Integrated Components for Complexity Control in affordable electrified cars

Fact Sheet

Project Information

<table>
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<th>3Ccar</th>
<th>Funded under</th>
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<tr>
<td>Grant agreement ID: 662192</td>
<td>H2020-EU.2.1.1.7.</td>
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Project website

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<td>1 June 2015</td>
<td>31 October 2018</td>
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Overall budget

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EU contribution

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<tr>
<td>INFINEON TECHNOLOGIES AG</td>
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Germany

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

<table>
<thead>
<tr>
<th>INFINEON TECHNOLOGIES AG</th>
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<tbody>
<tr>
<td><strong>Address</strong></td>
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<tr>
<td>Am Campeon 1-15</td>
</tr>
<tr>
<td>85579 Neubiberg</td>
</tr>
<tr>
<td>Germany</td>
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### Participants (46)

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<th>AVL LIST GMBH</th>
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<tr>
<td><strong>Address</strong></td>
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<tr>
<td>Hans-list-platz 1</td>
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| VYSOKE UCENI TECHNICKE V BRNE  |
Czechia
EU contribution
€ 177 125
Address
Antoninska 548/1
601 90 Brno Stred
Activity type
Higher or Secondary Education Establishments
Website
Contact the organisation

DAIMLER AG
Germany
EU contribution
€ 123 641.25
Address
Mercedesstrasse 137
70327 Stuttgart
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Website
Contact the organisation

FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
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EU contribution
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Website
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INFINEON TECHNOLOGIES AUSTRIA AG
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EU contribution
€ 732 746.30
Address
Siemensstrasse 2
9500 Villach
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Website
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INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE PENTRU MICROTEHNOLOGIE
Romania
EU contribution
€ 48,750
Address
Erou Iancu Nicolae Street 32B
077190 Voluntari
Activity type
Research Organisations
Website
Contact the organisation

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

TENNECO AUTOMOTIVE EUROPE BVBA
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EU contribution
€ 542,019
Address
Industriezone
Schurhoventeld 1037
3800 Sint Truiden
Activity type
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Website
Contact the organisation

NXP SEMICONDUCTORS NETHERLANDS BV
Netherlands
EU contribution
€ 2 446 500
Address
High Tech Campus 60
5656AG Eindhoven
Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)
Website
Contact the organisation

VALEO SYSTEMES DE CONTROLE MOTEUR SAS
France
EU contribution
€ 988 191,68
Address
Avenue Des Beguines 14
95800 Cergy
Activity type
Private for-profit entities
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Contact the organisation

TECHNISCHE UNIVERSITEIT EINDHOVEN
Netherlands
EU contribution
€ 467 587
Address
Groene Loper 3
5612 AE Eindhoven
Activity type
Higher or Secondary Education Establishments
Website
Contact the organisation

TTTECH COMPUTE TECHNIK AG
Austria
EU contribution
€ 281 133,45
Address
Schonbrunner Strasse 7
1040 Wien
Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)
Website
Contact the organisation
ELEKTRONIKAS UN DATORZINATNU INSTITUTS
Latvia
EU contribution
€ 118 218,75
Address
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1006 Riga
Activity type
Research Organisations
Website
Contact the organisation

TEKNOLOGIAN TUTKIMUSKESKUS VTT OY
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EU contribution
€ 331 874,08
Address
Tekniikantie 21
02150 Espoo
Activity type
Research Organisations
Website
Contact the organisation

MURATA ELECTRONICS OY
Finland
EU contribution
€ 373 758
Address
Myllynkivenkuja 6
01620 Vantaa
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Contact the organisation

OKMETIC OY
Finland
EU contribution
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Address
Piitie 2
01510 Vantaa
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EU contribution
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Address
Jogailos G 4
01116 Vilnius

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

Website
Contact the organisation

SOLBIAN ENERGIE ALTERNATIVE SRL
Italy
EU contribution
€ 60,125

Address
Via Caselette Km 16 2 36
Industrial Park
10091 Alpignano

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

Website
Contact the organisation

CONSIGLIO NAZIONALE DELLE RICERCHE
Italy
EU contribution
€ 35,343.75

Address
Piazzale Aldo Moro 7
00185 Roma

Activity type
Research Organisations

Website
Contact the organisation

TECHNISCHE UNIVERSITAET GRAZ
Austria
EU contribution
€ 139,750

Address
Rechbauerstrasse 12
8010 Graz

Activity type
Higher or Secondary Education Establishments

Website
Contact the organisation

INTERACTIVE FULLY ELECTRICAL VEHICLES SRL
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<td>COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES</td>
<td>€ 457 193,13</td>
<td>Rue Leblanc 25 75015 Paris 15</td>
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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

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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

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Last update: 16 December 2020
Record number: 197903

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