

MEDIA RELEASE

Hydrogen fuel cell premium manufacturer Proton Motor Fuel Cell GmbH assesses market potential in the stationary segment as enormous

| Hydrogen fuel cell technology is an ideal element for the success of the energy transition and transformation of Germany as an industrial location. |

| The preferential treatment of large-scale industries by the "National Hydrogen Strategy" is partly seen by H2 key player Proton Motor as the wrong focus. |

| Stationary, decentralised and local hydrogen fuel cell applications to reduce 35 percent of greenhouse gas emissions in the building sector. |

| New Position Paper by the hydrogen expert from the Munich metropolitan region appeals to politicians to examine the proportionality of public subsidies. |

Puchheim and Fuerstenfeldbruck near Munich, November 21, 2023 – The production and use of hydrogen and related key technologies such as hydrogen fuel cells in Germany is still in its infancy. The German Minister of Economic Affairs and Energy, Robert Habeck, is thinking big on the hydrogen issue in the context of the "National Hydrogen Strategy" (NWS): Around 10,000 kilometres of pipeline are to be planned in Germany for a nationwide core network. The aim is to reduce dependence on imports and to stabilise energy sovereignty and, at the same time, economic sovereignty. According to a recent study, around EUR 40 billion will have to be raised annually by the German state for the green conversion to achieve climate change. In principle, Europe's leading developer and manufacturer of emission-free hydrogen fuel cells, "Proton Motor Fuel Cell GmbH" (<https://www.proton-motor.de>), welcomes and supports the NWS and its approaches, especially with regard to the various fields of action.

According to Proton Motor's assessment, the measures sometimes lead to incorrect focusing. In the NWS, large-scale industries (steel, chemicals, mobility) are given clear preference. These industries, however, need an end-to-end supply of hydrogen to drive their transformation. The fact, in turn, requires a functioning national pipeline network, the expansion of which will take at least a good ten years. Especially since the topic of hydrogen to be imported makes it clear that the infrastructure of the exporting countries has not yet been designed with regard to renewable production, distribution and transport.

Hydrogen stores large volumes of renewable energy emission-free

The window of opportunity for the completion of the hydrogen pipeline, which according to the German government will take place by 2032, should therefore not be wasted under any circumstances. Hydrogen fuel cell technology is considered one of the most important transformation elements for Europe's future climate-friendly energy transition. Hydrogen is the only way to store large volumes of renewable energy without loss or emissions.

The immediate, politically motivated task must be to strengthen the stationary and decentralised energy storage and supply market. Above all, tailor-made subsidies are needed to ensure energy storage and off-grid supply in the form of hydrogen hubs and thus achieve short-term target achievement in the context of sustainable CO₂-neutral conversion.

Combined heat and power, emergency power systems and off-grid energy supply

H₂ key player Proton Motor from the Munich metropolitan region evaluates the stationary market potential, which includes combined heat and power generation for buildings, emergency power systems (such as emergency power systems) and off-grid energy supply, extremely suitable for short- to medium-term investments. The building sector alone is responsible for almost 35 percent of all greenhouse gas emissions in the European Union. For this reason, a new Position Paper appeals to politicians to examine the proportionality of current public funding and to make necessary adjustments in the area of stationary and decentralised funding.

The 3-page Position Paper_11-07-2023 "Market potential of hydrogen fuel cell applications for the energy transition and transformation of Germany as an industrial location" of Proton Motor Fuel Cell is available for download under "Media & News" on the website.

About Proton Motor Fuel Cell GmbH (<https://www.proton-motor.de>):

Since 1998, Proton Motor Fuel Cell GmbH has been Europe's leading expert in climate-neutral energy generation with CLEANTECH innovations and a specialist in this field for emission-free hydrogen fuel cells developed and manufactured in-house. The production focus is on stationary applications such as independent power supply solutions for residential projects and critical infrastructures. In addition, the CO₂-balanced customised or standard and hybrid systems for B-to-B-markets are used for environmentally friendly drive concepts in the maritime, heavy duty and rail segments.

The internationally active technology key player with two company sites near Munich, which currently employs more than 120 people under the CEO management of Dr Faiz Nahab, is a wholly owned operating subsidiary of "Proton Motor Power Systems plc", based in England. Since October 2006, the parent company's "Green Energy" share has been listed on the London Stock Exchange with simultaneous trading on the Frankfurt/M. Stock Exchange (ticker symbol: "PPS" / WKN: A3DAJ9 / ISIN: GB00BP83GZ24).

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