

HORIZON
2020

Fifth Generation Communication Automotive Research and innovation

Fact Sheet

Project Information

5GCAR

Grant agreement ID: 761510

[Project website](#) 

DOI

[10.3030/761510](https://doi.org/10.3030/761510) 

Project closed

EC signature date

2 June 2017

Start date

1 June 2017

End date

31 July 2019

Funded under

INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)

Total cost

€ 7 995 413,75

EU contribution

€ 7 995 413,75

Coordinated by

ERICSSON AB



Sweden

This project is featured in...



Connected and automated driving: The route to a safer, more efficient and cleaner transport system

Objective

There are two ongoing industrial trends, one in the mobile communications industry and one in the automotive industry, which are becoming interwoven and will jointly provide new capabilities and functionality for upcoming intelligent transport systems and future driving.

The automotive industry is on a path where vehicles are continuously becoming more aware of their environment, due to a permanent increase in various types of integrated sensors; at the same time the amount of automation in vehicles increases, which – with some intermediate steps – will eventually culminate in fully-automated driving without human intervention. Along this path, the amount of interactions increases, both in-between vehicles, as well as between vehicles and an increasingly intelligent road infrastructure. As a consequence, the significance and reliance on capable communication systems for vehicle-to-everything (V2X) communication is becoming a key asset that combined with sensor-based technologies will enhance the performance of automated driving and increase further traffic safety.

On the other hand, the mobile communications industry has over the last 25 years connected more than 5 billion people and mobile phones have become part of our daily living. The next step in wireless connectivity is to connect all kinds of devices that can benefit from being connected, with a total of 28 billion connected devices predicted until 2021. It will support the transformation of industries on their journey of digitization. In this step, mobile communications has the ambition to explicitly target the communication needs of vertical industry with corresponding requirements being set for the standardization of 5G until 2020.

5GCAR brings together a strong consortium from the automotive industry and the mobile communications industry, to develop innovation at the intersection of those industrial sectors in order to support a fast, and successful path towards safer and more efficient future driving.

Fields of science (EuroSciVoc)

[engineering and technology](#) > [electrical engineering](#), [electronic engineering](#), [information engineering](#) > [information engineering](#) > [telecommunications](#) > [telecommunications networks](#) > [mobile network](#) > **5G**

[engineering and technology](#) > [mechanical engineering](#) > [vehicle engineering](#) > **automotive engineering**

[engineering and technology](#) > [electrical engineering](#), [electronic engineering](#), [information engineering](#) > [electronic engineering](#) > **sensors**

[engineering and technology](#) > [electrical engineering](#), [electronic engineering](#), [information engineering](#) > [information engineering](#) > [telecommunications](#) > **mobile phones**

[engineering and technology](#) > [electrical engineering](#), [electronic engineering](#), [information engineering](#) > [information engineering](#) > [telecommunications](#) > [radio technology](#) > **mobile radio**



Programme(s)

[H2020-EU.2.1.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies \(ICT\)](#) MAIN PROGRAMME

Topic(s)

[ICT-07-2017 - 5G PPP Research and Validation of critical technologies and systems](#)

Call for proposal

[H2020-ICT-2016-2017](#) 

[See other projects for this call](#)

Sub call

H2020-ICT-2016-2

Funding Scheme

[RIA - Research and Innovation action](#)

Coordinator



ERICSSON AB

Net EU contribution

€ 1 135 646,75

Total cost

€ 1 135 646,75

Address

TORSHAMNSGATAN 23

164 80 Stockholm

 Sweden 

Region

Östra Sverige > Stockholm > Stockholms län

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](#) 

Participants (16)



ROBERT BOSCH GMBH

 Germany

Net EU contribution

€ 549 300,00

Address

ROBERT-BOSCH-PLATZ 1

70839 Gerlingen-Schillerhoehe 

Region

Baden-Württemberg > Stuttgart > Ludwigsburg

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

€ 549 300,00



CHALMERS TEKNISKA HOGSKOLA AB

 Sweden

Net EU contribution

€ 501 670,00

Address

-

412 96 Goteborg 

Region

Södra Sverige > Västsverige > Västra Götalands län

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 501 670,00



FUNDACION PARA LA PROMOCION DE LA INNOVACION INVESTIGACION Y DESARROLLO TECNOLOGICO EN LA INDUSTRIA DE AUTOMOCION DE GALICIA

 Spain

Net EU contribution

€ 106 250,00

Address

POLIGONO INDUSTRIAL A GRANXA CALLE A PARCELAS 249-250

36400 Porrino Pontevedra 

Region

Activity type

Research Organisations

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

€ 106 250,00



CENTRE TECNOLOGIC DE TELECOMUNICACIONS DE CATALUNYA

Spain

Net EU contribution

€ 334 625,00

Address

AVINGUDA CARL FRIEDRICH GAUSS 7 PARC MEDITERRANI DE TECNOLOGIA
08860 Castelldefels Barcelona

Region

Este > Cataluña > Barcelona

Activity type

Research Organisations

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

€ 334 625,00



ERICSSON GMBH

Germany

Net EU contribution

€ 224 125,00

Address

PRINZENALLEE 21
40549 Dusseldorf 

Region
Nordrhein-Westfalen > Düsseldorf > Düsseldorf, Kreisfreie Stadt

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

Links
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[HORIZON collaboration network](#) 

Total cost
€ 224 125,00



HUAWEI TECHNOLOGIES DUESSELDORF GMBH

 Germany
Net EU contribution
€ 908 600,00

Address
HANSAALLEE 205
40549 Dusseldorf 
Region
Nordrhein-Westfalen > Düsseldorf > Düsseldorf, Kreisfreie Stadt

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

Links
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Total cost
€ 908 600,00



KING'S COLLEGE LONDON

 United Kingdom
Net EU contribution

€ 452 610,00

Address

STRAND

WC2R 2LS London 

Region

London > Inner London — West > Westminster

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 452 610,00



MARBEN PRODUCTS

 France

Net EU contribution

€ 257 712,50

Address

22 QUAI GALLIENI

92150 SURESNES 

SME 

Yes

Region

Ile-de-France > Ile-de-France > Hauts-de-Seine

Activity type

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

Links

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

[HORIZON collaboration network](#) 

Total cost

€ 257 712,50



NOKIA SOLUTIONS AND NETWORKS SP ZOO

 Poland

Net EU contribution

€ 0,00

Address

UL RODZINY HISZPANSKICH 8

02-685 Warszawa 

Region

Makroregion województwo mazowieckie > Warszawski stołeczny > Miasto Warszawa

Activity type

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

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

No data



NOKIA SOLUTIONS AND NETWORKS GMBH &CO KG

 Germany

Net EU contribution

€ 444 725,00

Address

WERINHERSTRASSE 91

81541 Munchen 

Region

Bayern > Oberbayern > München, Kreisfreie Stadt

Activity type

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

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 444 725,00



NOKIA SOLUTIONS AND NETWORKS OY

 Finland

Net EU contribution

€ 267 340,00

Address

KARAPORTTI 3
02610 Espoo 

Region

Manner-Suomi > Helsinki-Uusimaa > Helsinki-Uusimaa

Activity type

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

Links

- [Contact the organisation](#) 
- [Participation in EU R&I programmes](#) 
- [HORIZON collaboration network](#) 

Total cost

€ 267 340,00



ORANGE SA

 France

Net EU contribution

€ 674 700,00

Address

111 QUAI DU PRESIDENT ROOSEVELT
92130 Issy Les Moulineaux 

Region

Ile-de-France > Ile-de-France > Hauts-de-Seine

Activity type

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

Links

- [Contact the organisation](#) 
- [Website](#) 
- [Participation in EU R&I programmes](#) 

Total cost
€ 674 700,00



STELLANTIS AUTO SAS

 France
Net EU contribution
€ 758 750,00

Address
2/10 BOULEVARD DE L'EUROPE
78300 POISSY 

Region
Ile-de-France > Ile-de-France > Yvelines

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
€ 758 750,00



SEQUANS COMMUNICATIONS SA

 France
Net EU contribution
€ 349 250,00

Address
15-55 BOULEVARD CHARLES DE GAULLE LES PORTES DE LA DEFENSE
92700 Colombes 

SME 
Yes

Region
Ile-de-France > Ile-de-France > Hauts-de-Seine

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

€ 349 250,00



VISCODA GMBH

Germany

Net EU contribution

€ 335 739,50

Address

SCHNEIDERBERG 32
30167 HANNOVER

SME

Yes

Region

Niedersachsen > Hannover > Region Hannover

Activity type

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

Links

- Contact the organisation
- Participation in EU R&I programmes
- HORIZON collaboration network

Total cost

€ 335 739,50



VOLVO PERSONVAGNAR AB

Sweden

Net EU contribution

€ 694 370,00

Address

AVD 50090 HB3S

405 31 Göteborg 

Region

Södra Sverige > Västsverige > Västra Götalands län

Activity type

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

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 694 370,00

Last update: 17 August 2022

Permalink: <https://cordis.europa.eu/project/id/761510>

European Union, 2025