



Navya reaches a new milestone in autonomous mobility with the first fully autonomous level 4 operation on a closed site

Villeurbanne, France, July, 09 2020 – 5:45 pm CEST – Navya (FR0013018041- Navya), a leading company in autonomous driving systems, launches a level 4 fully autonomous shuttle service, meaning without a safety operator on board. This service has been launched progressively since June 22nd at the National Sport Shooting Centre (NSSC) in Châteauroux, France, in partnership with Keolis.

A decisive step towards a fully autonomous commercial offering

Since June 22nd 2020, the "Autonom[®] Shuttle Evo" shuttle has been circulating within the National Shooting Sport Centre allowing athletes and visitors to move from the car park to the reception area. With a distance of 1.5 km, this route is carried out at a maximum speed of 18 km/hour.

This launch is a decisive step towards the development of a transport offering that integrates level 4 full autonomy vehicles (which corresponds to a real autonomy without a safety operator on board). This service is carried out in complete safety for passengers and other road users.

The service also marks the first-ever global deployment of the "Autonom Shuttle Evo", the result of six years of experimentation and nearly 200 Navya deployments worldwide. This new "Autonom Shuttle Evo" version incorporates essential improvements to achieve level 4 autonomy, including:

- Autonomization of functions to offboard the safety operator in a remote supervision center;
- Reinforced and optimized sensor architecture to offer a wider vision and guarantee safety;
- Revised user experience (passenger information banner with visual and audible announcements, optimized access for people with reduced mobility);
- Enhanced connectivity to remotely monitor vehicle status in real time and ensure secure predictive maintenance.

Gradual and secure implementation

Thanks to the continuous improvement of the "Navya Driver" autonomous driving software and the sensor architecture of the "Autonom Shuttle Evo", the shuttle operates without a safety driver, in a determined environment and on a predefined route, with off-board supervision that can take control of the vehicle in real time, if necessary. The presence of other users (pedestrians, cyclists and other vehicles) on the site is regulated thanks to secure access and reduced driving speed.

In later stages of the experiment, the shuttle will be supervised from a remote control centre. The shuttle will operate on a route that includes a multi-lane road and intersections with connected traffic lights.

Etienne Hermite, Chief Executive Officer of NAVYA says: *"The integration of this level 4 fully autonomous service operated by Keolis is an important step for Navya. We want to demonstrate that we are going to provide a truly autonomous transport service. This is the key to deliver on the promise of driverless and the business model associated. Indeed, even at controlled speed and in a controlled environment, there are countless commercial uses (industrial sites, campuses, tourist sites, etc.) that represent as many opportunities for our technology. In the coming months, we will focus on taking the steps that will enable us to commercialize these use cases."*

[Click-here](#) to access photos and videos of the "Autonom Shuttle Evo" shuttle in operation.



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self-driving made real

About NAVYA

Navya is a leading French name in the autonomous driving systems. With 280 employees in France (Paris and Lyon) and in the United States (Michigan), Navya aims at becoming the leading player for the supply of autonomous driving systems for passenger and goods transport. Since 2015, Navya has been the first to market and put into service autonomous mobility solutions. The Autonom[®] Shuttle, main development axis, was launched in September 2015 and nearly 160 units have been sold as of 31 December 2019, notably in the United States, France, Germany, Switzerland, Japan and Australia. The Autonom[®] Tract is dedicated to goods transport. Created in 2014 with the support of Robolution Capital, investment fund managed by 360 Capital Partners, his reference shareholder, Navya's shareholders also include the Gravitation fund and Paris Region Venture Fund (Région Île-de-France) managed by Cap Decisif Management as well as Valeo and Keolis groups. Navya is listed on the Euronext regulated market in Paris (ISIN code: FR0013018041- Navya). For more information visit: www.navya.tech/en



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