

## **Groundbreaking Cooperation between Karsan and Toyota Motor Europe in Hydrogen Technology!**

Playing a pioneering role in transforming public transport to electric and autonomous vehicles worldwide with the vision of being "One Step Ahead in the Future of Mobility", Karsan has taken another significant step in hydrogen technology it has been producing since 2022. Karsan, which has started an important cooperation with Toyota in fuel cell technology, plans to launch its first hydrogen fuel cell-equipped vehicles in 2025. Stating that Karsan constantly strives to offer its customers the best service, Karsan CEO Okan Bař said, "As Karsan, our progress in advanced technologies continues unabated. We don't find being the pioneer in mobility sufficient, we continue to implement future-shaping innovations, with the desire to achieve better.

Through this cooperation, we are proud to include Toyota, a global powerhouse that has proven itself in hydrogen technology, among our business partners. Toyota, the Japanese automotive company, has more than 30 years of hydrogen technology experience in road transport. Hydrogen is an environmentally friendly and innovative technology. With e-ATA Hydrogen launched at the end of 2022, we executed our vision for cutting-edge technologies once more. Owing to this new partnership, we will get stronger with outstanding Japanese technology, maintaining our claim in the field of hydrogen." Thiebault Paquet, Vice President of Toyota Hydrogen Factory Europe stated: "We strongly believe that Hydrogen will play a crucial role in future decarbonization of public transport. That's why we are more than happy to extend our cooperation and supply Karsan with our Fuel Cell Modules, together working towards a hydrogen society."

Karsan, which revitalizes public transport worldwide using new-generation technologies, continues to intensify its efforts based on R&D competency through new collaborations with the leading partners in the sector. Offering service with over 1100 electric vehicles spread across 23 countries, particularly in Europe, with the vision of being "One Step Ahead in the Future of Mobility", Karsan is also accelerating its

investment for hydrogen fuel cell models representing new generation technology in the sector.

### **We continue to implement the innovations that shape the future.**

Karsan, which introduced its e-ATA Hydrogen model to the world, on the occasion of the IAA Transportation Fair held in Germany in September 2022, has taken a crucial step to strengthen its claim in hydrogen technology and advance further in this field. As part of this progress, the company signed a cooperation agreement with Toyota, one of the world's leading automobile and technology manufacturers. Within the scope of this cooperation, Karsan will constantly diversify its technological solutions by using Toyota's Fuel Cell Module as an alternative in its hydrogen vehicles. Stating that Karsan permanently strives to offer its customers the best service, **Karsan CEO Okan Bař** said, "As Karsan, our progress in advanced technologies continues unabated. Beyond being the pioneer in mobility, we always aim for the best through future-shaping innovations, with the desire to achieve better. Accordingly, we keep our motivation to be a brand offering our customers the most reliable and best-performing mobility solutions with our being 'One Step Ahead in the Future of Mobility' vision." Emphasizing their high pleasure due to the cooperation with a strong brand such as Toyota, **Okan Bař** said,

"Through this cooperation, we are very proud to include Toyota, a brand that has proven itself worldwide in hydrogen technology, among our business partners. Toyota, Japan's giant industrial power, is known for more than 30 years of hydrogen technology experience in a broad range from automotive to maritime transport, from trains to freight transport. Hydrogen is an area we, as Karsan, consider a priority in environmentally friendly and innovative technologies. With e-ATA Hydrogen launched at the end of 2022, we put this vision forward. Owing to this robust cooperation, we are taking our claim in the field of hydrogen even further by getting strength from Japanese technology." **Thiebault Paquet, Vice President of Toyota Hydrogen Factory Europe** stated: "We strongly believe that Hydrogen will play a crucial role in future decarbonization of public transport. That's why we are more than happy to extend our cooperation and supply Karsan with our Fuel Cell Modules, together working towards a hydrogen society."



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## Latest generation Fuel Cell Modules (85 kW) to be used.

Toyota's fuel cell vehicles have proven their reliability, durability, and efficiency by covering more than 20 million kilometers in total. As part of this cooperation, Karsan's hydrogen buses equipped with Toyota Fuel Cell Modules are expected to be released to the market in 2025. Toyota assembles fuel cell systems at its facilities located in Zaventem, Belgium.

### About Karsan:

With 58 years of experience in the Turkish automotive industry, Karsan produces for the world's leading automotive companies, including its own brand, in its state-of-the-art facilities in the commercial vehicle segment. Since 1981, Karsan has been producing commercial vehicles, and its factory in Hasanağa, Bursa has the capacity to produce 20,000 vehicles in a single shift every year. The Hasanağa Plant, which is structured with the flexibility to produce all kinds of vehicles from passenger cars to heavy trucks, minivans and buses, is located 30 km from Bursa city centre on a total area of 203 thousand square metres, 99 thousand square metres of which is covered.

Karsan is the only independent multi-brand vehicle manufacturer in the Turkish automotive industry. In line with its vision of being one step ahead in the future of mobility, Karsan aims to take part in all segments of passenger transport by developing new and derivatives of existing products with its business partners and licensors.

Continuing its activities to develop and launch "innovative products and services" in the public transport sector "from idea to market", Karsan 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 Jest and Atak models under its own brand. In 2018, Karsan launched the e-JEST, followed by the e-ATAK in 2019 which are the market leaders of Europe for 4 consecutive years. In 2021, in collaboration with the technology company ADASTEC, Karsan developed the Autonomous e-ATAK, the world's first Level-4 automated bus. In the same year, it introduced the 10m, 12m, and 18m models of the born electric e-ATA family. In 2022, Karsan released the e-ATA HYDROGEN model and becoming the first and only company in Europe to offer a full e-range from 6 meters to 18 meters. As of 2022, Karsan also manufactures Megane Sedan cars for the Renault brand, and at the end of 2023, it became the first European bus manufacturer to enter the Japanese market with its right-hand drive e-JEST model.

### About Toyota:

Toyota Motor Europe NV/SA (TME) oversees the wholesale sales and marketing of Toyota, GR (Gazoo Racing) and Lexus vehicles, parts, and accessories, as well as Toyota's European manufacturing and engineering operations. Toyota directly employs over 27,000 people and has invested over EUR 10 billion in Europe since 1990. Its eight European manufacturing plants are located in Portugal, the UK, France, Poland, Czech Republic and Türkiye. Today, there are approximately 16.5 million Toyota, GR and Lexus vehicles on European roads, whose drivers are supported by a network of 28 National Marketing and Sales Companies and around 2,800 retail sales outlets in 53 countries (EU, UK, EFTA countries + Israel, Turkey, and other Eastern European countries). In 2021, TME sold 1,076,300 vehicles in Europe for a 6.4% market share. For more information, visit Facts & Figures ([toyota.eu](http://toyota.eu)) and [www.toyota-europe.com](http://www.toyota-europe.com).

Toyota believes that when people are free to move, anything is possible. In the pursuit of "Mobility for All", Toyota aims to create safer, more connected, inclusive, and sustainable mobility to achieve its mission of producing "Happiness for All." In Europe, TME launched the KINTO mobility brand which offers a range of mobility services in 14 countries and is growing its business-to-business sales of zero-emission fuel cell products and



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engineering support. Contributing to the UN Sustainable Development Goals, Toyota is working to achieve carbon neutrality in its entire business across Europe. A historic leader in CO2 reduction in Europe, TME aims to achieve 100% CO2 reduction in all new vehicles in Western Europe by 2035 and will continue to offer a full range of electrified powertrains to customers across the region with its hybrid, plug-in hybrid, battery and fuel cell electric vehicles. When it comes to sustainability, Toyota is committed to going Beyond Zero.

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