Press release

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Validation And Verification Of (Traditional And Artificial Intelligence Based) Sensors / Components for Automated Driving, with the involvement of ZalaZONE Proving Ground

Subsidized by the NKFI Fund, Robert Robert Bosch Kft. and the Budapest University of Technology and Economics performs a joint Research & Development
Start of the project, code 2019-1.1.1-PIACI-KFI-2019-00129

The consortium lead is Bosch Engineering Center Budapest, Bosch's largest R&D location in Europe after Germany. The Consortium Partner: Budapest University of Technology and Economics, is one of the lead research university owning a significant international ranking, in education and science. Through the delivery of the subsidy project, the Consortium would like to develop its existing testing-automation framework, as well as improve the efficiency of the system level and vehicle tests via Validation and Verification.
The target of the joint research-development project is to further improve the verification and validation concepts of the Generation three front cameras and Generation five radars, including the durability, stability and robustness measurements.
For this, the expansion of the ISTQB grounded, Keyword based systems and applied Hardware-in-the-Loop
simulation strategy based test environment are required during the project.

An expected result of the development process is, the further improvement of the testing of the driving-assistance systems.

This just started research-development has a significant social and economical

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impact as well, and strengthens the position of Hungary within the automotive industry.

Project code: 2019-1.1.1-PIACI-KFI-2019-00129
Project title: Validation And Verification Of (Traditional And Artificial Intelligence Based) Sensors / Components for Automated Driving, with the involvement of ZalaZONE Proving Ground
Consortium Leader: Robert Bosch Kft.
Consortium Member: Budapest University of Technology and Economics
Project accountable grand total: HUF 1.665.140.333 (Consortium Level)
Amount of State Aid: HUF 993.535.028 (Consortium Level)
Start of implementation: May 1, 2020
Completion deadline: April 30, 2023

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Basic information:

Bosch has been present in Hungary since 1898 with its products. After its re-establishment as a regional trading company in 1991, Bosch has grown into one of Hungary’s largest foreign industrial employers with currently nine subsidiaries. In fiscal 2019 it had a total turnover of HUF 1,465 billion and consolidated sales of the Bosch Group on the Hungarian market – not counting trade among its own companies – amounted to HUF 259 billion. The Bosch Group in Hungary employs more than 15,000 associates (as of December 31, 2019). In addition to its manufacturing, commercial and development business, Bosch has a network of sales and service operations that covers the entire country.

The Bosch Group is a leading global supplier of technology and services. It employs roughly 400,000 associates worldwide (as of December 31, 2019). The company generated sales of 77.7 billion euros in 2019. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT provider, Bosch offers innovative solutions for smart homes, Industry 4.0, and connected mobility. Bosch pursuing a vision of mobility that is sustainable, safe, and exciting. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group’s strategic objective is to facilitate connected living with products and solutions that either contain artificial intelligence (AI) or have been developed or manufactured with its help. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is “Invented for life.” The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiary and regional companies in 60 countries. Including sales and service partners, Bosch’s global manufacturing, engineering, and sales network covers nearly every country in the world. The basis for the company’s future growth is its innovative strength. Bosch employs some 72,600 associates in research and development at 126 locations across the globe, as well as roughly 30,000 software engineers.

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