

FACT SHEET



What is EGNOS?

The European Geostationary Navigation Overlay Service (EGNOS) is Europe's regional satellite-based augmentation system (SBAS) used to improve the performance of global navigation satellite systems, such as GPS and Galileo. EGNOS collects data on current GPS signal accuracy and soon on Galileo, provides users with necessary corrections to improve position information accuracy and informs users about current system reliability. Information is passed to users via EGNOS payloads on 2 different geostationary satellites.

Who uses EGNOS and what does it offer?

EGNOS is present across several sectors, providing safety of life navigation services to aviation, maritime, rail and land-based users over most of Europe. The EGNOS Open Service (available since 2009), is used for agriculture and mapping application. The EGNOS Safety-of-Life Service, essential for aviation and maritime application, has been available since 2011. The EGNOS Data Access Service (declared in 2012) allows users to access EGNOS via the internet.

Since 2009, the EGNOS services availability area over Europe has doubled, leading to increased use and important development of the EGNOS markets including:

2011

First **LPV** implemented at Pau Pyrenees, in France, allowing equipped airplanes to fly down to **254 feet** before deciding to land

2015

First EGNOS based **helicopter** approach procedure to a hospital is implemented

2016

First **LPV 200** implemented at Charles de Gaulle Airport, flown by ATR 42-600, Dassault Falcon 2000 aircraft and Airbus A350

2022



98% of mapping and GIS receiver models are EGNOS compatible



97% of new tractors in Europe using GNSS are equipped with EGNOS (the preferred low-cost entry technology for precision farming in Europe)



6 European countries are using EGNOS as a source of DGPS corrections in their IALA beacon or AIS stations to contribute to merchant shipping safety following IALA Guidelines



90% of maritime receiver manufacturers have a product that is SBAS-enabled



636 EGNOS based approach procedures implemented in over **400 airports** in **24 countries**



More than **40 000 flights** per month are EGNOS capable