THALES







Instant MobilityA PPP FI proposal in the Transportation domain

Patrick Gatellier – Thales Theresis Innovation Lab. Thierry Nagellen – Orange Labs



Signalling

secure communication technologies



Communication & Supervision

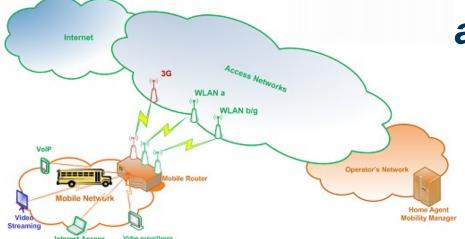


Revenue Collection





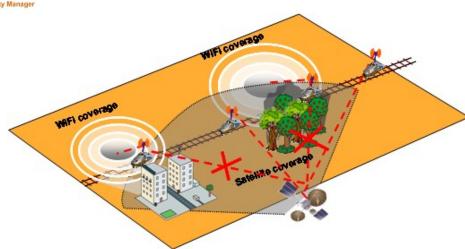
Connecting vehicles & infrastructure



Real-time ITS: Beyond geolocalisation and info-traffic

Connecting travellers

Complementarity of access networks: TGV connection example





(HTTP-ftp)

The **Instant Mobility** project



Thales and Orange are Co-Leaders of the Instant Mobility Usage Area project

- A global proposal for a 2020 vision... with 2014 first outcomes
- Targeting real-time services for city traffic, car and multimodal journey optimisation, and efficient city logistics
- Building-up a next-generation services platform for future travel modes and added value business
- Working closely with local authorities, transport operators and service providers
- Shaping the next wave of transport, mobility and logistics





Global system view (+)













Community shared resources



Innovative Internet Functionalities

- **(**
- Sensors and actuators networks => Internet of Things
- Real-time services based on always connected paradigm
- Social networks capabilities to enhance ad-hoc personalisation
- Geo-localisation: real-time, systematic and continuously updated
- Managing large amounts of data
- Innovative schemes/tools for data protection
- Enablers expected of the Core Platform:

data management and data mining support;

context awareness adaptation;

communication services;

Internet of Things facilities.



A world-class consortium



- Consortium built around ICT industry and telecoms
- Automakers and suppliers
- Transport operators (urban, rail and freight)
- Infrastructure operators and local authorities
- Logistics operators
- ICT and transport R&D centres
- > Possible trials in several urban areas
- Common trials should be planned, e.g. with Utilities& Environment project, or Smart Energy Grid project





Instant Mobility Ecosystem View (+)





→ Adopt and evaluate

→ Advisory boards (academia, industry, users) → Advice & Validation → Have access to specific results

"Advisors & Promoters"

→ Participation to workshops

"Core Partners"

→ Drive the Project Activities → Collect & evaluate input

→ Define scenarios

→ Establish technical baseline

"Stakeholders Board"

→ Validate Project Choices → Provide more Input

→ Have access and use to project results

→ Participation to meetings





Instant Mobility Consortium (+)













SIEMENS























patrick.gatellier@thalesgroup.com or thierry.nagellen@orange-ftgroup.com



