

THE PROJECT

GALILEO 4 Mobility is an EU-funded project which aims at supporting the introduction of Galileo technology within the mobility-as-a-service context by analysing the needs in terms of geolocation of the different stakeholders involved and demonstrating the benefits of GNSS technology through 5 pilot demonstrators of shared mobility services in 3 European cities: Barcelona, Paris and Thessaloniki.

You can find further information of the project and follow its progress on the website www.galileo4mobility.eu and on the project's social media channels.

SMALL-SCALE PILOTS

Two of the technologies developed within the project's framework are made available to external stakeholders (e.g. operators and public authorities) who are interested in testing them in so called "small-scale" pilots. In *GALILEO 4 Mobility*, small-scale pilots are defined as additional test sites where the technological solutions developed by project partners can be tested for a period of maximum 1 month with 1 or 2 vehicles. The technological solutions available for testing are:

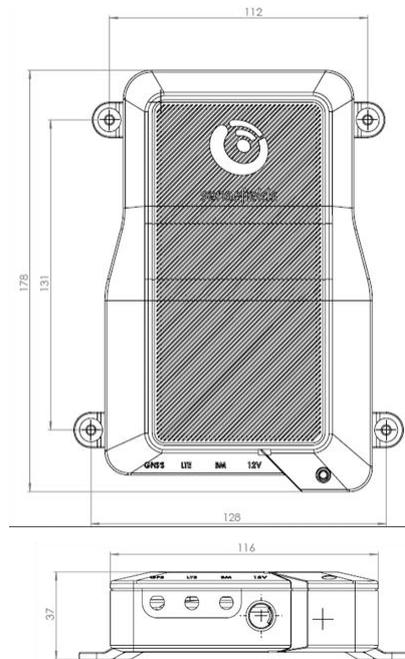
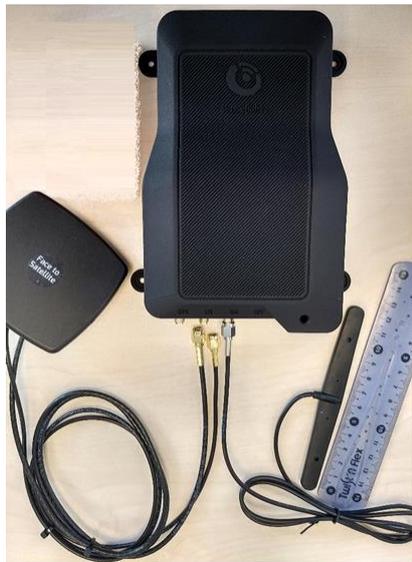
- On-Board Unit
- On-demand bus platform.

On-Board Unit (OBU)

The On-Board-Unit developed and used in the project integrates a high-performance low power dual core processor that brings a computational capability to process data in the vehicle itself, normally reserved to be deployed on cloud. In addition, a modular design allows customizable and flexible configuration tailored to final use case and customers' requirements.

With the goal of covering several use-case requirements, the On-Board Unit has been customized in the following way to offer greater functionalities as compared to a general-purpose on-board unit:

- Adding asset location improvement with Galileo based GNSS for rental vehicle management and fleet management.
- Opening the integration to 3rd party vehicles systems via CAN bus, RS-485 or IEEE 802.11a/b/g standards.
- Improving integration flexibility to adapt to third-party back ends, on premises servers or back-office systems via 3G/LTE and middleware API.

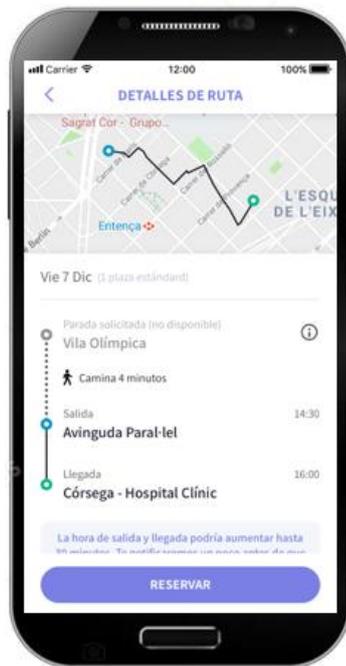


On-Demand Bus Platform

The On-Demand Bus Platform enables the management of a demand-responsive transport service which designs the most optimal routes to transport a given number of people. The platform consists of the following elements:

- User app, where the user can specify origin, destination, time of the trip and book one or more seats, among other functionalities.
- Driver app, which shows the driver the exact itinerary that must be followed based on the reservations made for every expedition.
- Back office, as the tool for the operator to be able to design, manage and operate the service.

USER APP



DRIVER APP



BACK OFFICE



SCOPE OF THE CALL AND FUNDING RULES

The objective of the open call is to demonstrate the technology to an additional number of transport operators, public authorities and other stakeholders, thus expanding further the benefits of using Galileo for shared mobility services.

Small-scale pilots will consist on a demonstration of the OBU technology and, if suitable for the proposed pilot service, the On-Demand Bus Platform for a period of one month maximum, by equipping 1 or 2 vehicles per pilot with EGNSS technology.

The total budget available for the open call is 24,000€, which will be allocated equally among all participants down to a minimum of 3,000€ per participant in case of reaching a limit of 8 participants. Should the project receive more than 8 interested parties, the applications will be evaluated by the Project Board according to their compliancy with the project scope and their take-up potential.

The budget is meant to partially or totally cover the following expenses:

- Implementation of the proposed service in the platform, in case of requesting the use of the On-Demand Bus Platform.
- Integration of the OBU technology in the vehicle.
- Driver costs during the operation of the pilot, in case of testing the technology on a service which is being set up within the framework of this open call.
- Analysis of the benefits of the provided technology for the pilot service.

PROCEDURES

Submission

Proposals must utilize the application form and follow the procedures detailed in the application form. Applications submitted past the deadline will not be retained for evaluation. Applicants will receive a confirmation e-mail.

Timing and deadline

The *GALILEO 4 Mobility* call opened on the 1st of November 2019 and will close on the 30th of November. Proposal evaluations will be completed within 1 week (5 working days) from the closing date of this call. Immediately after, awarded applicants will be asked to sign an agreement with UITP which will cover the duration of the project (until April 2020).

For further information or enquiries please do not hesitate to contact:

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