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FRIEM selected by McPhy, pioneer of hydrogen technologies at the service of the energy transition, for the delivery of Power Supply Units for green hydrogen production in France and Italy.

FRIEM strengthens its commitment to the energy transition and confirms its effort to the green hydrogen value chain, by signing an agreement with McPhy for the supply of Power Supply Units (PSU) dedicated to the green hydrogen production. McPhy in fact, is a worldwide leader for hydrogen production and distribution equipment, contributing to the global development of low-carbon hydrogen as a solution for the energy transition.

The cooperation covers the supply of two PSUs (rated 2 and 4 MW) that will be installed in Paris region to produce hydrogen to fuel a fleet of taxis.

FRIEM will also deliver its green hydrogen rectifier systems to the Italian McPhy's test room, located in San Miniato, where the company produces the core of its electrolysers. FRIEM's PSUs will allow McPhy to test complete stacks to be used for large scale electrolysers.

"With these projects, FRIEM consolidates its position among the main suppliers of power conversion equipment for green hydrogen production. – declares Marco Gai, FRIEM's Hydrogen Business Development Manager – FRIEM in fact, supports the most relevant projects for the green hydrogen electrolytic production with its power supply units that pairs with the main electrolytic cells' technologies (alkaline, PEM and SOEC)."

"As an OEM of clean Hydrogen production, McPhy decided to build a strategic partnership with FRIEM for the Transformer & rectifiers units feeding the electrolysers of the McLyser 400 and McLyser 800 range" declares Joël Moutin-Luyat, category buyer - McPhy

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Deliveries are scheduled between Q3 2023 and Q1 2024, and FRIEM specialists will be also involved in the commissioning and start-up services of the units.

The project is another main milestone for FRIEM that has already backlog of +300 MW rectifier systems for green hydrogen production that will contribute to reduce the carbon footprint deriving from both industrial and transportation sector.

FRIEM S.p.A

FRIEM is an Italian technology manufacturer founded in 1950, which specialises in the design and production of electrical converters for special applications. As one of the top global players in the high-power rectifier industry, FRIEM has reached a turnover of over 35 million euros (out of which over 90% of the amount stems from abroad), 1.5 GW of production capacity, while employing over 100 people worldwide. FRIEM, being a European leader in the green hydrogen production by electrolysis for large power plants, supports the energy transition by assuming a central position in the value chain.

The group consists of the parent company FRIEM S.p.A., with its headquarters in Segrate (Milan); two subsidiaries based in the United States FRIEM America Ltd, FRIEM LATAM Eireli in Brazil; a commercial office in Indonesia; and DynAmp, an American producer of high-DC current measurement systems; and with the Italian TCE Consultore, that provides power electronics consultancy. In April 2022, Fondo Italiano d'Investimento has entered FRIEM's capital through FITEC, with a minority share to accelerates growth and investments.

McPhy

Specialized in hydrogen production and distribution equipment, McPhy is contributing to the global deployment of low-carbon hydrogen as a solution for energy transition. With its complete range of products dedicated to the industrial, mobility and energy sectors, McPhy offers its customers turnkey solutions adapted to their applications in industrial raw material supply, recharging of fuel cell electric vehicles or storage and recovery of electricity surplus based on renewable sources. As designer, manufacturer and integrator of hydrogen equipment since 2008, McPhy has three development, engineering and production centers in Europe (France, Italy, Germany). Its international subsidiaries provide broad commercial coverage for its innovative hydrogen solutions. McPhy is listed on Euronext Paris (compartment B, ISIN code: FR0011742329, MCPHY).

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