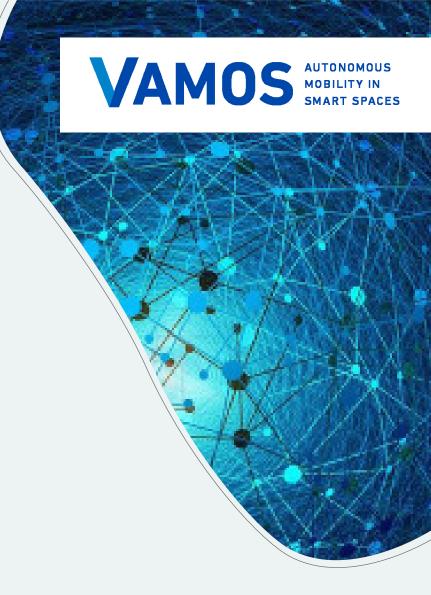
Updated edition •

VAMOS VISIONS

In today's rapidly evolving world, where urbanization, technological advancements, and sustainability are at the forefront of our collective consciousness, the way we move ourselves is profoundly transforming. At the VAMOS ecosystem, our members join forces to co-innovate and implement practical solutions for moving people and things with better experience and efficiency. This work is part of a series that communicates our vision of how autonomous mobility and smart spaces can help us achieve such a goal in 2030.

Cities will grow bigger and be affected by extreme weather conditions due to the acceleration in the global population and climate change in 2030. This time, we present three vision stories narrating the daily lives of people in cities worldwide, specifically in the Nordics, North America, and Asia. By utilizing different autonomous fleets and smart infrastructure to tackle such future challenges, cities will function more efficiently while ensuring better safety and convenience for our lives.

In this updated edition, we outline how the companies in VAMOS ecosystem can significantly contribute to the future narrative with their expertise.





to roam the street.

Efficiency

AUTONOMOUS INFRASTRUCTURE IN THE NORDICS













HOW CAN VAMOS ENABLE TO THE AUTONOMOUS INFRASTRUCTURE IN THE NORDICS?



GIM Robotics provides the navigation tech stack for the snow blowers



LAPIN AMK

VTT & Lapland University of Applied Sciences pursue research with others to enable the advancement of autonomous mobility solutions



Immersal conducts visual mapping of the city to enable autonomous mobility









A Weather or microweather service for road company enables provide real time information and prediction



Unikie provides the marshalling system that controls the autonomous **UNIKIE** vehicles and machines to avoid collision between them and also with human



Murata supplies acceleration sensors for all autonomous machines and vehicles

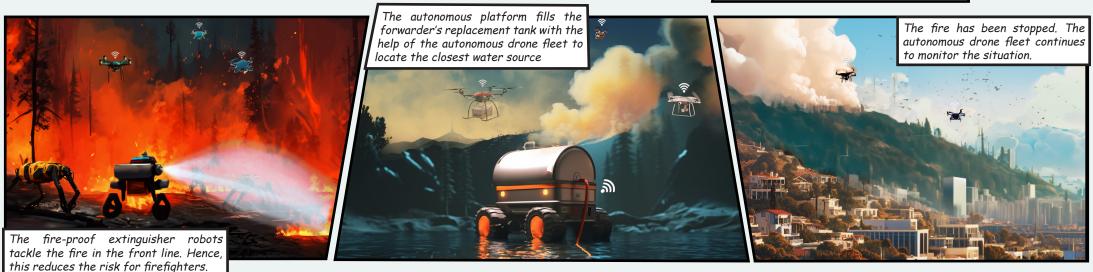


Remoted conducts the remote operation of the autonomous fleet

Safety

PREVENTIVE SYSTEM FOR EXTREME NATURAL EVENTS





HOW CAN VAMOS ENABLE THE PREVENTIVE SYSTEM FOR EXTREME NATURAL EVENTS?



An AI-service company provides computer vision solutions to accurately detect early sign forest fire



Deal Comp supplies the onboard hardware that holds the computational power of the autonomous fleet



An autonomous drone company supplies the drones capable of real-time monitoring









College of the

An autonomous OEM provides heavy industrial machines such as the autonomous firefighting platforms and robots



National Land Survey of Finland provides accurate mapping of the area that allows remote navigation of the autonomous fleet





Nordic Inertial develops the navigation algorithm that allows the autonomous fleet to accurately navigate in GNSS-shadowed area like forest

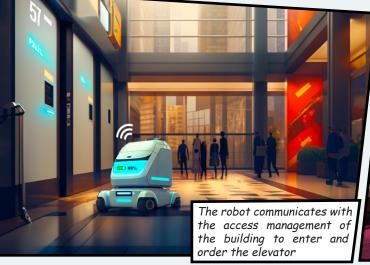


Convenience

PREDICTIVE AUTONOMOUS DELIVERY FLEET











*English translation: "Mom, our grocery has arrived"

Ceterio supplies and ceterio maintains the autonomous delivery robot fleet



LINK Design develops the service and business model service and business as well as the application for the end users. as well as the application

An elevator company supplies elevator and its API that allows smooth flow of people and autonomous machines









An smart building company operates and maintains a seemless connection and integrated communication between smart/autonomous machines and the building



Abloy provides the access management solutions that allow seemless connection between autonomous fleet and future smart building





Kempower and Plugit provide wireless charging solutions integrated with the building



Are you interested in the future of autonomous mobility in smart spaces? Keep an eye on our channels. More stories are coming.



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VAMOS Ecosystem for Autonomous Mobility in Smart Spaces









































