

When French Fuel Cell companies challenge the Japanese Market ...

Japan clearly shows its determination to become the Fuel Cell technology world leader, including hydrogen cars. Three French industries located in Rhone-Alpes, will be present at the Fuel Cells international exhibition in **Tokyo**. From **February 25 to 27**, **Ataway**, **McPhy** and **PaxiTech** will show their expertise to the Japanese manufacturers at the **Fuel Cell Expo**. From isolated sites energy supply to portable energy systems through the production and storage of hydrogen, **they offer turnkey solutions**. During three days, they will be **the ambassadors of the French hydrogen technology** in the land of the rising sun.



www.ataway.com

ATAWEY's system meets the challenges of energy supply (in terms of energy in reserve and/or power), **in worst conditions** (altitude and cold or heat and humidity), **while respecting the environment** (no noise or atmospheric nuisance). **It resolves the problem of intermittent production of renewable energies** from photovoltaic, wind or hydraulic sources, the only natural sources available on isolated sites.

By providing **long term and sustainable storage** with solid hydrogen, it limits all wastage and guarantees the energy supply whatever the weather during the year and changes in consumption. It also resolves the fuel supply issue by **producing its hydrogen on-site** with the excess of renewable energy.

Finally, it saves space and reduces costs for the user.

Thanks to this system, a site can achieve **total electrical autonomy over the year**, without over-sizing its renewable energy installation and **without fuel**.

McPhy Energy, a leading developer of hydrogen-based solutions, was founded at La Motte Fanjas (Drôme) in France in 2008. The company draws on its exclusive technique **for storing hydrogen in solid form** and its years of experience in producing hydrogen through water electrolysis to design and manufacture flexible storage and production equipment.

McPhy Energy pushes forward **the green hydrogen market** to fit with the upcoming markets of energy and mobility promoting carbon free technologies. Using its experience of the industrial market, with the supply of more than **3,000 alkaline electrolyzers around the world** (>7,000 Nm³/h in operation), McPhy Energy develops now, with a consolidated range of products going from small & medium (<500 kW) to large electrolyzers (multi MW solution), green and safe engineered solutions for the industry, mobility and power to gas markets.



www.mcphy.com



www.paxitech.com

PaxiTech is a European leading fuel cell component and system manufacturer. Specialized in **Membrane Electrode Assembly (MEAs)** conception and manufacturing, the company **provides customized solutions**. Based in Échirolles near Grenoble in the French Alps, PaxiTech develops **fuel cell solutions** for R&D centers, laboratories and industrials.

The powering and recharging of low power (**1 W - 500 W**) **portable and stationary appliances** is the main targeted market.

Their technology is very **flexible and can be easily integrated** to any kind of products to offer more autonomy. For **hybridization battery system** (bikes, lighting, ...), this fuel cell is a great **range extender solution**.

The very strong potential of the fuel cells developed by PaxiTech has led to the company being involved in the **Carmat artificial heart project**.



Ataway, McPhy and PaxiTech are members of French Fuel Cell associations

