



## Hannover Exhibition Attack from Karsan!

### Domestic Manufacturer Karsan Left Its Mark In Germany With The New Models!

**Karsan, producing modern public transportation and commercial vehicles for the mobility needs of our era, has made an attack in 67th IAA Commercial Vehicles Fair with its four new models. Atak Electric and Star School Bus were presented for the first time in the exhibition organized in Germany. Automatic transmission version of CS, and CS Electric, which was re-developed regarding Karsan's collaboration with BMW, received the attention of the visitors in the expo.**

**Karsan CEO Okan Bař stated that they try to find the necessities of the cities and produces specific solutions for each city. He said: "We develop our products by closely following the innovations in electric vehicle technology. We are proud to serve in 20 different countries in the world with our innovative product solutions to leave a better world to the next generations. With our innovative brand DNA and our mission to produce sustainable solutions, we will continue to work on battery electric vehicles and develop our product range in this direction."**

IAA Hannover Expo, which is one of the leader exhibitions in the field of commercial vehicles, has welcomed its visitors from all around the world for the 67th time this year. Karsan has left its mark with their three new models on the first day of the expo, which will be open until September 27, Thursday. Atak Electric and Star School Bus were presented for the whole world to see for the first time in IAA Hannover Exhibition.



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Karsan CEO Okan Bař, underlined that they have presented four different models, two of which were completely electric. Bař said: "Atak Electric and CS Electric, which were the products of our collaboration with BMW, were the most notably remarkable models in the expo, thanks to their high technology features and environmentalist attitudes. Star School Bus has managed to get quite a bit of likings with its superior safety precautions, while automatic transmission version of CS has made a difference with its design and dimensions."

### **Atak Electric is recharged in 2,5 hours!**

Atak Electric was designed with a collaboration of Karsan R&D and BMW. It was developed in order to industrialize the technological batteries used in BMW's automobiles. With 230 kW of power, 2400 Nm of torque-producing fully-electrical and silent motor with zero carbon emission, Atak Electric gives no lack of performance, even in such road conditions with %25 of slope. Its battery system of 5x44 kW and 300 km of range, developed by BMW can be recharged fully in 2,5 hours and has a capacity of 57 passengers.



## **Future's Transportation Solution Karsan CS Electric**

CS Electric follows the technology closely with its new 10" touch screen and full digital cluster. BMW-manufactured electric motor produces maximum 170 HP and 290 Nm of torque, collaborating with a single-ratio gearbox. CS Electric, with 33 or 66 kW-hour batteries developed & produced by BMW, offers a range of 165 km. It can be recharged in 8 hours with traditional AC charging units and in 1,2 hours with fast DC charging stations. Moreover, thanks to the regenerative braking system that provides energy recovery, the batteries can charge up to 25%. Batteries used in CS Electric, offer 3 years or 120,000 kilometers of battery warranty. Karsan CS Electric offers a passenger capacity of up to 26 people.

## **Star School Bus Applies Alcohol Test to the Drivers**

Star school bus, which is a candidate to be the indispensable of the European markets with its superior security systems, draws attention with its features such as the driver alcohol test, smart seat sensor prevents forgetting students inside the school bus, two or three pointed seatbelts, superior protection with the bus chassis, advanced emergency brake system and emergency exit door. Star school bus promises superior climbing and maneuverability with its strong 185 HP rear located engine to assure maximum silence for the passengers. It also has Electric Controlled Air Suspension (ECAS) with kneeling function, 6 speed manual or automatic transmission option, wide angle view and a passenger capacity of 33 people.

## **CS Automatic has the most powerful engine in its class!**

Karsan CS equipped with six speed automatic transmission, outshines its opponents in IAA Hannover with its compact structure that allows it to pass through narrow streets and high maneuverability. With its 3.0 liters new engine, 170 HP and 400 Nm torque, it earns the title of the most powerful engine in its class.

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The new engine, which meets Euro 6 norms, makes a difference with its more powerful and more flexible, yet more greener performance. Karsan CS Automatic, provides 100% capacity even during non-rush hours compared to 8-12 meters big buses, thus saving up to 70% more fuel.

**Karsan in Brief:**

Founded in 1966, Karsan Automotive Industry and Trade Anonymous had functioned under Koç Group in 1979-1998. Upon purchase of majority of stocks in 1998 by İnan Kır aç the company was implemented in Kır aça Holding. Aiming to manufacture a grand scale of products, from automobiles to town cars, from minivans to heavy vehicles, Karsan, located in its modern facilities in Bursa today, produces H350 model panelvan's licensed under Hyundai Motor Company, minibuses, chassis pickup trucks, Bozankaya brand electric buses and Menarinibus brand buses along with Karsan CS, Karsan ATAK and Karsan Star under their own brand. The company also is responsible for both local and international marketing, sales and post purchase service for Karsan brand vehicles and products.

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