

GEODE

Galileo for EU Defence

SELECTED PROJECTS -EUROPEAN DEFENCE INDUSTRIAL DEVELOPMENT PROGRAMME (EDIDP) 2019

CALL TITLE:	Positioning, Navigation and Timing (PNT) and satellite communication capabilities
TOPIC TITLE:	Development of European standardized and sovereign Galileo PRS navigation receiver capabilities compatible with GPS/PRS solution for military purposes
DURATION OF THE PROJECT:	72 months
TYPE(S) OF ACTIVITIES:	Studies; Design; System prototyping; Testing; Qualification; Certification
TOTAL COST:	€ 92,262,704.76
MAXIMUM EU CONTRIBUTION :	€ 43,974,166.81

MEMBERS OF THE CONSORTIUM AND COUNTRY OF ESTABLISHMENT:

NAME OF THE ENTITY	COUNTRY
FDC S.a.r.L (COORDINATOR)	France
THALES AVS FRANCE SAS	France
SAFRAN ELECTRONICS & DEFENSE	France
THALES SIX GTS FRANCE SAS	France
SPECTRACOM SAS	France
FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSSCHUNG E.V.	Germany
AIRBUS DEFENCE AND SPACE GMBH	Germany
DIEHL DEFENCE GNBH & CO. KG	Germany
SIEMENS AKTIENGESELLSHAFT	Germany
LEONARDO S.P.A	Italy
TELESPAZIO S.P.A	Italy
THALES ALENIA SPACE ITALIA S.P.A	Italy
ELETTRONICA S.P.A	Italy
CY4GATE S.R.L	Italy
ANTWERP SPACE N.V.	Belgium
GMV AEROSPACE AND DEFENCE SA	Spain
INDRA SISTEMAS SA	Spain
TECNOBIT SL	Spain

SHORT DESCRIPTION OF THE PROJECT:

GEODE will prototype, test and qualify multiple Galileo PRS enabled Positioning, Navigation and Timing (PNT) navigation solutions for defence specific requirements and applications (7 PRS Security Modules, 9 PRS receivers, 4 GPS/Galileo PRS compatible Controlled Radiation Pattern Antennas) and a European PNT test & Qualification Facility. A PRS infrastructure will also be developed to ensure the availability of the security assets necessary for the operational testing of the receivers. Military operational field-testing will be organised on Naval and Land platforms, RPAS, Timing and Synchronisation system in multiple Member States.

Related PESCO project: EURAS

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