Advancing fail-aware, fail-safe, and fail-operational electronic components, systems, and architectures for fully automated driving to make future mobility safer, affordable, and end-user acceptable.

Fact Sheet

Project Information

AutoDrive

Grant agreement ID: 737469

Funded under
H2020-EU.2.1.1.7.
H2020-EU.2.1.1.

Closed project

Overall budget
€ 64 569 691,44

EU contribution
€ 16 163 362,92

Coordinated by
INFINEON TECHNOLOGIES AG
Germany

Start date
1 May 2017

End date
31 October 2020

Objective

Automated driving is a disruptive technology which opens the door to future multi-billion markets providing business opportunities to value chains in automotive and semiconductor industry. The European industry has leading competitive strength in the development and manufacturing of highly reliable electro-mechanical systems. In order to preserve this capability Europe needs to setup European standards for high level control such as real-time computing or big data processing. In order to respond
on the global challenge AutoDrive has gathered Europe’s leading semiconductor companies, suppliers, OEMs, and research institutes committed to create a pan-European eco-system, which has the critical mass to initiate standards and provides the components and subsystems for automated driving. Currently, even the most sophisticated vehicle automation technology on the road is not able to surpass human driving capabilities – especially considering context awareness in any situation. Moreover, there is no common agreement on quantifiable dependability measures which hardware and embedded software have to achieve to allow safe automated driving for SAE Levels 3-5. AutoDrive aims for the design of (i) fail-aware (self-diagnostics), (ii) fail-safe, (iii) fail-operational (HW and SW redundancy) electronic components and systems architecture that enable the introduction of automated driving in all car categories. AutoDrive results will significantly contribute to safer and more efficient mobility. It will raise end-user acceptance and comfort by supporting drivers in highly challenging situations (active safety) as well as in regular driving situations. Combining both will reduce the number of road fatalities especially in rural scenarios and under adverse weather conditions. AutoDrive will contribute to Europe’s Vision Zero and to improved efficiency. This will sustain Leadership and even grow the market position of all AutoDrive partners.

Fields of science

Programme(s)

Topic(s)

Call for proposal

H2020-ECSEL-2016-1-RIA-two-stage

Funding Scheme

Data not available
Coordinator

INFINEON TECHNOLOGIES AG

Address
Am Campeon 1-15
85579 Neubiberg
Germany

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

EU contribution
€ 1 722 562,75

Website
Contact the organisation

Participants (61)

AIT AUSTRIAN INSTITUTE OF TECHNOLOGY GMBH

Address
Giefinggasse 4
1210 Wien

Activity type
Research Organisations

EU contribution
€ 361 744,07

Website
Contact the organisation

AYUNTAMIENTO DE MALAGA

Address
Avenida Cervantes 4
29016 Malaga

Activity type
Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Contact the organisation

AVL LIST GMBH

Address
Hans-list-platz 1
8020 Graz

Activity type
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(excluding Higher or...
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FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV

Germany
EU contribution
€ 334 131,18

Address
Hansastrasse 27C
80686 Munchen

Activity type
Research Organisations

Website
Contact the organisation

FUNDACION TECNALIA RESEARCH & INNOVATION

Spain
EU contribution
€ 262 634,88

Address
Parque Cientifico Y Tecnologico De Gipuzkoa
Paseo Mikeletegi 2
20009 Donostia/san Sebastian (Gipuzkoa)

Activity type
Research Organisations

Website
Contact the organisation

GEORGII KOBOLD GMBH & CO. KG

Germany
EU contribution
€ 105 862,50

Address
Ihlingerstrasse 57
72160 Horb Am Neckar

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

Contact the organisation
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INFINEON TECHNOLOGIES AUSTRIA AG

Austria
EU contribution
€ 541 004,83

Address
Siemensstrasse 2
9500 Villach

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

Website
Contact the organisation

INFINEON TECHNOLOGIES DRESDEN GMBH& CO KG

Germany
EU contribution
€ 334 915

Address
Konigsbrucker Strasse 180
01099 Dresden

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

Website
Contact the organisation

IRIZAR S COOP

Spain
EU contribution
€ 482 500

Address
Carretera Zumarraga 8
20216 Ormaiztegi Gipuzkoa

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

Contact the organisation

JAC ITALY DESIGN CENTER SRL

Italy
EU contribution
€ 337 719,30

Address

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Contact the organisation

**MARELLI EUROPE SPA**

Italy

EU contribution

€ 388 658,62

Address

Viale Aldo Borletti 61/63 20011 Corbetta

Activity type

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

Contact the organisation

**MICROELETRONICA MASER SL**

Spain

EU contribution

€ 129 750

Address

Polig Industr Mendarozabal 20870 Guipuzcoa

Activity type

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

Website

Contact the organisation

**MURATA ELECTRONICS OY**

Finland

EU contribution

€ 190 002,50

Address

Myllynkivenkuja 6 01620 Vantaa

Activity type

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

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TTTECH COMPUTERTECHNIK AG
Austria
EU contribution
€ 151 971,71
Address
Schonbrunner Strasse 7
1040 Wien
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Website
Contact the organisation

UAB METIS BALTIC
Lithuania
EU contribution
€ 165 764,31
Address
Jogailos G 4
01116 Vilnius
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Website
Contact the organisation

UNIVERSIDAD DE ALCALA
Spain
EU contribution
€ 116 220
Address
Plaza De San Diego
28801 Alcala De Henares/madrid
Activity type
Higher or Secondary Education Establishments
Website
Contact the organisation

UNIVERSITA DI PISA
Italy
EU contribution
€ 86 681,29
Address
Activity type
Lungarno Pacinotti 43/44  
56126 Pisa  

Higher or Secondary Education Establishments

Website  

VAERSTE AS  
Norway  
EU contribution  
€ 48 299,11  

Address  
Gamle Beddingvei 28  
0106 Fredrikstad  

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

Contact the organisation

VDL ENABLING TRANSPORT SOLUTIONS BV  
Netherlands  
EU contribution  
€ 201 891,81  

Address  
De Vest 11  
5555 XL Valkenswaard  

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

Contact the organisation

VILNIAUS GEDIMINO TECHNIKOS UNIVERSITETAS  
Lithuania  
EU contribution  
€ 76 748,88  

Address  
Sauletekio Al 11  
LT-10223 Vilnius  

Activity type  
Higher or Secondary Education Establishments

Website  

Contact the organisation

VI-GRADE SRL  
Italy  
EU contribution  
€ 67 976,40
Address
Via Galileo Galilei 42
33010 Tavagnacco

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

Contact the organisation

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VYSOKE UCENI TECHNICKE V BRNE

Czechia

EU contribution
€ 300 125

Address
Antoninska 548/1
601 90 Brno Stred

Activity type
Higher or Secondary Education Establishments

Website

Contact the organisation

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XENOMATIX

Belgium

EU contribution
€ 226 786,54

Address
Esperantolaan 4
3001 Heverlee

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

Contact the organisation

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ZF FRIEDRICHSHAFEN AG

Germany

EU contribution
€ 610 754,65

Address
Lowentaler Strasse 20
88046 Friedrichshafen

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

Website

Contact the organisation

---

Infineon Technologies Romania and CO. Societate in Comandita Simpla
Romania

EU contribution

€ 0

Address
B-dul Dimitrie Pompeiu 6
020337 Bucharest

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

Website

Contact the organisation

SINTEF AS

Norway

EU contribution

€ 193 309,93

Address
Strindvegen 4
7034 Trondheim

Activity type
Research Organisations

Contact the organisation

TTTECH AUTO AG

Austria

EU contribution

€ 73 666,45

Address
Operngasse 17-21
1040 Vienna

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

Contact the organisation

MERCEDES-BENZ AG

Germany

EU contribution

€ 58 308,08

Address
Mercedesstrasse 120
70372 Stuttgart

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

Contact the organisation