

# McPhy

Driving  
clean energy  
forward

**DESIGNER AND MANUFACTURER**  
**OF EQUIPMENT FOR THE**  
**PRODUCTION & DISTRIBUTION**  
**OF LOW-CARBON HYDROGEN**

**INDUSTRY**



**MOBILITY**



**ENERGY**



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# McPhy CLEAN HYDROGEN TECHNOLOGIES



## ELECTROLYZERS

### Pressurized alkaline electrolysis

Produce low-carbon hydrogen on-site, to your specifications

- High current density electrodes
- Flexibility and fast response time
- High efficiency (DC > 4,65 kWh / Nm<sup>3</sup>)
- High-pressure alkaline electrolyzers
- 30 bar, no need for further compression stage
- Modular technology (standardization and replicability): 1 / 4 / 16 / 100+ MW
- Compact footprint: 20 MW installed in less than 900 m<sup>2</sup>
- Highest quality & safety standards
- Full range of services (digital supervision, data monitoring, maintenance, etc.)

## Applications

- > PETROL & GAS REFINERIES
- > CHEMICAL PROCESSING
- > POWER TO GAS
- > STEEL



©McPhy McLyzer 800-30



©McPhy McLyzer 200-30



INDUSTRY



MOBILITY



ENERGY

NEW!

193 MW\*  
IN REFERENCE



San Miniato production site: since January 2023, installation of a large stack semi-automatic line to semi-robotize the stacking operation



## HYDROGEN REFUELING STATIONS

### Low-emission transport revolution

Switch your mobility to low-carbon mode

- Scalability of McPhy stations (storage): 200 / 400 / 800 kg/d
- As of 2,000 kg/d: a proprietary & patented architecture
- All dispensing pressures: 350 bar / 700 bar / Dual Pressure
- Increased availability and flexibility, optimized energy efficiency
- Optimized investment and operating costs
- Easy coupling with electrolyzers
- Full range of services (digital supervision, data monitoring, maintenance, etc.)

## Applications

- > ROAD
- > RAIL
- > MARITIME



96 STATIONS\*  
IN REFERENCE



ELECTRICITY  
PRODUCTION

PRODUCTION

TRANSPORT  
& STORAGE

DISTRIBUTION

END-USE

\* [December 31<sup>st</sup>, 2022] 193 MW in reference, among which 45 MW are signed projects and 148 MW for which McPhy has been selected as preferred partner. 96 stations in reference, among which 40 are signed projects and 56 stations for which McPhy has been selected as preferred partner.  
«Signed projects»: orders with signed purchase orders | «Preferred partners»: preferred partner and subject to the project's success

The 3D renderings appearing in this picture are for illustration purposes and are not contractually binding.

**3 MARKETS  
SERVED**  
INDUSTRY, MOBILITY, ENERGY

**€ 16.1 MILLION  
IN REVENUE**  
IN 2022

**€ 29.4 MILLION  
OF FIRM ORDERS**  
AND AN INCREASE OF MORE THAN 56% IN THE BACKLOG

**LEADER  
IN ALKALINE ELECTROLYSIS**  
The most mature hydrogen generation process on the market, an indispensable technological component for the mass production of low-carbon hydrogen from renewable electricity

**LOW-CARBON  
HYDROGEN**  
Clean energy that doesn't generate any carbon when it is produced using electricity which comes from a renewable source

**3 COUNTRIES  
FRANCE, ITALY, GERMANY**  
A SCALABLE EUROPEAN INDUSTRIAL BASE WITH GLOBAL REACH

**205 EMPLOYEES  
"ONE MCPHY"**  
20 NATIONALITIES. A GLOBAL ORGANIZATION.  
90 RECRUITMENTS PLANNED FOR 2023\*

**€ 135 MILLION  
CASH POSITION**  
STRONG FINANCIAL POSITION  
AS OF DECEMBER 31, 2022

**193 MW  
& 96 STATIONS\***  
IN REFERENCE

## New production capacities

### HYDROGEN REFUELING STATIONS

150 stations / year



### ELECTROLYZERS

1,3 GW / year



OPENING IN 2024!

Electrolyzers Gigafactory in Belfort



©Credit\_GSE-Unanime Architectes

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96 stations in reference, among which 40 are signed projects and 56 stations for which McPhy has been selected as preferred partner.

«Signed projects»: orders with signed purchase orders | «Preferred partner»: preferred partner and subject to the project's success, considering that some of these projects should have an impact on the revenue as of 2023.  
\*\* 60 on our 4 existing sites in Grenoble, Paris, Wildau and San Miniato & 30 on the Gigafactory in Belfort.