

PRESS RELEASE – QUANTRON AG

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Quantron AG launches fuel cell trucks in Europe

From now on the Quantron AG also offers solutions for companies and communes, willing to use fuel cell trucks for their purposes. This also stops the debate about trucks in this range and their prototype stage/phase. The Energon is the first of many more trucks with fuel cells in the range of Quantron. The start of serial production is planned for March 2022.



There is not much to deny: the transport sector also needs to make its contribution to achieve the agreed international climate objectives. There is a lot of discussion going on but to keep things in perspective we do need those emission-free trucks now, to avert the impending penalties. By 2025 the vehicles have to improve their efficiency by 15% (compared to 2019), by 2030 even by 30 percent. This affects not only communal vehicles but also trucks for freight transport.

One of the main topics of Quantron AG is Hydrogen

Since its establishment the Quantron AG is working on hydrogen powered trucks. The new Energon is a 44-ton truck with fuel cells for freight transport than can be fully integrated into the logistics process and has a range of up to 700 km. By the support of a 110 kWh LFP battery the installed 130 kW fuel cell runs the 340 kW motor, which is equipped with a two-speed gearbox.

Quantron AG is constantly working on more vehicles and models in order to provide a wide range of fuel cell solutions for companies and communes, soon. As usual Quantron provides their customers with full support regarding this drive technology to ensure that switching to hydrogen can be realised without obstructions.

Advantages of the fuel cell

A hydrogen powered vehicle is a electric vehicle that gets its power from the chemical reaction of hydrogen and oxygen happening in the so-called fuel cell. The electricity generated will either be used to run the motor or to buffer the battery on board. Due to the high system efficiency of fuel cells, hydrogen trucks have the same performance characteristics as usual diesel trucks.

But there is one decisive advantage: local zero emissions of carbon dioxide, nitrogen oxides and particulate matter. This is because the only thing produced during the electrochemical reaction in the fuel cell is water vapor, which will be emitted into the environment while driving. There are general advantages of a electrical vehicle in addition. The costs for tax, toll, maintenance and operating costs are much lower than the costs for a conventional diesel powered truck

About Quantron AG

Quantron AG represents the sectors of e-mobility, e-engineering, e-battery. In addition to the range of new electrified commercial vehicles and buses, it offers its customers the electrification of their used and existing vehicles, which will then run quietly and emission-free in the future. Quantron also has fuel cells for commercial vehicles in its portfolio, which are also being steadily expanded in this area. From the design of the appropriate drive concept, the infrastructure, financing, rental and leasing concepts, to driver training, end users benefit from e-mobility in passenger, transport and freight traffic, as well as from a network of 700 service partners and the comprehensive knowledge of qualified experts in the fields of power electronics and battery technology – among others through cooperation with CATL, the world's largest Chinese battery manufacturer. Quantron AG was founded in 2019 with the vision of paving the way for e-mobility in the commercial vehicle business. With the Haller Group, Quantron looks back on around 140 years of commercial vehicle experience and researches its e-vehicles and zero-emission drive technologies every day to make them even more efficient. For more information, visit www.quantron.net