

PARTNERS

The AVENUE project consortium brings together 16 partners: academic institutions, public transport operators, autonomous vehicle manufacturers, major technology R&D companies and specialized start-ups



**Autonomous
Vehicles to Evolve
to a New Urban
Experience**

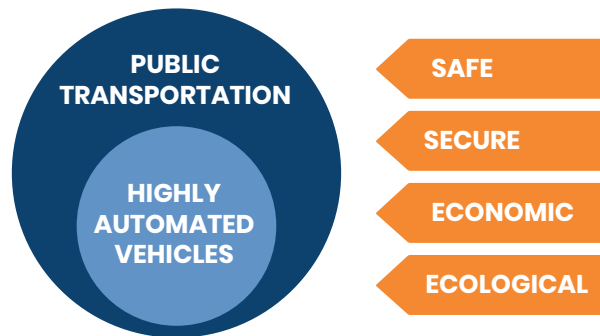


This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 769033

h2020-avenue.eu

Context and objectives of the project

- ▶ European budget € 16 million over 48 months
- ▶ 16 European partners in 7 European countries:
 - **Objectives:** To demonstrate that autonomous vehicles will be the solution for public transport of the future
 - **Our ambition:** to reach level 5!
 - Create a new concept of «disruptive» public transport.
 - Demonstrate that Europe can become a world leader in this field.



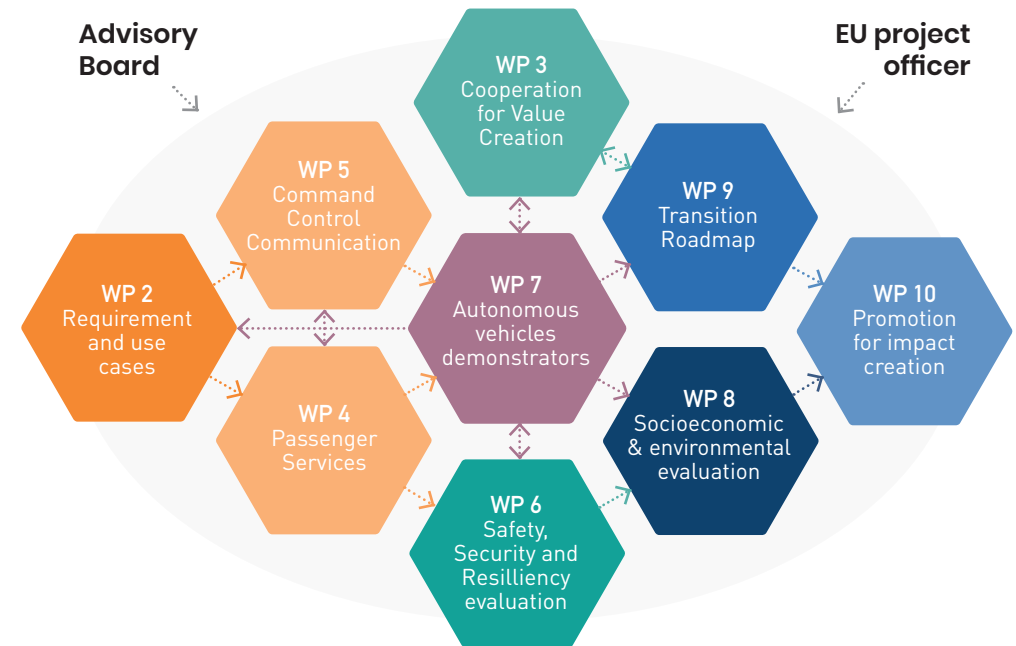
AVENUE project's mission

Deploy and validate a fleet of autonomous minibuses integrated into the existing public transport services of 4 European cities (in a first step):



- In close cooperation with public transport operators
- Provide high-performance transportation services for users
- In selected strategic areas (where existing services are weak or unsustainable) and
- In complex urban situations (automated and non-automated vehicles, pedestrians, cyclists, powered two-wheelers, etc.)

WP 1 Project management



AVENUE project key task

- ▶ Provide personalized door-to-door services, taking into account the particular needs of passengers, including passengers with reduced mobility, the elderly, specific needs related to gender and age, etc.
- ▶ With the use of cloud computing technologies and services, passengers will define their transportation needs.
- ▶ Depending on the availability of the vehicles, the load of the vehicle and other needs (possibly the price), the route of the vehicle will be changed to take the passenger to the point requested and drop it at its destination.
- ▶ In coordination with the use of other existing means of transport to offer the passenger the optimal means for their transport needs.