

Press Release

AIAMO reaches new heights

Innovation boost for AI-powered mobility management in Europe

Berlin, 06/05/2025 – The AIAMO (Artificial Intelligence and Mobility) research project funded with 16.7 million euros by the German Federal Ministry for Digital and Transport has passed crucial milestones following successful conclusion of the 7th Steering Committee and the visionary 3rd AIAMOCamp. As such, the consortium is setting new benchmarks for AI-powered mobility management across Europe. Despite ongoing challenges, the project is progressing promisingly and substantially propelling forward tomorrow's mobility.

Breakthrough with AIAMOnexus: AI-optimised data as the key enabler

Progress is centred on implementation of AIAMOnexus which combines the AIAMO Integration Zone and AI Foundation Models and generates KI-optimised data for use in different AI applications. The curated incorporation of regional data sources from the whole of Europe creates data of excellent quality – a vital ingredient, in fact, for high-performance AI-powered mobility applications. This development is paving the way for data-driven, smart traffic management.

editionAIAMO: Development framework for the ITS industry

editionAIAMO provides AIAMO with a development framework to enable the ITS industry to create tailored mobility management solutions. These solutions can directly access the optimised AIAMOnexus AI data and ensure a tight meshing of data and applications. The outcome: smart, sustainable mobility management for all Europe.

On the road to market readiness

AIAMO has a clear mission i.e. to transfer its research findings through strategic partnerships into sustainable business models and market-ready solutions and to establish them on the market. Key steps include market entry structuring, technical validation and targeted market preparation. By combining innovative technologies with economic scalability, AIAMO is positioning itself as a key player for tomorrow's mobility.

AIAMOitip: from research achievements through to implementation

The launch of AIAMOitip marks AIAMO's start in the Innovation Transfer (it) phase and Implementation Pathway (ip) preparation. This step bridges the gap between research and market deployment and opens the way for integration in the long term of AIAMO technologies in the European mobility sector.

European networking and governance as the success factors

The innovation transfer fosters close cooperation of the public sector with European institutions and industry representatives. The planned governance structure will ensure an equitable participation of all the players involved. ITS Germany is taking the lead on the technical side with ERTICO-ITS Europe taking responsibility for the European institutional coordination management. Together, they aim to establish a strong European foundation for AI-powered mobility management solutions.

"AIAMO exemplifies the next evolutionary stage in mobility management. By combining curated data, modular AI infrastructure and an open development framework we are creating the requirements for scalable and interoperable solutions in Europe. The decisive factor here is a close interplay of technical excellence, governance structures and market-oriented transfer," explains Markus Wartha, President of ITS Germany and AIAMO Consortium Lead

"ERTICO is proud to unite European institutional expertise with cutting-edge technical leadership. AI in a mobility landscape driven by innovation offers vast potential for various applications. Our European projects and partners collaborate closely to enhance transport solutions, making them safer, more sustainable, and efficient," underlines Joost Vantomme, CEO of ERTICO-ITS Europe

Conclusion: AIAMO is transforming tomorrow's mobility management in Europe

AIAMO's ongoing progress is laying the foundation stone for future mobility control. A strategic linking of research, technology transfer and market penetration is creating that sustainable base for pioneering mobility management solutions. Thanks to AIAMOnexus, editionAIAMO and AIAMOitip a new framework is emerging for a sustained mobility transformation in Europe.

Photo 1:



Photo: Emil Berlin / ITS Germany e.V.

Caption: ERTICO-ITS Europe and ITS Germany e.V. agree on close cooperation

l. to r. Joost Vantomme - CEO ERTICO, Markus Wartha - President ITS Germany e.V. and Christian Roszak - Vice-President ITS Germany e.V.

Photo 2:



Photo: ©AIAMO

Caption: Participants of the visionary 3rd AIAMOCamp with AIAMO project partners

AIAMO

The AIAMO research project connects state-of-the art artificial intelligence (AI) developments with concrete applications in intermodal and multimodal mobility. Its goal is the efficient use of mobility data so as to optimise traffic management in urban and rural areas, minimise CO2 emissions and enhance the quality of life for everyone. AIAMO develops and applies AI models to analyse and optimise mobility data. By integrating previously unused data and their intelligent networking and analysis, the project is opening up new opportunities for sustainable mobility.

The consortium led by ITS Germany e.V. with its 13 partners from the world of science, research and industry - T-Systems, Theis Consult, Fraunhofer IML, Bosch, DLR, Helmholtz Zentrum für Umweltforschung, highQ, FKFS, TEQYARD, Swarco as well as Schlothauer & Wauer - develops innovative solutions that equally address the needs of both urban and rural mobility.

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