

# French Southern Territories freudenberg battery power systems

Who is Freudenberg E-Power Systems?

With its expertise in battery and fuel cell technology, the company offers customized and, in particular, combined solutions for sustainable and cost-efficient e-mobility. Freudenberg e-Power Systems supports its customers from application development to production, commissioning and service with some 830 employees.

Why should you choose Freudenberg E-Power Systems?

As one of the world's leading providers of sustainable power for heavy-duty applications, Freudenberg e-Power Systems has the battery and fuel cell solution that is right for you. The unique flexible and modular design of our battery systems makes them suitable for a wide range of applications, backed by an industry-leading warranty.

Are Freudenberg batteries and fuel cells putting rail travel on the right track?

Freudenberg's batteries and fuel cells, or even a combination of the two, are also putting rail travel on the right track - particularly when it comes to non-electrified branch lines and shunting traffic. Freudenberg experts consider hybrid solutions, i.e. a combination of fuel cell and battery, ideal for heavy-duty and commercial vehicles.

What are Freudenberg batteries used for?

Graphic ferry: The Freudenberg batteries are designed to enable emission-free maneuvering in the port as well as allowing the 230-meter ship to dock and depart. Photo truck: A first test vehicle with the new fuel cell technology is expected to be rolling across Bavarian roads in mid-2021.

How many high-performance batteries are in a Freudenberg ferry?

The roughly 1,200 high-performance batteries in each of the ferries will be equally divided between a total of four battery rooms and networked with each other. XALT Energy, a Freudenberg subsidiary company since December 2018 and headquartered in Midland, Michigan, USA, will be supplying the batteries.

What is Freudenberg's e-mobility strategy?

Graphic truck: The goal is to test the fuel cell systems for performance, durability and range under continuous commercial driving conditions. Freudenberg pursued its e-mobility strategy with innovative technologies and new partnerships in 2020, even in a tough market environment.

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We are the experts for high-performance heavy-duty battery systems and power cells, with more than 60 million miles already traveled in truck & bus applications. With a strong focus on testing, research, and development, we are committed to continuously designing more optimized, more efficient, and more powerful lithium-ion energy solutions.

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Freudenberg e-Power Systems battery technology focuses on the development, production, assembly, and field service of complete battery systems for applications in the medium to heavy-duty truck, bus, marine, mining and specialty applications. Thanks to our vertical integration, all energy and power system developments are carried out in-house.

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Ascend Elements, a U.S.-based manufacturer of battery materials, will engineer sustainable cathode active material (CAM) for Freudenberg e-Power Systems. At their XALT Energy battery plant in Midland, Michigan, Freudenberg manufactures battery cells, packs, and systems for applications with high-performance requirements for lifetime, charge ...

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We are the industry leaders in power cells, drawing on more than 15 years of in-house design and manufacturing experience in high-performance lithium-ion cells for the heavy-duty market. Our power cells provide unparalleled performance in charge rate, power, energy density, cycle life, and safety, all of which are integral for the ...



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