

# SALES BROCHURE



HIGH PRESSURE INTEGRATED SOLUTIONS

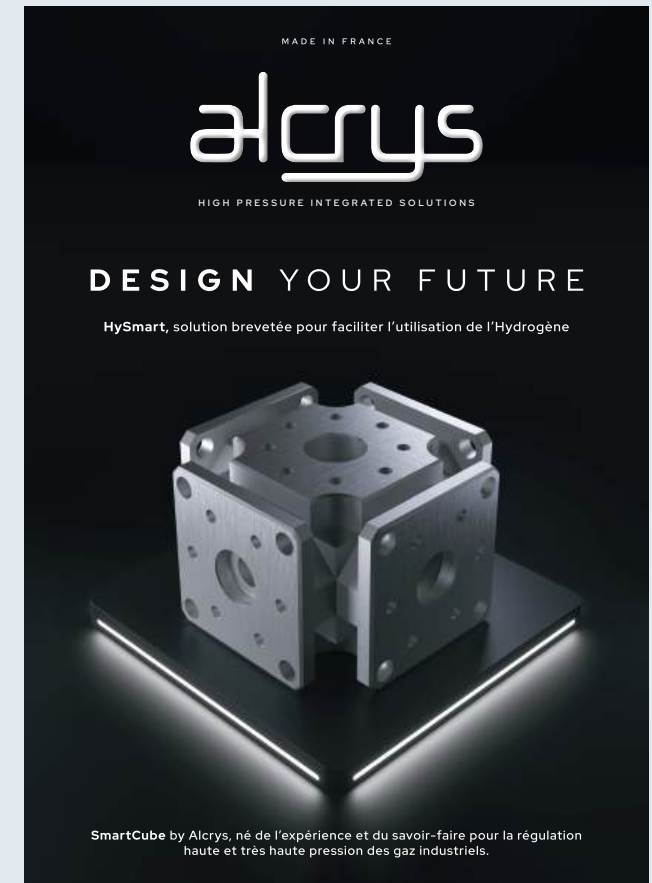
GARDANNE, LE 06/01/2025

[www.alcrys.fr](http://www.alcrys.fr)

## OUR CORE BUSINESS

DELIVERING INNOVATIVE SOLUTIONS TO INDUSTRIAL MARKETS SINCE 14 YEARS ...

- Based on **disruptive technologie** « Plug and Play », dedicated to gas pressure regulation
- And today, a **unique know-how** allowing to be a key player of the new Hydrogen mobility chain
- Hydrogen (and other gases) regulation and distribution efficiency is allowed with « **key organs** », Alcrys' Smart Cubes, for more efficient Control, Regulation and Distribution
- « **Bespoke solutions** » for the most demanding applications

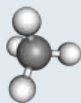
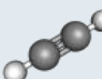
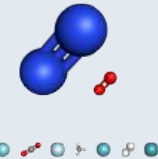
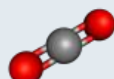




## INDUSTRY - DEFENCE - H2 MOBILITY



# INDUSTRIAL GASES

| HAZARDOUS GASES                                                                     |                                                                                   |                                                                                      |                                                                                   |                                                                                    | NON-HAZARDOUS GASES                                                                   |                                                                                     |                                                                                       |                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| COMBUSTIBLE GAS                                                                     |                                                                                   |                                                                                      |                                                                                   | OXIDIZING GAS                                                                      | NEUTRAL GAS                                                                           |                                                                                     |                                                                                       |                                                                                     |                                                                                     |
| H2                                                                                  | HYDROCARBON                                                                       | CO                                                                                   | C2H2                                                                              | O2                                                                                 | Air                                                                                   | N2                                                                                  | Ar                                                                                    | CO2                                                                                 | He                                                                                  |
|    |                                                                                   |                                                                                      |                                                                                   |  |    |                                                                                     |                                                                                       |                                                                                     |                                                                                     |
|    |  |     |  |  |    |  |    |  |  |
| CARRIAGE                                                                            |                                                                                   |                                                                                      |                                                                                   |                                                                                    | STORAGE                                                                               |                                                                                     |                                                                                       |                                                                                     |                                                                                     |
|  |                                                                                   |  |                                                                                   |                                                                                    |  |                                                                                     |  |                                                                                     |                                                                                     |

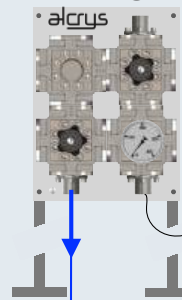
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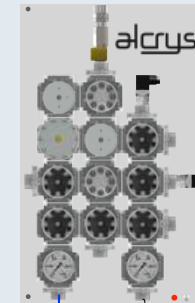


TUBE TRAILER  
MANIFOLD



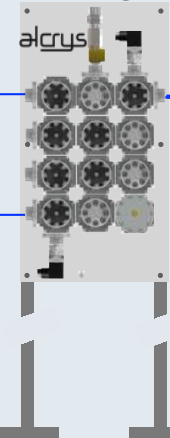
Trailer 50 MPa

LOAD/UNLOAD  
TUBE TRAILER MANIFOLD



Trailer 50 MPa

ELECTROLYZER  
MANIFOLD



Electrolyzer

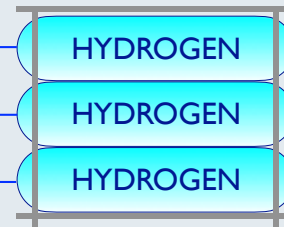
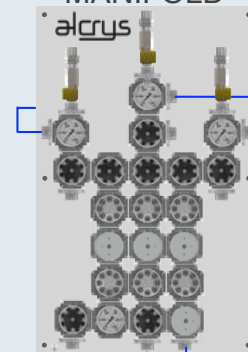


MEGC 50 MPa

alcrus

HYDROGEN HANDLING SYSTEMS

MODULAR  
MULTI STORAGE  
MANIFOLD



Buffer 95 MPa

DISPENSER  
MANIFOLD



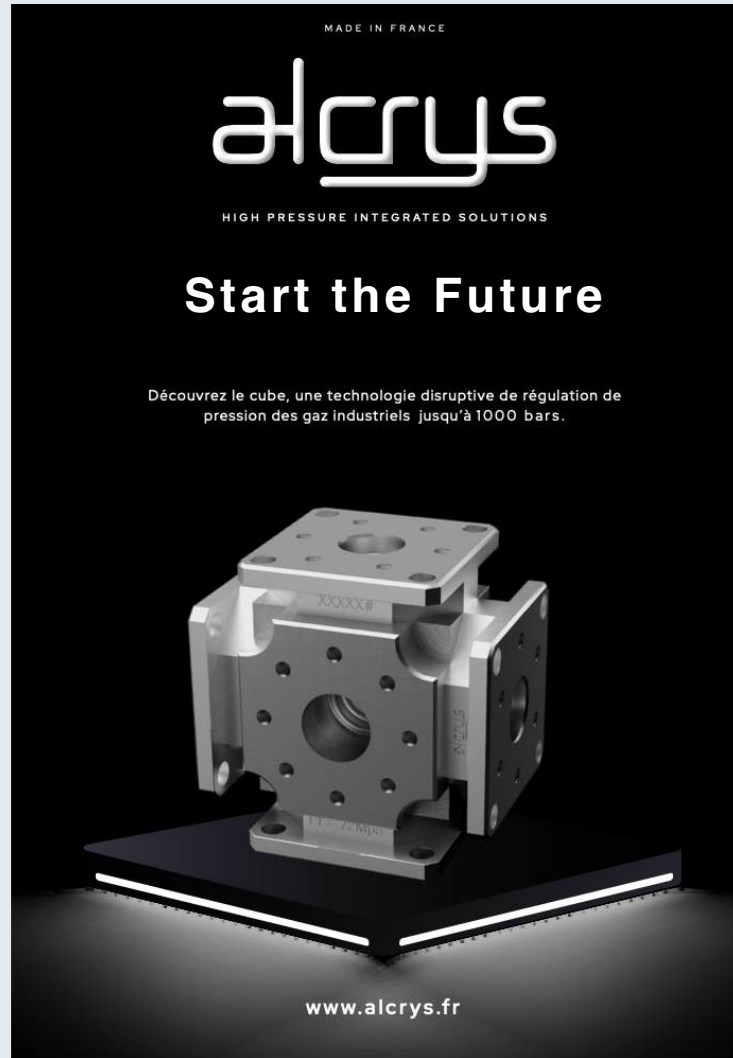
Filling up to 90 MPa



Compressor 90 MPa

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# DISRUPTIVE TECHNOLOGY

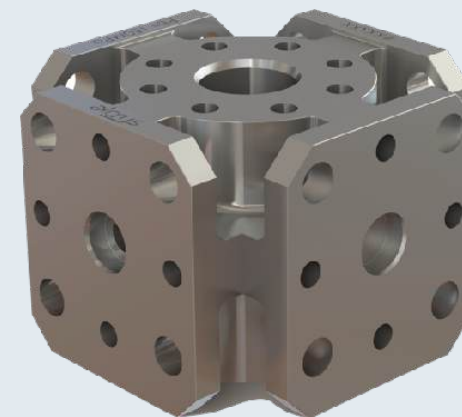


- **Cube + Cartouche Technology → Modularity & Upgradability → Unique & Patented**
- **Designed for Hydrogen Very High Pressure**
- **Easier , Safer & Cost effective**

# LE COMPOSANT ELEMENTAIRE DE NOS SOLUTIONS EST CONÇU COMME UN ASSEMBLAGE « PLUG&PLAY » d'un Smart\_Cube et d'une Cartouche

## ☑ SMART-CUBE

- Allows free of tubing and fittings leak-tight installation with « like a Lego® » assembly



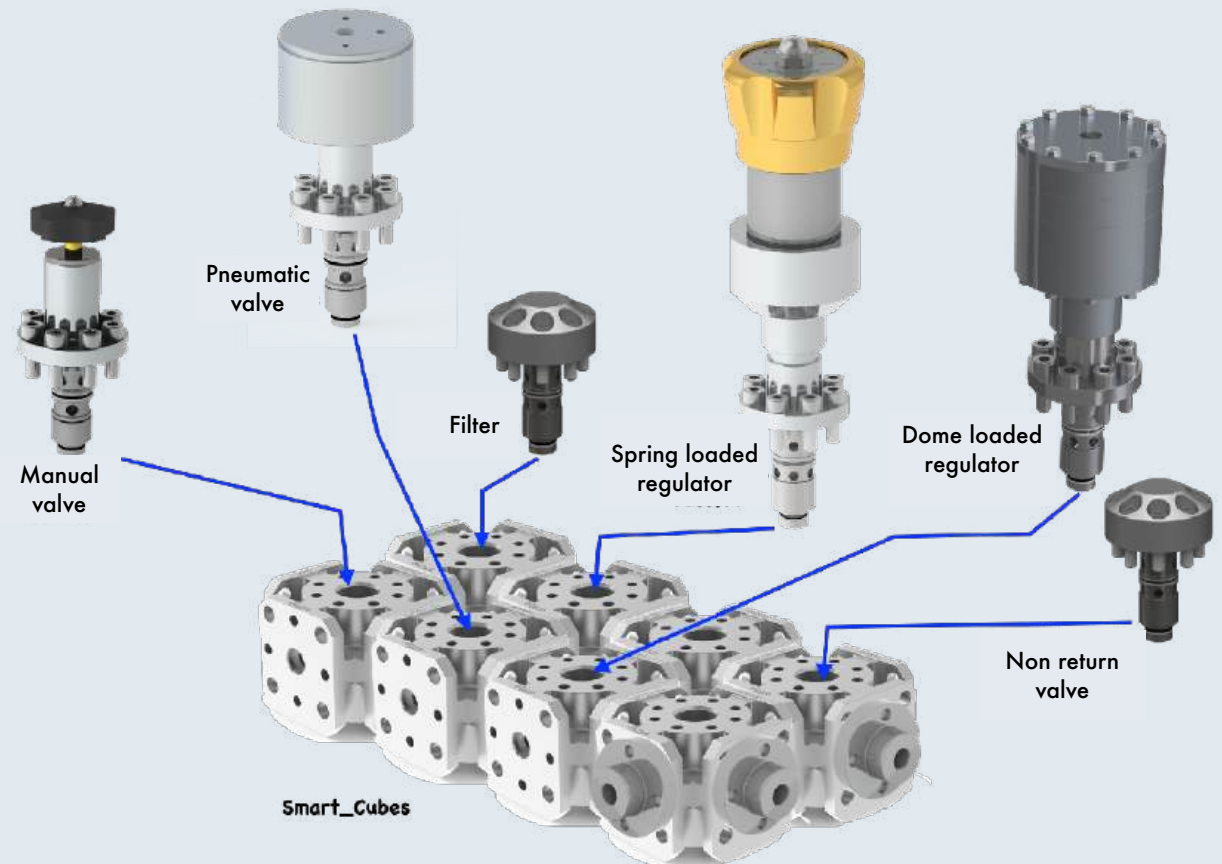
## ☑ CARTOUCHE amovible « FAST&SAFE »

- Brings the function : pressure regulator, shut-off valve, solenoid valve, non-return valve, filter,...



## CUSTOMER BENEFITS

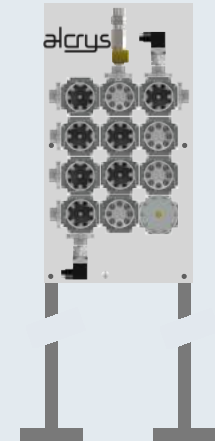
- ✓ COMPACTITY
- ✓ EASY IMPLEMENTATION
- ✓ UPGRADABILITY
- ✓ MAINTENANCE FAST&SAFE, EASY  
& COST EFFECTIVE
- ✓ MAXIMUM RELIABILITY
- ✓ COST CONTROL



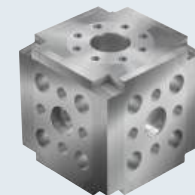


# STANDARD SOLUTIONS

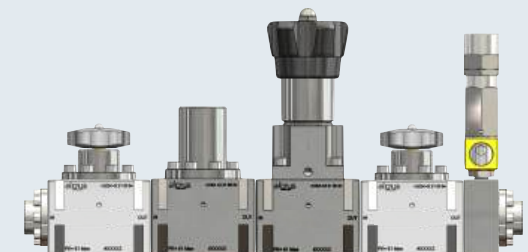
## MODULAR HYDROGEN HANDLING SYSTEMS



## HYPER<sup>3</sup>

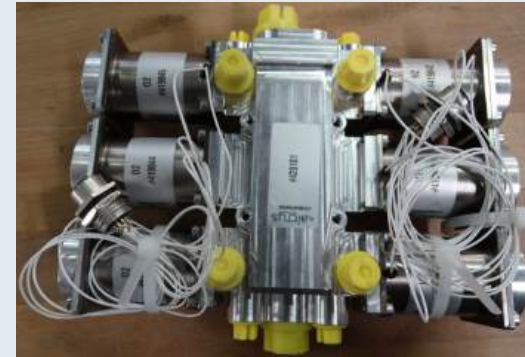


## GAS DELIVERY SYSTEMS



# CUSTOMIZED SOLUTIONS

 **ALCRYSMART®**

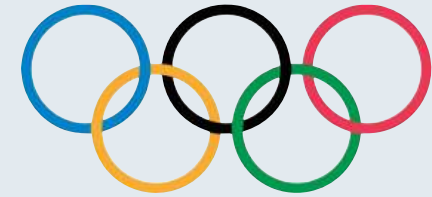


 **PROJECTS**



# HYSMART<sup>®</sup>

## HYDROGEN GAS PANEL 2024



**EASY**



**FULLY  
ELECTRIC**

**SAFE**

**ECO  
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**CAPEX** → 😮

**OPEX** ↘ 😊

**COM  
p  
a  
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t**



# HYSMART®

A FEW EXAMPLES



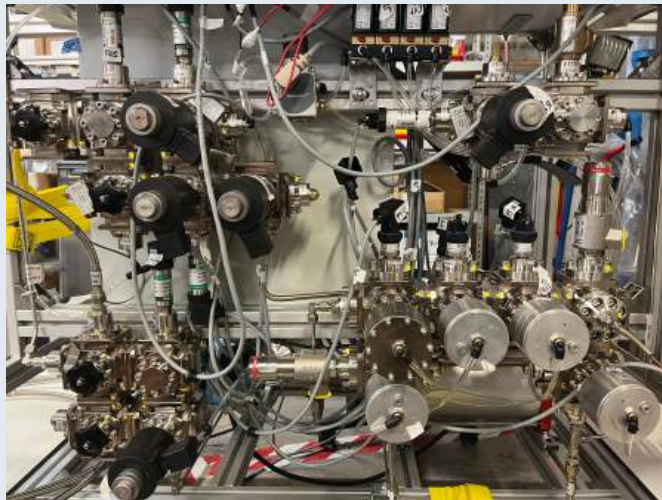
 **Air Liquide**



 **Air Liquide**



 **Air Liquide**



CONFIDENTIEL



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CONFIDENTIEL



# ALCRYSAFE®

A FEW EXAMPLES



McPhy

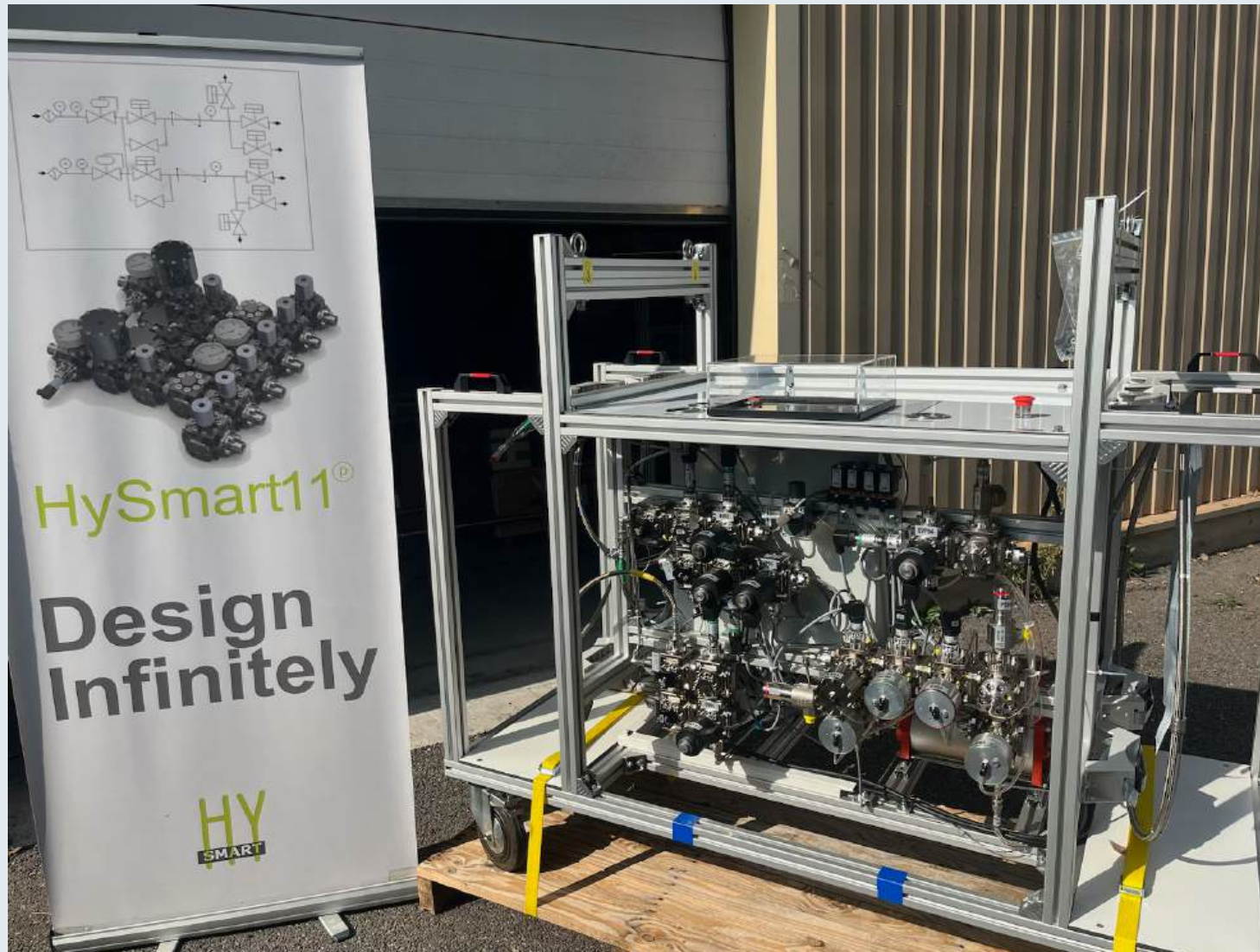


 Air Liquide



# HYSMART®

A FEW EXAMPLES



DEFENCE



HIGH PRESSURE INTEGRATED SOLUTIONS

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