

 Content archived on 2024-05-28



Galileo Ready Advanced Mass MArket Receiver

Fact Sheet

Project Information

GRAMMAR

Grant agreement ID: 227890

Project closed

Start date
1 February 2009

End date
31 July 2011

Funded under
Specific Programme "Cooperation": Transport
(including Aeronautics)

Total cost
€ 2 656 414,00

EU contribution
€ 1 999 581,00

Coordinated by
DEUTSCHES ZENTRUM FÜR
LUFT - UND RAUMFAHRT EV
 Germany

Objective

Building on the success of FP6 projects, in particular the GREAT project, GRAMMAR seeks to address the mass market receiver by extending the current state-of-the-art technologies for the mass market segment.

Specifically, we are addressing the following gaps identified as obstacles for producing high-quality mass market receivers:

- No economic solutions for accurate dual-frequency RF and baseband hardware
- No existing GPS/GALILEO receiver solutions
- Poor robustness and location availability in indoor and urban environments

The goals of GRAMMAR's technical work are:

- The development of a hardware prototype for a mass market receiver using a single chip dual frequency receiver and an FPGA based baseband allowing for rapid prototyping of advanced algorithms and techniques.
- The identification, evaluation and simulation of enhanced algorithm concepts for next generation mass market receivers.

We aim to produce functional prototypes of the receiver and its components, enabling practical testing and demonstration at the completion of the project.

Programme(s)

[FP7-TRANSPORT - Specific Programme "Cooperation": Transport \(including Aeronautics\)](#)

Topic(s)

[GALILEO-2007-3.1-01 - Mass Market Receiver](#)

Call for proposal

FP7-GALILEO-2007-GSA-1

[See other projects for this call](#)

Funding Scheme

[CP - Collaborative project \(generic\)](#)

Coordinator



DEUTSCHES ZENTRUM FÜR LUFT - UND RAUMFAHRT EV

EU contribution

€ 741 118,00

Total cost

No data

Address

LINDER HOHE

51147 Koln

 Germany 

Region

Nordrhein-Westfalen > Köln > Köln, Kreisfreie Stadt

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Participants (2)



ACORDE TECHNOLOGIES SA

 Spain

EU contribution

€ 731 800,00

Address

CALLE EL CASTRO 22N

39011 Santander 

Region

Noroeste > Cantabria > Cantabria

Activity type

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

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



TTY-SAATIO

 Finland

EU contribution

€ 526 663,00

Address

Korkeakoulunkatu 10
33720 Tampere 

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data

Last update: 10 February 2022

Permalink: <https://cordis.europa.eu/project/id/227890>

European Union, 2025