



## **IAA TRANSPORTATION 2022:**

### **QUANTRON celebrates the world premiere of trucks with hydrogen and electric powertrains**

Quantron AG, specialist in sustainable passenger and freight transport, provides its customers with battery- and hydrogen-electric mobility solutions tailored to their individual needs, depending on the required area of application. At the IAA Transportation 2022, QUANTRON will present two new vehicles from the heavy-duty sector: a hydrogen-powered FCEV truck for long-distance travel in Europe and the fully electric QUANTRON QHM BEV 50-392.

#### **World's first: QUANTRON heavy-duty EU truck with fuel cell technology**

As a world first, Quantron AG is releasing details on the FCEV truck for the first time. The vehicle was developed as part of a strategic partnership with the world's leading hydrogen expert, Ballard Power Systems, and features an integrated E-axle from a global Tier 1 propulsion leader. The FCEV truck will be available from the second quarter of 2023 onwards. The unique selling points, which are best-in-class in the existing competitive segment, include a range of up to 700 km, uncompromising suitability for everyday use with a cabin which provides drivers with overnight accommodation during long journeys as well as the option of using ISO standard trailers. The FCEV truck will feature a hydrogen tank capacity well exceeding 50 kg stored H<sub>2</sub>.

#### **All-electric QUANTRON QHM BEV 50-392 heavy-duty truck**

The all-electric QUANTRON QHM BEV 50-392 based on the MAN TG3 (TGS & TGX) is new in the Quantron AG portfolio. The heavy truck can already be ordered by customers and is ideally suited for factory and distribution operations thanks to its low-noise and emission-free drive. The QUANTRON QHM BEV 50-392 is available in different configurations as a 4x2 and 6x2. It has a range of up to 350 km with a high-voltage 392 kWh battery and can be charged with power outputs of up to 350 kW. The first customers include companies that focus on sustainability and new technologies such as the waste disposal and logistics companies, Ansoerge and DORR.

#### **All-round service for customers with Quantron-as-a-Service**

##### **Quantron AG**

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As part of its hydrogen offensive, Quantron AG is further expanding its 360-degree ecosystem Quantron-as-a-Service (QaaS). In future, QUANTRON wants to orchestrate the production of green hydrogen and sustainable electricity and cooperate with hydrogen filling stations and offer charging options. Through investment subsidies and tax benefits, the price of hydrogen per kilometre will correspond to the price of diesel per kilometre as early as 2024. In the following years, the kilometres driven using a hydrogen-powered drive will become even cheaper than diesel due to the increasing diesel CO<sub>2</sub> tax and financing costs.

#### Technical data: QUANTRON FCEV EU truck

<b>Continuous engine performance</b>	Approx. 400 kW
<b>Max. range</b>	700 km
<b>Tank capacity</b>	Over 50 kg H <sub>2</sub>
<b>Battery capacity</b>	Approx. 120 kWh
<b>Fuel cell performance</b>	240 kW
<b>Axle configuration</b>	4x2 / 6x2
<b>SOP</b>	Q2 2023

\*\* All information refers to the current status as of August 2022. QUANTRON AG reserves the right to change the technical properties and specifications of its products without prior notice. The operating range was simulated according to WLTP and varies depending on the payload and driving profile.

#### QHM BEV 50-392\* on the basis of the MAN TGS / TGX

<b>Max. engine performance</b>	375 kW
<b>Max. range</b>	350 km
<b>Battery capacity</b>	280-392 kWh
<b>Charging time</b>	20 – 80% SOC in less than 1h
<b>Max. charging capacity</b>	350 kW
<b>Min. wheel base</b>	3600 mm
<b>Axle configuration</b>	4x2 / 6x2

#### Technical data: QUANTRON

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#### About Quantron AG

*Quantron AG is a system provider of sustainable battery-electric and hydrogen-powered e-mobility for commercial vehicles such as trucks, buses and vans. The wide range of services is based on the two business units Q-Retrofit*

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 **QUANTRON**  
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*(electrification of used and existing vehicles from diesel to zero-emission electric drive) and Q-Mobility (OEM for own zero-emission QUANTRON vehicles). With the Quantron-as-a-Service Ecosystem (QaaS), Quantron AG also offers an overall concept for zero-emission mobility. This includes the creation of individual overall concepts including the tailor-made charging solutions, hydrogen refilling infrastructure as well as rental, financing and leasing offers and training courses and workshops at the QUANTRON Academy. The e-mobility pioneers also sell batteries and integrated customized electrification concepts to manufacturers of commercial vehicles, machinery and intralogistics vehicles. The German company from Augsburg in Bavaria has a network of 700 service partners and the extensive knowledge of qualified experts in the fields of power electronics and battery technology. As a high-tech spinoff of the renowned Haller KG, it combines over 140 years of commercial vehicle experience with state-of-the-art e-mobility know-how.*

*QUANTRON stands for the core values Reliable, Energetic, Brave. The team of experts at the innovation driver for e-mobility is making a significant contribution to sustainable, environmentally friendly passenger and freight transport. You can find more information at [www.quantron.net](http://www.quantron.net)  
Visit the Quantron AG on its social media channels on [LinkedIn](#) and [YouTube](#).*

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