

FACTSHEET – ENGINIUS

IAA TRANSPORTATION

19.09.2022, Hanover

Note: The information shared here about the ENGINIUS brand and its products represents a momentary view. In particular, data and figures are subject to change.

Status: September 2022

Brief description

ENGINIUS is a subsidiary of the FAUN Group. It manufactures commercial and special vehicles with alternative drives and has set itself the goal of climate-neutral load transport. The company offers the products BLUEPOWER and from 2024 CITYPOWER (trucks in distribution traffic). ENGINIUS is Europe's first vehicle manufacturer with an EU type approval for electrically powered trucks with hydrogen fuel cell system (FCEV).

The company currently employs 80 people in Bremen and plans to employ 900 people in its alternative propulsion division by 2027. ENGINIUS is involved in regional and European hydrogen projects and clusters.

Key figures / data

Brand launch May 2022 a part of the FAUN Group

Operating site: Bremen

ENGINIUS products



BLUEPOWER

An emission-free truck with different wheelbases for use in waste disposal as well as in inner-city goods and delivery transport.

Since 2021, 25 refuse trucks have been in use

Applications: Dry and refrigerated box bodies. Beverage bodies, roll-off tippers / skip loaders Flatbed & crane (construction material transport), swap bodies, refuse collection vehicle, sweeper, tractor unit

Production volume: 1,000 per year (until 2027)

Brief description BLUEPOWER

- **Total weight:** 19 t / 27 t
- **Drive type:** 4 × 2 / 6 × 2/4
- **Fuel cell:** up to 3 FC á 30 kW
- **H2 tank capacity:** 16.4 kg (700 bar, SAE 2601 - 350 bar compatible)



CITYPOWER

First presentation at the IAA TRANSPORTATION 2022.

16-ton truck with a payload of nine tons and can therefore be used flexibly for transporting goods and merchandise. With a range of up to 500 km (WLTP) with short refueling times, without sacrificing installation space and payload compared to a conventional commercial vehicle.

Prototype: From 2023

Areas of application: Inner-city goods distribution transport.

Applications: Box body / refrigerated vehicle / dump truck / flatbed / hook lift / roll-off tipper.

Production volume: 4,000 per year (until 2027)

Brief description CITYPOWER

- **Total weight:** 16 t
- **Drive type:** 4 × 2
- **Fuel cell:** 1 FC á 90 kW
- **- H2 tank capacity:** max. 32 kg H2 (700 bar, SAE 2601 - 350 bar compatible)

- **Range:** 300 km WLTP depending on usage
- **Battery:** 85 kWh (end of life)
- **Engine:** 240 kW
- **Continuous power:** 1,600 Nm

- **Range:** ~500 km WLTP
- **Battery:** 95 kWh (end of life)
- **Engine:** 200 kW
- **Torque:** 1.400 Nm

Based on the Econic chassis from Daimler Trucks

Also available as battery-powered model

Based on the Atego chassis from Daimler Trucks



FACTSHEET – FAUN GROUP

Brief description

The company FAUN was founded in 1845 and has been developing and producing bodies for waste collection vehicles as well as sweepers and special vehicles for several decades. Due to the challenges regarding climate and environmental protection, the company has been involved in the production of alternative drive systems for municipal vehicles for 16 years.

The first steps were taken with the DUALPOWER refuse collection vehicles in 2006 and FUELCELL in 2010.

Under the new brand ENGINIUS, FAUN produces hydrogen and battery-powered utility trucks. In addition to BLUEPOWER (carrier vehicle is an Econic chassis from Daimler Trucks) for municipal applications, the company will in future also offer the CITYPOWER (carrier vehicle is an Atego chassis from Daimler Trucks), among other things for distribution transport. A prototype was presented at the IAA. The first CITYPOWERs are scheduled to go into field testing from the end of 2023.

The most important key figures about FAUN

- more than 2,000 employees worldwide
- one of the leading suppliers of refuse collection vehicles & sweepers in Europe
- twelve plants in seven countries
- Headquarters: Osterholz-Scharmbeck, Lower Saxony, Germany
- 2021: 500 million euros turnover
- FAUN is part of KIRCHHOFF Ecotec, the environmental division of the globally active KIRCHHOFF Group. In 2021, the KIRCHHOFF group of companies generated sales of 2.2 billion euros with 12,200 employees in the four business divisions Automotive, Tools, Vehicle Conversion and Municipal Technology. The Group has 56 plants in 22 countries on five continents.

Voices from the H2 value chain

"We are very pleased about the ambitious plans of ENGINIOUS to bring various hydrogen-powered trucks to the market in the short term. Shell plans to offer a pay-per-use concept as part of a mobility platform for market activation and, subject to funding and a final investment decision, to put up to 50 hydrogen filling stations for trucks into operation in Europe by 2025. In order to be able to offer customers a holistic refueling concept, we rely on close cooperation with the automotive industry and appreciate the trustful collaboration with ENGINIOUS."

Andreas Janssen, Head of Hydrogen Mobility Europe - Shell

"H2 MOBILITY Germany is concentrating further hydrogen filling station network expansion on several highly frequented regions and transport corridors, thus assuming a leading role in the European Union's future mobility system. Against the backdrop of growing vehicle demand, new sites are being developed together with major customers, public authorities and fleet operators. This guarantees basic demand at the individual stations and is an important step towards a profitable, self-sufficient hydrogen filling station network."

Nicolas Iwan, CEO H2 Mobility

"A secure and large-scale supply of green hydrogen will significantly support Germany's and Europe's ambitious climate protection targets. The first applications in the transport sector are already being supplied via decentralized solutions. With the current project pipeline, significant cost reductions for use in the industrial and transport sectors can be achieved through large-scale storage and pipeline connections. With Clean Hydrogen Coastline, such an approach is to be established in the Northwest for the first time by the end of 2026."

Dr. Geert Tjarks, Head of Business Area Development - EWE