



Hydrogen Solutions



Move with us towards a **greener future**.

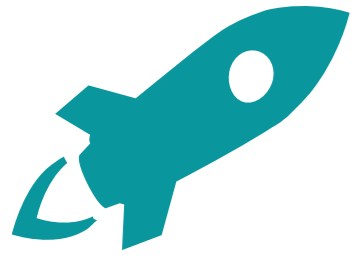
Our story



Highlights

We Begin

We have 34 years of experience (founded in 1991)

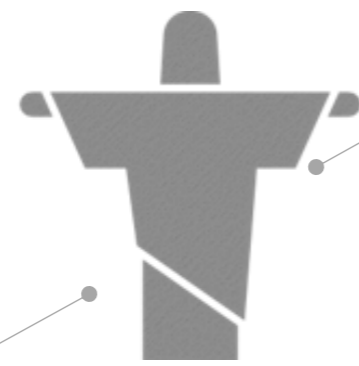


First LNG installation, 1999



First LNG

+350



NGV Installation

First NGV installation in Brasil in 2005

+100

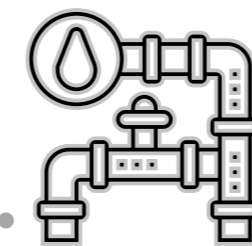


African Footprint

First operations in the African Continent by 2008

Virtual Pipeline

LNG virtual pipeline to Madeira Island in 2014



Bunkering

Our first bunkering operation in Norway, 2017



Hydrogen

First Hydrogen refuelling station In Portugal, 2021



Dakar Rally

First mobile hydrogen refuelling station supplying H₂ in Dakar Rally, 2024

Projects worldwide



Where have we developed our work?

We have implemented projects across several countries, in different Continents, around the World.

Europe

- Portugal
- Spain
- France
- England
- Scotland
- Italy
- Austria
- Slovenia
- Norway
- Poland
- Ireland
- Belgium
- Andorra
- Germany
- Luxembourg
- Denmark
- Greece
- Lithuania
- The Netherlands
- Sweden
- Serbia
- Romania

South America

- Brazil
- Colombia
- Panama
- Peru
- Ecuador

Africa

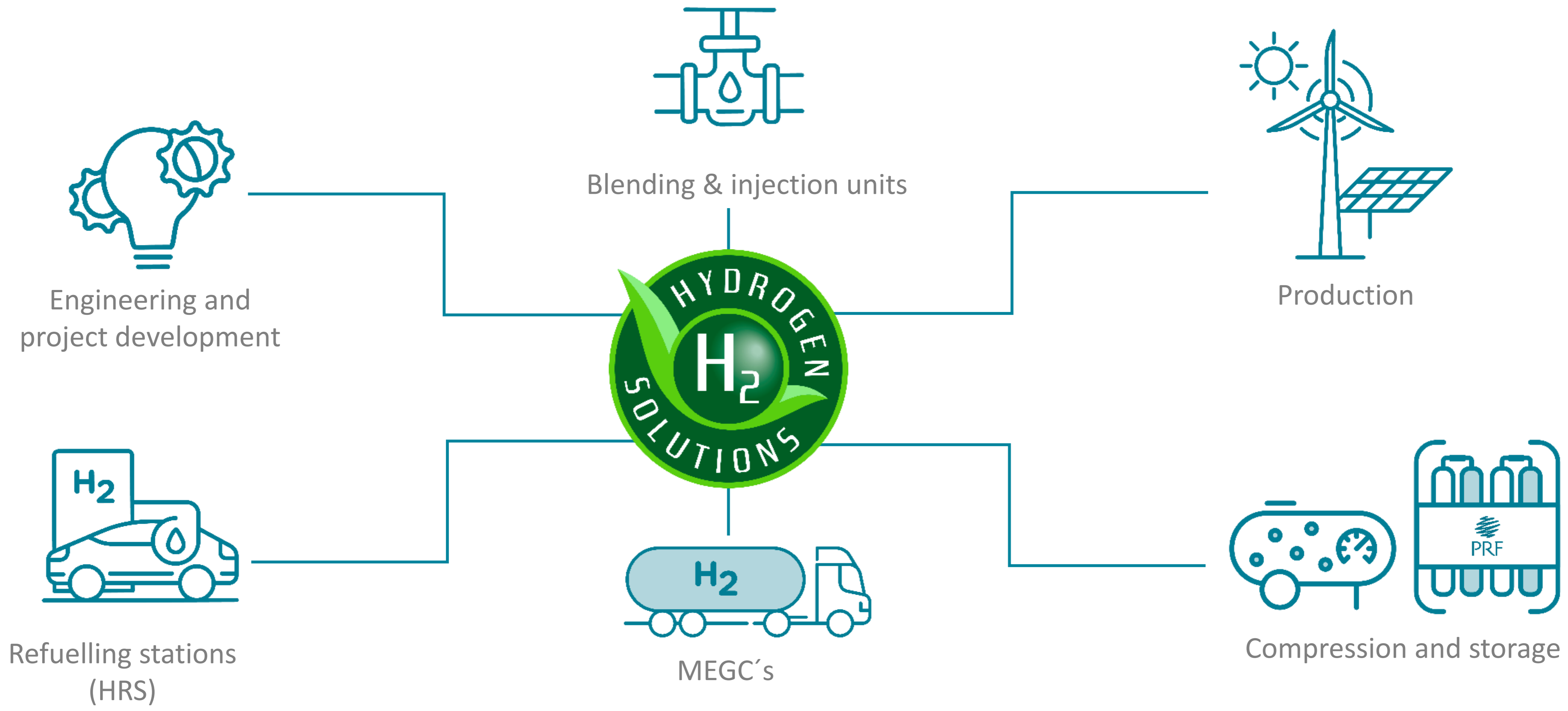
- Angola
- Mozambique
- Eswatini

Asia & Middle East

- Saudi Arabia

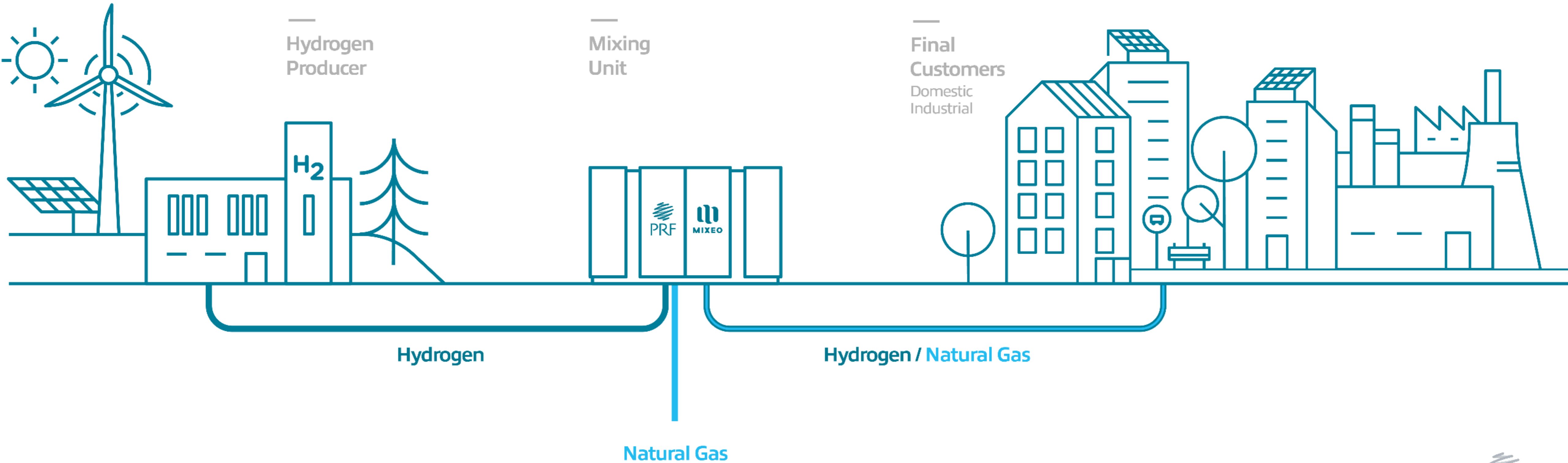


Hydrogen scope



Power to Gas

Hydrogen injection on the natural gas grid is a great way to reduce CO₂ emissions, enabling the decarbonization of natural gas networks.



Green pipeline project

It is a pilot project, pioneer in Portugal. The aim is to test, over 2 years, in a real environment, the injection of green hydrogen (up to 20% vol.) in the natural gas distribution network.



Concluded in March 2022

Green pipeline project

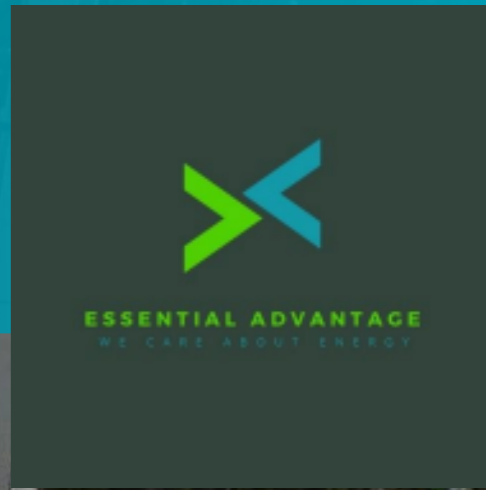
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Concluded in March 2022

Hydrogen production units for injection into the natural gas grid

Rio Maior, PORTUGAL



Date of conclusion: Q2 2025



Hydrogen and natural gas mixing unit for ceramic industry

ECP, PORTUGAL



Prémio Nacional de Sustentabilidade
20  30 **negócios**

PRF - GÁS, TECNOLOGIA E CONSTRUÇÃO, S.A.
VENCEDOR
na categoria **DESCARBONIZAÇÃO**
MICRO, PEQUENAS E MÉDIAS ORGANIZAÇÕES

ALVO SUSTENTABILIDADE CONSERVAÇÃO VALOR IMATERIAL

  **negócios Deloitte.**

Date of conclusion: Q4 2023



Hydrogen and natural gas mixing unit for ceramic industry

RIASTONE/IKEA



Date of conclusion: Q2 2025



MIXEO portable – Hydrogen blending & injection for education

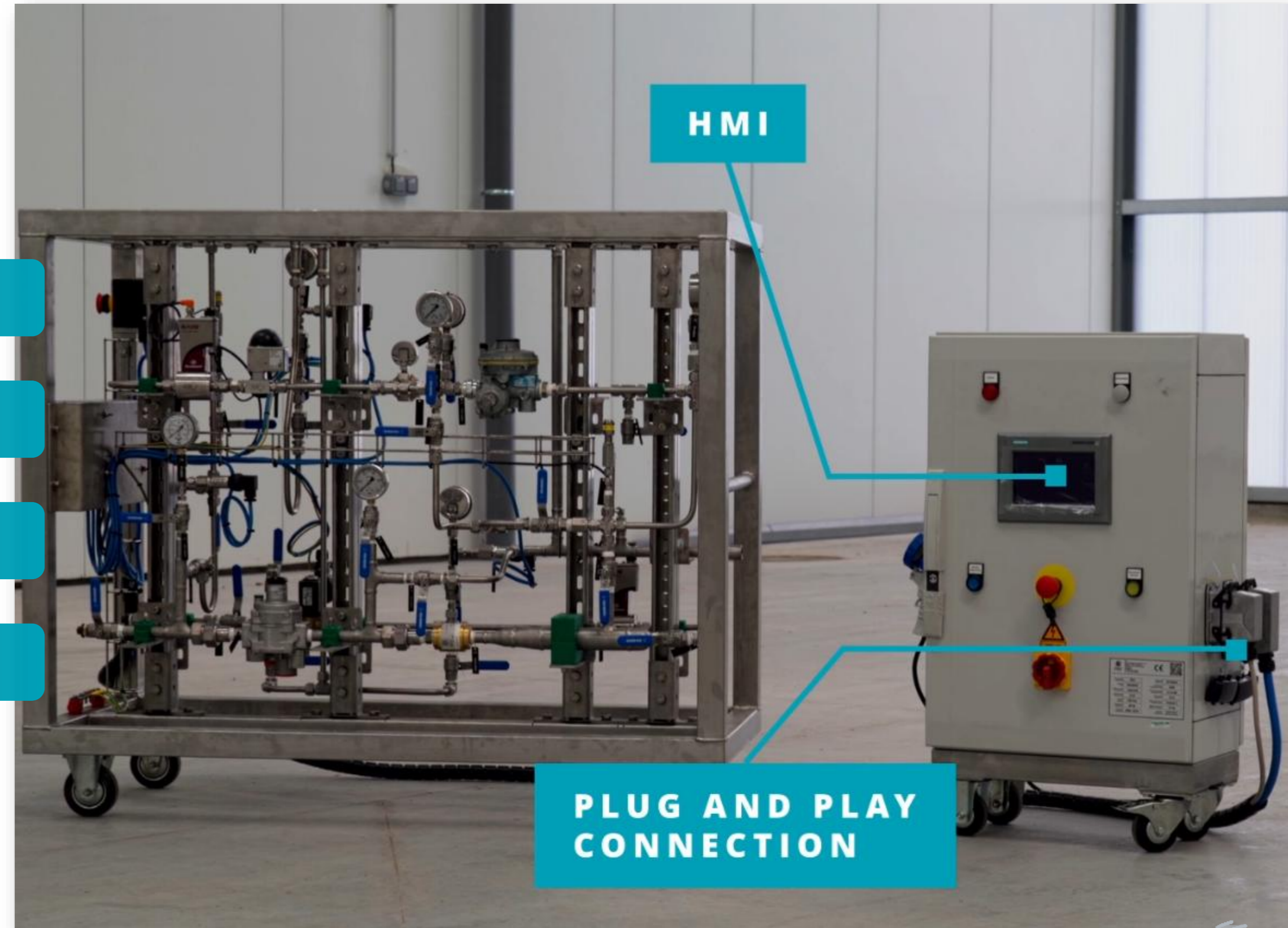
Compact hydrogen blending & injection unit

Compact, plug-and-play hydrogen blending and injection unit.

Designed for educational and demonstration purposes.

Enables safe, small-scale hydrogen injection into natural gas.

Brings hydrogen to classrooms, labs, and research centers.



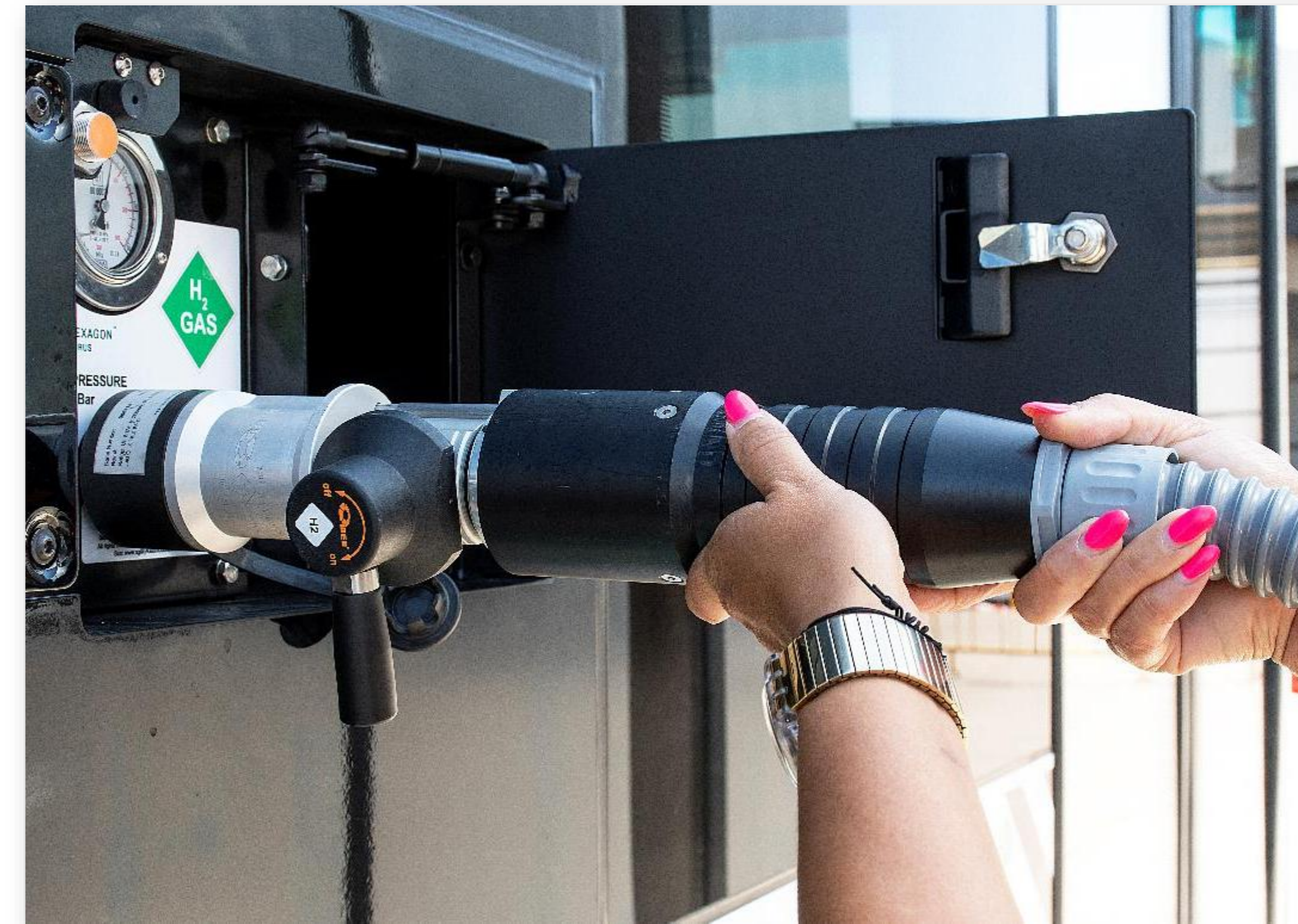
Hydrogen refuelling stations

Engineering, construction and maintenance, in order to guarantee reliable and suitable hydrogen supply solutions, tailored to customer needs.



DRHYVE Portable hydrogen refuelling station

No civil works needed | No cranes needed | Can be transported anywhere | Rental or purchase options



Plug-and-play, fully automated solution, that includes storage, hydrogen compression, control and dispensing in a 20ft container.

Already delivered more than 36,0 tons since August 2021 (+2960 refills, as of 15/10/2025).



DRHYVE Portable hydrogen refuelling station

Start of the demonstration project in November 2023 in the *Médio Tejo Zone*





DRHYVE Portable hydrogen refuelling station for motorsports

500 bar + 950 bar compression | 500 bar + 950 bar storage | H₂ cooling | Water cooling | 350 bar + 700 bar dispensing



Date of conclusion: November 2023





DRHYVE Portable hydrogen refuelling station in DAKAR 2024

500 bar + 950 bar compression | 500 bar + 950 bar storage | H₂ cooling | Water cooling | 350 bar + 700 bar dispensing



Power to *mobility*

Cascais, PORTUGAL



Date of conclusion: Q3 2025

Power to *mobility*

Madrid, SPAIN



Date of conclusion: Q2 2023

Power to mobility

Madrid, SPAIN



Date of conclusion: Q2 2023

Power to *mobility*

FRANCE



2024



Power to *mobility*

Finished projects

Country	City	Refuelling (bar)	Hydrogen supply
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Portugal	Several	350	Tube trailer
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Spain	Madrid	350	Eletrolyzer (HEVO)
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Saudi Arabia	Several	350 and 700	Tube trailer
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France	Paris	350 and 700	Tube trailer
	Lurcy-Lévis		
	Le Mans		

Poland	Wloclawek	350	Tube trailer
	Walbrzych	350 and 700	

Sweden	Kiruna	350 and 700	Tube trailer
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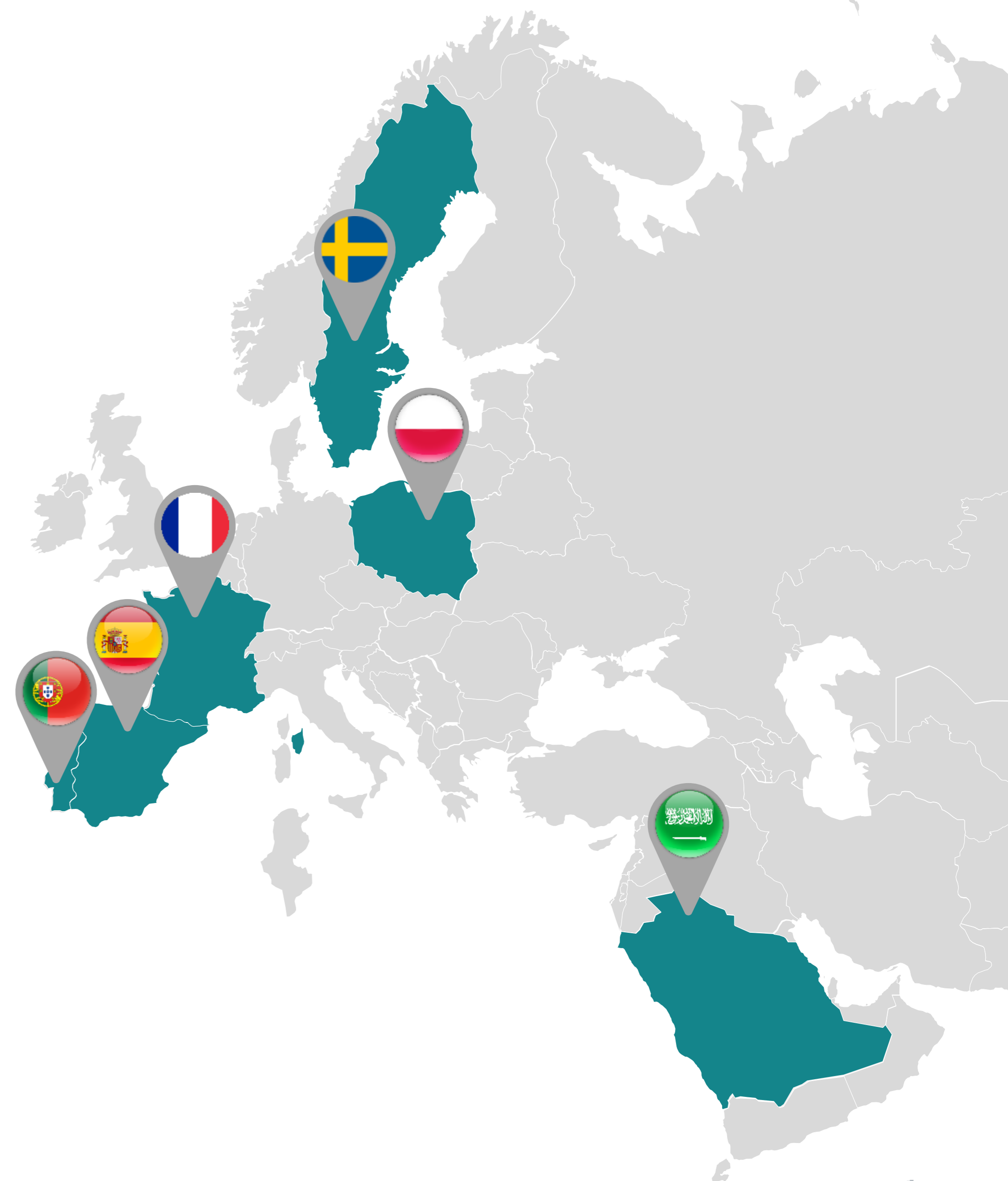
exolum

A.S.O.
Amaury Sport Organisation

energy
GROUPE GCK

ORLEN

VOLVO



Power to *mobility*

Ongoing projects

Country	City	Refuelling (bar)	Hydrogen supply
Portugal	Cascais	350 and 700	Eletrolyser
	Porto	350 and 700	
	Chaves	350	
	Alandroal *	350	Tube trailer

*H₂TALENT Hydrogen Valley

The Netherlands	Den Haag	350	Tube trailer
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Italy	Edolo	350 (high flow)	Tube trailer
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Serbia	Belgrade	350 and 700	Tube trailer
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Romania	Bucarest	Up to 300 bar – Tube trailer filling	
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Power to *mobility*

Ongoing projects

Country	City	Refuelling (bar)	Hydrogen supply
Poland	Bielsko-Biala	350 and 700	Tube trailer
	Gorzow		
	Przemierowo		
	Wroclaw (2x)		
	Zielona Góra		

Poland	Chelm	350 and 700	Tube trailer
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Norway	Several	350 and 700	Tube trailer
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Spain	Palma de Maiorca	350 	Tube trailer
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Brazil	Foz do Iguacu	350	Eletrolyser
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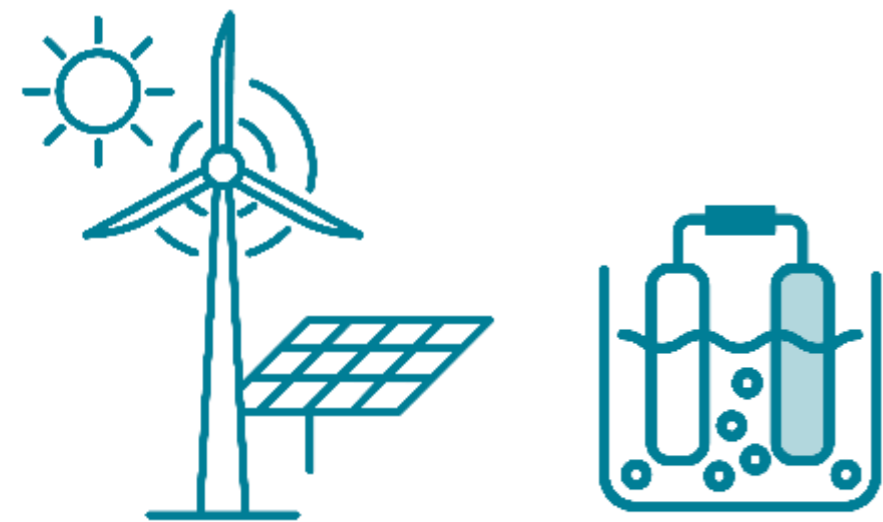


APPLIED HYDROGEN



Power to X

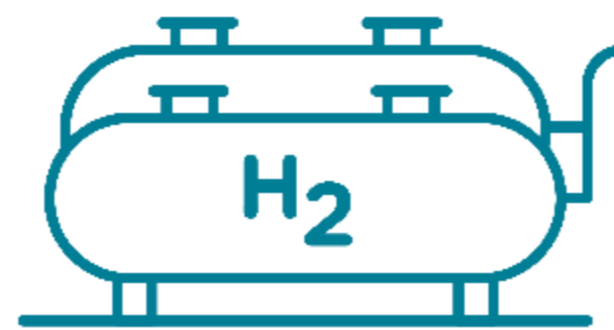
Évora, PORTUGAL



Green H₂ production



1st compression stage



Low pressure storage



2nd compression stage



High pressure storage



Distribution



Fuel cell

PRF's scope

Concluded in April 2022

Power to X

Évora, PORTUGAL



Concluded in April 2022

Multiple element gas container (MEGC)

Hydrogen transport module



300 bar | 380 bar | 500 bar



Equipment construction



500 bar compressor assembly



900 bar compressor assembly

Equipment construction



500 bar and 1000 bar storage

Monitoring & remote control

Online monitoring | Remote control and management | Stock and logistics control and management
Historical analysis | Friendly and multi-language interface | Integration with *Modbus*



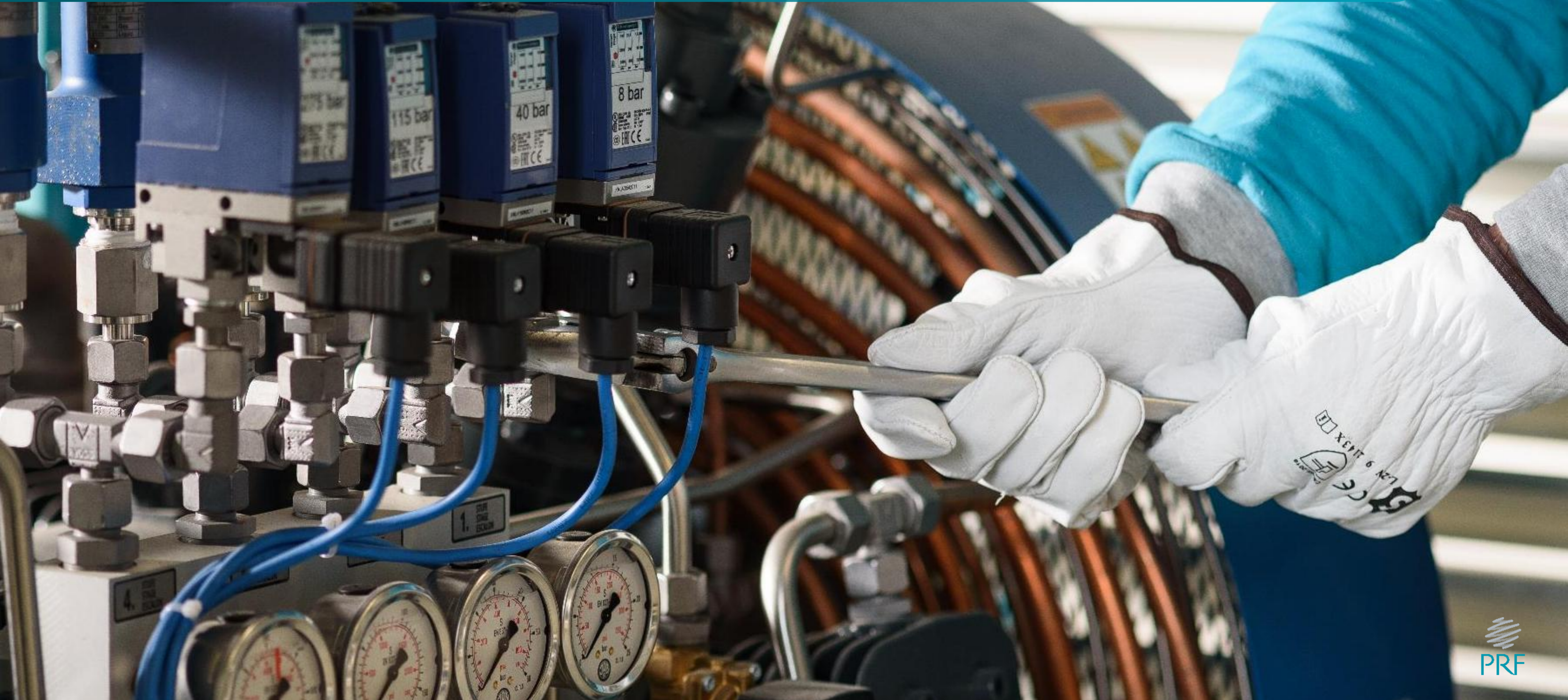
The logo for webCOP, featuring the text "webCOP" in a stylized font with a Wi-Fi symbol above the "O".





weKEEP Maintenance & support

Remote and/or local monitoring | Preventive and corrective maintenance | Spare parts stock | 24/7 assistance



Videos



Click on the links to get to know us better



Gas Solutions



[PRF – General presentation](#)

[Hydrogen projects](#)

[DRHYVE – Portable HRS](#)

[HRS with local production - Cascais](#)

[MIXEO – Blending and injection gas unit](#)

[MIXEO portable – Hydrogen Blending & Injection for Education](#)

[LNG/CNG refuelling station](#)

[MOOV: mobile LNG refuelling station](#)

[LNG virtual pipeline](#)

[webCOP – Control Operational Platform](#)

Thank you



For your time



Gas Solutions

Move with us towards a greener future.



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