



This project has received funding from the European Union's Directorate-General for Communications Networks, Content and Technology, 2020 Work Programme under grant agreement No. LC - 01632937

RIDE2AUTONOMY

Ride2Autonomy demonstrates autonomous shuttles' integration into the transport system in ten EU cities: Differdange (LU), Charleroi (BE), Aveiro (PT), Barcelona (ES), Inverness (UK), Trikala (GR), Tartu (EE), Reggio Emilia (IT), Tampere (FI), and Vianden (LU).

The Project was awarded under the 2020 work programme for Pilot Projects and Preparatory Actions in the field of “Communications Networks, Content and Technology” - Pilot Project Smart urban mobility involving autonomous vehicles.

Reference: Connect/2020/3205093

WHAT IS RIDE2AUTONOMY

Ride2Autonomy is an EU-funded project that continues from April 2021 to October 2022. Due to the variety in approach and context in the ten pilot sites, the project can provide guidelines for other cities to replicate the experience and lessons learned.

Ride2Autonomy has the following objectives:

1. Accelerate the uptake of innovative, inclusive, user-oriented and well-integrated automated shuttle solutions for passengers
2. Increase the public acceptance and use of automated shuttle solutions through fostering a clear understanding of its benefits and limits

The project's specific objectives are to:

1. Validate the way automated shuttle solutions perform in real life environments
2. Evaluate the socio-economic and environmental impacts and user acceptance, based on pilot site data and associated projects
3. Validate the potential reduction of transport emissions and congestion by increasing the efficiency of transport flows through automated shuttle solutions
4. Develop implementation guidelines for automated shuttle solutions, enabling their full integration into others' transport systems
5. Develop guidelines for stakeholder and citizen engagement, policy making, mobility planning for Cooperative, Connected and Automated Mobility (CCAM) solutions and business models, to support the full integration of automated shuttle solutions into transport systems and exploit the relevant strategic partnering opportunities between public agencies and the private sector

WHY RIDE2AUTONOMY

Ride2Autonomy helps develop new passenger mobility concepts leading to healthier, safer, more accessible, sustainable, cost-effective and demand-responsive transport.

Planning, acquiring and operating of driverless shuttles present significant challenges for cities. The implementation guidelines will provide a set of blueprints and recommendations to support any town or city for this purpose. Ride-to-Autonomy aims at harmonising research and innovation efforts around automated shuttle solutions. It will collect lessons learned not just from the pilot sites, but also from further sites expressing willingness to exchange knowledge and lessons learned.



WHO BENEFITS

- European cities

Both pilot sites themselves and cities that want to replicate the experience and lessons learned. The project enhances the importance of green mobility in the European urban environment.

- Disadvantaged urban areas

Connect disadvantaged urban areas to public transport, link shuttle services in rural areas to replace uneconomic public transport lines and develop shuttle services for vulnerable groups, such as special needs schools.

- Policymakers and citizens

Stimulate a stronger mindset geared toward a shift to alternative transport solutions. The project enables cities to adapt to and adopt policies for smart urban mobility, enhance the importance of using integrated urban alternative modes (with mobility as a service), as well as the facilities and fleets of efficiently used green vehicles that are adapted to an urban environment.

HOW DOES RIDE2AUTONOMY PROCEED?

Ride2Autonomy will go through the following steps to accomplish the objectives:

- Ride2Autonomy will realise ten practical demonstrations.
- Oversee tailored educational campaigns at each pilot site, accompanied by “guidelines” assisting each pilot site, to support local communication, promotion and awareness raising efforts.
- Generate a toolbox with five implementation guidelines catering to different and specific mobility needs, specific & generic scenarios and business and operating models for use across the EU’s airports, cities and regions.
- Organise on-site events, webinars, workshops, and partners own conferences.
- Disseminate a “Stocktaking” Report featuring Mobility as a Service (MaaS) projects through the project participant’s networks and integrated into an update of the topic guide on SUMP 2.0 Planning for MaaS.
- Prepare “Pilot Fiches” – one per project site detailing specific automated shuttle experiences associated with the diverse use cases that Ride-to-Autonomy will realise.
- A “Lessons Learnt” guide will summarise Ride-to-Autonomy’s key findings and translated into all EU languages. It will be disseminated via municipal and transport associations, city networks etc.
- A knowledge platform will make available pilot sites’ evaluation data, collected against KPIs.

STAKEHOLDER INVOLVEMENT

- Ride2Autonomy creates synergies between stakeholders and communities dealing with autonomous vehicles and networks within the consortium.
- The stakeholder community is involved throughout the project.
- Stakeholders contribute to the further development of the “Scalable Model” toolbox.

GET IN TOUCH WITH US

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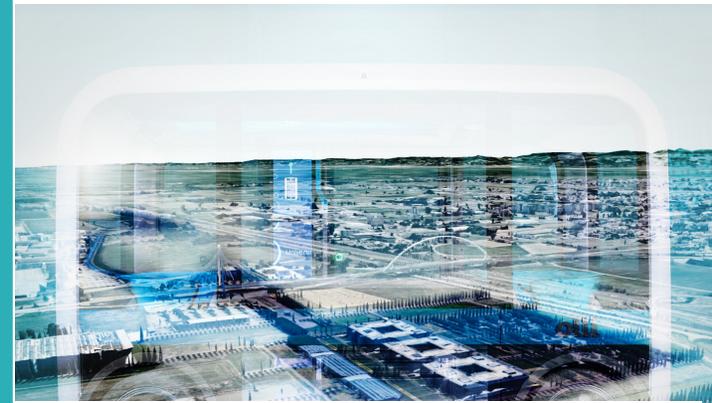
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