

LIVELINE - Live ICT services Verified by EGNOS to find Lost Individuals in Emergency situations

The objective of the Liveline project is to develop a commercial, secure location sharing service based on EGNOS/EDAS for vulnerable people.

A vulnerable person is somebody whose unexpected absence creates high level of concern and anxiety at the side of his or her close relatives and caretakers, as they may not be able to find their way back home and easily become victims of accidents or crime.

Liveline focuses on vulnerable people in a family context, e.g. children and elderly people. Secure location sharing of a vulnerable person's position saves critical search time, takes away needless worries and reduces unnecessary police interventions.

The final goal of the project is both, a commercial service and a commercial product that combines the security expected from a location sharing system with the joy expected from a social web application. Families who need a 'finder' service are prepared to pay for the service if it proves to be secure and reliable.

Consortium Members



name: **DKE Aerospace Lux s.à.r.l.**
status: **Live!**
message: Engineering and Management Consultancy Firm
distance: 188 km
location: 11, rue Pierre Werner, L-6832 Betzdorf, Luxembourg
www: dke-aerospace.com

contact: coordinator
tel: +352 270 779 20
email: bg@dke-aerospace.com



name: **bliin B.V.**
status: **Live!**
message: Live Location Sharing
distance: 174 km
location: Postjesweg 29/2, 1057 DV Amsterdam, The Netherlands
www: bliin.com

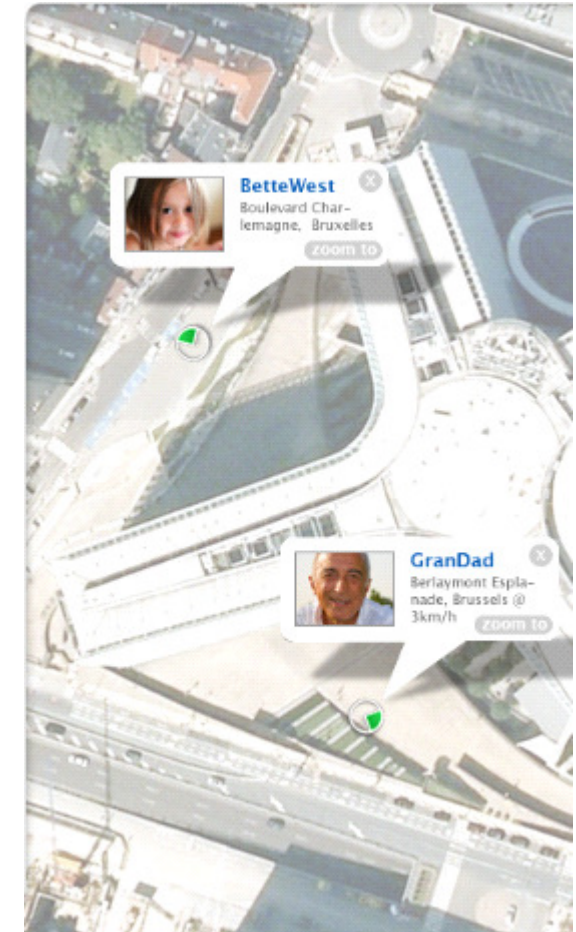


name: **itrust consulting s.à.r.l.**
status: **Live!**
message: Tailoring information security to business requirements
distance: 189 km
location: 18, Steekhaul, L-6831, Berbourg, Luxembourg
www: itrust.lu



name: **EHSAL-HIG**
status: **Live!**
message: Higher Institute for Family Sciences
distance: 4 km
location: Huart Hamoiriaan 136, 1030 Brussels, Belgium
www: hig.be

www.liveline-project.eu



Project objectives and expected results

A first objective is to obtain a better understanding of the user and stakeholder requirements related to secure location sharing systems, including the expectations, concerns, rights and obligations of the people being located and their relatives. In this way, Liveline wants to contribute to the public debate concerning location privacy. Introducing security in social location based services and location sharing systems will prevent abuse and create a positive awareness in society about location based services.

At the technical side, EGNOS and EDAS will enable accurate and reliable position determination. The determined user requirements will be the basis of the design of the ICT platform. Security including data protection at all levels will meet both European legislation and will protect the interests of the user communities.

As a secure and reliable software product, Liveline can also meet the requirements of private organisations that have a regular need to know their workforces' locations.

Project Innovation

The Liveline project has a unique involvement of the human sciences sector. A Belgian research institute for family sciences, EHSAL-HIG, will contribute to the establishment of the user requirements collecting opinions from parents and children. The entire process is accompanied by experts from various human sciences disciplines like pedagogy, psychology, sociology and law. The engineering teams are committed to take on their social responsibility in society and to take into account the social, psychological, legal and ethical aspects related to position information of vulnerable people and people in general. In this way, the particular European sensitivities related to privacy can be taken into account.

Technical innovation is the combination of EGNOS / EDAS for position determination with the latest security features applied to the position communication and storage. Security is included in the conceptual system design. Another technical feature of the service is the wide variety of technical hardware (mobile devices) that can be used. Moreover, the service can be requested from either fixed computers or from mobile devices.

Potential impact and benefits

Liveline contributes to the safety of vulnerable people and to the reduction of anxiety in families. Liveline wants to define a number of standard practices for the implementation of security in location based services. Security will increase confidence in potential user communities. A better understanding of user requirements, based on knowledge of user concerns, expectations, rights and obligations, will lead to standard practices that can be adopted by location based service providers.

The project wants to contribute to the public debate concerning IT privacy in general and location privacy in particular. The goal is to prevent prejudices against location based services by setting good examples for sound practices in an interdisciplinary cooperation with the human sciences sector. A balanced consensus must be found between the need for protection on the one hand and the concern for privacy on the other hand.

