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The project addresses the specific needs of the transport and automotive industrial sector, which are very important in modern society. After a successful launch, the results of the project have the potential to increase safety, efficiency and environmental quality of intelligent transport systems which are an important factor in local sustainability.

Through the implementation of planned activities, including the development of commercially interesting prototypes and technologies, partner faculties will indirectly strengthen their commercialization capacity and the possibility of technology transfer to Croatian companies. The project will directly contribute to the competitiveness of Croatian knowledge-based SMEs. By strengthening of local industry, the project will also contribute to sustainable regional development.

VISTA
Computer vision innovations
for safe traffic



Investing
in future!



Ministry of
Science,
Education
and Sports



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from the European Regional Development Fund

VISTA

Computer vision innovations for safe traffic

Basic information

VISTA is a project focused towards the application of advanced computer vision techniques in the transport and automotive industrial sector.

The project coordinator is the University of Zagreb, Faculty of Electrical Engineering and Computing, in partnership with the Faculty of Transport and Traffic Sciences.

This Action is co-financed by the European Union from the European Regional Development Fund.

The project is conducted by the Ministry of Science, Education and Sports.

Total value of the project - 685.265,45 EUR
EU contribution - 573.841,29 EUR

Project objectives

- strengthening of technology transfer from partner HEIs to SMEs in the automotive sector;
- strengthening the commercialization capacities of partner HEIs;
- transfer of existing computer vision applications from HEIs to SMEs;
- developing new traffic- and transportation-related computer vision applications with commercial potential in collaboration with SMEs in the automotive industry sector.

Activities

Research and Development activities

The four specific R&D activities:

- industrial research and development;
- demonstrating the feasibility of concepts, methods and procedures;
- prototype development;
- prototypes testing in collaboration with commercial partners.

Four research groups from both partner faculties will collaborate in research activities to develop several innovative automotive computer vision systems for driver assistance.

Networking activities

An important component of the VISTA project is establishing partnerships with companies in the automotive industry sector. Through collaboration with companies it is expected to find and define new challenging knowledge-based applications and innovative products with high added value.

The following activities are planned:

- workshops that will be periodically held;
- establishing direct contacts with interested companies, in order to identify the opportunities for joint designing of future innovative products;
- project website that will serve as a channel for communication between partners;
- appearance at exhibitions and fairs related to the automotive sector.

Target groups

- SMEs from automotive industry sector;
- partner faculties.

Final beneficiaries

- society at large;
- traffic participants;
- automotive industry sector in Croatia;
- traffic law enforcement agencies;
- road infrastructure management companies.

Project team

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