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.

Project website

Overall budget
€ 52 401 675,84

EU contribution
€ 17 320 843,96

Coordinated by
INFINEON TECHNOLOGIES AG
Germany

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.

**Field of science**

/natural sciences/physical sciences/electromagnetism and electronics/electrical conductivity/semiconductor

**Programme(s)**

**Topic(s)**

**Call for proposal**

ECSEL-2014-1
Funding Scheme
ECSEL-RIA - ECSEL Research and Innovation Action

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
Contact the organisation

Participants (46)

AVL LIST GMBH

Austria
EU contribution
€ 479 180

Address
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8020 Graz

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

Website
Contact the organisation

AVL SOFTWARE AND FUNCTIONS GMBH

Germany
EU contribution
€ 435 048

Address
Im Gewerbepark B 29
93059 Regensburg

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

Website
Contact the organisation

VYSOKE UCENI TECHNICKE V BRNE
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ELEKTRONIKAS UN DATORZINATNU INSTITUTS

Latvia
EU contribution
€ 118 218.75
Address
Dzerbenes iela 14 1006 Riga
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TEKNOLOGIAN TUTKIMUSKESKUS VTT OY

Finland
EU contribution
€ 331 874.08
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MURATA ELECTRONICS OY

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EU contribution
€ 373 758
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OKMETIC OY

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EU contribution
€ 131 887.50
Address
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**OFFIS EV**  
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€ 339 029  
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Escherweg 2  
26121 Oldenburg  
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**VIRTUAL VEHICLE RESEARCH GMBH**  
Austria  
EU contribution  
€ 237 461,25  
Address  
Inffeldgasse 21 A  
8010 Graz  
Website  
Contact the organisation

**NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK TNO**  
Netherlands  
EU contribution  
€ 209 158  
Address  
Anna Van Buerenplein 1  
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**LANGE RESEARCH AIRCRAFT GMBH**  
Germany  
EU contribution  
€ 145 705,72  
Address  
Brusseler Strasse 30  
66482 Zweibrucken  
Activity type  
Private for-profit entities (excluding Higher or Secondary Education Establishments)
FUNDACION TECNALIA RESEARCH & INNOVATION
Spain
EU contribution
€ 320 102,34
Address
Parque Cientifico Y Tecnologico De Gipuzkoa
Paseo Mikeletegi 2
20009 Donostia/san Sebastian (Gipuzkoa)
Activity type
Research Organisations
Website
Contact the organisation

ADVANCED AUTOMOTIVE ANTENNAS S.L
Spain
EU contribution
€ 189 902,05
Address
Gran Via Carlos lli 98 Planta
08028 Barcelona
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Contact the organisation

FICO-TRIAD SA
Spain
EU contribution
€ 69 399,85
Address
Calle Gran Via De Carlos lli 98 5
08028 Barcelona
Activity type
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Website
Contact the organisation

IXION INDUSTRY AND AEROSPACE SL
€ 34 513,46

Address
Calle Julian Camarillo 21B
28027 Madrid

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

Website
Contact the organisation

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IDEAS & MOTION SRL

Italy

€ 48 750

Address
Via Santa Margherita 8
12051 Alba

Activity type
Private for-profit entities
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Contact the organisation

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TORINO E-DISTRICT CONSORZIO

Italy

€ 23 017,50

Address
Via Nicola Fabrizi 136
10145 Torino To

Activity type
Research Organisations

Contact the organisation

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VILNIAUS GEDIMINO TECHNIKOS UNIVERSITETAS

Lithuania

€ 66 625

Address
Sauletekio Al 11
10223 Vilnius

Activity type
Higher or Secondary Education Establishments

Website
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Lithuania
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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
Address
Kapellenstrasse 15
86684 Holzheim
Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)

Contact the organisation

Last update: 16 December 2020
Record number: 197903

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

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