

## FACTSHEET – ENGINIUS

### IAA Press Workshop

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**Note:** The information shared here about the ENGINIUS brand and its products represents a snapshot. In particular, data and figures are subject to change. Status of the document: June 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 initially offers the products BLUEPOWER (municipal vehicles) and CITYPOWER (vehicles for inner-city distribution traffic).

Currently, 80 employees work in Bremen and by 2027, 900 people are to be employed in the alternative drive division. ENGINIUS is involved in regional and European hydrogen projects and clusters.

#### The most important key figures / data

- Brand launch May 2022 as part of the FAUN Group
- Operating site: Bremen
- Company headquarters: Iserlohn

#### THE ENGINIUS PRODUCTS



##### BLUEPOWER

stands for **hydrogen-powered vehicles in municipal applications.**



##### CITYPOWER

stands for **hydrogen and battery-powered vehicles for goods and freight distribution.**

Based on the Econic chassis from Daimler Trucks, ENGINIUS offers the three-axle BLUEPOWER as a chassis for refuse collection or as a two-axle for sweeper bodies.

21 refuse collection vehicles have been in operation since 2021

**Areas of application:** Refuse collection vehicle / sweeper / hook lift / roll-off tipper / box body / refrigerated vehicle.

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

#### Brief description BLUEPOWER

**Payload:** 17 tonnes

**Range:** depending on the area 250 km WLTP

**Fuel cell output:** 90kW (30kW x 3 EA)

**Tank size:** max. 16 kg

**Refuelling time (H2):** 15 minutes @700 bar

**Battery capacity:** 85 kWh (usable energy after 8 years End Of Life)

**Storage type:** Pressure tank 700 bar

**Max. E-motor power:** 240 kW

**Max. torque Torque:** 4,050 Nm

**CO2 emission values:** 0 g/k

The carrier vehicle is a two-axle chassis Atego from Daimler Trucks.

**Prototype:** From 2023

**Areas of application:** Inner-city goods distribution traffic

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

**Applications:** Box body / Refrigerated vehicle / Kipper / Flatbed / Hook lift / Roll-off tipper

#### Brief description CITYPOWER

#### FCEV max. H2

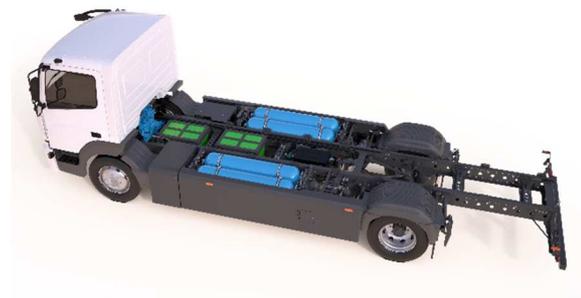
**Payload:** 9 tonnes

**Range H2:** ~ 500 km WLTP

**Tank size:** max. 32 kg

**Refuelling:** ~ 0.5 h @700 bar

**Battery:** ~ 85 kWh (usable energy after 8 years End Of Life)



## FACTSHEET – FAUN GROUP

### Brief description

FAUN was founded in 1845 and has been developing and producing bodies for refuse collection vehicles as well as sweepers and special trucks for several decades. Due to the challenges with regard to climate and environmental protection, the company has been involved in the production of alternative drive systems for municipal vehicles for 15 years.

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

Under the new ENGINIUS brand, FAUN is now putting hydrogen and battery-powered trucks on the road. The company initially offers the products BLUEPOWER (carrier vehicle is an Econic chassis from Daimler Trucks) for municipal applications and CITYPOWER (carrier vehicle is an Atego chassis from Daimler Trucks), among others, also for distribution transport.

### Key figures / data

- 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 a turnover 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 ENGINIUS to bring various hydrogen-powered trucks to the market in the short term. Shell plans to offer a pay-per-use concept for market activation within the framework of a mobility platform and, subject to funding and 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 refuelling concept, we rely on close cooperation with the automotive industry and appreciate the trusting collaboration with ENGINIUS."

**Andreas Janssen, Head of Hydrogen Mobility Europe - Shell**

"H2 MOBILITY Germany focuses the further hydrogen filling station network expansion on several highly frequented regions and transport corridors and thus assumes a leading role in the future mobility system of the European Union. Against the background of growing vehicle demand, new locations are being developed together with major customers, authorities and fleet operators. This guarantees the 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 goals. Already today, the first applications in the transport sector are being supplied via decentralised 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**