

Proton Motor Fuel Cell GmbH Stationary Fuel Cell Solutions

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Proton Motor Fuel Cell GmbH provides solutions for clean energy supply and clean mobility.

German manufacturer of fuel cell stacks and fuel cell systems for maritime, stationary and mobile applications.





Proton Motor Fuel Cell GmbH, Headquarters Puchheim, production plant, labs & offices on ca. 6000 m².

FC development since 1994 (Magnet Motor), PM founded 1998 as independent company, today >100 employees

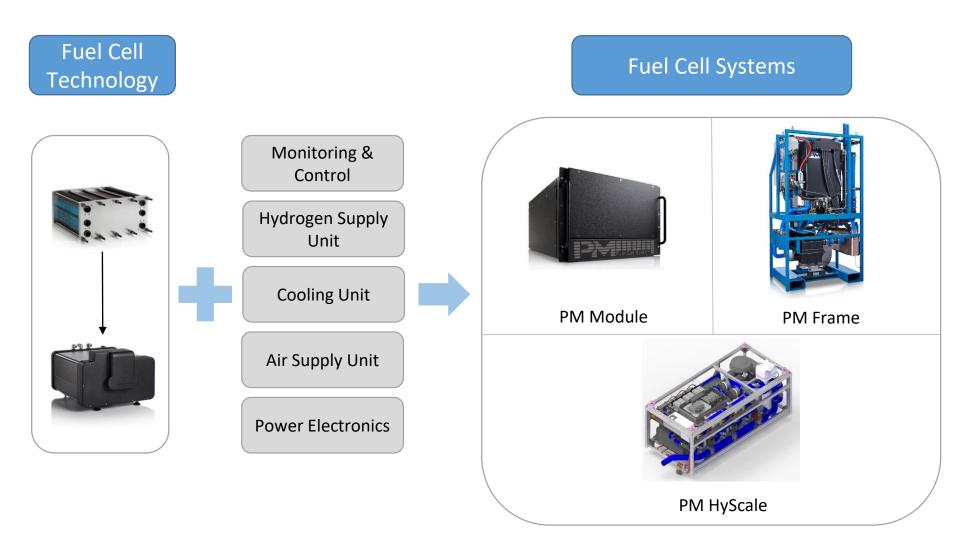
Proton Motor is a subsidiary of:



(Holding, listed at LSE since 2006)

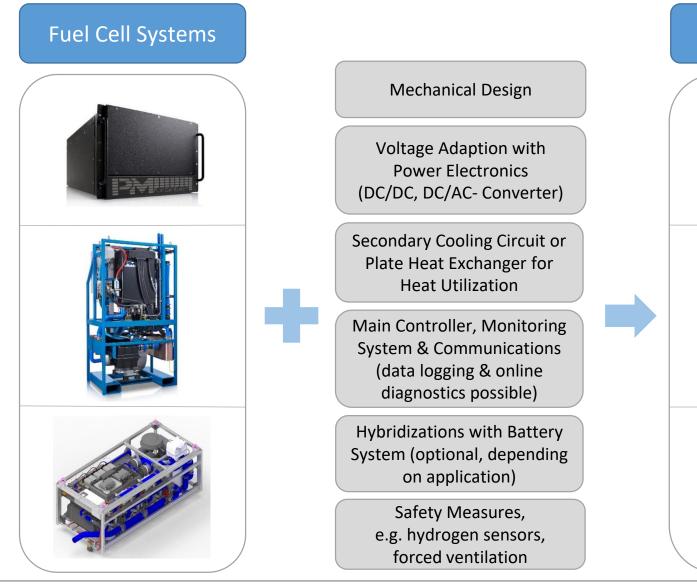
Solutions for Stationary Applications -Know How and Scope of supply (1/2)





Solutions for Stationary Applications -Know How and Scope of supply (2/2)





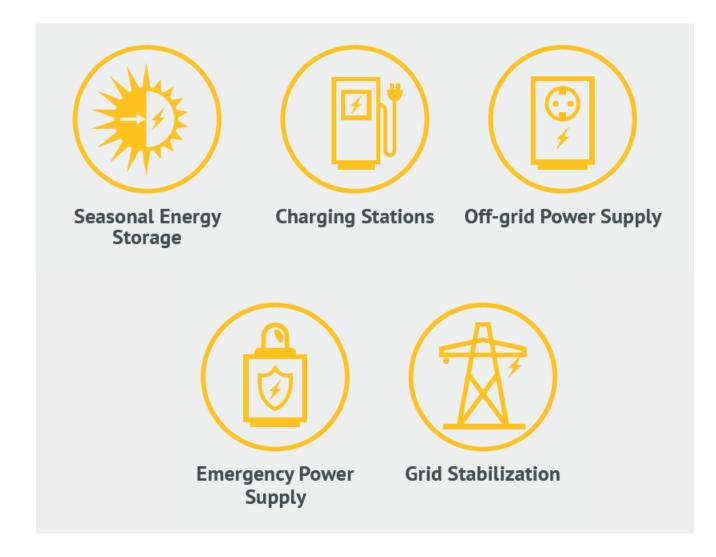
Turnkey Solutions on-grid / off-grid





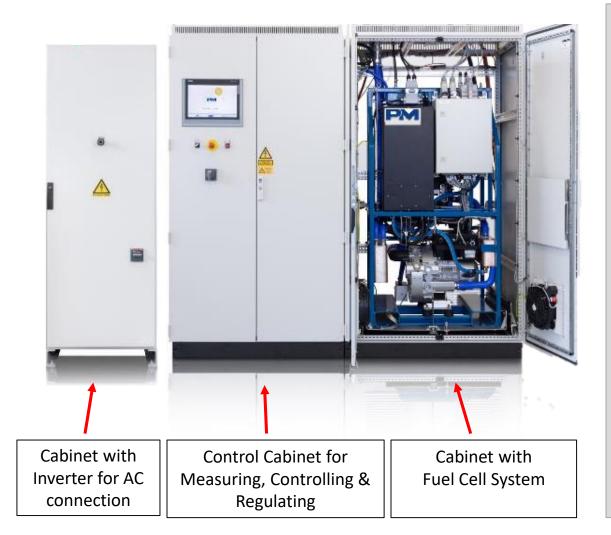
Stationary Application Areas





References: Seasonal Energy Storage





Turnkey solution with PM Frame S36

Application:

- Installed in a residential building complex
- Local power supply by regenerating locally produced and stored hydrogen
- Use of thermal waste heat
- Mains-synchronous operation

Customer: Vonovia SE

Location: Bochum, Germany

References: Energy Storage & Grid Stabilisation







Turnkey solution with 5x PM Frame S36

Application:

- Part of industrial scaled hydrogen energy storage system
- Hydrogen production from excess wind energy
- Outdoor Installation
- Use of thermal waste heat possible
- Mains-synchronous operation

Customer: APEX Energy Teterow GmbH

Location: Rostock-Laage, Germany

References: Off-grid power supply





PM Module S8 for Knappenhaus

Application:

- PM Module integrated into hydrogen energy storage system for grid independent mountain cottage
- Renewable energy source is a stream

Customer: GKN Powder Metallurgy

Location: Kasern, South Tirol, Italy

References: Emergency Power Supply







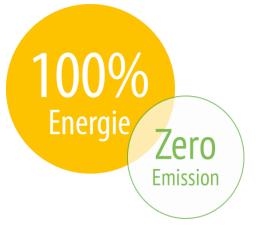
Turnkey solution with 3x PM Module S8

Application:

- Emergency power supply of a railway signal box
- Bridging time 48h
- Output voltage: 3 x 400VAC; 50Hz
- Output power: 25 kVA

Customer: DB Bahnbaugruppe

Location: Sömmerda, Thuringia, Germany





Thank you for your attention!



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