

Press Release



FEV Vehicle Concept SVEN Represents the Future of Mobility at The Deutsches Museum, Munich

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Aachen, Germany, October 2021 – SVEN stands for Shared Vehicle Electric Native: an electric vehicle concept optimized for car sharing, developed by engineering provider FEV as a prototype for urban transportation of tomorrow. This concept convinced the curators of world-famous “The Deutsches Museum” in Munich, who have selected SVEN as the central exhibit of the "Future of Mobility" exhibition all around urban transport. The FEV vehicle can be seen in Hall 1 of the Transport Center (Verkehrszentrum), which will also be open to visitors during the Long Night of Museums on 16 October 2021.

"SVEN has everything it takes what we believe will play an important role in urban transport in the future," said Dr. Lukas Breitwieser, curator of The Deutsches Museum in Munich. "Its electric drive will foreseeably become the new standard, and it also offers a lot of space combined with a very compact design, which is an enormous advantage in cramped city centers. We were particularly impressed by the fact that the FEV concept opens up numerous possibilities for individualization within the carsharing approach. This makes SVEN the perfect prototype of a new urban mobility, in which means of transportation are shared without sacrificing the personal touch."

Compact, emission-free, safe, and cost-effective

2.5 m (8.2 ft) in length and 1.75 m (5.7 ft) in width – that's all the space SVEN needs to get up to three passengers from A to B as a variable 2+1 seater. As an electric car, SVEN is emission-free;

solar cells in the roof also allow energy to be gained. With camera and radar sensors, the vehicle is prepared for automated driving functions. Thanks to the innovative and flexible "FlexBody" concept, a high level of crash safety is achieved. Additionally, SVEN scores particularly well in terms of user comfort: if a lot of storage space is needed, the passenger seats can be folded. Future users can create an individual profile via a dedicated app and easily select their preferred interior temperature, seat position or audio playlist. In addition, SVEN's IT architecture allows for staggered usage models, depending on the requirements of operators and consumers.

Made for urban traffic 4.0

This makes SVEN the ideal centerpiece for the "Future of Mobility" exhibition at the renowned Deutsches Museum in Munich. In the future, visitors will learn here, among other things, what type of mobility user they are or how their personal carbon footprint can be calculated. The exhibition shows the environmental problems posed by the transport sector and what – like FEV's SVEN – can help to address them. "We are proud to be part of this forward-looking exhibition with regards to the future of mobility," said Professor Stefan Pischinger, President and CEO of FEV Group. "With SVEN, we have designed a comprehensive car sharing concept for the near future – CO₂-neutral, connected and fully integrated. We are therefore particularly pleased that the transport experts at The Deutsches Museum have selected SVEN and that we can present FEV as a leading international engineering service provider in this prestigious environment."

All important information about SVEN can be found here:

<https://sven.fev.com>

<https://t1p.de/zc34>



Emission-free, connected, and customizable: SVEN redefines car sharing.
Source: FEV Group



Despite its compact design, SVEN impresses with its spaciousness.
Source: FEV Group

About FEV

FEV is a leading independent international service provider of vehicle and powertrain development for hardware and software. The range of competencies includes the development and testing of innovative solutions up to series production and all related consulting services. The range of services for vehicle development includes the design of body and chassis, including the fine tuning of overall vehicle attributes such as driving behavior and NVH. FEV also develops innovative lighting systems and solutions for automated driving and connectivity. The electrification activities of powertrains cover powerful battery systems, e-machines and inverters. Additionally, FEV develops highly efficient gasoline and diesel engines, transmissions, EDUs as well as fuel cell systems and facilitates their integration into vehicles suitable for homologation. Alternative fuels are a further area of development.

The service portfolio is completed by tailor-made test benches and measurement technology, as well as software solutions that allow efficient transfer of the essential development steps of the above-mentioned developments, from the road to the test bench or simulation.

The FEV Group currently employs 6,300 highly qualified specialists in customer-oriented development centers at more than 40 locations on five continents.