



H₂ mobility: McPhy Energy North America and its SimpleFuel™ team members declared winner of the \$1 million H₂ Refuel H-Prize Competition by the DOE

SimpleFuel™, all-in-one, compact and innovative home-scale refueling appliance, can deliver 5 kg/day of hydrogen at 700 bar. This solution will broaden the hydrogen infrastructure options for fuel cell electric vehicles deployment.

Newton (Massachusetts), 24 January 2017 - McPhy Energy North America, the designer, manufacturer and integrator of hydrogen equipment for the energy and industrial sectors, is part of Team SimpleFuel™ which has been awarded the \$1 million H₂ Refuel H-Prize by the by the U.S. Department of Energy's (DOE).

Launched by the U.S. Department of Energy's (DOE) Fuel Cell Technologies Office (FCTO) and the Hydrogen Education Foundation (HEF) in October 2014, the H₂ Refuel H-Prize Competition challenged America's innovators to develop on-site,

affordable small-scale hydrogen refueling system which can be used in homes, community centers, small businesses, or similar locations. Such solutions will aim to be an integral part of the continued deployment of hydrogen infrastructure across the U.S. to contribute to the widespread adoption of fuel cell electric vehicles.



Team SimpleFuel™ is a collaboration of McPhy Energy N.A. (McPhy Energy Group), IVYS Energy Solutions and PDC Machines. The SimpleFuel™ home-scale refueling appliance is a fully integrated hydrogen generation, compression, storage and dispensing

system capable of delivering up to 5 kg/day of hydrogen to vehicles at pressures up to 700 bar using hydrogen produced via electrolysis. The design minimizes setback distances and reduces its physical footprint such that the installation opportunities are more widespread.

The prototype of SimpleFuel™ was designed and installed in July 2016. It was tested from September 2016 through December 2016 to evaluate its capabilities against a set of criteria defined by the H₂ Refuel H-Prize Competition.

" We are very proud to win the H₂ Refuel H-Prize Competition with our partners IVYS Energy Solutions and PDC Machines. This recognition by the industry experts and the U.S. Department of Energy of our alliance, validates our efforts in providing cost effective distributed on-site hydrogen generation solutions to the industry. SimpleFuel™ opening up major prospects for distributed infrastructure deployment in the U.S. " declared Prabhu K. Rao, CEO of McPhy Energy North America.

" SimpleFuel™ has great commercial potential in many industries and we look forward to commercializing this with our partners. As hydrogen is a key lever to address the challenge of energy transition, it will have a great contribution to the initial deployment of HRS infrastructure by offering the possibility to have all-in-one affordable refueling 700 bar solutions to trigger the hydrogen mobility booming market ", concluded Pascal Mauberger, Chairman and Chief Executive Officer of McPhy Energy.

About... McPhy Energy

In the framework of the energy transition, and as a leading supplier of hydrogen production, storage and distribution equipment, McPhy Energy contributes to the deployment of clean hydrogen throughout the world.

Thanks to its wide range of products and services dedicated to the hydrogen energy, zero emission mobility and industrial hydrogen markets, McPhy Energy provides turnkey solutions to its clients. These solutions are tailored to our client applications: renewable energy surplus storage and monetization, fuel cell car refueling, raw material for industrial sites.

As a designer, manufacturer and integrator of hydrogen equipment since 2008, McPhy Energy has three development, engineering and production units based in Europe (France, Italy, Germany).

The company's international subsidiaries ensure a global sales coverage of McPhy's innovative hydrogen solutions.

McPhy Energy is listed on NYSE Euronext Paris (Segment C, ISIN code: FR0011742329; ticker: MCPHY).

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