



# Smartfreight

## Intelligent freight transport within urban areas

Project No.:  
**216353**

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

Duration:  
**30 months**

Total cost:  
**€ 3.012.324**

EU Funding:  
**€ 2.200.000**

Total cost for Bologna  
Municipality:  
**€ 66.500**

EU Funding for Bologna  
Municipality:  
**€ 33.205**

Funding Programme:  
**FP 7 - ICT for Intelligent  
Vehicle and Mobility  
Services Collaborative  
Project**

### PARTNERS

**Coordinator:**

SINTEF (NO)

**Partners:**

Comune di Bologna (IT)

Q-Free (NO)

ETRA Investigación y  
Desarrollo, S.A (ES)

Norwegian Public Road  
Administration (NO)

Dublin Transportation Office  
(IE)

University of Southampton  
(UK)

Chalmers tekniska högskola  
AB (SE)

POLIS (BE)

Asociación para el desarrollo  
de la logística (ES)

### BACKGROUND

Freight transport is very important for the city business and also crucial for its life quality. Its rationalization process cannot but take into account on one hand the urban mobility in general and the number and distribution of the parking places in particular, as well as the recommended routing and re-routing for goods' deliveries.

### AIM

The SMARTFREIGHT project aims at implementing the most advanced ICT technologies to improve the urban traffic of freight vehicles, thus improving the business performance of down town areas of our cities without penalising the citizens living in those areas.

The functional aspects of the platform, being its technology not yet advanced, will be first tested through simulators (based on real data) then, if successful, tested on the field.

### ACTIVITIES

The project will develop a new platform, based on CALM protocol (ISO CERTIFIED for the heterogeneous communications



among mobile equipment), able to monitor every single vehicle providing goods' deliveries within the urban area. This will allow the vehicle to be given the best route to take, on the ground of the existing traffic conditions.

### EXPECTED RESULTS

Thanks to the new ICT services based on CALM and their support to urban traffic, it will be possible to plan in the optimal way the freight distribution on a local scale.



[www.smartfreight.info](http://www.smartfreight.info)

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