

Intelligent Roads is the official newsletter of the GIROADS Club

MENTORE Pilots start

MENTORE (iMplemENTation of GNSS tracking & tracing Technologies fOR Eu regulated domains) partners reached an exciting phase of the project with the implementation of the 5 pilots' demonstrations and the organisation of the MENTORE Event. The activities performed this autumn 2008 represent an important step towards the consolidation of the first project's results which are a major contribution to the MENTORE Roadmap.

Pilots in detail

Following the complex design of the pilots' demonstrations technical architecture, October 2008 saw the execution of the 5 pilots applications. The challenge was to prove EGNOS benefits for better accuracy and more reliable position in a sample of interesting applications.

Pilot 1 - Tracking and Tracing Services for fissile and radioactive/nuclear transport: two vehicles equipped with an EGNOS On-Board Unit have been tracked and traced during their transportation of nuclear material in the area near Milan (Italy) and in France.

Pilot 2 - Tracking and Tracing Services for livestock management: a truck of poultry equipped with On-Board Unit and temperature sensors have been tracked and traced while circulating in Spain.

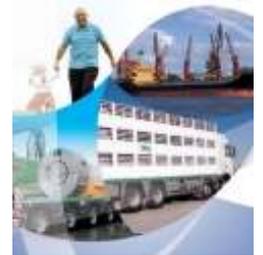
Pilot 3 - Tracking and Tracing Services for dependent people: the solution has been operated for geopositioning, geofencing and emergency assistance services of elderly people and children. A specific remote device (a locator now and a bracelet in the future) was tested to localise its user and to allow him/her to trigger manual and automatic alarms in case he/she goes out of a predefined perimeter. The trial took place in Chatillon (France).

Pilot 4 - Tracking and Tracing Services for e-Custom: a container of tobacco which arrived at Taranto harbour (Italy) was tracked during its transportation via railway to Bologna Freight Village.

Pilot 5 - Tracking and Tracing Services for city logistics: two vans have been tracked when delivering parcels in Bologna city centre (Italy). This trial was run in parallel to the VanSharing

project trial which aims at rethinking the urban freight distribution in order to

face growing challenges of congested urban area, increasing transport costs and environmental issues.



MENTORE Event

MENTORE hosted its first event "Galileo & EGNOS for public interest services", in Brussels on 25 November 2008. It allowed promoting the project's first outcomes and raising the interest of various stakeholders on existing business opportunities where EGNOS and Galileo are key assets.

The project partners welcomed 70 participants composed of high-level speakers, GNSS experts, standardisation and...

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... regulatory bodies (ETSI, CEN, French Ministry of Transport, etc.) and end-users. They were offered a large overview of the institutional and regulatory scenario regarding GNSS and were treated to the first showing of the MENTORE movie. This documentary based on shootings made during the real-life trials explains what EGNOS is and its specific use for regulated domains.

The event was also the occasion to make the participants contribute identifying barriers and enablers to EGNOS/Galileo



introduction by debating with a Focus Group composed of end-users and experts, and by completing a questionnaire which results will be used in the conclusions to be prepared in the last phase of the project.

These conclusions will be largely diffused during the final event of the project which is still under preparation. In the meantime, MENTORE partners already confirmed their participation to major international events in 2009, among which ECN GNSS (Naples, Italy May 2009) and the ITS World Congress (Stockholm, Sweden September 2009).

MENTORE first outcomes

Ideas surfaced during the MENTORE event open debate and conclusions from the survey have been compiled in a White Paper. The goal of this White Paper is to draw a list of priority actions that will constitute the core of the MENTORE roadmap for 2009.

Among other actions, the participants insisted on the necessity to push for a minimum set of common standards to adopt and deploy EGNOS/Galileo-based technologies and services for the regulated market. Some end users attending the event requested for further discussions



and actions on the cost of the devices. In addition, participants identified a list of drivers (harmonisation and standardisation of GNSS system and operational procedures, appropriate regulatory framework, establishment of a Service Level Agreement with a Service Provider and clarification of its liability, etc.) and of obstacles for the implementation of EGNOS/Galileo-based public interest tracking & tracing services (further delay of EGNOS and Galileo, unclear added value, unclear business cases, etc.). The White Paper, as well as the presentations delivered during the event, the MENTORE movie and the questionnaire are available on the MENTORE website: www.gnsstracking.eu.



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