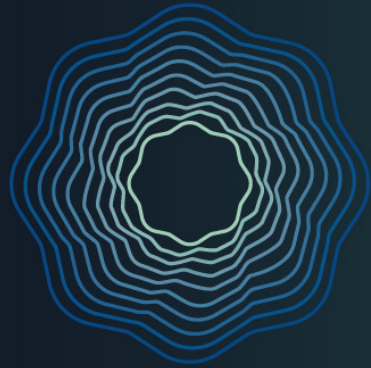




Technology and solutions for a digital and sustainable world



HYTER
NEW ENERGY ROUTES



WE ARE
HYTER

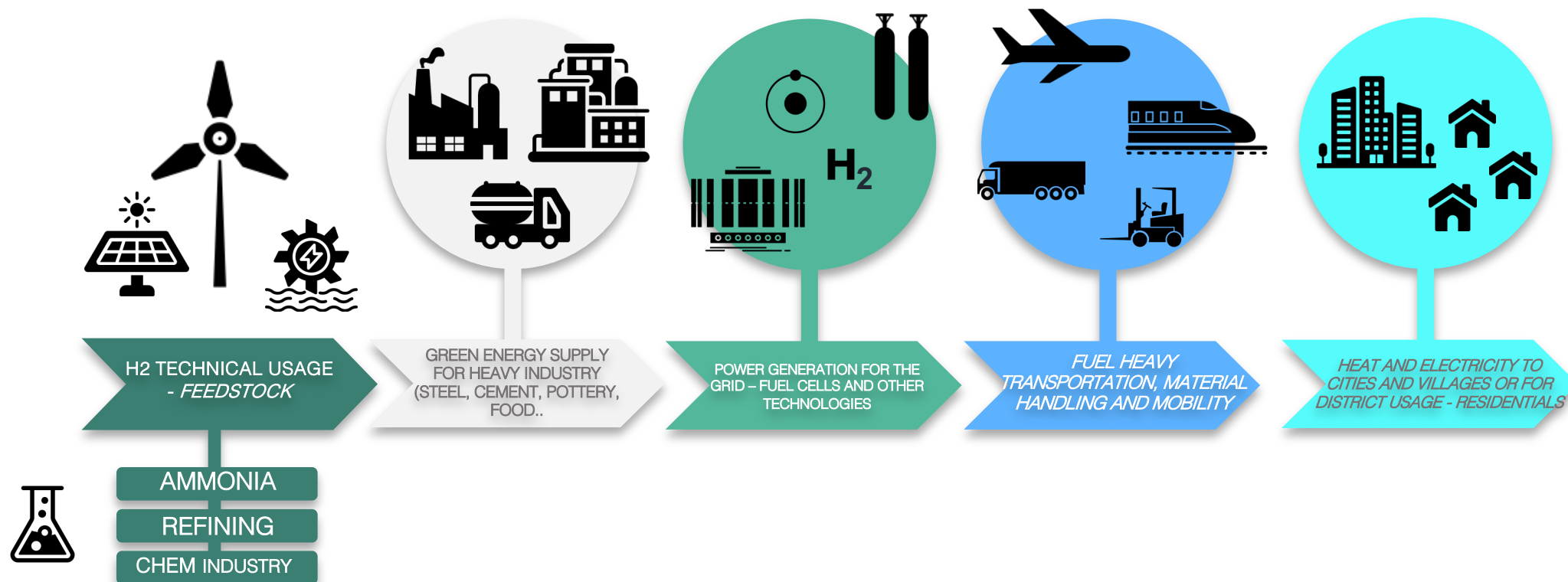




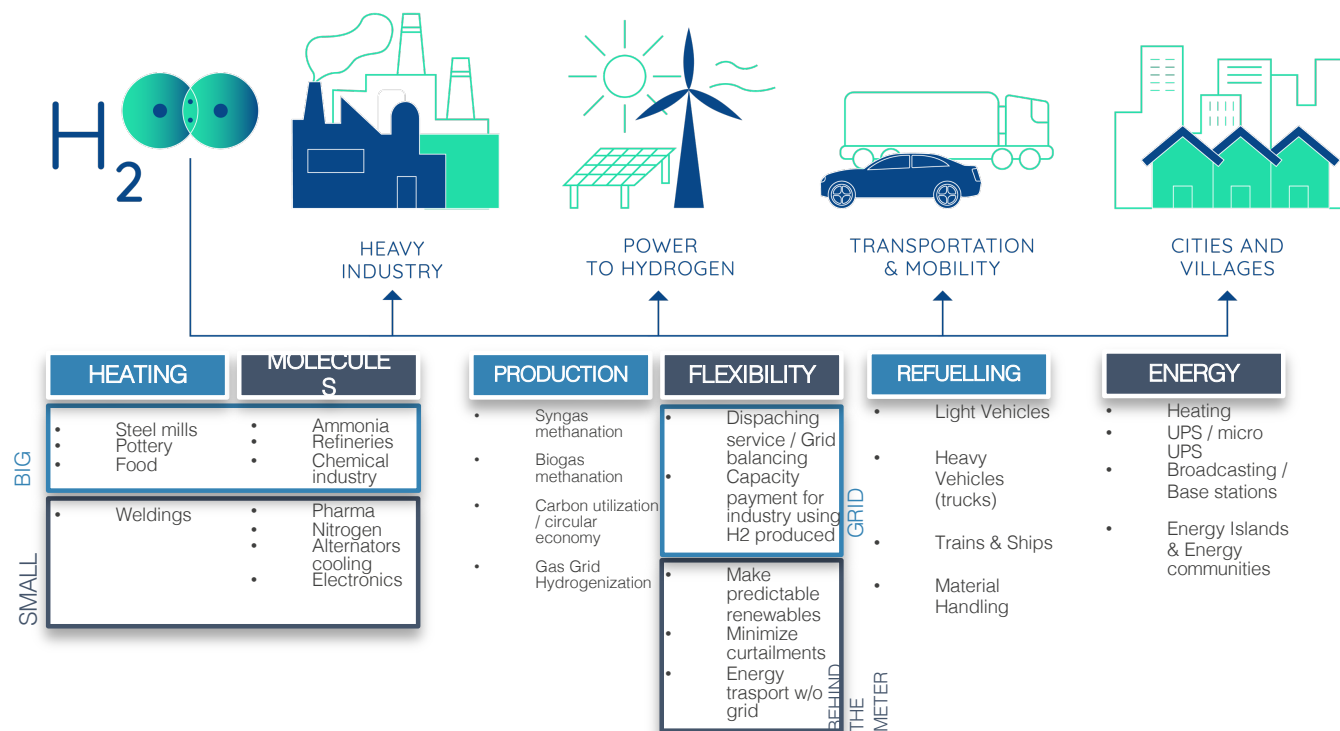
1

Our value
proposition
Green Energy
Supply

Scope of Hydrogen



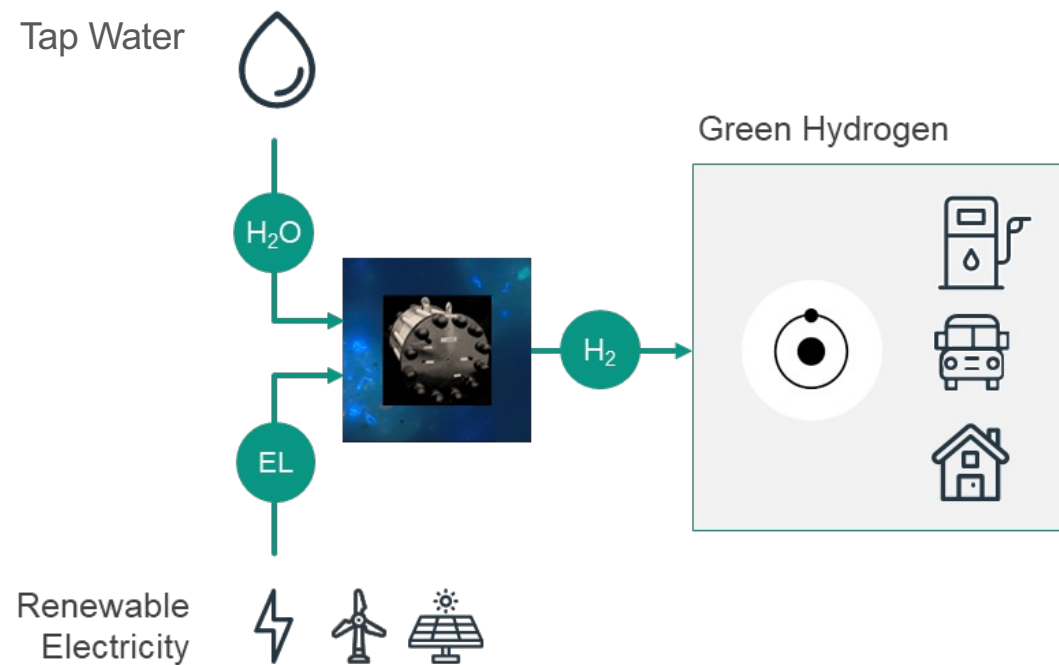
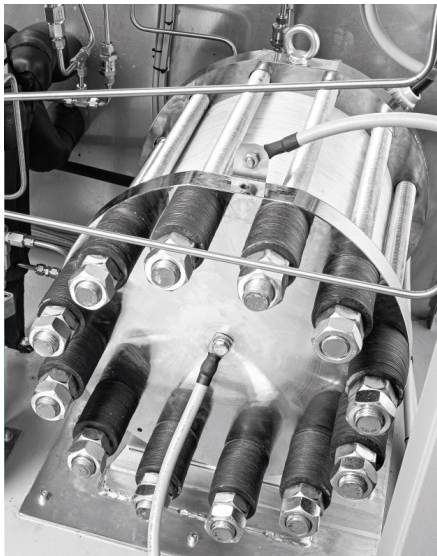
Hydrogen Final Use



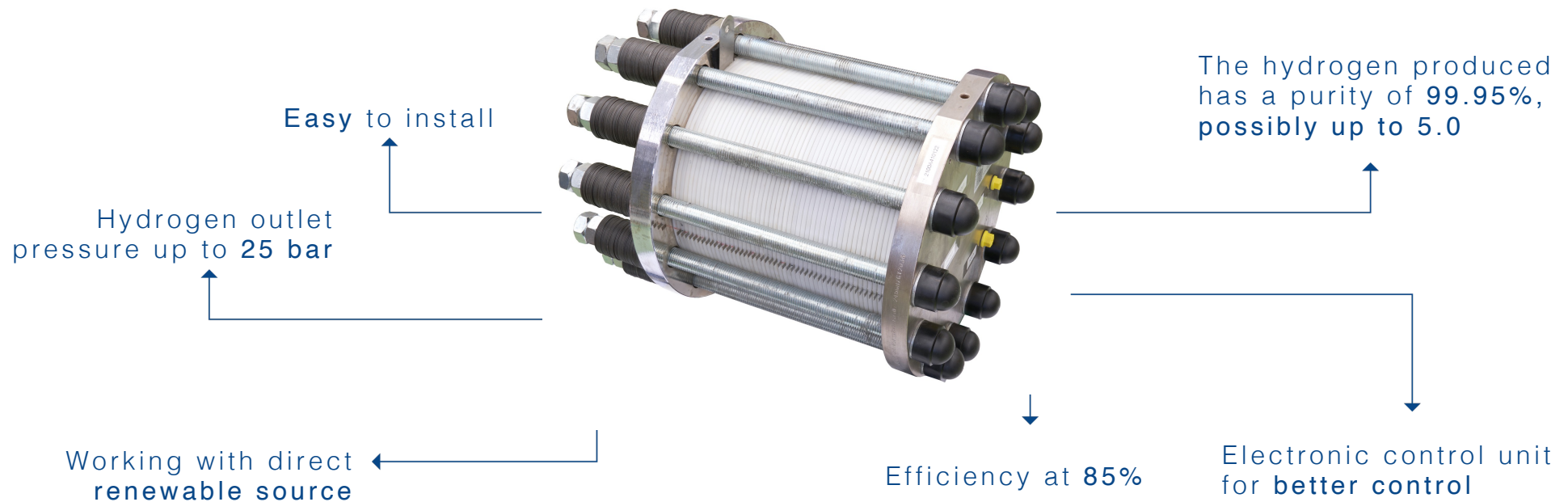
2

Our solution

How it works – Anionic Exchange



Advantages



Accelerating the Growth



10 kW Module

Consolidation of Quality level

New Production Line

Test bench in development to monitor the product **Ready to Market**



1-2 MW Module

R&D team already working on potential solution

Modular solution (250 kW)

Innovative Design

Time to Market – 2H 2022



Operations






Expansion of production facilities 750 m3

Layout review and structured quality control

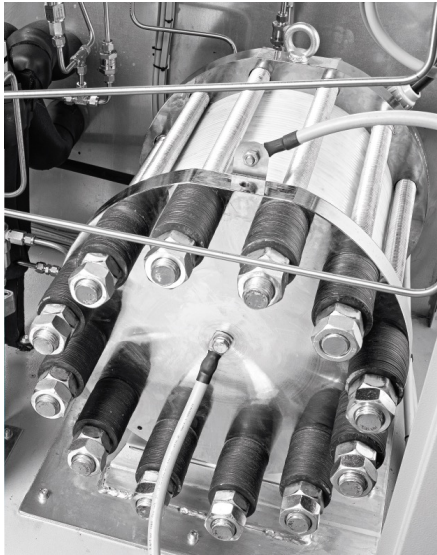
Upgrading of technical equipment

New Chemical LAB

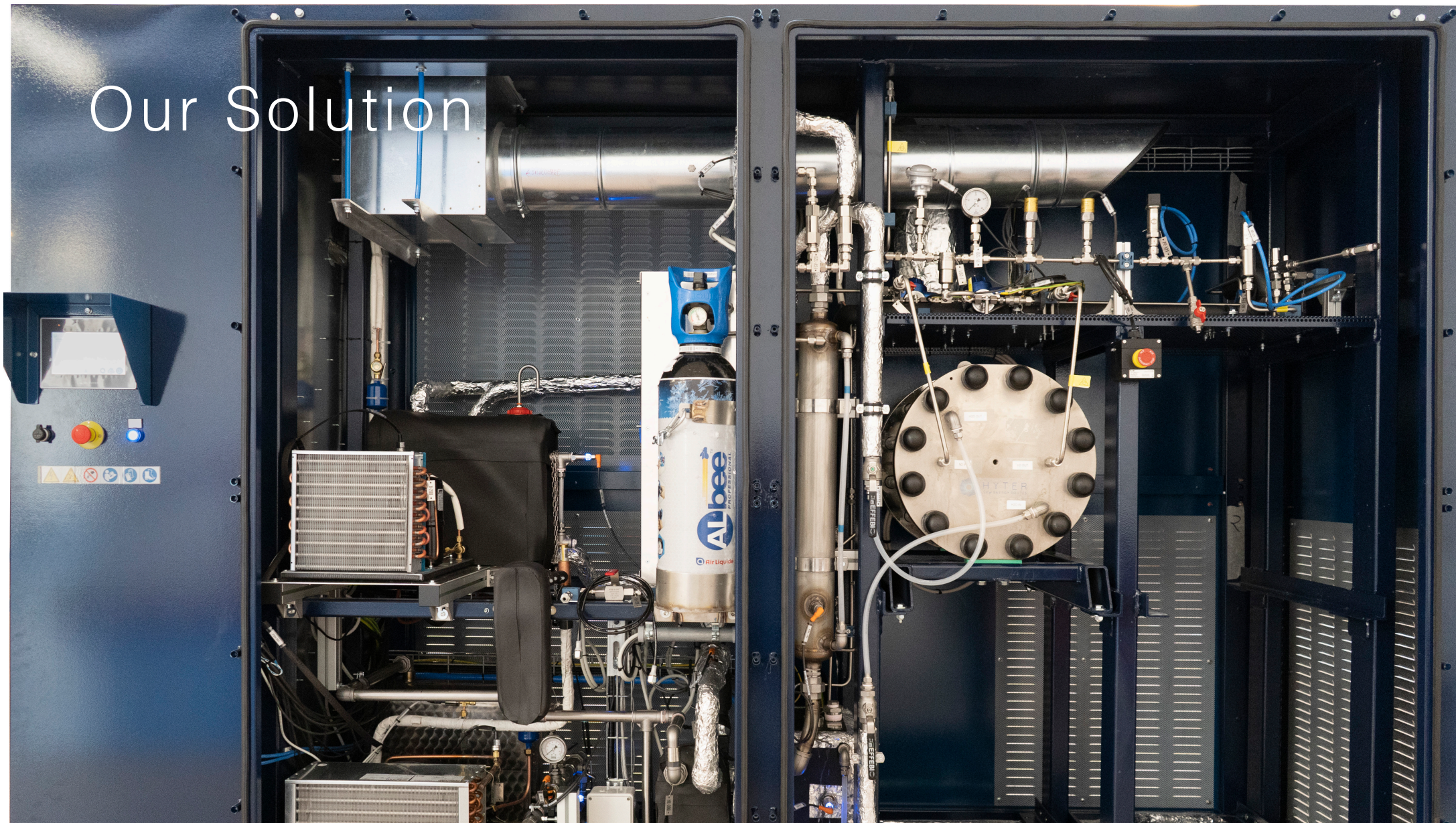
Solutions Portfolio

					APPLICATIONS			
	size	architecture	main features	Time 2 Market	 TRANSPORTATION & MOBILITY	 POWER TO HYDROGEN	 HEAVY INDUSTRY	 CITIES AND VILLAGES
SMALL- MID SCALE ELECTROLYZER	UP TO 200kW	1 to 20 STACKS (10KW) in parallel	<ul style="list-style-type: none"> • Few Rare Metals • Efficiency 85% • up to 25 bar output pressure 	READY TO MARKET	Ready for Hydrogen Refuelling Stations (HRS) integrating a Purifyier (to 99,999% purity) and compressor (350-700 bar)	Ideal for Renewable Energy producers – H2 allows to stock over production	Localized production of H2 to green industrial processes through Blending or Full Hydrogen Systems – for Heavy Industry	Residential Applications for Heating and Power supply (combined with Solar Panels and Fuel Cell)
LARGE SCALE ELECTROLYZER	UPTO 2MW	Multiple Stacks in Parallel (80 or 250 kW)	<ul style="list-style-type: none"> • H₂ Purity 99.95% • 3% of electrolyte • Process water: demi water 	2023	10 kw = 4,6kg/day	Ready for Companies that have Solar Panels installed (maximize ROI)		

Our Solution



Our Solution



More Details



3

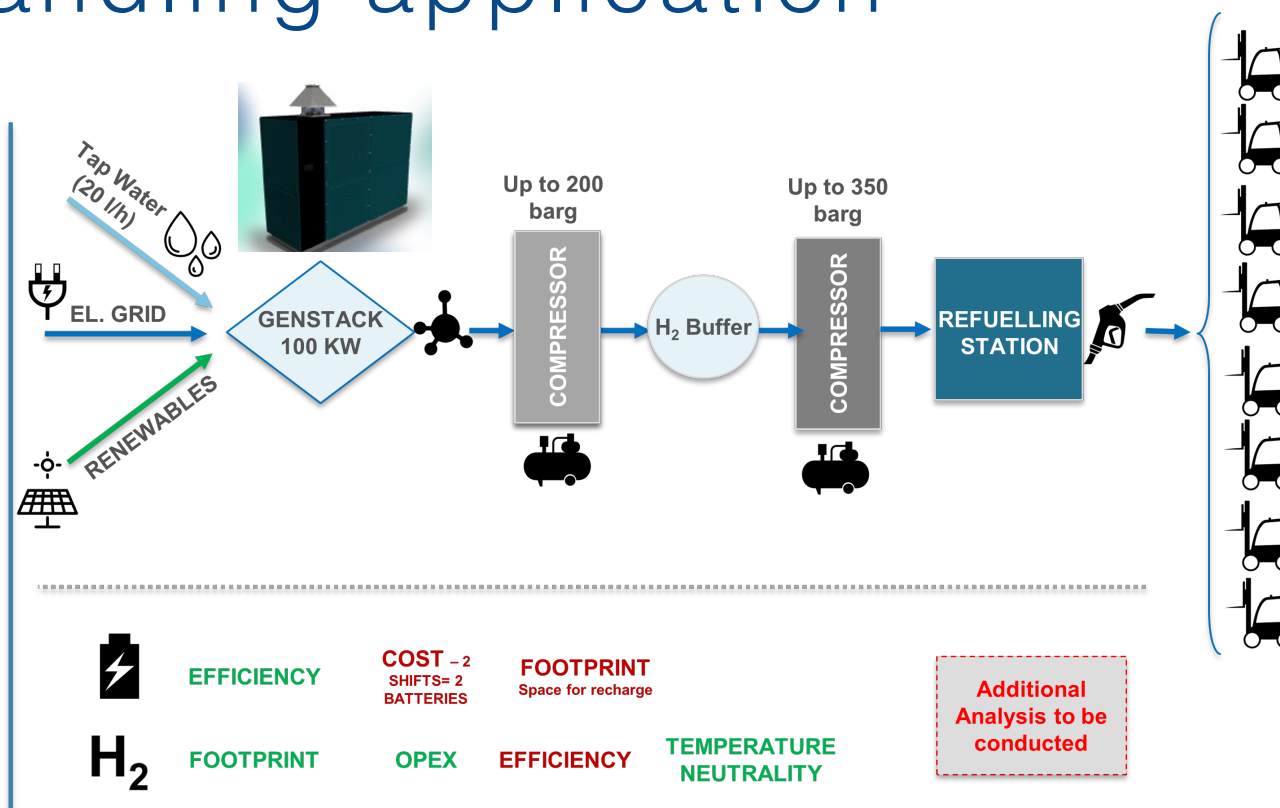
Applications

Material Handling application

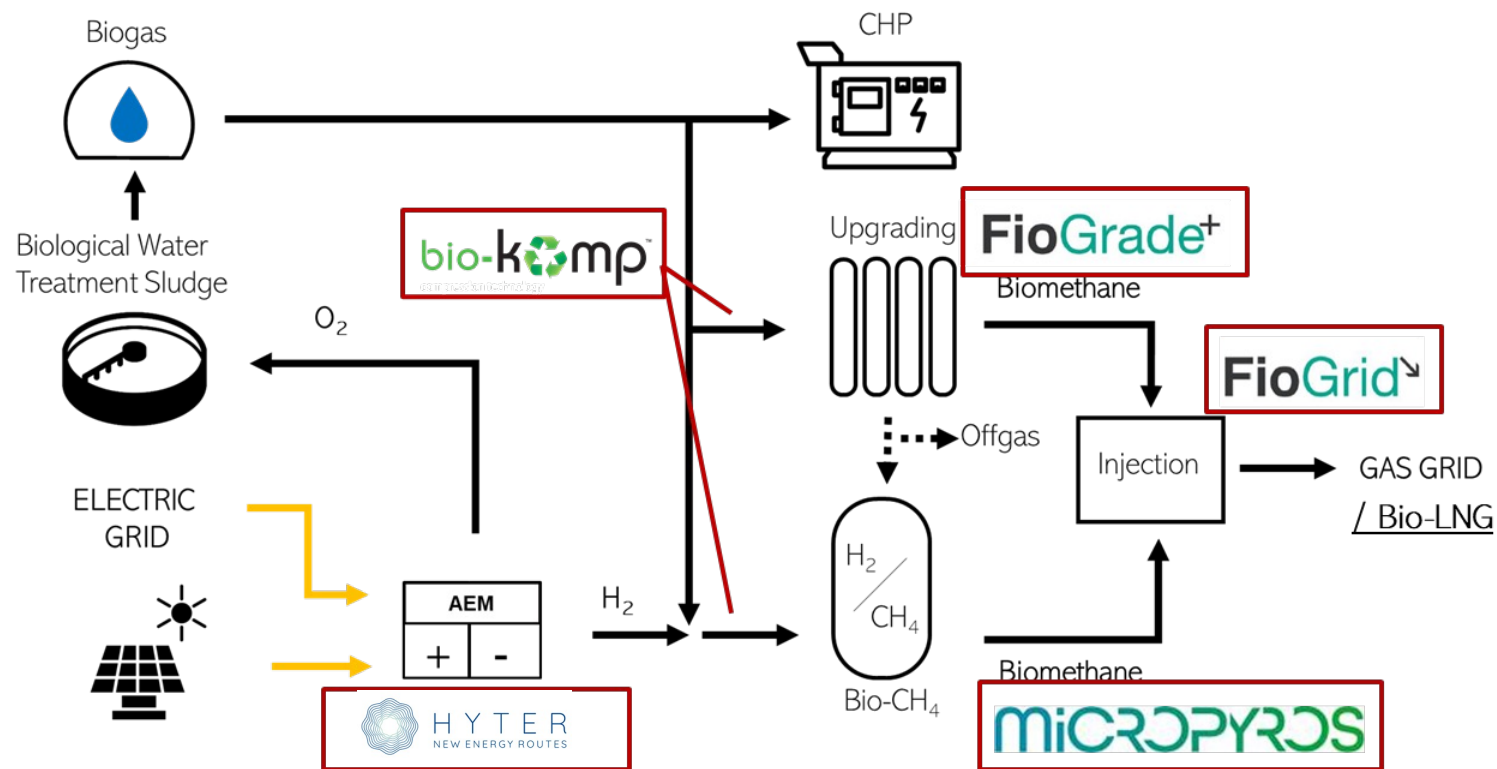
Assumptions

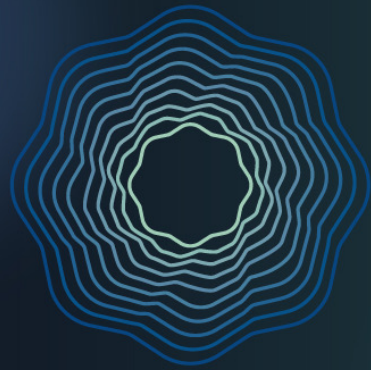
General:

- Autonomia Muletto El: 8h
- Autonomia H₂: 5h con 2 kg H₂
- Elettrol. 100 KW sostiene 8 muletti su 3 turni (20 m³/h)
- Rendimento Genstack: 70%
- Rendimento Value Proposition H₂ totale: 30%
- Rendimento VP Litio: 90%
- Rendimento VP Piombo: 50%
- Costo El: 140€/MWh



Solution for Power 2 Gas





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THANK YOU