

LINKING SPACE TO USER NEEDS



THE GSA WHO WE ARE AND WHAT WE DO

Ensuring that Europe and European citizens
get the most out of Galileo and EGNOS.



Road

GNSS is more than an in-vehicle navigation device, it also supports fleet management, road tolling and speed monitoring. Today, the GSA is positioning EGNOS and Galileo to be tomorrow's enablers of autonomous driving, connected vehicles and the eCall emergency response system.

Maritime

The GSA recently secured Galileo's place in the International Maritime Organisation's Worldwide Radio Navigation System. Although an important first step for Galileo's role in maritime navigation, EGNOS has a long history of helping passenger, cargo and recreational vessels safely navigate oceans, rivers, canals, lakes and estuaries.

Mapping & Surveying

Surveyors operating in challenging environments depend on the accurate positioning that European GNSS offers. Whereas EGNOS provides metre-level accuracy that is widely available, high-precision users demand positioning services with sub-decimetre level accuracy. Here, the GSA offers the Galileo Open Service, Commercial Service and High Accuracy Service.

Location Based Services (LBS)

Whether it be a smartphone, tablet, fitness tracker, laptop or digital camera, behind nearly every mobile device are Global Navigation Satellites (GNSS). The GSA works to ensure that your device benefits from the precise positioning information provided by the European GNSS Programmes, Galileo and EGNOS.

Agriculture

Modern agriculture demands innovative, efficient and sustainable farming solutions. Thanks to the GSA, EGNOS and Galileo are leading the drive towards precision agriculture, giving European farmers the tools they need to enhance precision, eliminate waste, increase productivity and maximise crop yields.

Timing & Synchronisation

With European GNSS, time is a service. Much of our critical infrastructures, the telecom sector and financial services already rely on GNSS-provided timing and synchronisation. As this reliance continues to increase, the GSA is positioning the Galileo Open Service as the answer to this demand for more and better synchronisation.

Rail

Railways crisscross Europe, connecting Member States, carrying passengers and transporting cargo. By incorporating European GNSS into Europe's rail sector, the GSA is making rail travel user-friendly, cost efficient and safer.

Aviation

European GNSS is revolutionising the way we fly. With EGNOS and Galileo, the GSA is increasing access to small airports, making aviation safer and more environmentally-friendly and facilitating business across Europe. Whether it be commercial, regional, general or business aviation, everyone benefits when EGNSS takes to the skies.

Space is a valuable service

Today space is a service, an invisible infrastructure providing very visible services. From the navigation system in your car, to the landing procedure of your last flight, to finding your way through the city on your smartphone, the benefits of global navigation satellite systems (GNSS) are everywhere.

The GSA

As the link between space technology and user needs, the GSA's mission is to ensure that users in Europe and around the world fully benefit from Europe's satellite navigation programmes. To do this, the Agency is responsible for the operations and service provision for both EGNOS and Galileo.

The GSA also handles a range of matters related to the security of European GNSS including operating the Galileo Security Monitoring Centre (GSMC); securing the Galileo Public Regulated Service (PRS); developing the PRS user segment; and ensuring the functioning of the Security Accreditation Board of the EU GNSS systems.

In addition, the Agency plays a key role in the development of applications and services for EGNOS and Galileo and promoting their use; managing EU-funded research and leveraging the results; and monitoring the market and forecasting future developments.

As a direct result of our work, citizens, businesses and entrepreneurs are benefiting from the many innovative opportunities that EGNOS and Galileo make possible.

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