Integrated Components for Complexity Control in affordable electrified cars

Fact Sheet

Project Information

3Ccar
Grant agreement ID: 662192

Funded under
H2020-EU.2.1.1.7.

Overall budget
€ 52 401 675,84

EU contribution
€ 17 320 843,96

Coordinated by
INFINEON TECHNOLOGIES AG
Germany

Closed project

Start date
1 June 2015

End date
31 October 2018

This project is featured in...

RESEARCH*EU MAGAZINE
Charged up and ready to roll! Electric vehicles take to the road

Objective
The 3Ccar project will provide highly integrated ECS Components for Complexity Control in thereby affordable electrified cars. The new semiconductors for Complexity management (Control, reduction) will offer the next level of energy efficiency in transportation systems.

3Ccar’s impact is maximizing pragmatic strategy: Use semiconductor technology innovations to manage functionality & complexity increase. This leads also to cheaper, efficient, robust, comfortable, reliable and usable automotive systems. This strengthens Europe as a whole (OEM, Tier1, Semiconductor) generating economic growth and new jobs in Europe.

The impact of 3Ccar is driven vertically by innovations and horizontally enabling growth and deployment in the industry based on what we see as European Values. We recognized that European engineers develop for highest efficiency, convergence and manageable complexity. Our society appreciates long life products to avoid waste. 50 partners and 55 Mio€ budget give the mass for innovative products such as functional integrated powertrains, smart battery cells with unique selling features allowing Europe to advance to global leadership. An important feature of the project has been the recognition and exploitation of synergies with other EV projects, enabling fast innovation cycles between such aligned projects.

With 55 Mio€ budget and 10 b€ impact the R&D expenditure ratio is 200 which is 10x higher than the semiconductor average and corresponds to very strong innovation potential which will be translated into automotive and semiconductor industry. The technologies developed in 3Ccar will be commercialized all over the world while giving advantages to Europe’s OEMs willing to manufacture in Europe. 3Ccar will be involved in standardization needed to ensure that large vertical supply chains can be established. The 3Ccar project shows that collaboration between industry, research institutes, governments and customers is pivotal for excellence in Europe.

**Fields of science**

> > >

**Programme(s)**

**Topic(s)**

**Call for proposal**

ECSEL-2014-1
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
€ 1 944 513

Website
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Participants (46)

AVL LIST GMBH

Austria

EU contribution
€ 479 180

Address
Hans-list-platz 1
8020 Graz

Activity type
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Website
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AVL SOFTWARE AND FUNCTIONS GMBH

Germany

EU contribution
€ 435 048

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Im Gewerbepark B 29
93059 Regensburg

Activity type
Private for-profit entities
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Website
Contact the organisation

VYSOKE UCENI TECHNICKE V BRNE
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Romania  
EU contribution  
€ 101 058,75  
Address  
B-dul Dimitrie Pompeiu 6  
020337 Bucharest  
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Private for-profit entities  
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€ 1 801 942  
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Westerring 15  
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**QINETIQ LIMITED**  
United Kingdom  
EU contribution  
€ 74 894  
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GU14 0LX Farnborough  
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**SIEMENS AKTIENGESELLSCHAFT**  
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Werner-von-siemens-str. 1  
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80333 Munchen
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TECHNISCHE UNIVERSITAET DRESDEN
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€ 395 294,74
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Helmholtzstrasse 10
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OSTBAYERISCHE TECHNISCHE HOCHSCHULE AMBERG-WEIDEN
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Kaiser Wilhelm Ring 23
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VALEO EQUIPEMENTS ELECTRIQUESMOTEUR SAS
France
EU contribution
€ 0
Address
Activity type
2 Rue Andre Boulle
94000 Creteil
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Contact the organisation

INSTITUT MIKROELEKTRONICKYCH APLIKACI SRO
Czechia
EU contribution
€ 117 406,25
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**INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE PENTRU MICROTEHNOLÓGIE**

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**STMICROELECTRONICS (ALPS) SAS**

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**TENNECO AUTOMOTIVE EUROPE BVBA**

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[Website](#)  
[Contact organisation](#)
ELEKTRONIKAS UN DATORZINATNU INSTITUTS
Latvia
EU contribution
€ 118 218,75

Address
Dzerbenes Iela 14
1006 Riga

Activity type
Research Organisations

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TEKNOLOGIANTUTKIMUSKESKUS VTT OY
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EU contribution
€ 331 874,08

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02150 Espoo

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MURATA ELECTRONICS OY
Finland
EU contribution
€ 373 758

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01620 Vantaa

Activity type
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OKMETIC OY
Finland
EU contribution
€ 131 887,50

Address
Piitie 2
01510 Vantaa

Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)
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IDEAS & MOTION SRL

Italy

EU contribution

€ 48 750

Address

Via Santa Margherita 8
12051 Alba

Activity type

Private for-profit entities
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TORINO E-DISTRICT CONSORZIO

Italy

EU contribution

€ 23 017,50

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VILNIAUS GEDIMINO TECHNIKOS UNIVERSITETAS

Lithuania

EU contribution

€ 66 625

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LT-10223 Vilnius

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UAB METIS BALTIČ

Lithuania
EU contribution

€ 127,968.75

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Jogailos G 4
01116 Vilnius

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SOLBIAN ENERGIE ALTERNATIVE SRL
Italy
EU contribution
€ 60,125

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10091 Alpignano

Activity type
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(excluding Higher or Secondary Education Establishments)

Website
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CONSIGLIO NAZIONALE DELLE RICERCHE
Italy
EU contribution
€ 35,343.75

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00185 Roma

Activity type
Research Organisations

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TECHNISCHE UNIVERSITAET GRAZ
Austria
EU contribution
€ 139,750

Address
Rechbauerstrasse 12
8010 Graz

Activity type
Higher or Secondary Education Establishments

Website
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INTERACTIVE FULLY ELECTRICAL VEHICLES SRL
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Czechia
EU contribution
€ 145 640,95

Address
Videnska 204/125
61900 Brno

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

Contact the organisation

ADVANTEC GMBH
Germany
EU contribution
€ 237 600

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Last update: 16 December 2020
Record number: 197903

Permalink: https://cordis.europa.eu/project/id/662192

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