Social innovation and light electric vehicle revolution on streets and ambient

Fact Sheet

Project information

Silver Stream

Grant agreement ID: 653861

Project website

Start date 1 June 2015

End date 31 May 2018

Funded under: H2020-EU.3.4.

Overall budget: € 4 573 567,50

EU contribution € 3 990 111,25

Coordinated by: INFINEON TECHNOLOGIES AG Germany

Objective

The SilverStream project addresses the challenges associated with sustainable and affordable personal mobility for the growing and ageing population in congested European cities. The project combines both ergonomic concepts conceived for elderly people and advanced automotive technologies that are quiet, clean, energy efficient and safe. The particular objectives of SilverStream are: i) specifications related to the needs of urban and ageing population; ii) enhanced vehicle manoeuvrability for urban context; iii) sustainable ergonomics, health monitoring and adaptive HMI for minimum-fatigue vehicle operation; iv) dual voltage 12/48 V power network for modular and scalable E/E architecture; v) hybrid energy storage system for extended operating life and increased efficiency; vi) compact in-wheel drive units for light urban mobility solutions; and vii) maximizing project impact for enhanced European competitiveness.

To achieve these objectives, the SilverStream project brings together 10 committed and complementary European partners that cover the whole value chain, including SMEs, large industry, academia and research institutes. The developed technologies will be driven by a team of expert in the field of medical and cognitive science domain through a top/down approach, and will be demonstrated with a vehicle prototype running in a realistic test environment.

In conclusion, SilverStream will develop and demonstrate a radically new light and affordable vehicle concept (L-category). In doing so, SilverStream provides one possible mobility solution to address the tough challenges faced by Europe in relation to the field of air quality, noise and environmental protection,
traffic congestion, competiveness and jobs preservation, as outlined in the specific challenge of the work programme.

Field of Science

/engineering and technology/environmental engineering/energy and fuels/renewable energy/hybrid energy

/social sciences/economics and business/economics/sustainable economy

Programme(s)

H2020-EU.3.4. - SOCIETAL CHALLENGES - Smart, Green And Integrated Transport

Topic(s)

GV-5-2014 - Electric two-wheelers and new ultra-light vehicle concepts

Call for proposal

H2020-GV-2014

See other projects for this call

Funding Scheme

RIA - 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

€ 439 640

Website

Contact the organisation

Participants (9)
<table>
<thead>
<tr>
<th>Organisation</th>
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<tr>
<td>INFINEON TECHNOLOGIES AUSTRIA AG</td>
<td>€ 400,625</td>
<td>Austria</td>
<td>Siemensstrasse 2 9500 Villach</td>
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<td>ELAPHE POGONSKE TEHNOLOGIJE DOO</td>
<td>€ 414,250</td>
<td>Slovenia</td>
<td>Teslova Ulica 30 1000 Ljubljana</td>
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<td>IDEAS &amp; MOTION SRL</td>
<td>€ 468,750</td>
<td>Italy</td>
<td>Via Santa Margherita 8 12051 Alba</td>
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<td>Via Olgettina 60 20132 Milano</td>
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</table>
UNIVERSITY OF SURREY

Address
Stag Hill
Gu2 7xh Guildford

Activity type
Higher or Secondary Education Establishments

EU Contribution
€ 444 428,75

Website
Contact the organisation

Permalink: https://cordis.europa.eu/project/id/653861/en

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