



ClusterXchange



Hydrogen and decarbonisation mission

Torino - July 1° 2022



Fluids Innovative Lines

In collaboration with



And in collaboration with the Regional Innovation Clusters of Piemonte



per una crescita intelligente, sostenibile ed inclusiva
www.regione.piemonte.it/europa2020

INIZIATIVA CO-FINANZIATA CON FESR

The Company



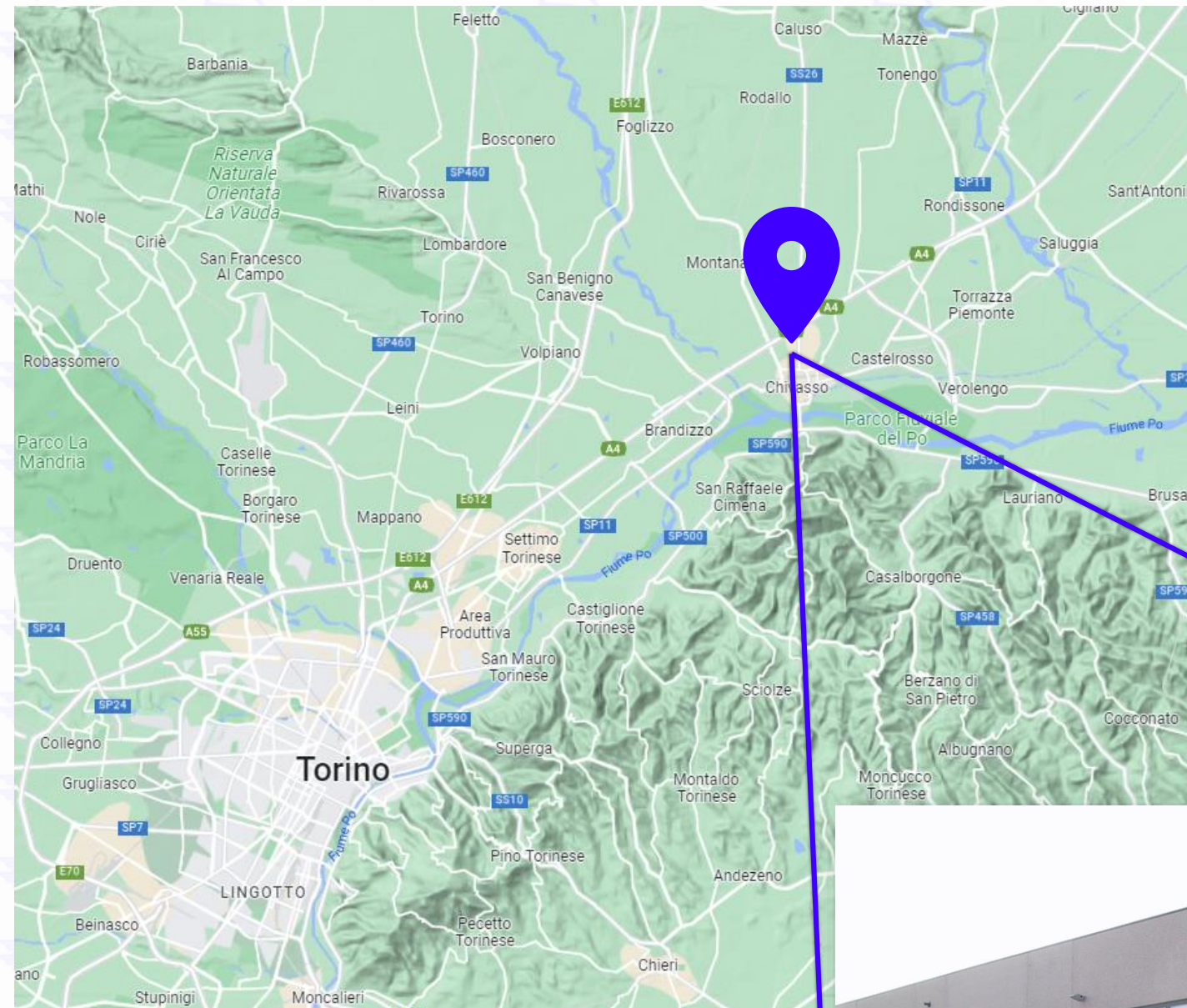
Nitrogen wetting system



CO2 Purification system at ppb level for ExoMars Space Mission



LTP - low temperature protection device



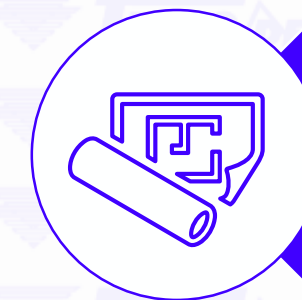
Chivasso (TO) – Via F. Parigi 5/H



Established in 1997



14 Employees



Project & Manufacturing

Special Plants, Systems, Safety Devices

Based on Customer needs



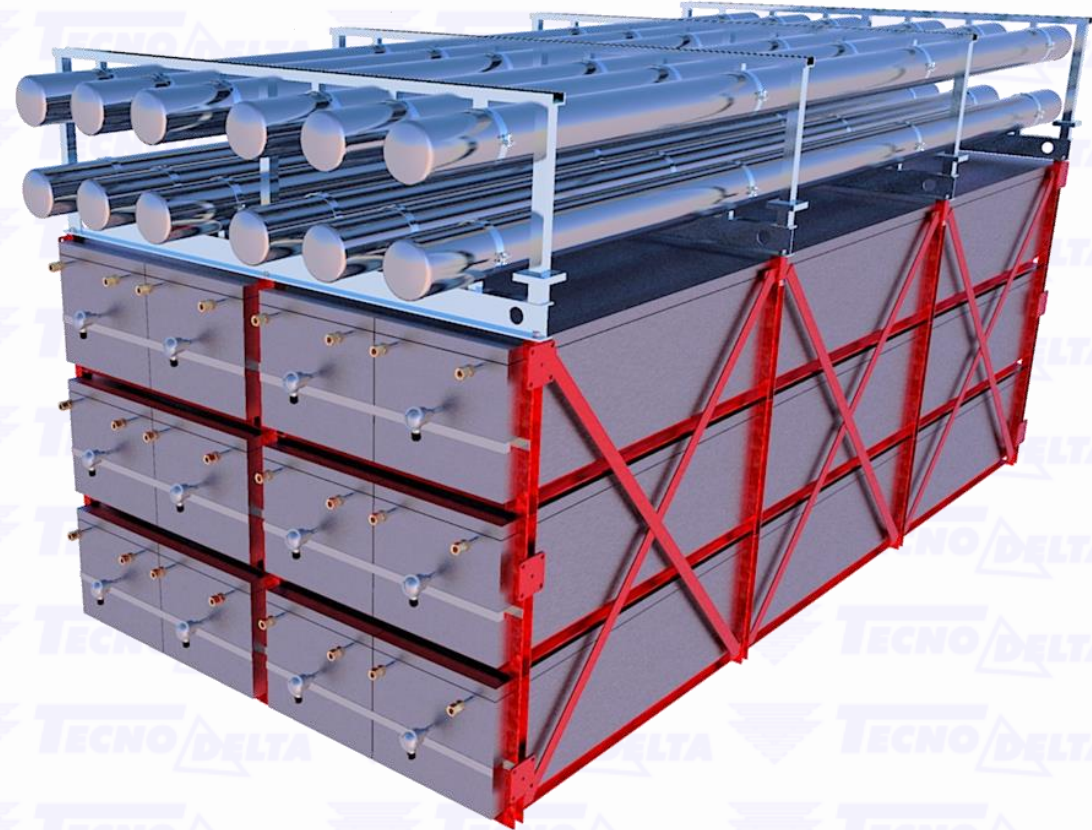
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Hydrogen projects since 2007



Hydrogen CARRIER for Renewable Energy Storage
2019



Metal Hydrides
Cylinder for H2
storage in solids.



H2FC

Coupled system with PEM Fuel Cell
& Metal Hydrides storage reactors.

H2

HYSYVISION

- Hydrogen storage cylinder with metal hydride

H2FC

- Integrated system with metal Hydride storage and 1 KW fuel cell

FA-H2FC

- Use of metal hydride storage on luxury boat

SSH2S

- APU for truck with complex hydride storage and HT fuel cell

STERIN

- Energy storage from renewable sources: technical-economic comparison between existing technologies

HY CARE

- Hydrogen carriers for stationary storage of excess renewable energy

CLEAN DRONHY

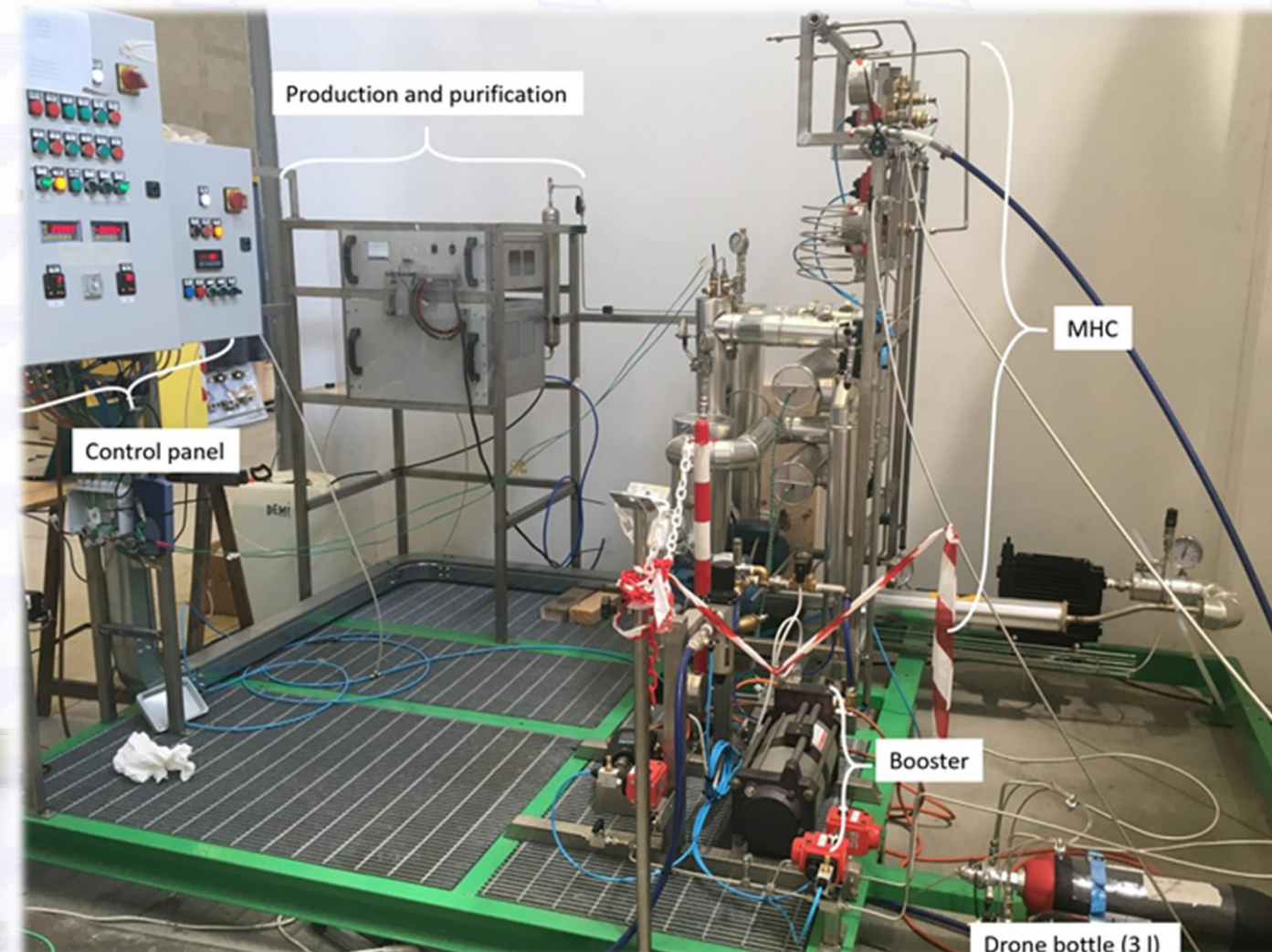
- Hydrogen drone with refuelling station



Clean Dronhy
2017



Hydrogen-powered drone



Metal Hydrides Hydrogen compression system

Metal Hydrides reactors



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EU co-funded

Regional Co-funded

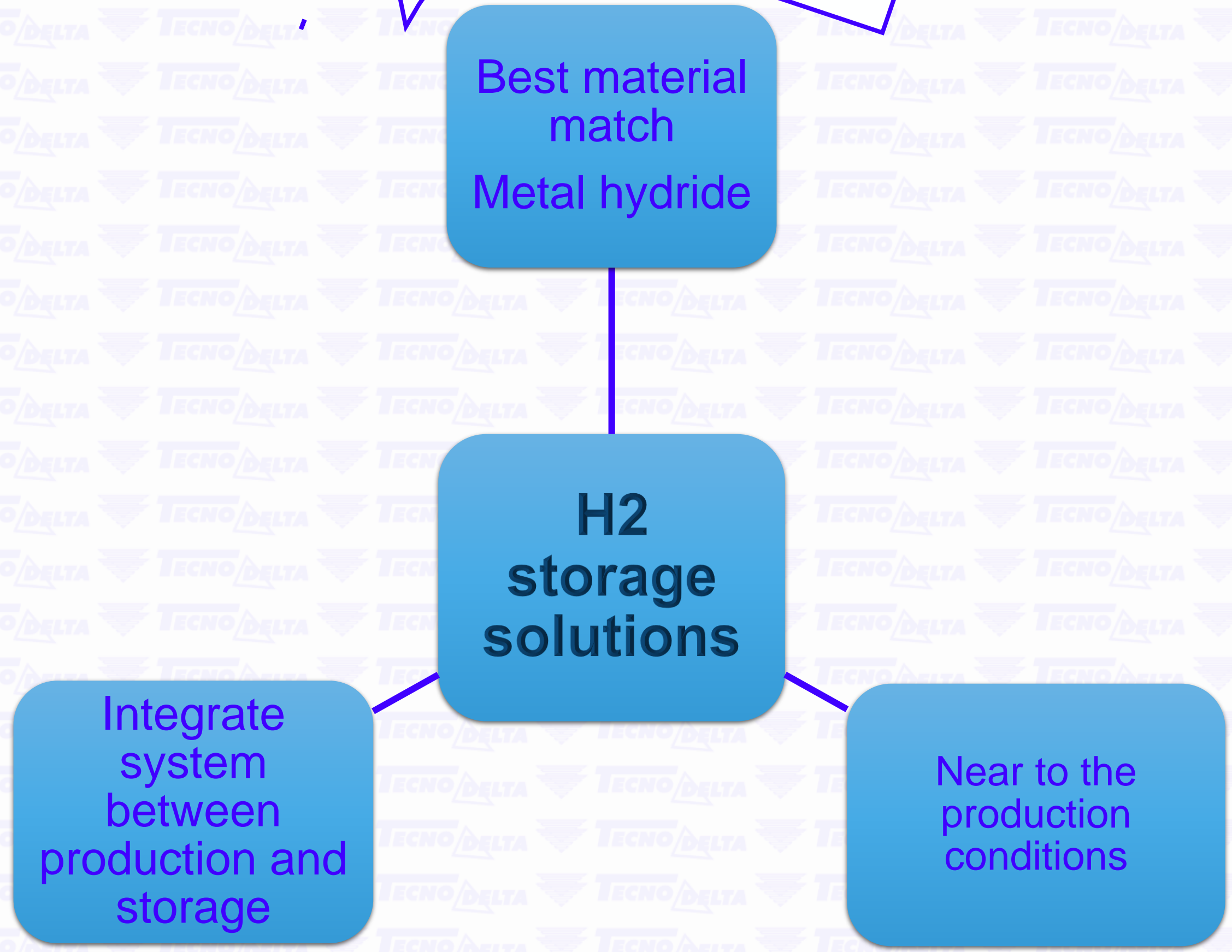


What are we looking for

Collaboration & Projects

Cooperation to promote a production chain

Customers with specific needs



We Want You!

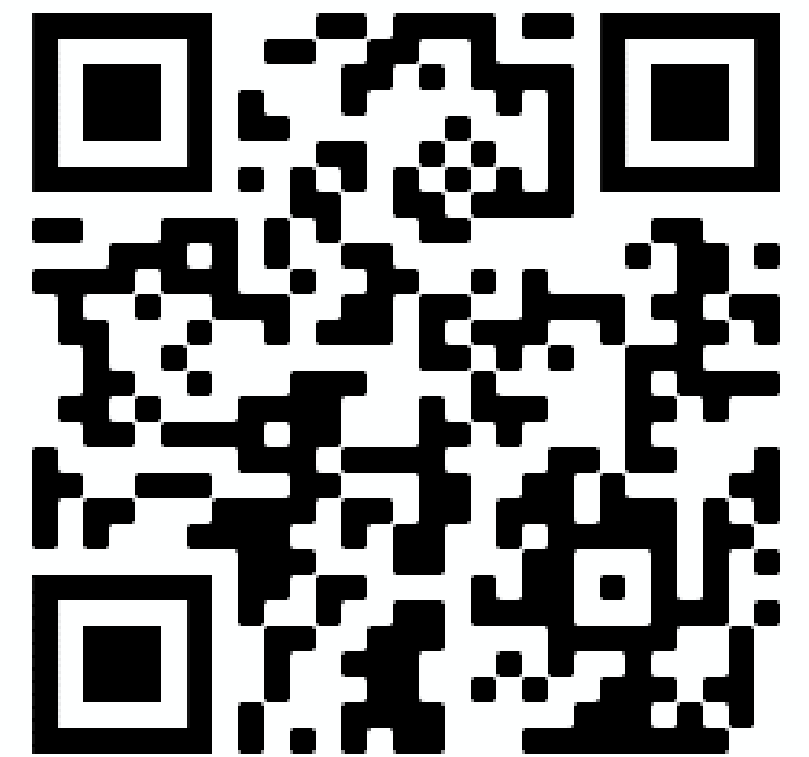
Let's meet up at the B2B table



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