Fulfilling enhanced Location Accuracy in the Mass-market through Initial Galileo services

Fact Sheet

Project Information

**FLAMINGO**

Grant agreement ID: 776436

**Funded under**

H2020-EU.3.4.2.2.
H2020-EU.2.1.6.3.
H2020-EU.2.1.6.1.2.

**Overall budget**

€ 2,767,681.20

**EU contribution**

€ 1,999,793.51

**Coordinated by**

GMV NSL LIMITED
United Kingdom

Objective

The success of Galileo will largely depend on its uptake in LBS and IoT markets. Leveraging on Galileo’s features that improve performance in urban environment, FLAMINGO will unleash GNSS mass-market potential.

The overarching objectives of FLAMINGO are to develop and deliver high accuracy and reliable positioning and navigation services for mass market uptake, to demonstrate the potential by developing and showcasing ready to market applications on both Smartphone and IoT devices within major European cities, and to foster a new community of E-GNSS consumers and applications. FLAMINGO
shall produce a service targeting accuracies of 50cm (95%) and better, employing multi-constellation, PPP and RTK mechanisms, power consumption optimisation techniques as well as the GNSS raw measurements availability.

FLAMINGO will deliver hardware and software that utilise the service to its full potential. Technology triggers for mobile devices are provided by Google through the provision of the GNSS raw measurements API that provide access to pseudorange and carrier phase (a prerequisite for the highest order accuracy GNSS positioning) and by various commercial smartphone manufacturers who support these measurements. IoT devices currently provided by three of the consortium partners will be modified, enhanced, and made available for the validation activities. The project will develop and deliver a series of market-ready Galileo enabled IoT and commercial LBS applications in three urban areas that support European ambitions on Smart Cities namely Barcelona (ES), Toulouse (F) and the Gdansk/ Gdynia/Sopot Tricity (PL). In addition the E-GNSS user base and markets will be stimulated through a tiered FLAMINGO Hackathon process which will bring together a mixed community of E-GNSS users, consumers, application developers, GIS and data scientists.

FLAMINGO involves nine leading organisations who specialise in location technology, including five SMEs.

**Fields of science**

**Programme(s)**

**Topic(s)**

**Call for proposal**

H2020-GALILEO-GSA-2017-1

**Funding Scheme**
## Coordinator

**GMV NSL LIMITED**
- **Address**: Sir Colin Cambell Building, Triumph Road, NG7 2TU, Nottingham, United Kingdom
- **Activity type**: Private for-profit entities (excluding Higher or Secondary Education Establishments)
- **EU contribution**: € 519,065.79

## Participants (8)

### TELESPAZIO FRANCE SAS
- **Country**: France
- **EU contribution**: € 366,765.17
- **Address**: Avenue Jean Francois Champollion 26, 31023 Toulouse
- **Activity type**: Private for-profit entities (excluding Higher or Secondary Education Establishments)

### THE UNIVERSITY OF NOTTINGHAM
- **Country**: United Kingdom
- **EU contribution**: € 208,055.55
- **Address**: University Park, NG7 2RD, Nottingham
- **Activity type**: Higher or Secondary Education Establishments

### ROKUBUN SL
- **Country**: Spain
- **EU contribution**: € 177,925.97
- **Address**: Calle De Roc Boronat, Numero 117
- **Activity type**: Private for-profit entities (excluding Higher or Secondary Education Establishments)
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<th>Organization</th>
<th>Country</th>
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<td>THALES ALENIA SPACE FRANCE SAS</td>
<td>France</td>
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<td>VVA BRUSSELS</td>
<td>Belgium</td>
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<td>MUNDO READER SL</td>
<td>Spain</td>
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BLUE DOT SOLUTIONS SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA

Poland

EU contribution

€ 200 418,75

Address

Via Dell Inglese 6
6826 Riva San Vitale

Activity type

Private for-profit entities
(excluding Higher or Secondary Education Establishments)

Contact the organisation

BLUE DOT SOLUTIONS SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA

Poland

EU contribution

€ 176 531,25

Address

Ul. Al. Grunwaldzka Nr. 472
80 309 Gdansk

Activity type

Private for-profit entities
(excluding Higher or Secondary Education Establishments)

Contact the organisation

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