project includes activities of research, management, demonstration and communication. Most activities will focus on research, and in particular:

## EXPECTED RESULTS

The new technologies developed by iTETRIS are expected to have a remarkable impact on urban mobility as regards traffic congestion.

A less congested traffic means a higher performance of all the production activities depending directly on traffic fluency, as well as a better quality of life for all the citizens, thanks to a reduction of air and noise pollution.



### Project Manager

**Cristina Gironimi**  
Comune di Bologna  
International Relations,  
Cooperations and Projects  
Tel. +39 051 2195163  
[cristina.gironimi@comune.bologna.it](mailto:cristina.gironimi@comune.bologna.it)

### Technical Coordinator

**Fabio Cartolano**  
Comune di Bologna  
Urban Mobility Dep.  
Tel. +39 051 2193071  
[fabio.cartolano@comune.bologna.it](mailto:fabio.cartolano@comune.bologna.it)

### Transnational Coordinator

**Eric Robert**  
Thales Communications SA  
Tel. +33 (0)1 46 133 192  
[eric.robert@fr.thalesgroup.com](mailto:eric.robert@fr.thalesgroup.com)