



AUTONOMOUS SHUTTLES FOR PUBLIC TRANSPORT SERVICE PRESENTED IN TURIN: ROAD TESTS TO START SOON.

For the first time in Italy, a fleet of autonomous vehicles for public transport will run on public road over a distance of approximately two kilometres

Turin, 14 July 2022

The self-driving shuttles (manufactured by Navya), which will be the protagonists of the first experimentation of autonomous driving, in Italy, for public transport service, which will be held on a typical city route and with passengers on board, have been presented this morning in Turin, at the GTT Nizza garage.

The presentation was attended by Turin City Councillor for Transport and Digital and Ecological Transition Chiara Foglietta, representatives from GTT, LINKS Foundation, and all the several partners which joined this complex and innovative pilot project called auTOnomo GTT, implemented thanks to the European funding for the SHOW project.

Today represents an important milestone for the SHOW project. On-road trials will formally start on 26 July: final preparations to make each vehicle compliant with technical standards have been made, and then the first tests will be held.

The vehicles will run along an approximately 2-km test track, along which appropriate signs have been put up, in the area where city hospitals are located (formerly known as Molinette, Sant'Anna, CTO, which now form the "City of Health and Science").

The pilot project in Turin, coordinated by LINKS Foundation and managed by GTT, offers flexible on-demand public transport (the route, as well as bus times, is predefined but not fixed) on autonomous vehicles.

The service will be operated with two autonomous shuttles capable of moving in the normal urban traffic and detecting obstacles - whether they are cars, bicycles or pedestrians - in real time and in a reliable way. Each vehicle, which is also accessible to people with disabilities, can accommodate up to 14 passengers (11 seated and 3 standing); as per regulations, a GTT operator will always be on board to provide assistance when needed.

During this testing phase, the service will be free of charge and available by reservation via the auTOnomo GTT app, available soon for Android and iOS devices.

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The map below shows the route in detail:



For a short period, about three weeks between October and November 2022, the shuttles will also run along an authorised route in a more southerly area (between Via Valenza, Via Ventimiglia, Corso Maroncelli and Via Genova) to test some use cases.

The autonomous experimentation in Turin will take place in two phases:

- July - October 2022: pre-demo (period for testing vehicles, training of on-board operators, no passengers allowed on the vehicles)
- October 2022 - March 2023: demo (real-life experimentation, open to citizens by reservation). During this period, the two shuttles will be in service 6 hours during weekdays (h. 12:30-18:30) and 4 hours during holidays and pre-holidays (h. 15-19).

The partners and actors involved in Turin experimentation are: GTT (service manager), Fondazione LINKS (coordinator of Turin experimentation), Navya, Ioki, Swarco and 5T (technology/research and development partners), City of Turin, City of Health and Science, Reale Group, TIM, Iren and TTS Italia (institutional partners/supporters).

The experimentation will take place as part of SHOW, a project funded by the European Union within the Horizon 2020 programme, which aims to support the transition to sustainable urban transport through the circulation of fleets of autonomous vehicles. Among the 20 European cities involved in SHOW project, Turin is the only Italian city to take part.

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