

The Faculty of Transport of the CTU in Prague and its partners founded the autonomous mobility association CzeCCAM

Prague, May 9, 2023 - A new non-profit organization was founded in the Czech Republic in January 2023 called CzeCCAM, the Association for Autonomous and Cooperative Mobility in the Czech Republic, which aims to promote the development of autonomous mobility technologies. Its main partners are the Faculty of Transport of the Czech Technical University (CTU) in Prague and the companies VDT Technology, Yunex, TÜV SÜD, Smart Plan, the Prague Advanced Technology and Research Innovation Center (PATRIC) and IDIADA. The Association is a member of the European CCAM Association, which was founded in 2021 and brings together over 180 entities active in the field of connected, cooperative and automated mobility.

The founding members of CzeCCAM are involved in major projects that will make autonomous mobility part of everyday life, as cooperative and autonomous mobility start to play a significant role in people's lives. Such technologies will improve quality of life while also making a significant impact in protecting the environment. Complex issues such as the integration of cooperative vehicles into the management and governance of cities, creating new services for citizens, setting policies for cities, adjusting legislation at national level, and changing transport behaviors, must go beyond the capabilities of individual companies in order to be successful, requiring coordinated efforts by various different actors. At the same time, obtaining and using relevant data is crucial for successful implementation.

CzeCCAM aims to accelerate the development and implementation of new technologies and raise awareness of the possibilities of autonomous mobility solutions. Professor Ondřej Přebyl, Dean of the CTU Faculty of Transport, commented: "Together, we want to actively influence the development of science and application in this important area. Our goal is to contribute to the creation of sustainable and effective solutions that make people's daily lives easier while minimizing the impact on the environment."

"The formation of this association is a significant step forward for the development of autonomous mobility and autonomous technologies in general in the Czech Republic," said Miroslav Štěpán, Chairman of the CzeCCAM Board of Directors, who continued: "Advanced solutions leading to improved transport infrastructure require close cooperation between teams of like-minded individuals and companies, and CzeCCAM's role is to strengthen it."

CzeCCAM brings together large and small partners from industry, research, services, government and public administration, along with other professional organizations. Together, they will strive to facilitate the introduction of autonomous driving technologies that improve road safety and the efficiency of the transport network, help the environment, make the Czech Republic a center of transport development, and create a transport infrastructure that is truly inclusive for all users.

"Autonomous mobility is the future of Czech public transport," said Robert Pergl from PATRIC, who added: "Together with partner organisations from domestic industry and academia, our company is involved in interesting projects that bring new autonomous solutions. We look forward to working with our colleagues at CzeCCAM; this will undoubtedly lead to improvements in transport infrastructure."

A wide range of government programs enable domestic experts to work on research, development and implementation of effective solutions. Autonomous mobility projects require

not only advanced technology, but also consensus building among road users, policy makers, local government, industry and the general public.

CzeCCAM plans to carry out large-scale demonstrations of new technologies, including a final impact assessment, to investigate the ability of vehicles to "sense-think-act" in real situations. This will ensure safe interaction with other road users and increase the safety of users of autonomous mobility. CzeCCAM will set industry standards for the validation, verification and evaluation of autonomous systems in domestic transport environments using appropriate metrics.

The association will also focus on integrating autonomous vehicles into existing transport networks and supporting key technologies such as artificial intelligence, Big Data and cyber security. It will assess the impact of advanced systems on individual users and on society as a whole, while coordinating all stakeholders to ensure that projects are implemented efficiently and responsibly.

"Ensuring the integration of autonomous mobility into the existing urban environment is as important as the development of the technology itself," said Professor Příbyl: "This new association will ensure that developments are carried out and implemented in the right way and will bring real benefits as part of an efficient and sustainable transport network."

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Presentation of project partners to journalists:

The Faculty of Transport of the CTU in Prague was founded in its present form in 1993 as the leading academic institution in the field of transport, logistics and telecommunications in the Czech Republic. Currently, it has two departments in Prague and in Decin. Research and teaching at the faculty covers the whole breadth of transport and offers a wide range of study programmes led by experts in the field, who teach future professionals in transport and logistics as well as telecommunications engineers and professional pilots. For more information visit www.fd.cvut.cz.

Czech Technical University in Prague is one of the largest and oldest technical universities in Europe. According to the 2017+ Methodology, it is the best Czech technical college in the group of ranked technical colleges. Currently, CTU has eight faculties (civil, mechanical, electrical, nuclear and Physical Engineering, Architecture, Transport, Biomedical Engineering, Information Technology). Over 19,000 students study at the university. For the academic year 2022/23, CTU offers its students over 250 accredited study programmes and over 100 in foreign languages. CTU educates technical experts, scientists and managers with foreign language skills who are dynamic, flexible and able to adapt quickly to market demands. According to the results of the 2017+ Methodology, CTU was evaluated in a group of five technical universities and received the highest rating of A. CTU in Prague is currently in the following positions according to the QS World University Rankings, which ranked 2642 universities worldwide: 378th in the global QS World University Rankings, and 12th in the regional ranking "Emerging Europe and Central Asia". In the ranking "Engineering and Technology" CTU is ranked 175th, in "Engineering - Civil and Structural" between 201st and 220th, in "Engineering - Mechanical" between 201st and 250th, in "Engineering - Electrical" between 201st-250th, in "Physics and Astronomy" at 201st-250th, in "Natural Sciences" at 238th, in "Computer Science and Information Systems" at 151st-200th, in "Material Sciences" at 251st-300th, in "Mathematics" at 251st-300th. More at <https://www.cvut.cz/>

TÜV SÜD has been dedicated to protecting people, the environment and property from technology-related risks for more than 150 years. It supports manufacturers and suppliers in the automotive industry in continuously improving existing technologies and new innovations to make mobility safer and more

physically efficient. As a provider of innovative solutions for traditional and future mobility technologies, it is working to develop safety regulations and standards, as well as effective automotive testing solutions that will drive the future of mobility and introduce new technologies quickly and safely. Its international experience with the deployment of automated vehicles in operation will be used in the Czech Republic within CzeCCAM.

VDT Technology a.s. as a system integrator offers comprehensive solutions for intelligent monitoring, control and data management systems. In the environment of IoT platforms, it prepares advanced expert functionalities such as simulation, prediction and digital modelling. For more information, visit www.vdttechnology.com.

The PATRIC Innovation Center (Prague Advanced Technology and Research Innovation Center, a.s.) has long been cooperating with Israeli partners from the academic environment and is involved in putting the results of innovation projects in the field of autonomous systems into practice. Supporting the development of autonomous shuttle buses is another step towards strengthening international cooperation in the field of advanced technologies. The creation of an innovation ecosystem in the heart of Europe and the development of the Czech-Israeli scientific community is crucial for PATRIC. For more information, visit www.patric.expert.