



Transport accounts for 30% of the world's GHG emissions. It is the driving sector for the hydrogen industry

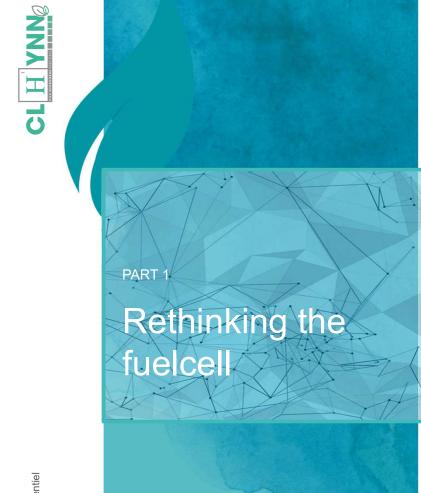
Europe: launch of **HORIZON** program



France. Strategic sector of the "Plan France 2030". 9 Bn€ investments.



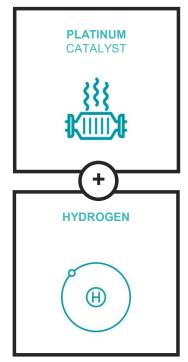
Evolution of the number of FCEVs (fuel cell vehicles) in the world. page 2



The problems and constraints of the hydrogen sector are numerous.

- Costs
- · Geo-strategic dependence
- Sustainability and environmental compliance
- · Practical and logistical aspects
- Regulations

Failure to provide solutions to industry will prevent the automotive sector from making its green revolution.



Platinum is traded at €30,000 per kilo (more expensive than gold)

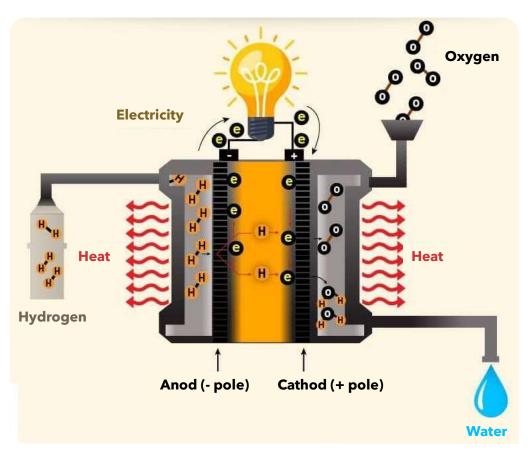
It is a scarce resource (13,000t worldwide), which results in a poor ecological footprint and geo-strategic dependence (South Africa 80%, Russia 10%)

95% of its origin is carbonbased to date.

Hydrogen requires expensive high-pressure tanks to manufacture, the deployment of infrastructure and stations, and is subject to strict regulations to enforce high safety standards.

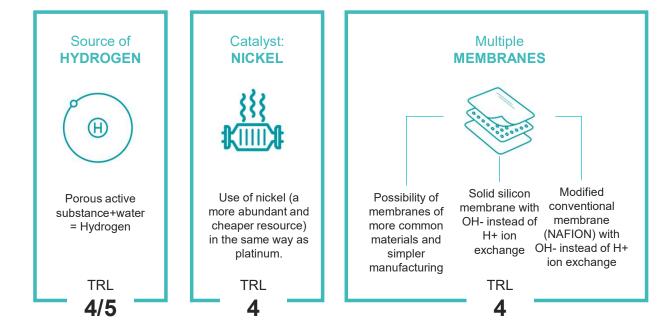


Reinventing the fuelcell Presentation of the functioning of a "traditional" fuelcell





15 years of R&D, and a reversal of operation to become a game changer in fuel cells, by integrating 3 major innovations.



All international patents and know-how belong to CLHYNN since October 2022



Economical

1000 times cheaper catalyst than platinum, without onerous storage to hold the pressure















of classical hydrogen tanks.

Technological compatibility

With our membranes, potential use

Geostrategic

No risk of supply disruption compared to platinum, neither contextual, nor structural.

Time to market

No need to wait for infrastructure to be created, accelerated adoption

Practical

30 à 300% more autonomous than a same tank volume, quick replacement of the recharge





Jean-Patrick
CORSO
CEO
Business Development

and partner relations



Entrepreneur, large projects up to 500 M€ in the automotive, connectivity and energy sectors, former CEO of SME (large export), turnover 5 M€.

> www.linkedin.com /in/jean-patrickcorso-74a22b4b



Bernard
GAUTHIER-MANUEL
CSO

Technical validation and skills transfer

Profile

CNRS researcher, electrochemistry expert, 64 publications and 8 patents filed, inventor of the 3 patents held by CHLYNN

> www.linkedin.com/in/ bernard-gauthiermanuel-9536a19a



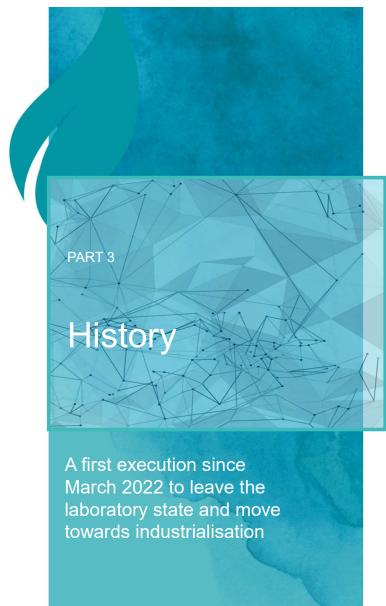
Régis PANOZZO CTO

Technical & manufacturing follow-up, design to cost

Profile

Experienced product and process engineer, fuel cell specialist

www.linkedin.com /in/regis-panozzo



SINCE MARCH 2022



Marks of interest validated with intralogistics and automotive players

4 offers France & Europe Network activation via European business delegation and trade fair participation + potential agents Japan/Belgium/Luxembourg



Acquisition of patents from SATT after IP audit



4 recruitments (2 doctors+2 engineers)

3 profiles identified for positions to be opened



X30 à X100= Power density performance

Structuring of the production tool (premises + first equipment)

Supply chain structuring (sourcing & identifications of partners, semi-finished - H2)



45k€ (1° fundraising (love money – reinforcement of initial capital)

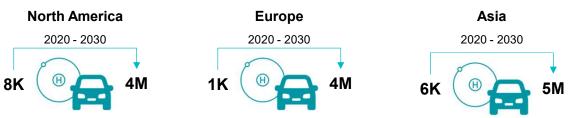
325 K€ (industrial contribution - valuation of IP post transfer agreement)

950k€ financial support: « Presta Inno », « Bourse French Tech Emergence », « ADD »

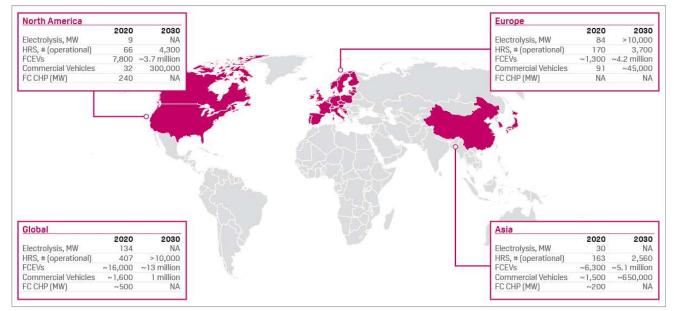
Preparation of next fundraising

Upto date: 850k€ sécured with 2 private industrial investors



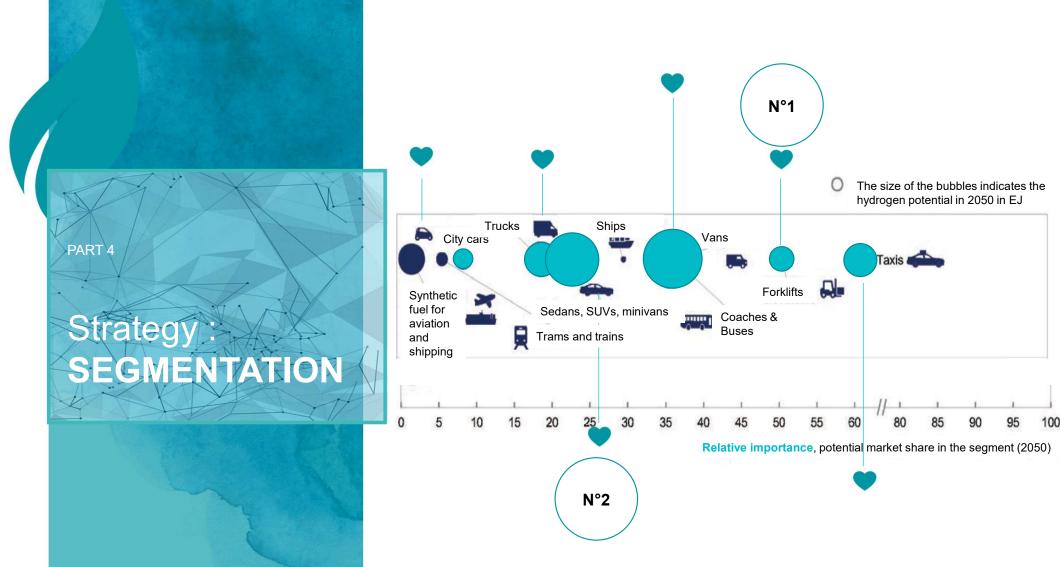


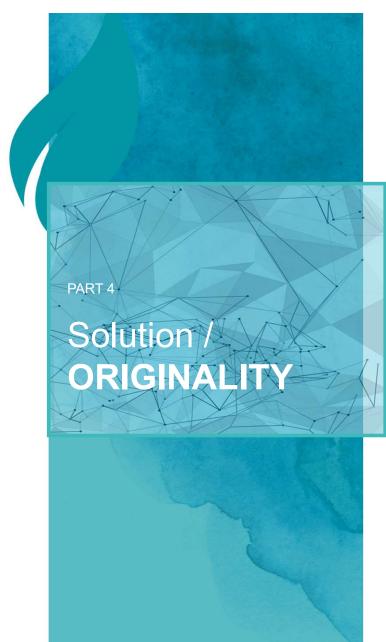
HYDROGEN DEPLOYMENTS 2020 vs 2030 OUTLOOK



Note: HRS = Hydrogen Refueling Station, FC CHP = Fuel Cell Combined Heat and Power Source: Hydrogen Council, based on input from IEA, H2Stations.org, Web, and government targets







Competitors **CHLYNN's disruptive** technology approach PLUG P creates 3 major SFC competitive advantages to SYMBIO position the company as a game changer and future BALLARD *⊠* GENCELL industry leader. Intelligent Energy SOFC, PCFC, MCFC, **Technology PEMFC SOLID ANIONIC** PAFC, DMFC, AFC Liquid electrolyte, Solid Solid Ease of use high temperature, Low T°C Low T°C toxicity (methanol) Platinum Nickel Availability Depending on techno. Membrane: Nafion Multi membranes Integrated Yes No No Source **VAST MAJORITY**

OF FUELCELLS

