

PARTNERS



AVENUE

Autonomous Vehicles to Evolve to a New Urban Experience



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N° 769033

www.h2020-avenue.eu

Avenue is a 4 years' project with 16 European partners and financed by the EU, with mission to demonstrate that autonomous vehicles will be a key element of the solution for the tomorrow's public transportation services. The project will not only assess the road behaviour and safety of the autonomous vehicles in public transportation and complex road situations, but will also demonstrate the economic, environmental and social advantages of autonomous vehicles for both the exploiting companies and the users, opening the way for a full scale adoption and integration of autonomous vehicles in public transportation services. Innovative services like door-to-door and dynamic routing of vehicles in open mixed traffic urban environment, will tested in large scale trials with fleets of vehicles, in **four cities**, representing the most common models in public transport in Europe, in terms of business organization, social targets, and city and road layout.

DEMONSTRATION SITES



LYON

On-demand services, (including also night services), in an eco-friendly economic activity district, in open roads in the middle of complex traffic, connected to existing public transportation services.

LUXEMBOURG

AV services in a residential area, not served today, linked to the existing public transportation services at the periphery of the area.



GENEVA

Door-to-door on demand services in a large hospital area, in mixed traffic roads, including services for with special needs' passengers, and integrated to public transportation, at the periphery of the site.



COPENHAGEN

multimodal transportation in a waterfront mixed activity residential and commercial district, integrated with existing public transportation services.



EXPECTED RESULTS

- Develop and test new innovative and disruptive urban public transportation services and models
- Validate the safety in the usage of autonomous vehicles in complex urban situations
- Evaluate the socio-economic and environmental impacts of AV in public transportation
- Develop business models and propose a roadmap for the adoption of autonomous vehicles for public transport
- Create awareness and promote the advantages of autonomous vehicles in public transportation
- Identify barriers and provide recommendations for all actors regarding the development and integration of autonomous vehicles in public transportation