

## **Karsan Introduces Sweden to Autonomous Technology in Public Transportation!**

### **Karsan Autonomous e-ATAK Will Be Sweden's First Driverless Bus!**

### **Karsan Autonomous e-ATAK to Break New Ground in Sweden's Public Transportation!**

**Karsan, which is on its way to becoming a global brand with its vision of being "One Step Ahead in the Future of Mobility", has added a new one to its global firsts. Karsan Autonomous e-ATAK, the world's first and only Level-4 automated bus carrying ticketed passengers in open traffic, will now become Sweden's first driverless vehicle. Karsan Autonomous e-ATAK will start passenger service in August 2025 as part of a project implemented in Sweden by Karsan and Adastec in cooperation with Västtrafik, Vy Buss and Applied Autonomy, which will provide an uninterrupted and efficient transportation solution in the Garda region of the city by connecting Gothenburg's Central Station to Liseberg Station. Stating that the Autonomous e-ATAK has been supporting public transportation in different parts of the world since 2021, Karsan CEO Okan Bař said, "Karsan Autonomous e-ATAK, our first level-4 autonomous bus carrying ticketed passengers in open traffic in Norway and Finland, will now break new ground in Sweden's public transportation. To date, we have gained a great deal of experience with the 100,000 kilometers we have covered and the 35,000 passengers we have transported with our autonomous vehicle. This experience and the feedback we receive from our customers enable us to produce more innovative solutions every day and to continuously go further by breaking our limits. We will continue to shape the future by reinforcing our leadership in the sector in autonomous technology." Commenting on the subject, Dr. Ali Ufuk Peker, CEO of ADASTEC, said, "I am very proud to have launched Sweden's first SAE Level-4 automated**

**public transport bus in cooperation with Västtrafik, Vy Buss, Karsan and Applied Autonomy. In this journey, which we started about three years ago by realizing a "world first" in Europe and America, we have successfully put into service our buses carrying ticketed passengers on roads open to traffic with our autonomous driving software in many European cities and continue to do so."**

Playing a pioneering role in the transformation of public transportation into electric and autonomous vehicles, Karsan continues to break new ground in the sector with its innovative technologies. Karsan, which has become a global brand with its successful projects in a wide geography from Japan to the USA, provides service with its electric vehicles in 23 countries on 3 continents. In this context, Karsan Autonomous e-ATAK, the world's first Level 4 autonomous electric bus developed by Karsan and its technology partner ADASTEC, is preparing to carry passengers in the Swedish market.

### **It will start carrying passengers in August 2025!**

In August 2025, Karsan Autonomous e-ATAK will start passenger service as Sweden's first Level 4 automated vehicle in a project realized by Karsan in cooperation with ADASTEC, Västtrafik, Vy Buss and Applied Autonomy. With the realization of the project, Karsan Autonomous e-ATAK will connect Gothenburg's Central Station to Liseberg Station and provide an uninterrupted and efficient transportation solution in the Gårda area of the city. Within the project, ADASTEC's flowride.ai platform seamlessly integrates with Gothenburg's transit infrastructure, creating an operationally efficient and accessible route that enhances the city's connectivity. The bus will initially operate as part of Västtrafik's public transportation network. Stating that they continue to play a pioneering role in the transformation of public transportation to electric and autonomous vehicles in the world with the vision of being "One Step Ahead in the Future of Mobility", **Karsan CEO Okan Baş** said, "Since the launch of Karsan Autonomous e-ATAK in 2021, we have proven our reliability with 35,000 passenger experience. Our vehicle, which performs smoothly in harsh weather conditions up to minus 25 degrees, also became the first autonomous vehicle in Europe to pass through a tunnel. The firsts and successful works we have realized encourage us even more to achieve much better ones." Dr. Ali Ufuk Peker, CEO of ADASTEC, said: "The flowride.ai software developed by ADASTEC has proven itself with real-world applications in buses integrated by Karsan at the factory, adding value to local communities with sustainable and accessible public transportation solutions. This project in Gothenburg once again

demonstrates the global importance of autonomous public transportation for sustainability and urban mobility. We believe that such initiatives will lay an important foundation for creating smarter, more connected cities that reduce carbon footprint and increase inclusivity in the future."

### **35 thousand passenger experience, the first and only in the world!**

Karsan Autonomous e-ATAK broke new ground in the world by carrying passengers on a 5-kilometer route for 1.5 years on the Michigan State University campus in the USA. In Stavanger, Norway, the Autonomous e-ATAK, which has been carrying ticketed passengers in open traffic since 2022, recently expanded its existing route by updating it with a route including a tunnel, and successfully passed another challenging test as the first autonomous vehicle to pass through a tunnel. After the USA, Norway, France, Romania, Finland, Netherlands, Switzerland and Türkiye, Karsan will now be present in Sweden with its autonomous e-ATAK projects in 9 different locations. Karsan continues to be the world's first and only level-4 autonomous bus carrying passengers in open traffic.

### **Karsan Autonomous e-ATAK is ready for continuous service!**

Equipped with the Advanced Sensor Suite, Karsan Autonomous e-ATAK uses a combination of LiDAR, Radar, RGB Cameras, GNSS and state-of-the-art sensors that work together to provide precise navigation and situational awareness in different weather conditions.

The vehicle, which can reach a speed of 40 km/h in autonomous driving in all weather conditions, day or night, performs all operations performed by a bus driver, such as approaching the stops on the route, managing the boarding and alighting processes, and providing direction and management at intersections and crossings and traffic lights, without a driver.

The 8.3-meter-long Karsan Autonomous e-ATAK is a sustainable, high-capacity transit solution that can efficiently meet Gothenburg's urban transportation demands. The bus's



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ability to be fully charged in 5 hours with AC units and 3 hours with DC units ensures that the vehicle is always ready for service.

#### About Karsan:

With 58 years of experience in the Turkish automotive industry, Karsan has been producing commercial vehicles for the world's leading brands, including its own brand, in its modern facilities since its establishment. Since 1981, Karsan has been producing commercial vehicles at its plant in Hasanağa, Bursa, which is capable of producing ~20,000 vehicles in a single shift. Designed to be flexible enough to produce all types of vehicles from passenger cars to heavy trucks, minivans to buses, the Hasanağa Plant is located 30 km from Bursa city center, on a total area of 203,000 square meters, 99,000 square meters of which is covered.

Karsan, the only independent multi-brand vehicle manufacturer in the Turkish automotive industry, aims to take its place in all segments of passenger transportation by developing new and derivative products together with its business partners and licensors in line with its vision of being one step ahead in the future of mobility. Continuing its activities to develop and launch "innovative products and services" from "idea to market" in the public transportation sector, Karsan aims to strengthen its Main Manufacturer/OEM business line in particular.

Karsan continues to develop and launch "innovative products and services" in the public transportation sector from "idea development to the market" and aims to strengthen the main manufacturer/OEM business line in particular. Karsan manages the entire automotive value chain, from R&D to production, marketing, sales and after-sales activities. Karsan produces the Jest and Atak models under its own brand. Karsan e-JEST in 2018, Karsan e-ATAK in 2019, Autonomous e-ATAK, a world-first Level-4 self-driving bus developed in collaboration with local technology company ADASTEC in 2021, 10m, 12m, 18m models of the congenital electric e-ATA family in the same year, and e-ATA HYDROGEN in 2022, Karsan became the first and only company in Europe to offer a fully electric product range from 6 meters to 18 meters. As of 2022, Karsan is also producing Meğane Sedan cars for the Renault brand, and at the end of 2023, Karsan became the first European bus manufacturer to enter the Japanese market with the right-hand drive e-JEST model.