

 Press Release

McPhy passes a new milestone in the development of its offering, working with Toyota to complete tests on its 700 bar prototyping and testing platform

- Positive tests conducted alongside Toyota on a 700 bar testing platform
- Support from Toyota in the finalization development phase for this new McPhy product
- Leading towards an expansion of the McPhy refueling station range: 350 bar and 700 bar
- First deliveries of the McFilling 200-700 solution: 2019

La Motte Fanjas, 3 July 2018 8:45am – McPhy (Euronext Paris Compartiment C: MCPHY, FR0011742329), a specialist in equipment for the production, storage and distribution of hydrogen, has announced a new milestone in the development of its offering, working with Toyota to complete tests on its 700 bar prototyping and testing platform.



We are delighted to have been cooperating with teams from Toyota, the leader in zero-carbon mobility, to accelerate the completion of the development of our McFilling 700 solution to meet growing demand in France and internationally.”

Pascal Mauberger, Chairman and Chief Executive Officer of McPhy, commented: *“Operating on the hydrogen mobility market since 2015, with products positioned to boost the uptake of hydrogen-powered vehicles, McPhy has strengthened its offering with a range of dedicated refueling stations for 700 bar vehicles. Thanks to our testing platform, and the trials conducted together with Toyota, we are finalizing the design of the first of the series, which will be unveiled in October. We are delighted to have been cooperating with teams from Toyota, the leader in zero-carbon mobility, to accelerate the completion of the development of our McFilling 200-700 solution, of which the first deliveries could begin in 2019.”*

McPhy is positioning itself in the buoyant market for 700 bar stations, with the McFilling 200-700

The group has worked with Toyota to complete successfully a testing cycle on its prototyping and testing platform at its Motte Fanjas site, the group's historical base. There, teams from McPhy have worked to design and develop a 700 bar platform. Refueling tests were carried out on two vehicles, to test, under real-life conditions, the design concept, the components and the processes for a 700 bar refueling station, and optimize user experience prior to market launch. These tests produced positive results and in particular helped identify areas for future optimisation.

Toyota, with its expertise in 700 bar vehicles, will support McPhy in the process of finalizing the development of McFilling 200-700. This will give McPhy a full range of refueling stations, from 350 bar to 700 bar, and a strong position to meet growing demand in France and abroad and to support its clients in deploying clean mobility solutions on a large scale.



The two Mirai vehicles (Toyota and McPhy) used in the 700 bar refueling tests

Mobility: a key market in allowing clean hydrogen to reach its full potential

Hydrogen makes a valuable contribution to improving urban air quality. As a clean alternative fuel, hydrogen definitely has a key role to play in successful energy transition and the emergence of a lower-carbon society. Mobility was identified as a key market in the study from the Hydrogen Council¹, which estimated that the requirement for fueling stations could be between 5,000 and 15,000 by 2030, and in the strategic plan announced by Nicolas Hulot, Minister of State and Minister for Ecological and Inclusive Transition. This devoted €100 million in 2019 to supporting the deployment of hydrogen and making France a world leader in the field: development of zero-emission solutions for road, rail and water transport, etc., with deployment by 2023 of 5,000 light vans, 200 heavy vehicles (buses, trucks, regional trains, boats) and 100 fueling stations providing locally produced hydrogen.

¹ <http://hydrogencouncil.com/hydrogen-scaling-up/>

Next financial communication

2018 first half results, 26 July 2018

About Mirai cars

Mirai, which means “Future” in Japanese, is the concrete result of more than 20 years’ research by teams within the Toyota group. Over a long period, Toyota has multiplied its approaches to the issue of mobility, in order to develop more environmentally friendly vehicles: hybrid vehicles, plug-in hybrids, hydrogen fuel cell vehicles, and battery-powered electric vehicles. The Mirai has no tailpipe emissions of CO₂ or other pollutants; the only emission is water vapour. Thus it feeds into Toyota’s ambition to move towards zero-emission mobility, and to reduce CO₂ emissions from its new vehicles by 90% of 2010 levels by 2050.

Launched officially in Japan in December 2014 and then in California in the autumn of 2015, the Mirai has been available in small batches in Europe since the end of 2015.

About McPhy

In the framework of the energy transition, and as a leading supplier of hydrogen production, storage and distribution equipment, McPhy 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 provides turnkey solutions to its clients. These solutions are tailored to our client applications: renewable energy surplus storage and valorization, fuel cell car refueling, raw material for industrial sites.

As a designer, manufacturer and integrator of hydrogen equipment since 2008, McPhy 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 is listed on NYSE Euronext Paris (Segment C, ISIN code: FR0011742329; ticker: MCPHY).

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