

GALILEO for LOCATION BASED SERVICES (LBS)



High Reliability, Improved Accuracy

Galileo provides free access to accurate positioning for location-based services.



A range of innovative applications benefit from the enhanced performance provided by Galileo, the European Global Navigation Satellite System (GNSS), including:

Augmented reality & games:

The integration of positioning with virtual information allows the development of pinpoint services aimed at entertaining or informing users.

Geo marketing & advertising:

Consumer preferences combined with positioning data provide exceptionally personalised offers to potential customers.

Mapping & GIS:

The enhanced processing power of modern smartphones, their portability and the location capabilities make them very suitable to develop Geographic Information System applications and create crowdsourced maps.

Safety & Emergency:

Increased accuracy means that in case of emergency, people in distress can be located more precisely, and emergency response can be provided faster.

Fitness, sport & mHealth:

Fitness and mHealth applications rely on GNSS – in addition to other sensors – to monitor users' physical performances.

Navigation & Smart mobility:

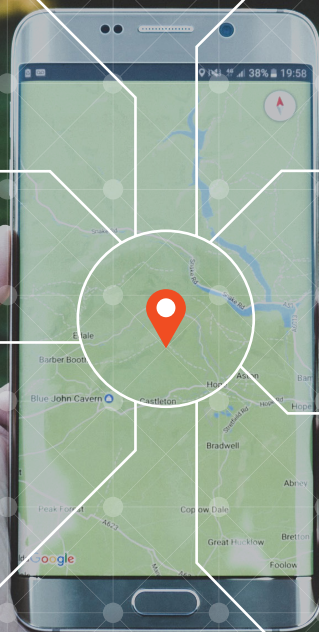
Innovative GNSS-enabled applications contribute to the reduction of congestion while implementing faster, greener, and cheaper transport options.

Enterprise applications:

GNSS-based tracking solutions contribute to improving productivity and safety of workers through mobile workforce management solutions.

Social networking:

The location of people is relevant information around which develop specific services in social networks.



Find out all the devices, services and service-providers already using Galileo on www.useGalileo.eu



European
Global Navigation
Satellite Systems
Agency



Galileo Initial Services

Galileo – the European Global Satellite Navigation System (GNSS) – has been operational since December 2016. Users around the world can already be guided using the positioning, navigation and timing information provided by Galileo's global satellite constellation.

By working together with GPS, Galileo satellites provide better positioning and navigation for users, particularly in cities, where satellite signals can often be blocked by buildings. Plus, Galileo's excellent timing accuracy helps make the synchronisation of banking and financial transactions and telecommunication and energy distribution networks more resilient, allowing them to operate more efficiently.

Galileo's Search and Rescue service reduces the time it takes to detect emergency distress beacon signals from up to three hours to just ten minutes, potentially saving many more lives. The additional resiliency provided by Galileo is expected to help drive economic growth in Europe and beyond by enabling a range of new applications and services.

useGALILEO.eu

Mass-market devices containing a Galileo-enabled chipset, such as smartphones or vehicle navigation devices, can use Galileo signals for positioning, navigation and timing. The www.useGALILEO.eu tool helps you keep track of Galileo-enabled chipsets, smartphones, wearables and tracking devices.

www.gsa.europa.eu

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GSA: linking space to user needs

The GSA is the European Union Agency in charge of managing operations and service provision of Galileo and EGNOS, ensuring that European citizens get the most out of Europe's satellite navigation programmes in terms of innovation, competitiveness, economic growth, and benefit to users.

As Europe's link between space technology and user needs, GSA keeps users at the centre of Galileo and EGNOS.

To learn more on how precise positioning enhance Location Based Services:



<http://lbs.gsa.space>



GNSS Raw Measurements Task Force



<http://gnss-raw-measurements.gsa.space>



Hackathons, GEO IoT, contests and funds, to learn more on what's next in GNSS for LBS, subscribe to the **GSA Today** <https://www.gsa.europa.eu/subscribe-gsa-today>



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