

IAA Transportation: New fuel cell truck FEScell 180/280/120

Zwickau, September 16, 2024 – FES GmbH Fahrzeug-Entwicklung Sachsen and FRAMO GmbH present at IAA Transportation Hall 13 Stand C44 its hydrogen powered fuel cell truck FEScell 180/280/120.

The vehicle is customizable for a permissible total mass of 12 to 26t and thanks to its powerful powertrain it can also be used for trailer operation. It is a product ready for small series production, which can be ordered from now on to be delivered in 2025. Due to the payload body-independent tank system, box, platform, swap-body, tank and special vehicles can be configured.

It uses an electric FRAMO powertrain with 280 kW continuous power and 308 kW peak power. The 120 kW fuel cell system is made by Toyota Tsusho Nexty Electronics and as of 2025 it will be delivered with even 170 kW continuous power. The truck can be refilled at any common passenger vehicle hydrogen refueling station with 700 bar.

Christian Schwamberger, CEO of FES GmbH Fahrzeug-Entwicklung Sachsen, comments:

„The new FEScell 180/280/120 is an important step towards an emission-free goods transport. We are thrilled to present this innovative vehicle at the IAA Transportation to the public and to significantly contribute to the energy transition in the mobility industry. As a long-standing development partner and vehicle manufacturer we are able to actively shape the technological change. We are especially proud that we could implement this innovative project completely out of our own funds without state support. For a successful mobility change, an homogenous mix of alternative drive types is essential. In our opinion, hydrogen is a significant part of it and a real alternative to the combustion engine and the battery on the long-distance, particularly for goods transport.

Since its foundation in 1992, FES GmbH has established itself as one of the leading development partners in the automobile industry. With around 850 employees the company offers a wide range of solutions in the complete vehicle development for national and international automobile manufacturers, suppliers as well as for the railroad and aviation industry.

Back in 2016, in addition to providing development services, FES GmbH has started to develop and manufacture its own products which target the energy transition in the mobility sector. These products include battery-powered as well as fuel cell powered vehicles. A remarkable example is the FEScell HL24/7/210, which is the world's smallest fuel cell system destined for autonomously driving intralogistics vehicles, already operating in series production since 2021.

The fuel cell truck will be presented at the joint stand of the Landesentwicklungsgesellschaft Thüringen in Hall 13 Stand C44. Interested persons obtain further information about the fuel cell truck as well as about other projects under <https://www.fes-aes.de/unternehmen/brennstoffzellen-lkw/> or via e-mail marketing@fes-aes.de.