#EUSpace

# Open Service (OS)

## What is the Galileo Open Service?

The Galileo OS provides free global positioning, navigation, and timing (PNT) information and data accessible to anyone with a Galileo-enabled receiver, such as a smartphone or in-vehicle navigation system.

**Launch:**

The Galileo OS was launched in December 2016.

**Sectors:**

Galileo OS supports the Mobility, Consumer solutions and Environment sectors.

**Purpose:**

To provide EU autonomy in positioning services and enhance accuracy when combined with other GNSS[1].

## What does it do?

**Free of charge**
Accessible to all users at no cost.

**Mass-market applications**
Suitable for widespread use in consumer devices.

**Global coverage**
Provides worldwide positioning and timing.

**Interoperability**
Can be used together with other GNSS for improved accuracy.

## How does it work?

Accessible to any user with a Galileo-enabled receiver, with no authorisation required.

Receivers process satellite signals to determine location, velocity, and precise time.

Many devices combine Galileo with other GNSS signals for better performance, particularly in challenging environments like urban canyons.

## EUSPA's role

EUSPA serves as the link between the Galileo OS and end users by:

- Deploying and operating the system.
- Being the service provider.
- Operating service front desks available to users.
- Maintaining the Galileo system.
- Fostering the adoption of Galileo OS across the whole space downstream value chain.
- Monitoring the market and capturing the user needs.

## Facts and figures

1. There are more than **4.5 billion** Galileo-enabled devices in use.
2. All smartphones sold in the EU are now **Galileo-enabled**.
3. **Unmatched positioning accuracy**: The OS is committed to delivering 2 metre accuracy in horizontal positioning, but it is actually between 1 and 2 metres.
4. **Exceptional timing accuracy**: contributing to more resilient synchronisation of banking and financial transactions, telecommunication and energy distribution networks.

[1] GNSS - Global Navigation Satellite System

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