

McPhy

Driving
clean energy
forward

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).

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

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Driving clean energy forward

The irreversible exhaustion of natural resources, global warming, increasing inequality between countries, air pollution and the resulting degradation of public health ...
Whether it is environmental, economic or social, the modern world faces major challenges that only a profound change in energy can respond to.



"Supporting new ways of thinking about the production and consumption of energy, developing a mix based on renewable energies, more sustainable and anchored in the territories: this is the conviction that we share.

At the heart of this project, the hydrogen carrier plays a central role: for the storage of energy of course, but also to decarbonize transportation as well as deploy new low carbon industrial uses.

For almost 10 years, McPhy has thus concentrated its expertise on the deployment of hydrogen energy as a solution for the climate and sustainable economic growth, while making our technology even more competitive and accessible.

Alongside our Clients and Partners, our ambition is to contribute to drive clean energy and smart grids forward throughout the world.

We are proud to be part of our Clients' (Industrial, Communities,...) economic and ecological performance, but also - at our level - of the implementation of a low-carbon society."

Pascal MAUBERGER, Chairman | Chief Executive Officer

A full range of hydrogen equipment and solutions

A 'Pure Player' in hydrogen energy, McPhy benefits from its unique position on the entire H₂ value chain.
As a leading industrial company, we put at your service a "system-approach" allowing us to align our hydrogen solutions with your business and specific needs, and integrate them easily into your organization.

Hydrogen production equipment



- Piel and McLyzer Electrolyzers**
- From 0,4 to 400 Nm³/h and beyond
 - Pressure range of 1 to 30 bar

Hydrogen storage solutions



McStore

Hydrogen refueling stations



- McFilling and SimpleFuel™**
- From 5 to 200 kg of hydrogen per day
 - Distributes 350 and/or 700 bar

Among our Clients

INDUSTRY

PUS (ENGIE Cofely / Linde),
Bulgari,
Luxottica,
Zaoquan / Suzhou Jingli
(power plant cooling)

ENERGY & POWER TO GAS

Jupiter 1 000 (GRTgaz),
Audi,
EnergieDienst ENBW,
Hebei / SINOPEC

MOBILITY

City of Paris / Idex,
FaHyence (Communauté d'Agglomération
Sarreguémises Confluences / EDF / Eifer),
Hyway Lyon (ENGIE GNVert),
Valence Romans Sud Rhône Alpes,
ENGIE Lab Singapour



Empowering energy transition via the deployment of hydrogen applications

Energy transition supports the widespread adoption of renewable energy and local sustainable economic growth.

As a multi-applications energy carrier, hydrogen plays a key role in this mutation. It can be turned into clean fuel to charge the hydrogen vehicles, injected into the gas networks, used as a raw material for the industry, or as an energy storage solution to give the flexibility requested for the smart grids monitoring.



Our hydrogen solutions contribute to:

- Address the climate challenge
- Ease the renewable energy integration
- Help clean the air and improve the quality of life
- Ensure a sustainable economic growth for the territories in consultation with stakeholders



HYDROGEN MOBILITY

To fuel all types of mobility: captive fleets (utility vehicles, lift trucks), public transportation (buses), urban cars (privately owned vehicles)
Zero-emission: no noise, no particles, no CO₂



INDUSTRIAL H₂

To supply the industrial sites with low carbon hydrogen, reconciling the issues of productivity and social responsibility



H₂ IN THE TERRITORIES

To make the energy transition a success, thanks to a local production approach and a wide range of uses anchored in the territories' reality



STORAGE & POWER TO POWER

Electricity stored in the form of hydrogen for isolated sites (island environment,...) and back-up solution for energy autonomy (buildings, relay antenna, data centers, ...)



POWER TO GAS

To valorize and store large amounts of renewable energy in the form of hydrogen, then integrated into the gas network or distributed as clean fuel



RESEARCH & INNOVATION

Alongside the R&D platforms: to contribute to both the deployment of innovative hydrogen solutions, and the development of promising business models