



Showing the Path to Intelligent Roads

GIROADS in a nutshell

Transport at a crossroads

Envisioning road transport in 2020 is inherently linked to smoother and safer road traffic, an efficiently used road network and empowered motorists capable of making informed route choices.

The reality today is starkly different. Congestion plagues many road networks to the extent that a European statistic recently suggested up to 7,500 km of motorways are bottlenecked on a daily basis with significant economic repercussions. Lack of adequate road user charging mechanisms often mean what motorists pay into the system (registration taxes, fuel duties, etc.) does not translate into road improvement projects. Finally, with 50,000 fatalities last year in the European Union alone, the dramatic death toll on our roads remains without doubt the greatest threat of all.

“Smoother
and safer
traffic
in 2020”

Through **GPS** and **EGNOS**, satellite-based Intelligent Transport Systems (ITS) already constitute an important component of the global answer to the challenges raised by increased personal and freight mobility. In a matter of years, the integrity, continuity, accuracy and availability provided by the GALILEO satellite system will open the doors to new ways of reducing the negative impact of road transport while at the same time offering new services to a wide range of stakeholders.

Showing the path to intelligent roads

GIROADS (GNSS Introduction in the ROAD Sector), a 24-month project commissioned by the **Galileo Joint Undertaking (GJU)** with funds from the European Commission's 6th Framework Programme for Research and Technology Development, will aggregate the road community's proposals to facilitate the technical and commercial introduction of Europe's satellite navigation programme to the road transport sector.

The road sector represents one of the largest mass markets for GNSS technology applications both in terms of number of users and business volume with a continuous growth of demand expected in the next decade. The underlying philosophy behind the **GIROADS** project is that a number of key applications have the potential to become enablers of transport policy as a whole while giving rise to commercially viable service provision schemes of interest to a wide range of stakeholders. These applications will be individually analysed to understand user requirements, assess the existing regulatory framework and build a realistic market study that can serve as a reference to the sector.

GIROADS will base its technical programme on an architecture which associates existing components previously developed under GJU-funded research projects (ADvantis, VeRT and SCORE) within an open, robust and scalable system which can support application-specific service centres through a through a common technical structure.

The GIROADS Partnership

Achieving a shared understanding of the relevance of Europe's satellite navigation programme to the everyday needs of the road transport sector is a decisive step in its ultimate acceptance by the road users themselves, a mission which the **GIROADS** consortium is uniquely positioned to fulfil.

GIROADS is a partnership of 31 organisations spanning geographic regions and areas of interest.

Led by the **European Union Road Federation (ERF)**,

an independent and well-established non-profit organisation which co-ordinates the views of Europe's road sector, the consortium involves some of the most representative actors of the road and GNSS communities.

“a partnership of 31 organisations spanning geographic regions and areas of interest”

- The European Union Road Federation (ERF)
- Alcatel Alenia Space France
- Alcatel CIT
- Alcatel Alenia Space Italia
- GMV Sistemas S.A.
- Grupo GMV S.A.
- Soluciones Globales Internet (SGI) S.A.
- Asociación Española de la Carretera (AEC)
- 4iCom - PYRAMIS S.A.R.L
- Ian Catling Consultancy (ICC)
- TTS Italia Associazione Italiana della Telematica per I Trasporti e la Sicurezza
- Bain & Company Italia
- HITEC - Vereinigung High Tech Marketing
- BRISA Auto-Estradas de Portugal S.A.
- Autostrade per l'Italia ASPI S.p.A
- Sinelec S.p.A.
- Telespazio S.p.A.
- MAPFRE Mutualidad
- Pagnanelli Risk Solutions Ltd.
- France Telecom S.A.
- European Satellite Services Provider EEIG (ESSP)
- Futian Transportation Consultants Co
- Universidad de Murcia
- Universitat de València
- Laboratoire Central des Ponts et Chaussées LCPC
- Geoville Information Systems GmbH
- NEXT Ingegneria dei Sistemi S.p.A
- ATAC S.p.A.
- THETIS S.p.A.
- Asociación Cooperación Sino Española en Tecnología e Innovación (CSETI)
- Telvent Control Systems (Beijing) Co.

Join the GIROADS Club Today !

GIROADS has established a dedicated Club for the benefit of stakeholders who wish to be associated with the output of the project. Under the chairmanship of a senior policy-maker, the "**GIROADS Club**" will constitute the main framework for co-operation between the project and the potential community of users, with the aim of establishing a forum for the generation of input to the project. Club members will be invited to bring in their expertise in return for first-hand information on project results, dedicated information services and invitations to all project events.

Joining the **GIROADS Club** is easy and free of charge. Simply complete the form below and ERF will address you a full Membership package.

GIROADS Club Expression of Interest form

Title (Mrs/Mr/Dr):		
Name:		
Organisation:		
Adress:	Postcode:	Country:
E-mail:	Tel. number:	
Areas of interest:	<input type="checkbox"/> <i>Route guidance</i>	<input type="checkbox"/> <i>Emergency services management</i>
	<input type="checkbox"/> <i>Traffic management systems</i>	<input type="checkbox"/> <i>Insurance pricing</i>
	<input type="checkbox"/> <i>Fleet management</i>	<input type="checkbox"/> <i>Accident reconstruction</i>
	<input type="checkbox"/> <i>Freight transport management</i>	<input type="checkbox"/> <i>Security</i>
	<input type="checkbox"/> <i>Infrastructure management</i>	<input type="checkbox"/> <i>Other</i>
	<input type="checkbox"/> <i>ADAS applications</i>	

Complete and return this form to:

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