



Galileo Research Activities

Introduction of Galileo Services Using EGNOS

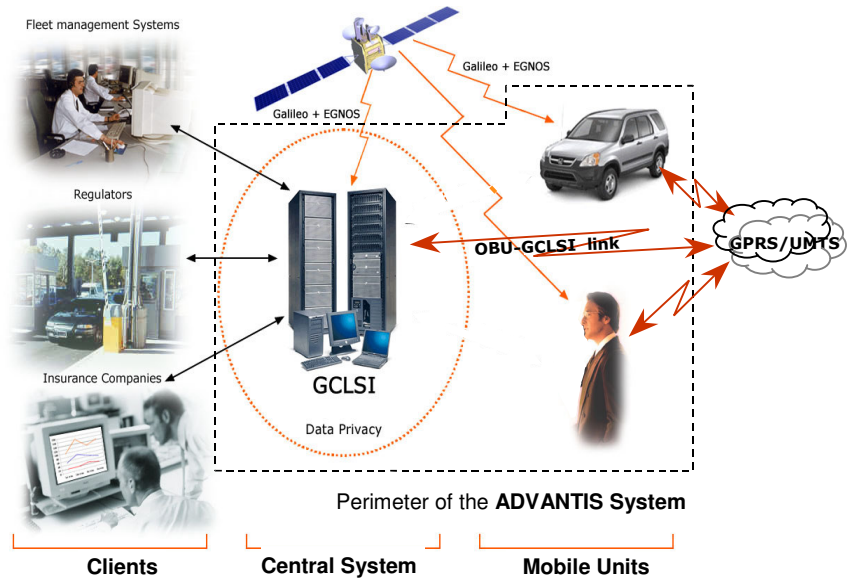
Advantis

The value of Integrity and Interoperability

A Centralised Integrity Guaranteed Localisation Service

An answer to the needs posed by applications based on satellite navigation where **integrity** of the positioning and/or timing becomes essential.

An efficient way to put in contact the individuals that regularly use non-navigational location-based services with the companies and organisations providing these services.



Advantis will define a centralised system, and associated business model, to provide final users with multiple liability-critical integrity guaranteed position services using single mobile equipment.

The system is based on the enhanced service provided by EGNOS and Galileo.



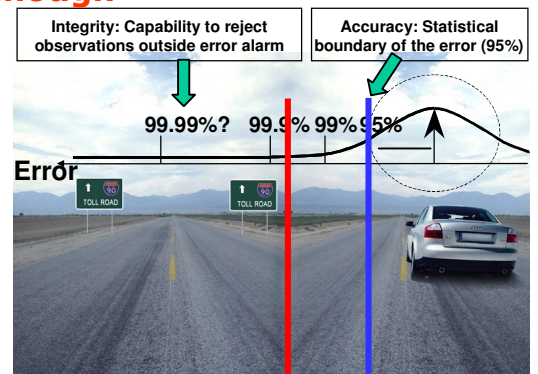
Advantis project is developed under Activity C: Introduction of Galileo Services Using EGNOS of the Galileo Joint Undertaking within the first call of the 6th Framework Programme

The concept will be proved by the implementation of an Advantis prototype and the execution of a relevant set of trials.

Where Accuracy only is not enough

Main Areas of application

- Transport Regulators
- Road transport and urban mobility
 - Automatic tolling
 - Congestion Control systems
- Traffic Regulation Enforcement
- Auto insurance companies.
- Justice / Police



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Advantis Consortium

Advantis is developed by a consortium, lead by GMV SA, composed by



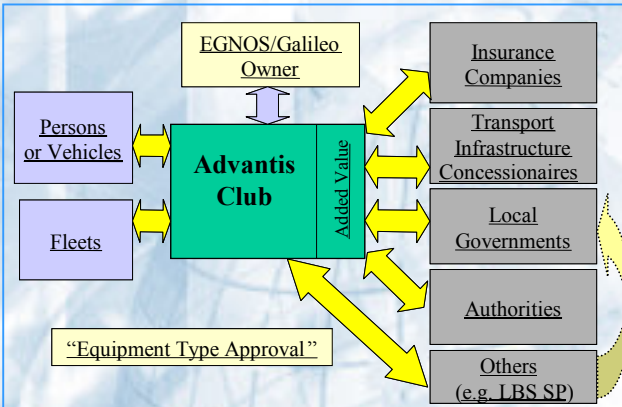
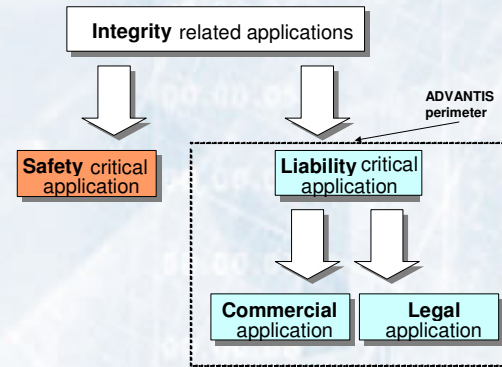
and supported by

The value of Integrity

ADvantis concentrates on the value added of integrity in two categories of "liability critical" applications:

Commercial: Integrity is the base to build up confidence between two parties when position or time are contractually critical. Should a conflict arise, integrity will provide the means to solve it.

Legal: Integrity is required because position or time are used to establish legal responsibility.



The value of Interoperability

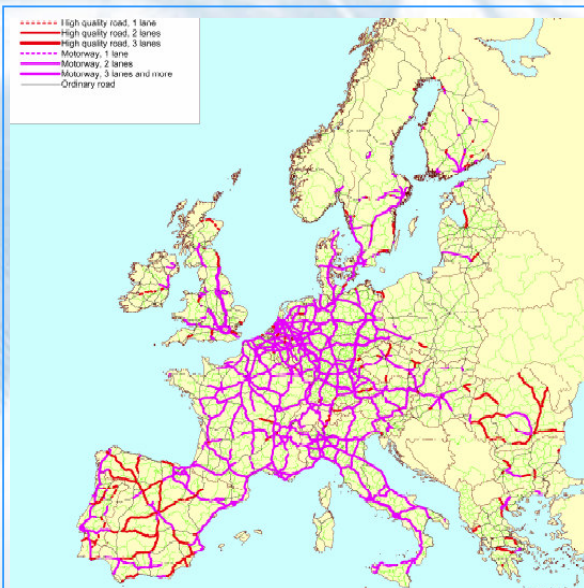
A "club" that links **single terminal** equipped mobile agents with **multiple clients**, i.e. different companies and organisations that exploit localisation data to offer multiple services

Value added to both sides by **guaranteeing** that the mobile agent localisation is known at a certain time within specified limits.

A key for the EGNOS and Galileo Business Model

"ADvantis Club" is a revenue collector for EGNOS and Galileo OC generated from the contract established with ADvantis Customers.

ADvantis is a major enabler that justify the **commercial feasibility of Galileo.**



Fostering the EU Transport Policy

ADvantis will support the implementation of the transport policy

- Providing the basis to implement secure, flexible and differentiable road charging policies
- Meeting **EFC Directive** requirements
 - system available as soon as EGNOS is operational.
 - reliability increased when Galileo is put into service.
 - complies with the single invoice per client principle.
 - efficient and cheap single_terminal/multiple_services.
 - no specific new infrastructure to implement a new service.
 - Flexibility for non-transport applications
- Ensuring Interoperability