

VAMOS VISIONS

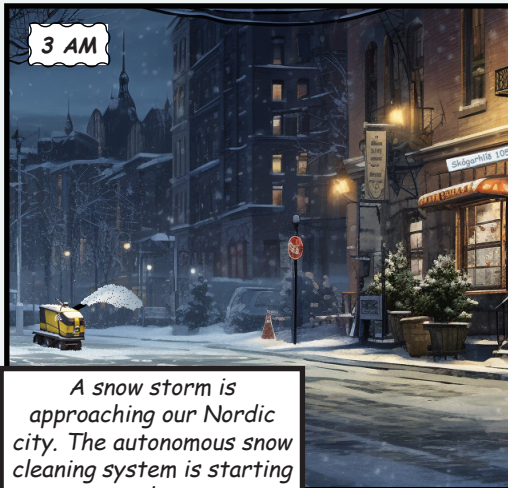
In today's rapidly evolving world, where urbanization, technological advancements, and sustainability are at the forefront of our collective consciousness, the way we move ourselves is profoundly transforming. At the VAMOS ecosystem, our members join forces to co-innovate and implement practical solutions 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.



AUTONOMOUS INFRASTRUCTURE IN THE NORDICS

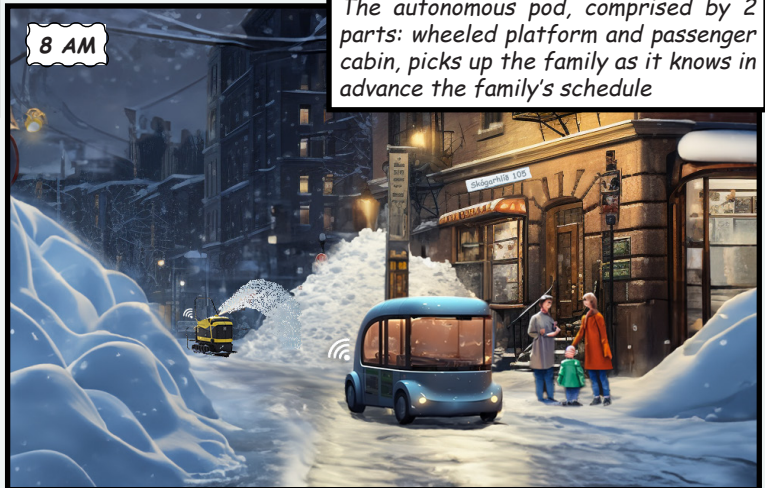
Efficiency



A snow storm is approaching our Nordic city. The autonomous snow cleaning system is starting to roam the street.



The road remains usable despite the snow storm, thanks to the proactive autonomous snow cleaning system



The autonomous pod, comprised by 2 parts: wheeled platform and passenger cabin, picks up the family as it knows in advance the family's schedule



The marshalling system ensures a smooth and safe traffic flow. The autonomous pod drops off the kid here at school.



The autonomous pod continues its journey and drops off the parents at a metro station



The wheeled platform is now equipped with a cargo space. The same autonomous pod continues to perform other functions such as delivery.

Safety

PREVENTIVE SYSTEM FOR EXTREME NATURAL EVENTS

Above a downtown in California, an autonomous drone fleet is monitoring the environment in the forest fire season



Extreme fire broke out and spreads towards the city due to extreme dry weather. The autonomous drone fleet locates the focal points of fire.



The autonomous firefighting forwarder works autonomously with the autonomous drone fleet to tackle the fire and support the firefighters



The autonomous platform fills the forwarder's replacement tank with the help of the autonomous drone fleet to locate the closest water source



The fire has been stopped. The autonomous drone fleet continues to monitor the situation.



The fire-proof extinguisher robots tackle the fire in the front line. Hence, this reduces the risk for firefighters.



PREDICTIVE AUTONOMOUS DELIVERY FLEET

Convenience



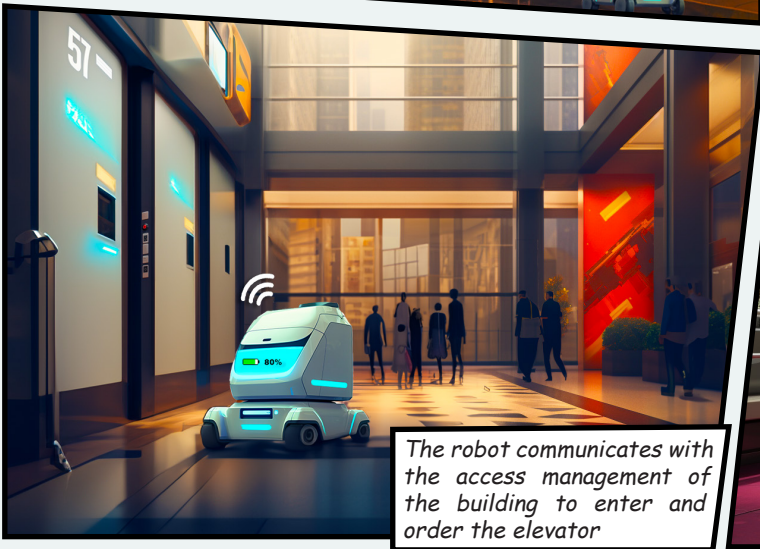
In an Asian megacity, much of the deliveries are done with autonomous fleets



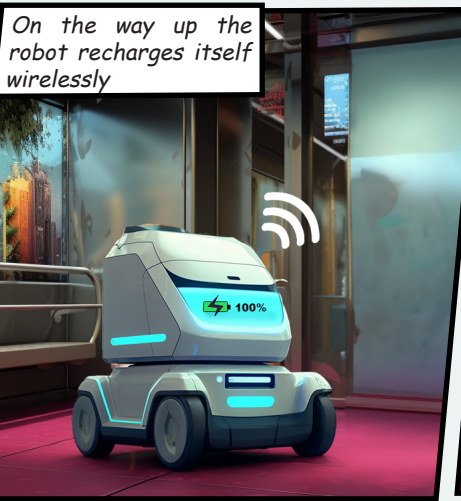
Ms. Hoa is checking her delivery schedule created by AI-delivery service based on her consumption behaviour



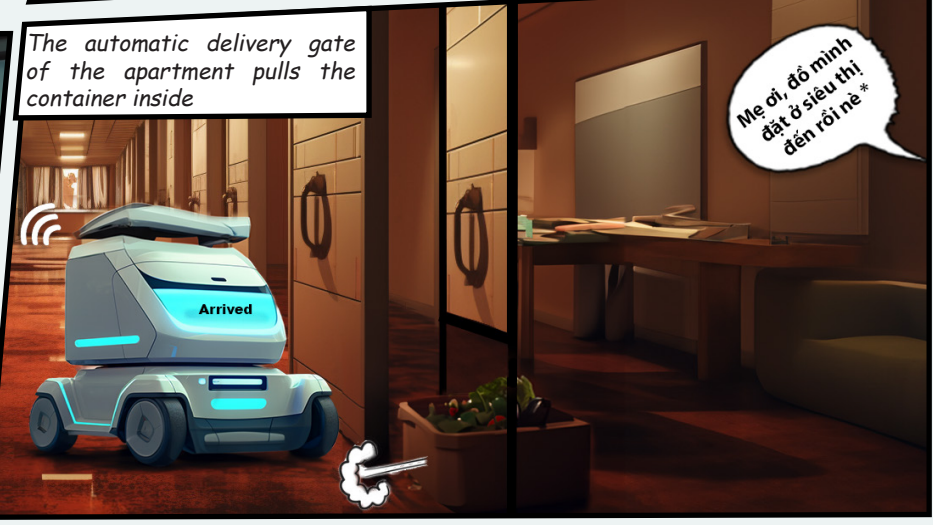
The autonomous delivery robot picks up her order and starts heading towards her apartment



The robot communicates with the access management of the building to enter and order the elevator



On the way up the robot recharges itself wirelessly



The automatic delivery gate of the apartment pulls the container inside

Mẹ ơi, đồ mình đặt ở siêu thị đến rồi nè *

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