PROSPECT
Project ID: 634149
Źródło dofinansowania: H2020-EU.3.4. - SOCIETAL CHALLENGES - Smart, Green And Integrated Transport

PROactive Safety for PEdestrians and CyclisTs

Od 2015-05-01 do 2018-10-31, projekt zakończony | PROSPECT Witryna

Dane projektu

<table>
<thead>
<tr>
<th>Całkowity koszt:</th>
<th>EUR 6 931 978,75</th>
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<tbody>
<tr>
<td>Wkład UE:</td>
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<tr>
<td>Kraj koordynujący:</td>
<td>Spain</td>
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Topic(s):
MG-3.4-2014 - Traffic safety analysis and integrated approach towards the safety of Vulnerable Road Users

Zaproszenie do składania wniosków:
H2020-MG-2014_TwoStages See other projects for this call

System finansowania:
RIA - Research and Innovation action

Cel

The past decade has seen significant progress on active pedestrian safety, as a result of advances in video and radar technology. In the intelligent vehicle domain, this has recently culminated in the market introduction of first-generation active pedestrian safety systems, which can perform autonomous emergency braking (AEB-PED) in case of critical traffic situations. PROSPECT will significantly improve the effectiveness of active VRU safety systems compared to those currently on the market. This will be achieved in two complementary ways: (a) by expanded scope of VRU scenarios addressed and (b) by improved overall system performance (earlier and more robust detection of VRUs, proactive situation analysis, and fast actuators combined with new intervention strategies for collision avoidance).

PROSPECT targets five key objectives:

i. Better understanding of relevant VRU scenarios
ii. Improved VRU sensing and situational analysis
iii. Advanced HMI and vehicle control strategies
iv. Four vehicle demonstrators, a mobile driving simulator and a realistic bicycle dummy demonstrator
v. Testing in realistic traffic scenarios and user acceptance study

The consortium includes the majority of European OEMs (Audi, BMW, DAIMLER, TME and Volvo Cars) currently offering AEB systems for VRU. They are keen to introduce the next generation systems into the market. BOSCH and CONTI will contribute with next generation components and intervention concepts. Video algorithms will be developed by UoA and DAIMLER. Driver interaction aspects (HMI) are considered by UoN and IFSTTAR. Euro NCAP test labs (IDIADA, BAST, TNO) will define and validate test procedures and propose standardization to Euro NCAP and UN-ECE. Accident research will be performed by Chalmers, VTI and BME, based on major in-depth accident databases (GIDAS and IGLAD) and complemented by East Europe data. The work will be done in cooperation with experts in Japan (JARI, NTSEL) and the US (VTTI, UMTRI, NHTSA).

Powiązane informacje

Wynik w skrócie
A future with zero road deaths - is it possible?

Streszczenia raportów
Periodic Reporting for period 1 - PROSPECT (PROactive Safety for PEdestrians and CyclisTs)
### Wiadomości

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small-scale Doppler effect to help cyclists stay safe - PROSPECT towards it next milestone</td>
<td>PROSPECT together with other H2020 projects in Automobile Barcelona 2017</td>
</tr>
<tr>
<td>PROSPECT results of the first period: Car-to-cyclist crashes in Europe and derivation of use cases as basis for test scenarios of next generation ADAS</td>
<td>PROSPECT project at Road Safety and Simulation International Conference (RSS2017)</td>
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<tr>
<td>The registration for PROSPECT, InDeV, XCYCLE projects final event on 12th of October has now opened!</td>
<td></td>
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### Koordynator

<table>
<thead>
<tr>
<th>Organization</th>
<th>Address</th>
<th>Country</th>
<th>Contribution</th>
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<tbody>
<tr>
<td>IDIADA AUTOMOTIVE TECHNOLOGY SA</td>
<td>L ALBORNAR 43710 SANTA OLIVA</td>
<td>Spain</td>
<td><strong>EUR 590 400</strong></td>
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<td>Portugal</td>
<td>EUR 656 399</td>
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### Uczestnicy

<table>
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<th>Organization</th>
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<tr>
<td>AUDI AKTIENGESELLSCHAFT</td>
<td>85057 INGOLSTADT</td>
<td>Germany</td>
<td><strong>EUR 426 883,75</strong></td>
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<tr>
<td>BAYERISCHE MOTOREN WERKE AKTIENGESELLSCHAFT</td>
<td>Petuelring 130</td>
<td>Germany</td>
<td><strong>EUR 218 111</strong></td>
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<td></td>
<td>80809 MUENCHEN</td>
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**Activity type:** Other

Contact the organisation
BUDAPESTI MUSZAKI ES GAZDASAGTUDOMANYI EGYETEM
MUEGYTEM RAKPART 3
1111 BUDAPEST
Hungary
See on map

**Activity type:** Higher or Secondary Education Establishments

Contact the organisation

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BUNDESANSTALT FUER STRASSENWESEN
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51427 BERGISCH GLADBACH
Germany
See on map

**Activity type:** Higher or Secondary Education Establishments

Contact the organisation

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CHALMERS TEKNISKA HOEGSKOLA AB
- 41296 GOETEBORG
Sweden
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**Activity type:** Higher or Secondary Education Establishments

Contact the organisation

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CONTINENTAL TEVES AG & CO. OHG
GUERICKESTRASSE 7
60488 FRANKFURT AM MAIN
Germany
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**Activity type:** Other

Contact the organisation

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DAIMLER AG
MERCEDESSTRASSE 137
70327 STUTTGART
Germany
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**Activity type:** Other

Contact the organisation
INSTITUT FRANCAIS DES SCIENCES ET TECHNOLOGIES DES TRANSPORTS, DE L'AMENAGEMENT ET DES RESEAUX

BOULEVARD ISAAC NEWTON 14 CITE DESCARTES 14-20
77447 MARNE LA VALLEE CEDEX 2
France

See on map

**Activity type:** Research Organisations

Contact the organisation

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**Wkład UE:** EUR 367

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**Wkład UE:** EUR 90

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**Wkład UE:** EUR 937 500

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**Wkład UE:** EUR 163

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**Wkład UE:** EUR 300 625

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**Activity type:** Higher or Secondary Education Establishments

Contact the organisation

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NEERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK TNO

ANNA VAN BUERENPLEIN 1
2595 DA DEN HAAG
Netherlands

See on map

**Activity type:** Higher or Secondary Education Establishments

Contact the organisation

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**Wkład UE:** EUR 90

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**Wkład UE:** EUR 937 500

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**Wkład UE:** EUR 163

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**Wkład UE:** EUR 300 625

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**Activity type:** Other

Contact the organisation

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ROBERT BOSCH GMBH

ROBERT-BOSCH-PLATZ 1
70839 GERLINGEN SCHILLERHOEHE
Germany

See on map

**Activity type:** Research Organisations

Contact the organisation

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**Wkład UE:** EUR 90

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**Wkład UE:** EUR 937 500

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**Wkład UE:** EUR 163

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**Wkład UE:** EUR 300 625

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**Activity type:** Research Organisations

Contact the organisation

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**Activity type:** Higher or Secondary Education Establishments

Contact the organisation

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THE UNIVERSITY OF NOTTINGHAM

University Park
NG7 2RD NOTTINGHAM
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**Activity type:** Higher or Secondary Education Establishments

Contact the organisation
TOYOTA MOTOR EUROPE NV
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**Activity type:** Other

Contact the organisation

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**Activity type:** Higher or Secondary Education Establishments

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Contact the organisation

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**Uczestnictwo zakończone**

**Wkład UE:** EUR 0

4ACTIVESYSTEMS GMBH
INDUSTRIEPARK 1
8772 TRABOCH
Austria

See on map

**Activity type:** Other

Contact the organisation

Ostatnia aktualizacja 2017-08-17
Wyniki wyszukiwania na dzień 2019-06-10

Permalink: https://cordis.europa.eu/project/rcn/193275_en.html