MEDIA RELEASE

Proton Motor fuel cell "PM Module S8" integrated into mobile energy trailer

| Innovative sandwich box solution has the potential to establish itself in civil protection. |

Puchheim near Munich, October 6, 2021 **– Proton Motor Fuel Cell GmbH congratulates its customer and partner, Euskirchen-based UMSTRO GmbH (www.umstro.de), on the successful realization of the new "energy trailer" called "MoSolFCA" (Mobile Solar FuelCell Aggregate). This system is a mobile power supply as an environmentally friendly variant of comparable generator sets. Thanks also to the client of the green "sandwich box trailer", which represents an intelligent combination of renewable energy sources: The Institute of Meteorology and Climate Research as the Garmisch-Partenkirchen location of KIT (Karlsruhe Institute of Technology, www.kit.edu). With regard to the power supply of measuring stations in productive field use – as is currently the part of the MOSES project (Modular Observation Solutions for Earth Systems) – the development of a CO2-free, transportable and self-sufficient energy supply system was necessary. During the approximately one-year design phase, UMSTRO integrated the "PM Module S8" fuel cell supplied by Proton Motor as a component with an output of 8.4 kW together with a 10 kWh battery storage system and the photovoltaic modules (approx. 3 kWp) in an individual hybrid solution. This ensures year-round operation for the institute for power supply with at least 2.5 kW continuous power.**

Uninterruptible power supply guaranteed

In the past four months, the unofficial commissioning of the innovative energy trailer has been tested on the outdoor exhibition grounds, so that all responsible people were happy about the public presentation end of September. In the context of this summer's flood in some German areas,

conventional diesel generators had to be switched off mainly because of their volume as well as odor and pollution for the environment. As a result, inhabitants of the affected regions were sometimes sporadically or were completely undersupplied with electricity. The UMSTRO energy trailer could offer an intelligent opportunity to improve civil protection, especially at the municipal level. This benefits not only responsible state government agencies, but municipalities with their fire brigades and departments of the Federal Agency for Technical Relief are guaranteed a green uninterruptible power supply specifically to support professional emergency work.

About Proton Motor Fuel Cell GmbH (www.proton-motor.de):

For more than 20 years, Proton Motor has been Germany`s expert in climate-neutral energy generation with cleantech innovations and in this field, it has specialised in emission-free hydrogen fuel cells developed and manufactured in-house. The corporate focus is on stationary applications such as emergency power for critical infrastructures and mobile solutions such as back-to-base applications. In addition, the customised or standard hybrid systems are used in the automotive, maritime and rail sectors. The new automated series production plant was put into operation in September 2019.

In addition to CO2-neutral fuel cell solutions, the internationally active technology market leader from Bavaria also offers battery-powered uninterruptible power supply (UPS) via its "SPower" product line. The company, which currently employs more than 100 people under the CEO management of Dr Faiz Nahab, is a wholly owned operating subsidiary of "Proton Motor Power Systems plc", based in Newcastle upon Tyne, England. Since October 2006, the parent company's "green energy" share has been listed on the London Stock Exchange with simultaneous trading in Frankfurt/Main (ticker symbol: "PPS" / WKN: A0LC22 / ISIN: GB00B140Y116).

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