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

Project website

**Status**
Closed project

**Start date**
1 May 2017

**End date**
31 October 2020

**Funded under**
H2020-EU.2.1.1.7.

**Overall budget**
€ 64 569 691,44

**EU contribution**
€ 16 163 362,92

**Coordinated by**
INFINEON TECHNOLOGIES AG
Germany

**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.

Field of science

/natural sciences/physical sciences/electromagnetism and electronics/electrical conductivity/semiconductor
/natural sciences/computer and information sciences/data science/data processing
/natural sciences/computer and information sciences/data science/big data
/social sciences/sociology/industrial relations/automation
/natural sciences/computer and information sciences/software/software development
/natural sciences/computer and information sciences/data science/data exchange
/engineering and technology/electrical engineering, electronic engineering, information engineering/electronic engineering/sensors/smart sensors
/social sciences/economics and business/business and management/commerce

Programme(s)

Topic(s)

Call for proposal

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

Funding Scheme
## 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

---

## Participants (61)

### AIT AUSTRIAN INSTITUTE OF TECHNOLOGY GMBH

- **Address**: Giefinggasse 4, 1210 Wien, Austria
- **Activity type**: Research Organisations
- **EU contribution**: € 361,744.07

### AYUNTAMIENTO DE MALAGA

- **Address**: Avenida Cervantes 4, 29016 Malaga, Spain
- **Activity type**: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)
- **EU contribution**: € 79,362.50

### AVL LIST GMBH

- **Address**: Austria
- **EU contribution**: € 531,876.41
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Austria
EU contribution
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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 Ormalztegi 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
Via Torino 21 B
10044 Pianezza
Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)

VIRTUAL VEHICLE RESEARCH GMBH
Austria
EU contribution
€ 319 355,10
Address
Inffeldgasse 21 A
8010 Graz
Activity type
Research Organisations
Website
Contact the organisation

KROMBERG & SCHUBERT GMBH & CO KG KABEL-AUTOMOBILTECHNIK
Germany
EU contribution
€ 240 878,54
Address
Raitestr 8
71272 Renningen
Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)

Contact the organisation

KUNGLIGA TEKNISKA HOEGSKOLAN
Sweden
EU contribution
€ 157 820,30
Address
Brinellvagen 8
100 44 Stockholm
Activity type
Higher or Secondary Education Establishments
Website
Contact the organisation

LANGE RESEARCH AIRCRAFT GMBH
Germany
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)

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)

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)
NXTECH AS
Norway
EU contribution
€ 144 669,51
Address
K G Meldahlsvei 9
1671 Krakeroy
Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)
Website
Contact the organisation

OKMETIC OY
Finland
EU contribution
€ 113 200,94
Address
Piitie 2
01510 Vantaa
Activity type
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(excluding Higher or Secondary Education Establishments)
Website
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ON SEMICONDUCTOR BELGIUM BVBA
Belgium
EU contribution
€ 470 150,51
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Westerring 15
9700 Oudenaarde
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**TECHNISCHE UNIVERSITEIT EINDHOVEN**

**Netherlands**

**EU contribution**

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**TECHNISCHE UNIVERSITAET GRAZ**

**Austria**

**EU contribution**

€ 96 045,75

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**TEKNOLOGIAN TUTKIMUSKESKUS VTT OY**

**Finland**

**EU contribution**

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**TENNECO AUTOMOTIVE EUROPE BVBA**

**Belgium**

**EU contribution**

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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

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Norway

EU contribution

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Address

Storgata 118
9252 Tromso

Activity type

Research Organisations

Last update: 26 March 2021
Record number: 210530

Permalink: https://cordis.europa.eu/project/id/737469

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