



# Navguard

Advanced Galileo PRS resilience for EU Defence

## SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2021

**CALL TITLE:**

Resilient space-based PNT and SATCOM

**TOPIC TITLE:**

Space- and ground-based NAVWAR surveillance

**DURATION OF THE PROJECT:**

48 months

**TYPE(S) OF ACTIVITIES:**

Studies; Design; Prototyping; Testing

**ESTIMATED TOTAL COST:**

€ 56,228,592.77

**MAXIMUM EU CONTRIBUTION :**

€ 24,372,921.37



## SHORT DESCRIPTION OF THE PROJECT:

**Navguard will strengthen the Galileo PRS resilience through new ground and space-based systems.**

The project “Advanced Galileo PRS resilience for EU Defence” (Navguard) will develop ground and space-based systems to detect illegitimate activities in GNSS frequency bands and geolocate the sources of malicious activities, including an in-orbit demonstration of a PRS space-based augmentation system. An Information management subsystem will also be developed together with a user interface to establish a situational awareness picture.

Related PESCO project: European Radio Navigation Solution (EURAS)





**MEMBERS OF THE CONSORTIUM AND  
COUNTRY OF ESTABLISHMENT:**



 <b>NAME</b> OF THE ENTITY	 <b>COUNTRY</b>
FDC S.A.R.L. (Coordinator)	France
AEROSPACELAB SA	Belgium
ANTWERP SPACE N.V.SA	Belgium
BEYOND GRAVITY GERMANY GMBH	Germany
BEYOND GRAVITY SWEDEN AB	Sweden
DIEHL DEFENCE GMBH & CO. KG	Germany
ELETTRONICA SPA	Italy
FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	Germany
GMV AEROSPACE AND DEFENCE SA	Spain
HISDESAT SERVICIOS ESTRATEGICOS SA	Spain
INDRA SISTEMAS SA	Spain
INDUSTRIEANLAGEN- BETRIEBSGESELLSCHAFT MBH	Germany
LEONARDO SPA	Italy
OHB DIGITAL SOLUTIONS GMBH	Austria
OHB SYSTEM AG	Germany

**MEMBERS OF THE CONSORTIUM AND  
COUNTRY OF ESTABLISHMENT:**

 <b>NAME</b> OF THE ENTITY	 <b>COUNTRY</b>
QASCOM SRL	Italy
SAAB DYNAMICS AKTIEBOLAG	Sweden
SAFRAN ELECTRONICS & DEFENSE	France
SPECTRACOM SAS	France
TECNOBIT SL	Spain
TELESPAZIO SPA	Italy
THALES ALENIA SPACE FRANCE SAS	France
THALES ALENIA SPACE ITALIA SPA	Italy
THALES AVS FRANCE SAS	France
THALES SIX GTS FRANCE SAS	France
TOTALFÖRSVARETS FORSKNING SINSTITUT	Sweden