

What are hydrogen fuel cell trucks?

Daimler presents 'GenH2', a Mercedes-Benz fuel-cell truck concept. These hydrogen fuel cell trucks have huge potential for protecting the environment and supporting a strong economy. Daimler has been funding hydrogen as a transport fuel for over ten years, with the concept truck presented today being one example.

Why does Daimler Trucks use liquid hydrogen?

Daimler Trucks prefers to use liquid hydrogen (LH2) because in this state, the energy carrier has a far higher energy density in relation to volume than gaseous hydrogen. As a result, the tanks of a fuel-cell truck using liquid hydrogen are much smaller and, due to the lower pressure, significantly lighter.

What is the vehicle class of the Mercedes-Benz eActros LongHaul?

The Mercedes-Benz eActros LongHaul battery-powered long-haul truck will be in the same vehicle class as the GenH2 truck. Its features will be largely identical to those of the series-produced GenH2 Truck or a conventional diesel truck.

What is the main use of the Mercedes-Benz eEconic truck?

The eEconic will mainly be used as a waste-collection vehicle in urban waste-management applications. The first practical operation of the Mercedes-Benz eEconic low-floor truck, which is based on the eActros and was announced by Daimler Trucks this year, is planned for 2021 and series production is scheduled to start in 2022.

What are the benefits of using liquid hydrogen in fuel-cell trucks?

Using liquid hydrogen in fuel-cell trucks gives the trucks a larger cargo space and higher payload weight because the tanks are much smaller and significantly lighter due to the lower pressure.

What is the potential of hydrogen as a transport fuel?

There is huge potential inherent in hydrogen for the protection of our environment and a strong economy. That is why we have been funding hydrogen as a transport fuel for over ten years - one current example is the concept truck presented today. These include hydrogen fuel cell trucks.

Mercedes-Benz GenH2 Truck, a fuel-cell truck with a range of up to 1,000 kilometers and more for flexible and d ... It is to be recharged in series-production vehicles with ...

Rescue cards for Passenger cars Mercedes-Benz o AMG o McLaren o Maybach o smart Daimler AG, GSP/OI, HPC R 822, D-70546 Stuttgart ... specific accessibility options and ...

Lohum is Mercedes-Benz Energy's first partner in Asia. Mercedes-Benz revealed last that it would build a wind farm at its test track in Papenburg, Germany. The auto-maker held that the output of the wind farm will be more ...

With Ambition 2039, Mercedes-Benz is pursuing the goal of a fully connected and net carbon-neutral [1] Net carbon-neutral means that carbon emissions that are not avoided or reduced at Mercedes-Benz are ...

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During these first customer trials the GenH2 Trucks remain under the direct supervision and responsibility of Mercedes-Benz Trucks. The vehicles will be refueled at designated public liquid hydrogen filling stations (sLH2) in ...

Worldwide awareness of more ecologically friendly resources has increased as a result of recent environmental degradation, poor air quality, and the rapid depletion of fossil ...

The Mercedes-Benz Energy Storage System (MBESS) can be customised as an in-house solution or in a containerised format to meet various site requirements. ... we are one of ...

Lade- und Entladeleistungen von bis zu 4 C sind mit der Mercedes-Benz Batterie zu realisieren. Dabei ist sie eine skalierbare Komponente mit integrierter K&#252;hlung f&#252;r ...

Daimler Buses is expanding the range of applications for the Mercedes-Benz eCitaro fuel cell. In future, an electric bus equipped with a fuel cell as a range extender can be ...

The Swiss energy group Alpiq and Mercedes-Benz Energy have concluded a supply agreement for the stationary use of batteries from electric vehicles. The storage unit ...

Fuel cell trucks deployed in real-life operations: start of initial customer trials with Mercedes-Benz GenH2 Trucks As one of the world's largest commercial vehicle manufacturers, Daimler Truck is driving sustainable ...

Part of this bundling of activities is the allocation of the operations of "Mercedes-Benz Fuel Cell GmbH", which has longstanding experience in the development of fuel cell and hydrogen ...

More flexibility, lower costs: energy storage solutions from vehicle batteries. Mercedes-Benz Energy GmbH (MBE), a subsidiary of Mercedes-Benz AG, develops pioneering energy storage systems, using innovative ...

Exklusive Einblicke und individuelle Angebote: Erleben Sie mit Mercedes-Benz das Maximum aus digitaler Live-PR. Exclusive insights and individual offers: Experience the ...

The global battery production network within the Mercedes-Benz Cars production network has put the third

production facility into operation: A factory for plug-in hybrid batteries has been opened in the Bangkok region in ...

On its long routes through the city, it uses the latest generation of high-performance batteries: NMC 3. Their high energy density pays off: NMC-3 batteries have around 50 percent ...

Mercedes Benz, a German automobile company in the luxury segment which began with traditional combustion cars like sports cars and SUVs, is making the transition towards sustainable mobility and ...

In 2020, Factory 56 was built at the Sindelfingen site, setting new standards in sustainability and efficiency. The plant is carbon-neutral on a balance sheet basis. A ...

Daimler Trucks presents technology strategy for electrification - world premiere of Mercedes-Benz fuel-cell concept truck. Mercedes-Benz GenH2 Truck, a fuel-cell truck with a range of ...

Mercedes-Benz's own vehicle production locations achieved net carbon-neutrality [1] Net carbon-neutral means that carbon emissions that are not avoided or reduced at Mercedes-Benz are compensated for by certified ...

The central depot was taken into operation 20 years ago, on July 16th, 1990. Since then, Daimler AG's GLC, located on a peninsula in the Altrhein River with an area of 1.8 million square meters, has been serving 1,400 ...

The company plans to have a vehicle portfolio comprising series-produced vehicles with battery-powered drive systems in the main sales regions Europe, the United States and ...

Mercedes-Benz has unveiled the eCitaro REX, a hydrogen-powered fuel cell bus that combines the benefits of battery-electric and fuel cell technology. As an extension of the popular eCitaro battery-powered bus, the ...

Mercedes-Benz Powertrain and efficiency. 04 Mercedes-Benz engine systems 06 Nomenclature engines 10 Engine portfolio 11 Medium-duty engine systems 12 Heavy-duty ...

Customers of Mercedes-Benz vehicles must use only qualified commercial brand fuels that meet Mercedes-Benz approved fuel standards. Biodiesel fuel from non-name brand ...

The new Mercedes-Benz A-Class plug-in hybrid A 250 e (combined fuel consumption 1.6 - 1.4 l/100 km, combined CO<sub>2</sub> emissions 36 - 32 g/km, combined power ...

Further information on official fuel consumption figures, energy consumption and the official specific CO<sub>2</sub> emissions of new passenger cars can be found in the EU guide "Information on the fuel consumption, CO<sub>2</sub>

emissions ...

With Mercedes-Benz Energy Storage Home, you can charge your car with self-produced clean energy at any time of the day or night. Home storage not only reduces your ...

The challenges associated with HFC-powered vehicles include the high production cost of hydrogen, insufficient refuelling infrastructure, lack of suitable control strategies for ...

Reducing greenhouse gas emissions by electrifying propulsion systems of vehicles is a key to global sustainable development [1].As one of the most popular public transportation ...

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