



[www.stor-h.com](http://www.stor-h.com)



Series B Fundraising  
€50m Equity

**Safe, green hydrogen  
anywhere,  
anytime**

New energy standard for green  
Urban mobility

September 2022



**Our mission is to bring smart,  
portable, Green Hydrogen power  
within reach of every urban rider**

[www.stor-h.com](http://www.stor-h.com)

**Our vision**  
**Safe, green hydrogen  
anywhere, anytime**

**STOR-H - New energy standard for  
green Urban mobility**

# STOR-H by the numbers

**Founded in 2017 based on a Low-Pressure Hydrogen Storage technology developed by AAQIUS, its parent company**

- ❖ **AAQIUS Pedigree - Automotive Technologies Success Stories since 2006**
- ❖ **100 million vehicles on-the-road with one or more of AAQIUS low-CO<sub>2</sub> standards**
- ❖ **Over 24 M€ spent to date on R&D and commercialization of patented low-pressure hydrogen storage**
- ❖ **World Class Next-gen Low Pressure Hydrogen Storage Development Team (\*)**
- ❖ **H<sub>2</sub> Storage Cartridge prototyping and field tests were finalised in 2019**
- ❖ **Partnerships established with 12 leading Light Mobility OEMs and Leaser Organizations**
- ❖ **155 Patents** (Includes patents and patent applications)  
Materials, Use and Process
- ❖ **Extensive Trade Secrets**  
Processes and Intellectual Property
- ❖ **Unrivaled Energy Cost of \$100/Kwh**

Round	M€	Date	Investors	Pre Money Valuation	Post Money Valuation
Seed Round	16 M€	2014-2019	Aaqius		
Round 1 (Series A)	8 M€	July 17, 2020	Aaqius Swiss Family Office	83,585,387 €	91,585,387 €
Convertible Bridge	6.4M€	Oct 31, 2022	PowerChina	93,600,000 €	100,000,000 €
Round 2 (Series B)	50M€	Dec 31, 2022	VC and PE Funds	100,000,000 €	150,000,000 €

(\*) By the end of 2021, Payroll and Operations were scaled down due to an unforeseen funding delays

# Pedigree - STOR-H was founded by serial entrepreneurs with 15-year track record of creating low-CO<sub>2</sub> standards & innovations

## Automotive Technologies - Success Stories since 2006

- + 3 global automotive technology standards created to-date in thermal engines & emissions control – **DPF** (Diesel Particulate Filter), **SCR** (Selective Catalytic Reduction) adblue, solid low-pressure injection
- + 100 million vehicles on-the-road with one or more of our low-CO<sub>2</sub> standards

## Hydrogen Storage

- + Creation of STOR-H Technologies in 2017 to deploy our new hydrogen storage standard for green mobility

## Natural Hydrogen resource

- + Creation of HYNAT, dedicated to the research, exploration and production of natural hydrogen

## Hydrogen Fuel Cell

- + Development of our new Fuel Cell family standard from 200W to 10Kw for green light mobility



From emissions control (DPF, SCR)

to hydrogen storage & fuel cells



## Founders



Stéphane Aver



Dr. Jean Baptiste  
Dementhon

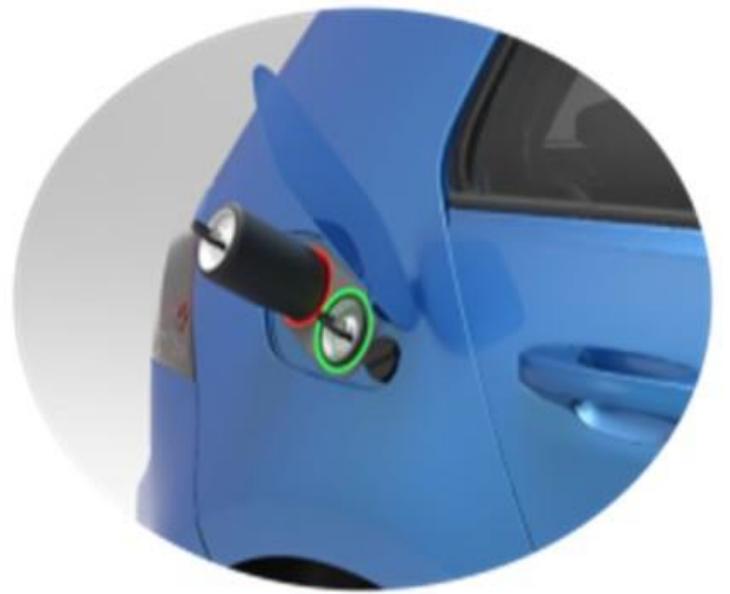


Michael F. Levy

Chairman & CEO Paris  
I (Asset Management, & Platforms  
Bank & Money  
Market)  
Former VP Technology  
INSEAD (MBA)/UCLA  
PhD in Physics

VP – Research & Innovation  
INSEAD (MBA)/UCLA  
(MSEE)/MIT (BS Physics)

# AAQIUS track record : the SCR success story



AAQIUS



BLUE TDI



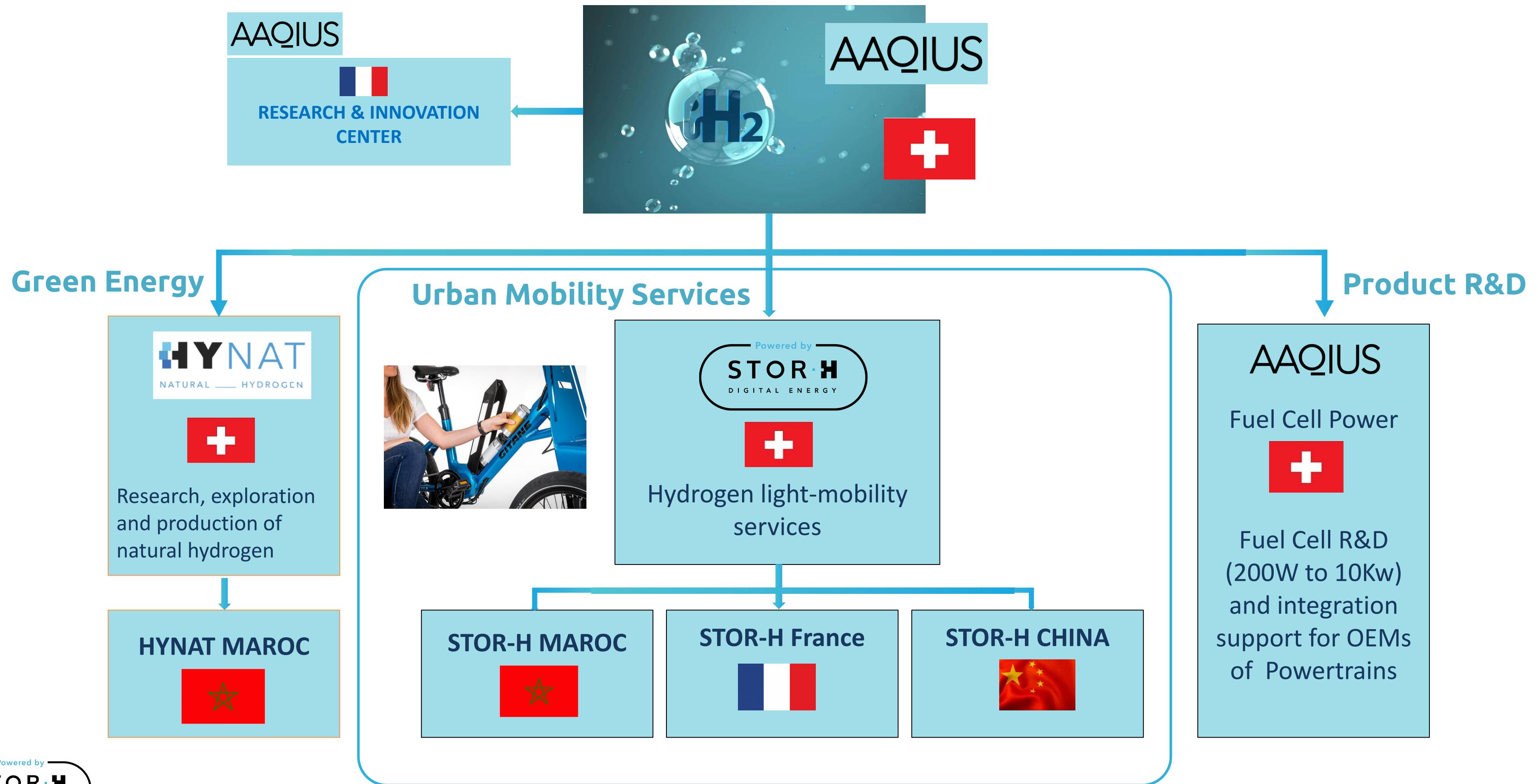
TRL9  
1<sup>er</sup> SOP 2008

Adblue SCR management system



[www.aaqius.com](http://www.aaqius.com)

# AAQIUS Organization



# STOR-H - The ultimate Zero Carbon Emission solution for urban mobility



- Urban mobility creates 15% of the total transportation CO<sub>2</sub>
  - 2030-35: Internal Combustion Engines (ICEs) banned from cities
  - "C40 Fossil-Fuel-Free Streets Declaration"
- Li-Ion Battery electric mobility is the current solution
- 200M e-vehicles (based on Li-Ion Battery technology) on-the-road in 2022, but Li-Ion battery:
  - is not user-friendly
  - is not safe
  - is not ecological (disposal)
  - is expensive
  - and it relies on intrusive recharging infrastructure
- STOR-H unique solid hydrogen storage cartridge and its ecosystem is the ultimate solution for Light Urban Mobility:
  - ✓ **It is practical, omnipresent anytime**
  - ✓ **It is easy, safe and affordable**

According to the **Alternative Fuels Data Center** (AFDC), a U.S. Department of Energy resource, 2.2 pounds (one kg) of hydrogen packs the same amount of energy as a gallon (6.2 pounds, 2.8 kgs) of gasoline



# STOR-H - a new standard for hydrogen storage

## Key unique selling points

- + Low CAPEX – non-intrusive distribution
- + No recharge time
- + Universal, plug & drive adapted to all light urban mobility markets
- + Easy to find, easy to use and handle, affordable

## Ecological & ethical design values

- + 100% safe: ultra-low pressure storage
- + 100% recyclable
- + Use of raw materials and components that respect ethical production values



- Green hydrogen stored in proprietary solid multi-material, multi-functional ultra-low pressure hydride matrix
- 155 patents protect this innovation worldwide





## A proprietary solid storage H<sub>2</sub> cartridge

- + 100% safe
- + 100% recyclable
- + 100% rechargeable

## An innovative cartridge distribution network

- + Low CAPEX, non-intrusive vending machines
- + Home chargers
- + Available 24/7

**STOR-H offers  
stress-free,  
hydrogen mobility  
as a service**



## An expanding "Powered by STOR-H" vehicle catalogue

- + 2, 3, 4 wheel vehicles
- + Multi-brand, constantly growing

## An "All-in-One" service including

- + Vehicle lease
- + Unlimited H<sub>2</sub> supply
- + Insurance
- + Maintenance & repairs

# Turning hydrogen into a ubiquitous fuel through a disruptive distribution system

**STOR-H Home Charger**

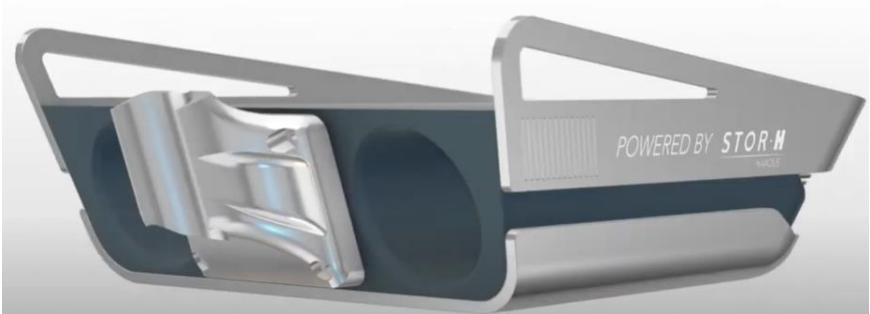


**STOR-H Vending Machine**



- + Low CAPEX, non-intrusive distribution
- + Unlimited range through a network of vending machines where empty cartridges are exchanged for full ones
- + One cartridge fits all “Powered by STOR-H” vehicles
- + Home chargers where users can refill cartridges at home/office
- + Safe, green hydrogen available anywhere, anytime

**Powertrain kit**  
Customized per vehicle model



# Customer-focused high usage value

## 1 Choose your vehicle



Choose your STOR-H Mobility vehicle.

Find the closest STOR-H vending machine to get your energy.

## 2 Book your energy



Choose the number of STOR-H cartridges you want to pick-up and/or return.

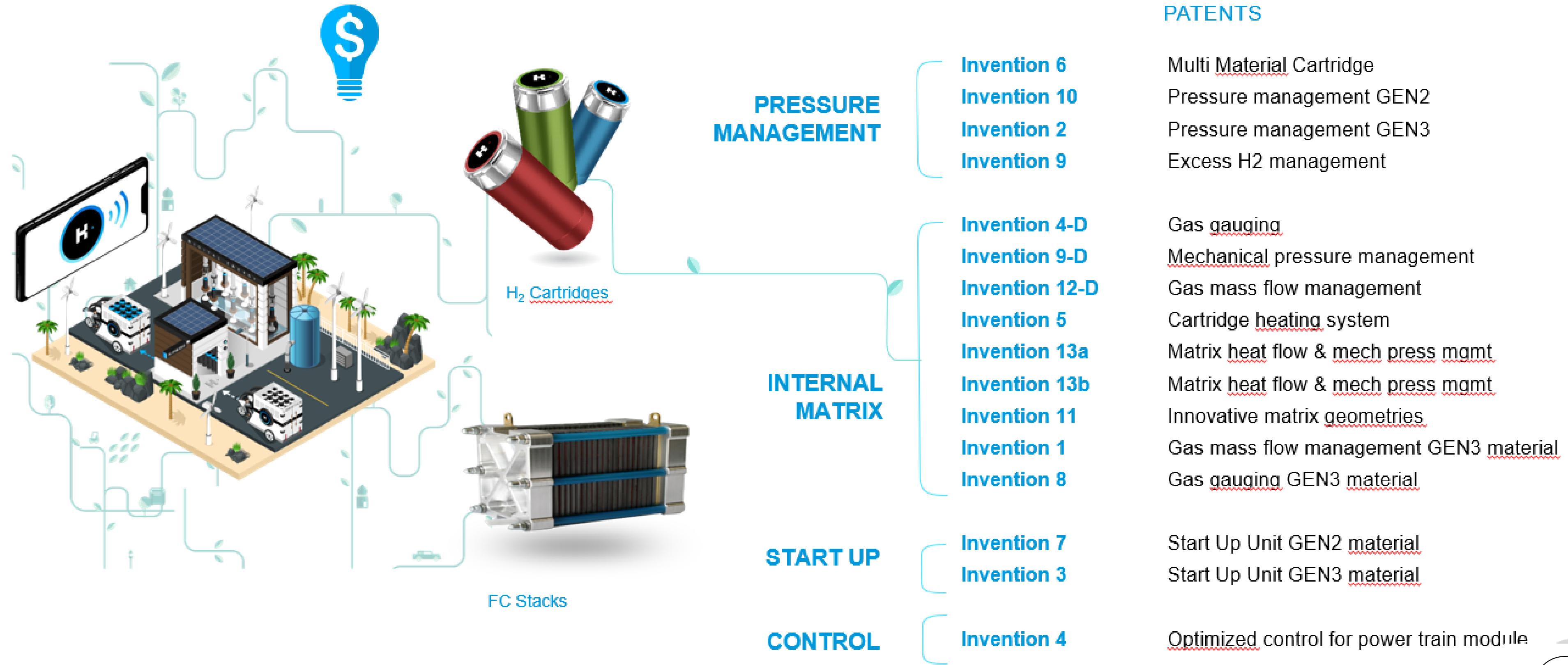
Your booking will be held for 1 hour and the STOR-H application will guide you to your STOR-H vending machine.

## 3 Pick-Up & Ride



In front of the machine simply present your phone and the order will be automatically delivered

# A Technological breakthrough protected by 155 patents Worldwide



# “Market Pain” and Value Proposition

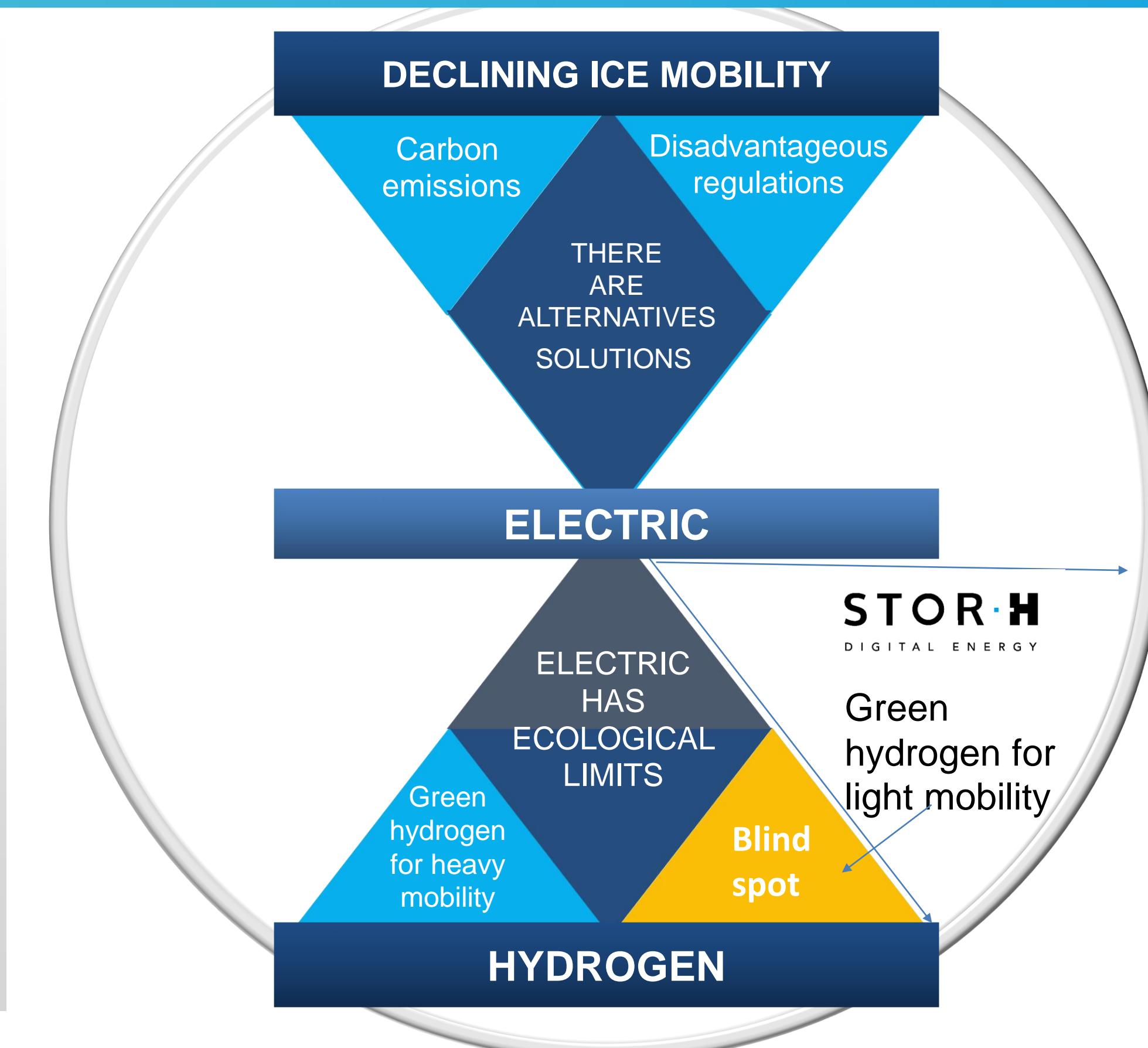
# STOR-H identified a Blind Spot in a market-in-transition

Internal combustion engine (ICE) mobility is declining due to increasingly stringent regulations on pollution emissions. The electrical transition is not a satisfactory solution due to the manufacture of batteries. The most ecological solution is based on green hydrogen.

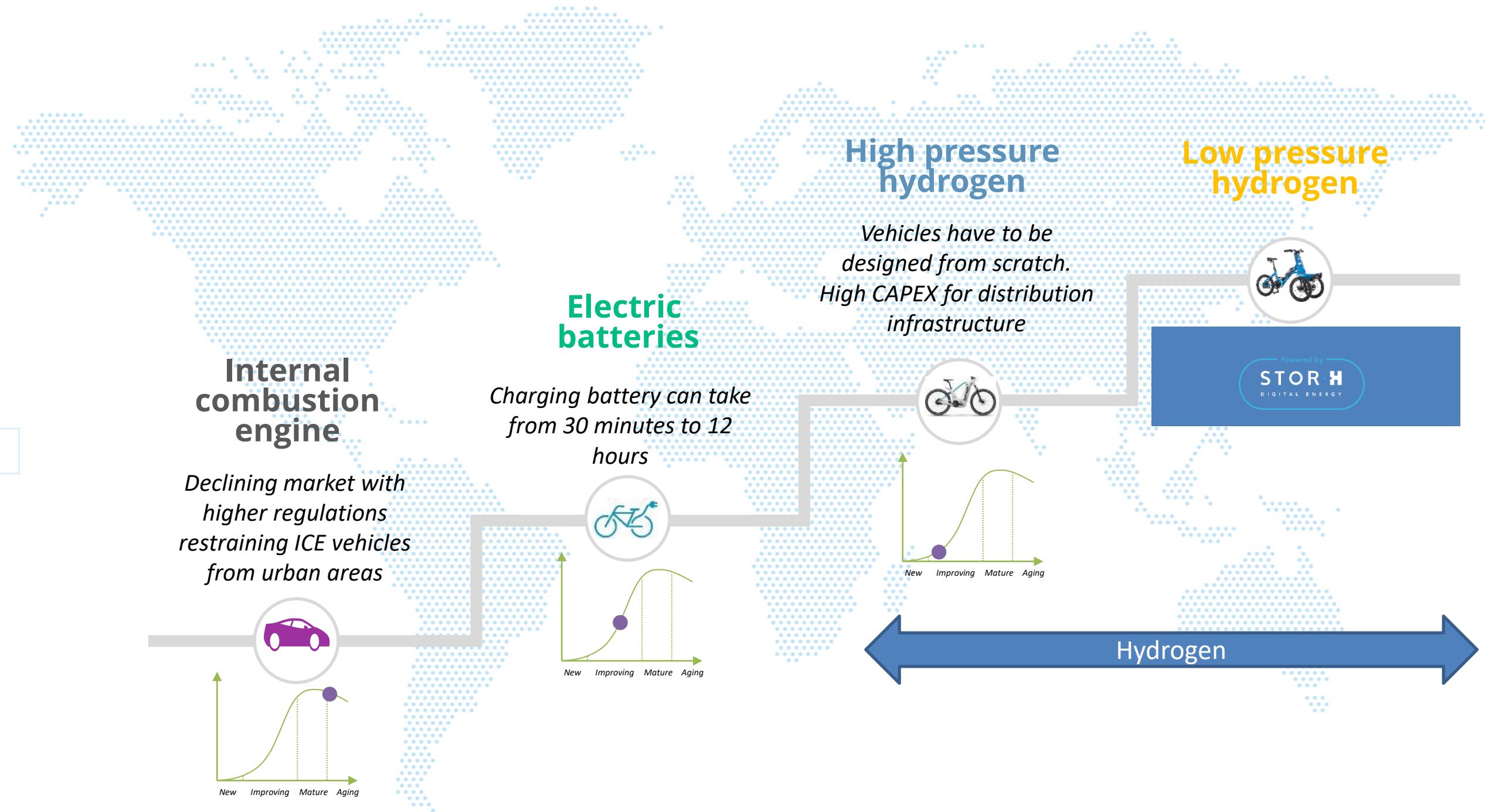
There is to-date a “blind spot” as hydrogen is only considered in terms of high-pressure storage and therefore in terms of heavy-duty mobility.

Hydrogen is facing a technological threshold because the high pressure is not suitable for light mobility. Only solid and low-pressure hydrogen can provide a real solution to light mobility.

STOR-H is the only technological solution for light urban mobility and is in a very favorable position to capture this market by taking advantage of this “blind spot”



# STOR-H - leveraging on unique advantages vs. current solutions



- Easy to deploy
- Excellent range
- Readily available
- Non-intrusive, low CAPEX infrastructure
- Plug & Drive
- Small environmental footprint
- Completely safe

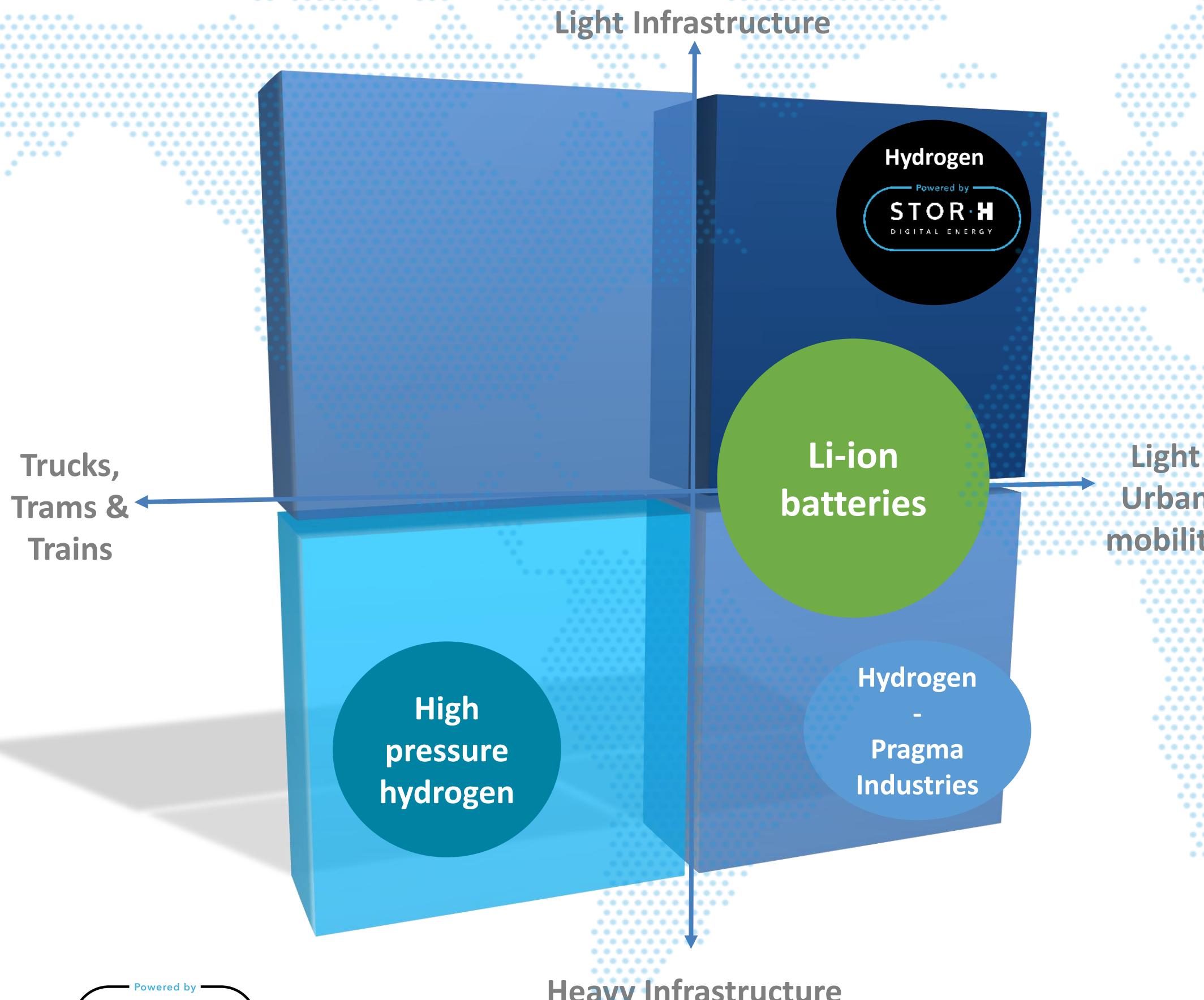
# ... all the while the urban mobility (e-bikes) market is exploding



- Worldwide, consumers incline toward the use of e-bikes as an eco-friendly & efficient solution for urban commute
- The rise in cost of fuel at international level, increase in pollution and traffic congestion especially in urban areas have increased the popularity of e-bikes across every continent.
- Moreover, the high running and maintenance cost of fuel vehicle leads to the shift in preference for e-bikes in daily commute, which in turn, propels the e-bikes' market growth

STOR-H benefits from this exploding market by positioning its mobility solution as the future power for every e-bike

# STOR-H - Competitive landscape for Green Light Urban Mobility



Technology mapping in competition	Infrastructure required	Adapted for urban mobility
Li-ion batteries	Charging infrastructures are facing challenges in urban centres	Good product range of existing light electric vehicles
Low pressure Hydrogen – STOR-H	Vending Machines are quick and easy to deploy	The energy standard for light urban mobility
HP Hydrogen - Pragma Industries	Requires high pressure hydrogen station	OEM of a patented bike powered with hydrogen
HP Hydrogen (350 – 700 bars) – e.g. Toyota Mirai	Requires a high pressure hydrogen station	No

# STOR-H business strategy developed in partnership with key OEMs



# STOR-H – Single cartridge form-factor powers all light urban mobility

## Cartridge Model

### STOR-H AX2 Gen1

## Weight

2,7 kg

## Volume

0,7 liters

## H<sub>2</sub> required

22 g

## Vehicles



80/100km per cartridge

For bikes or cargo equipped with 2 cartridges : 160/200 km

## Range

100 km

Equipped with 2  
cartridges/vehicle's  
weight > 100 kg

## Equivalent electrical energy stored

220Wh



### STOR-H AX2 Gen2

2,7 kg

0,7 liters

44 g



fully electrically powered vehicle



88/132 km

Equipped with 2 or 3  
cartridges/vehicle's weight  
> 200 kg

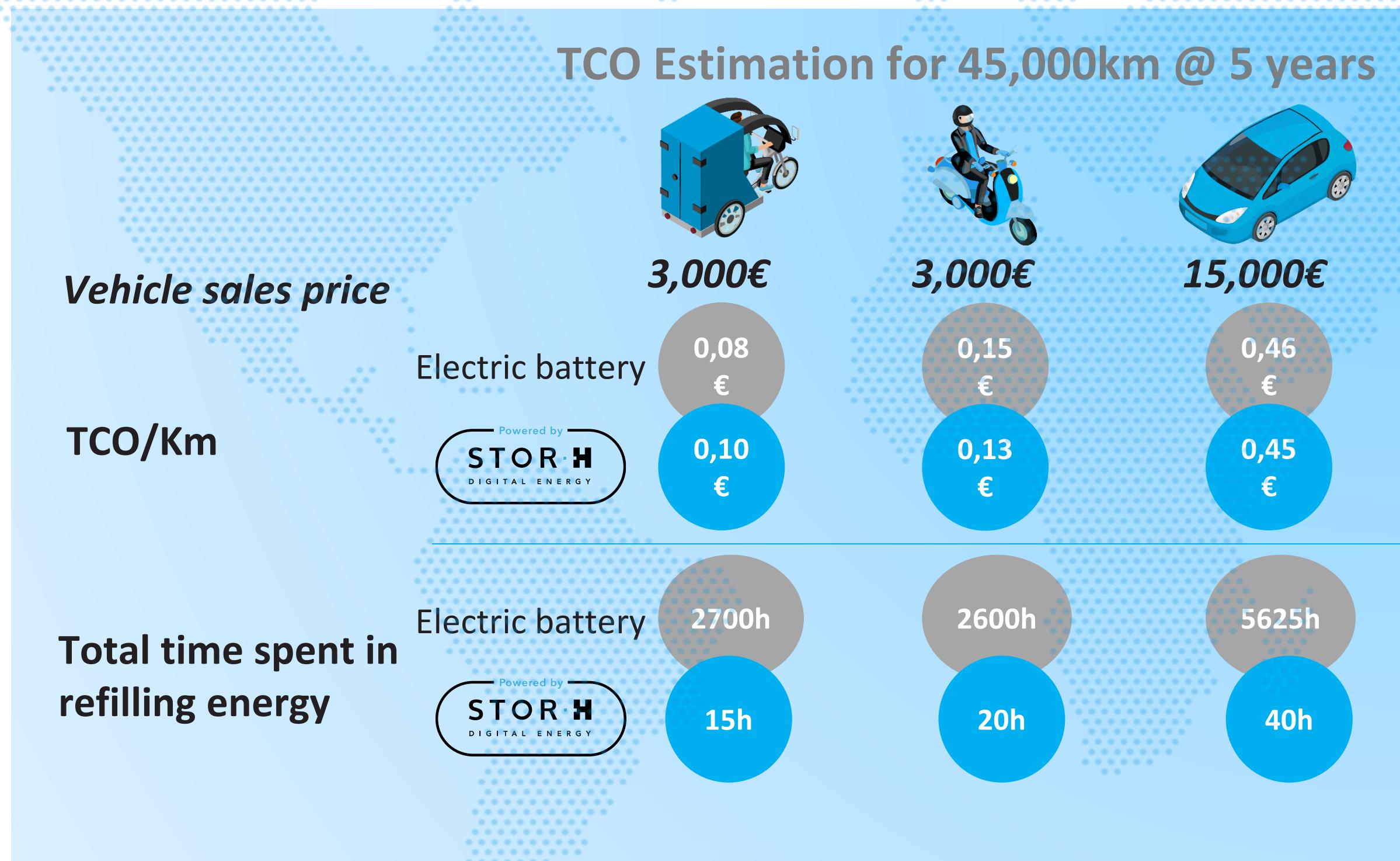
1,2KWh

100 km

Equipped with 4  
cartridges/vehicle's weight >  
500 kg

3KWh

# STOR-H - Total Cost of Ownership (TCO)

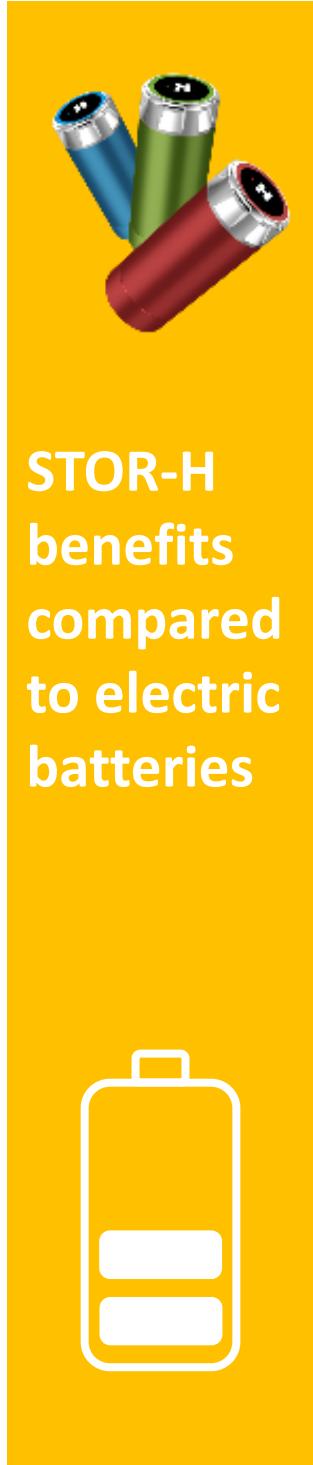


A Toyota Mirai or Hyundai Nexo consumes 10gr of hydrogen per km  
A Moblon scooter consumes 1gr/km  
A Cycleurope bicycle consumes 1g for about 4km

**STOR-H has equivalent TCO/Km to battery electric vehicles**

**With STOR-H you spend up to 100 times less to refill with energy**

# STOR-H – Competitive Benefits



## STOR-H benefits compared to electric batteries

Easy adaptation for OEM's to existing electric vehicle platforms by just replacing the battery with the STOR-H powertrain

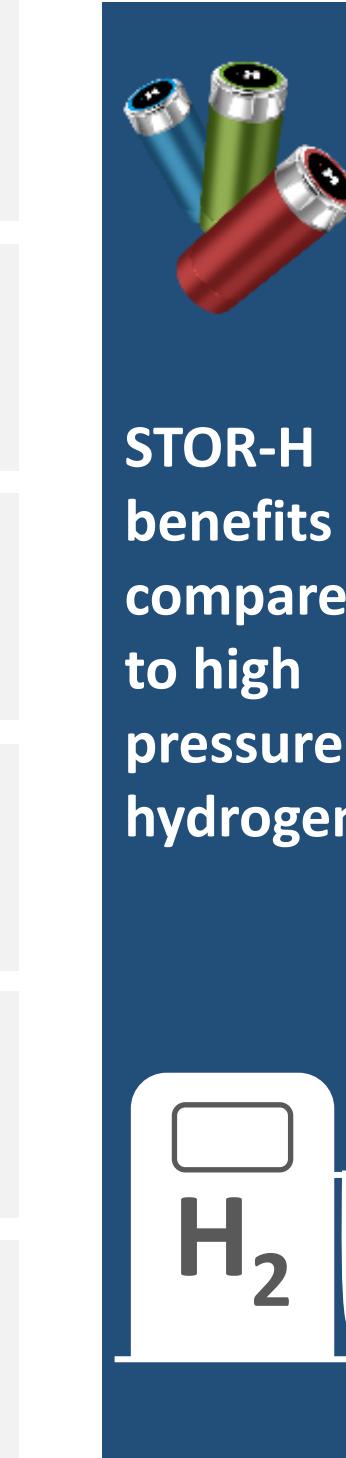
A cartridge stores 2 to 5 times more energy than a battery for the same volume

STOR-H distribution infrastructure is easy and quick to deploy

Instant swap vs. a long charging time for batteries  
30 sec for STOR-H cartridges vs 2hrs for batteries

Plug-and-drive STOR-H cartridges safer and easier to use than batteries

Small environmental footprint all along the STOR-H product life cycle



## STOR-H benefits compared to high pressure hydrogen

Easier integration of the STOR-H powertrain in the vehicle without the high-pressure tank that requires a large volume inside the vehicle

STOR-H hydrogen storage at very low pressures guarantees higher safety

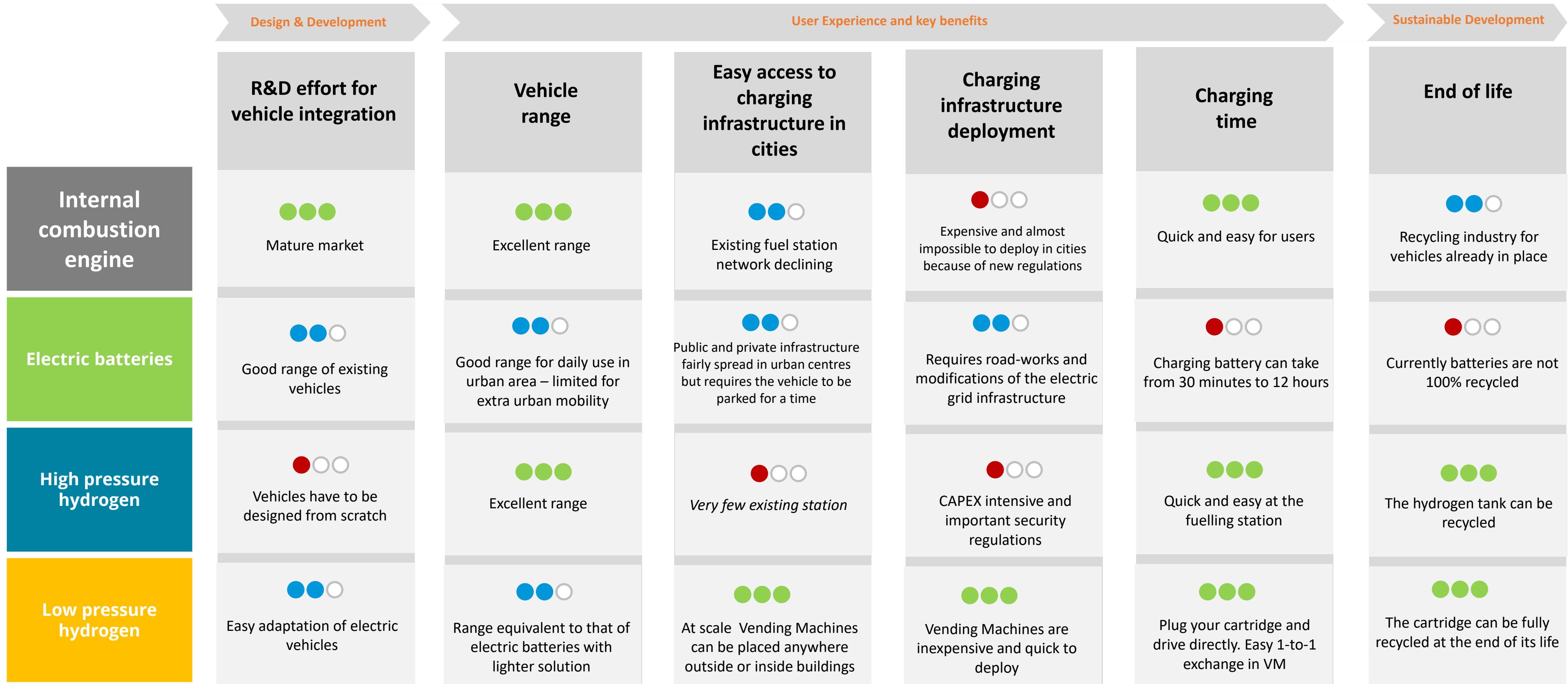
Intensive CAPEX for the high-pressure distribution infrastructure

Safer distribution model for STOR-H in line with security requirements in urban areas

Not enough existing vehicles dedicated to light urban mobility to justify high pressure hydrogen distribution

Stringent regulations limit storage of large quantities of hydrogen.  
STOR-H vending machines distribute storage of H<sub>2</sub> throughout the city thus limiting risk

# STOR-H - Competitive Analysis



# Business Model – Green Mobility as a Service

## An innovative “All-in-one” business model

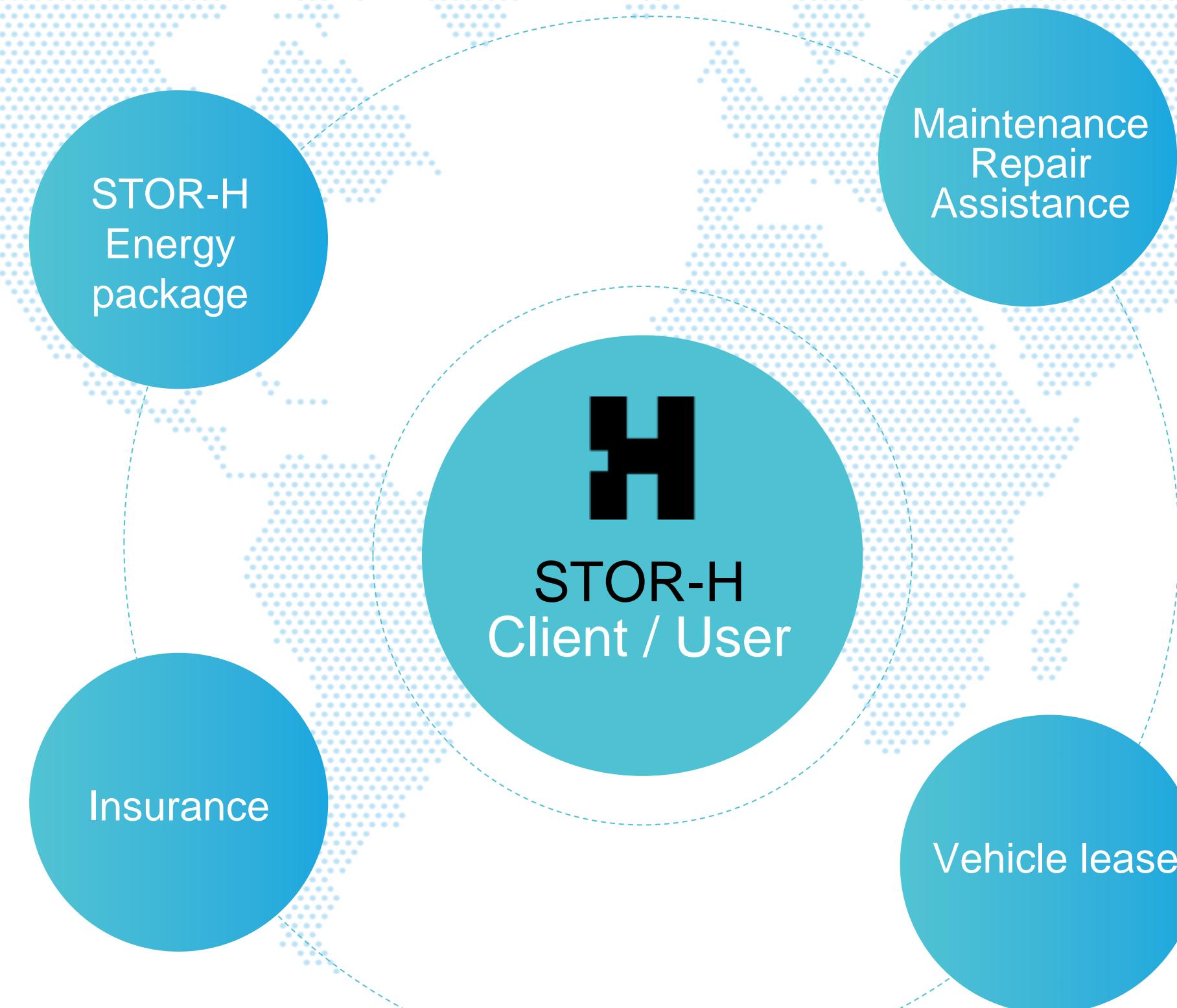
- + To facilitate market penetration we create a fleet of vehicles branded “Powered by STOR-H”
- + To address unmet consumer needs, individuals or professionals, more oriented towards use and demand for services than towards ownership

**STOR-H TECH  
has designed a long-term leasing model:**

- + With leaser partner
- + In return for a monthly fee for 36 months, the user has a vehicle with an unlimited supply of full cartridges available in vending machines and home chargers + insurance premium + maintenance plan
- + STOR-H owns the 2 key assets: cartridges and vending machines



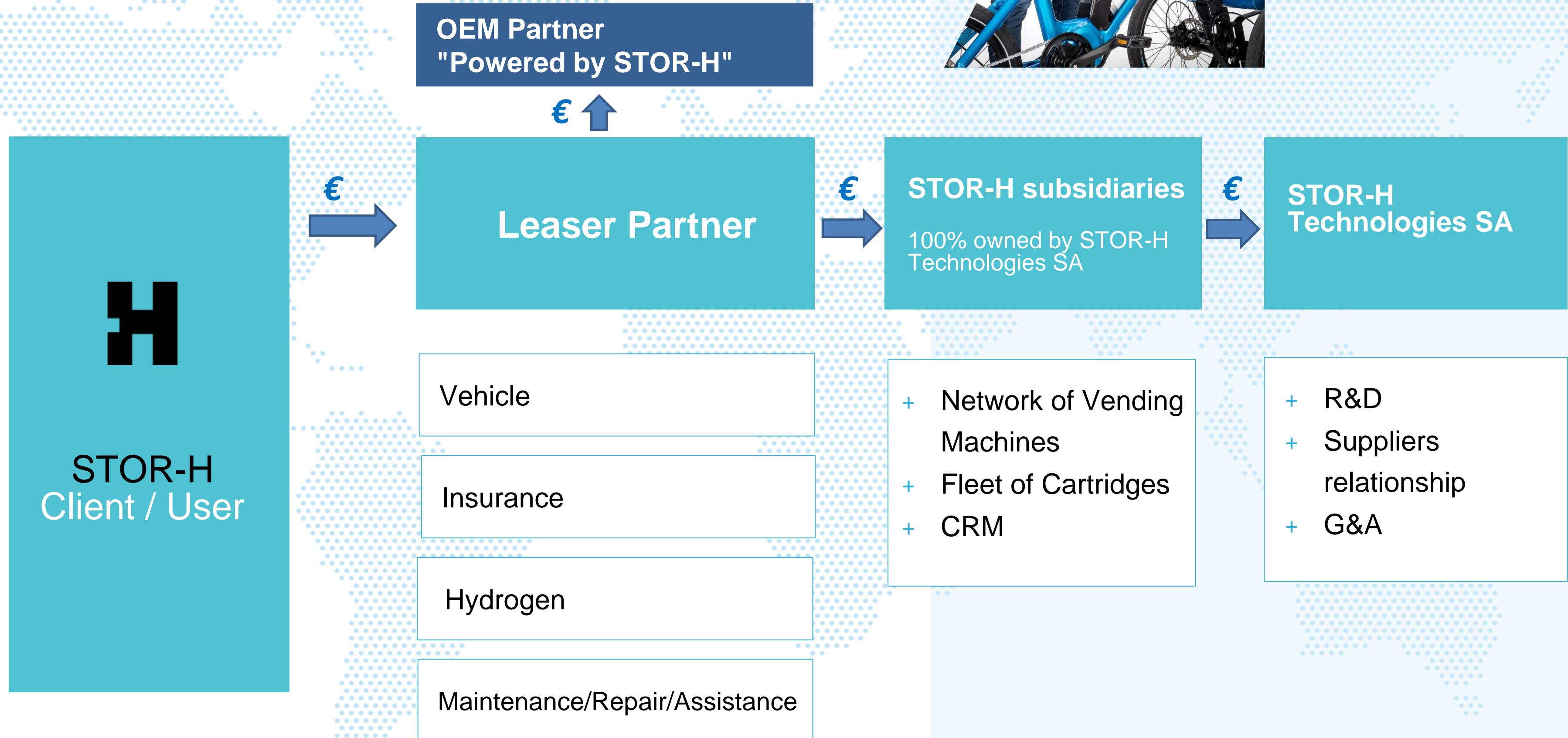
# With the client at the heart of a green planet



## Other services

- + STOR-H Home Charger or cartridge home delivery
- + Additional equipment
- + Vehicle home delivery & pick up

# And an ecosystem of STOR-H partners



# To provide Green Mobility as a service



## STOR-H

- + Offer: a catalogue of vehicles “Powered by STOR-H” + accessories + services (insurance, assistance, maintenance, vehicle delivery and restitution, cartridges supply service) - long-term rental - 24 to 48 months
- + Digital platform including coordination of partners/providers
- + Ownership and management of cartridges and vending machines



## Leaser

- + Credit analysis/acceptance of customer subscription requests
- + Vehicle purchase, accessories and services
- + Collection of subscription fees – vehicle return management

## OEM

- + Offers a range of vehicles branded “Powered by STOR-H”
- + Manufactures and delivers ordered vehicle to the leaser
- + Provides after-sales service (will need special training and documentation for H<sub>2</sub> section)

## The Client

- + Select an Offer within the catalogue
- + Uses the digital platform to manage its contract, subscription and services
- + Deposit + monthly subscription fees (direct debit)
- + Receives the equipped vehicles ready to drive
- + Exchanges his cartridges
- + Returns the vehicle in the proper condition at the end of contract

# Branding - Powered by STOR-H

A rapidly expanding catalog of vehicles establishing STOR-H as a de-facto industry standard for Light Urban Mobility

Already adopted by 12 OEMs

2021 > 2022

200W  
1KW



2022 > 2024

1KW  
6KW



2023 > 2025

6KW  
12KW



Typical driving range between cartridge replacement – 100 Km

# TOYOTA

Joint Development and Pilot at the 2024 Paris Olympics under discussion



eav



# STOR-H – Key OEMs and technology collaborations



## Pragma Industries and EH Group in Switzerland – Tier 1 suppliers

Manufacture the FC stacks for Aaqius that, in turn, sells it to OEMs

**Mob-ion, Toyota, Gitane, Cycleurope, Peugeot, Geely, Segway, Eccity, Lanmo, Vingroup, Nosmoke, Gazelle** are OEM of bikes, mopeds and small cars

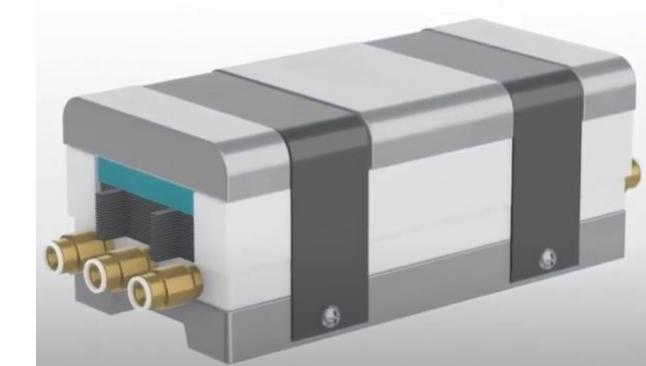
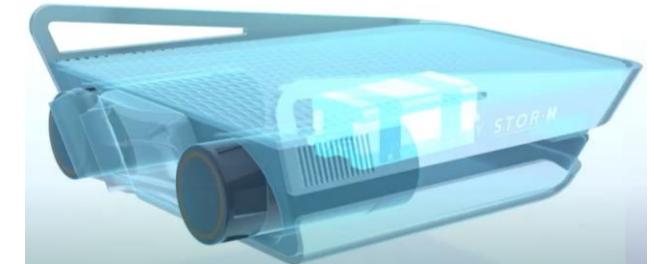
Aaqius assists them in the integration of the FC Box + cartridges in their “Powered by STOR-H” vehicles

## UTBM – Fuel Cell Research Partner

**ICONA Design** - a famous Italian design automotive company developpe with STOR-H a new collection

**AIR LIQUIDE, POWER CHINA and CENSTAR** – signed partnership agreements to invest in joint ventures with STOR-H in Europe and in China.

**Hitachi – ABB** - industrial cooperation for electronic components sourcing and large-scale production + Commercial partnerships to respond to public tenders



# STOR-H – Hydrogen Storage and Hydrogen Suppliers



Manufactures the STOR-H cartridge in Switzerland

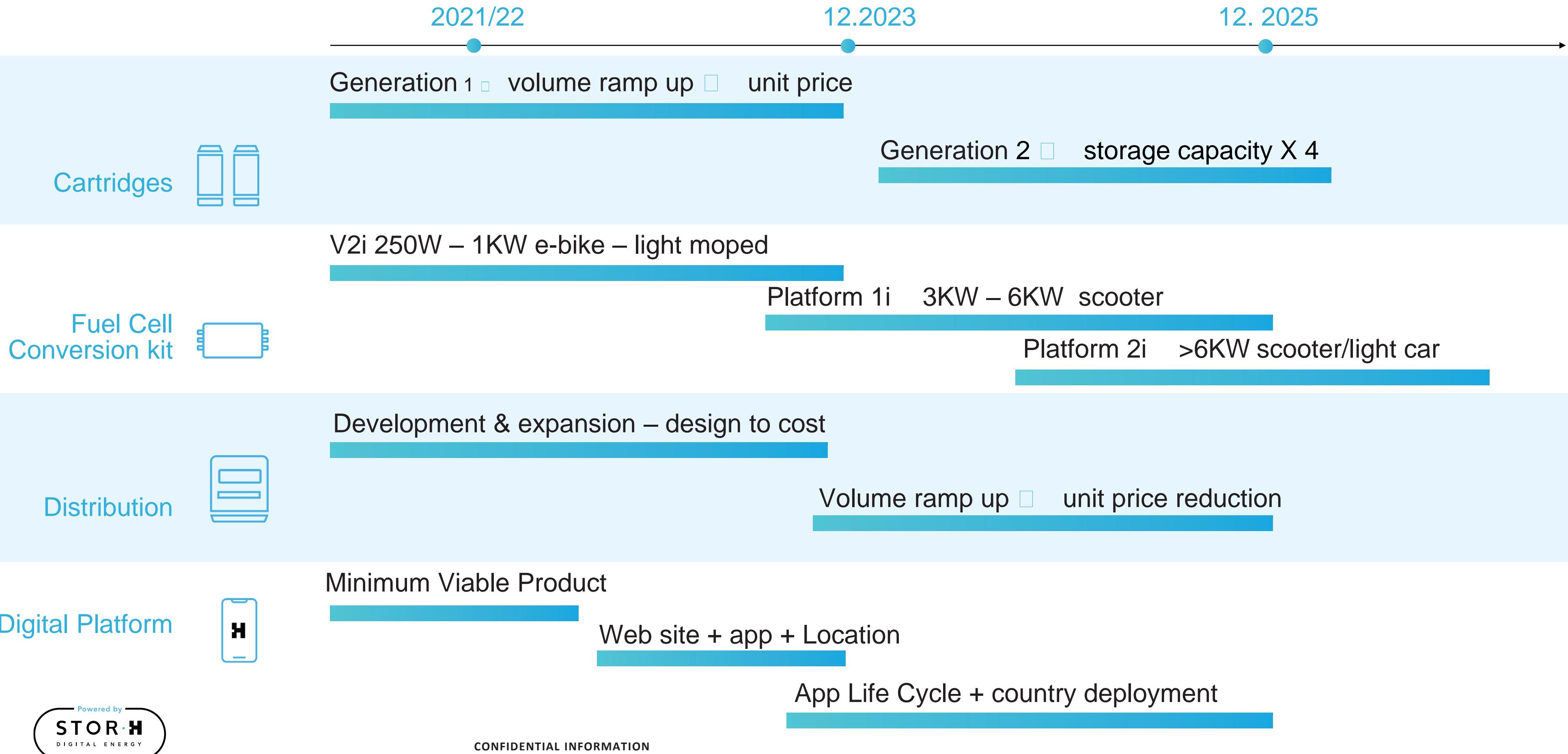
Hydrogen Supplier in Switzerland

Hydrogen Supplier in France

Hydrogen Supplier in China

Hydrogen Supplier in Morocco

# A structured product development roadmap



# STOR-H – Milestones by Investment Round

## Milestones - Round 1:

- Finalize development and launch initial low-level production of current generation cartridges for first deployment
- Finalize development and launch initial low-level production of current generation modules “Powered by STOR-H” with existing fuel cell design for first deployments
- Finalize development and launch initial low-level production of 2 and 3 wheel “Powered by STOR-H” vehicles with Cycleurope for first deployments and Mob-Ion scooters

## Milestones - Round 2:

- Initiate first deployments of B2B and B2G fleets
- Finalize development of next generation cartridges and “Powered by STOR-H” modules
- Finalize development of B2C distribution infrastructure (vending machines, home chargers)
- Finalize development of complete catalogue of 2/3/4 wheel “Powered by STOR-H” vehicles with OEM partners
- Prepare mass production of cartridges, “Powered by STOR-H” modules and vehicles
- Deployment of the STOR-H offer in Europe, China and Morocco

# Marketing and Market Traction

CIIE SHANGHAI NOVEMBER 2021





# CIIE SHANGHAI NOVEMBER 2021



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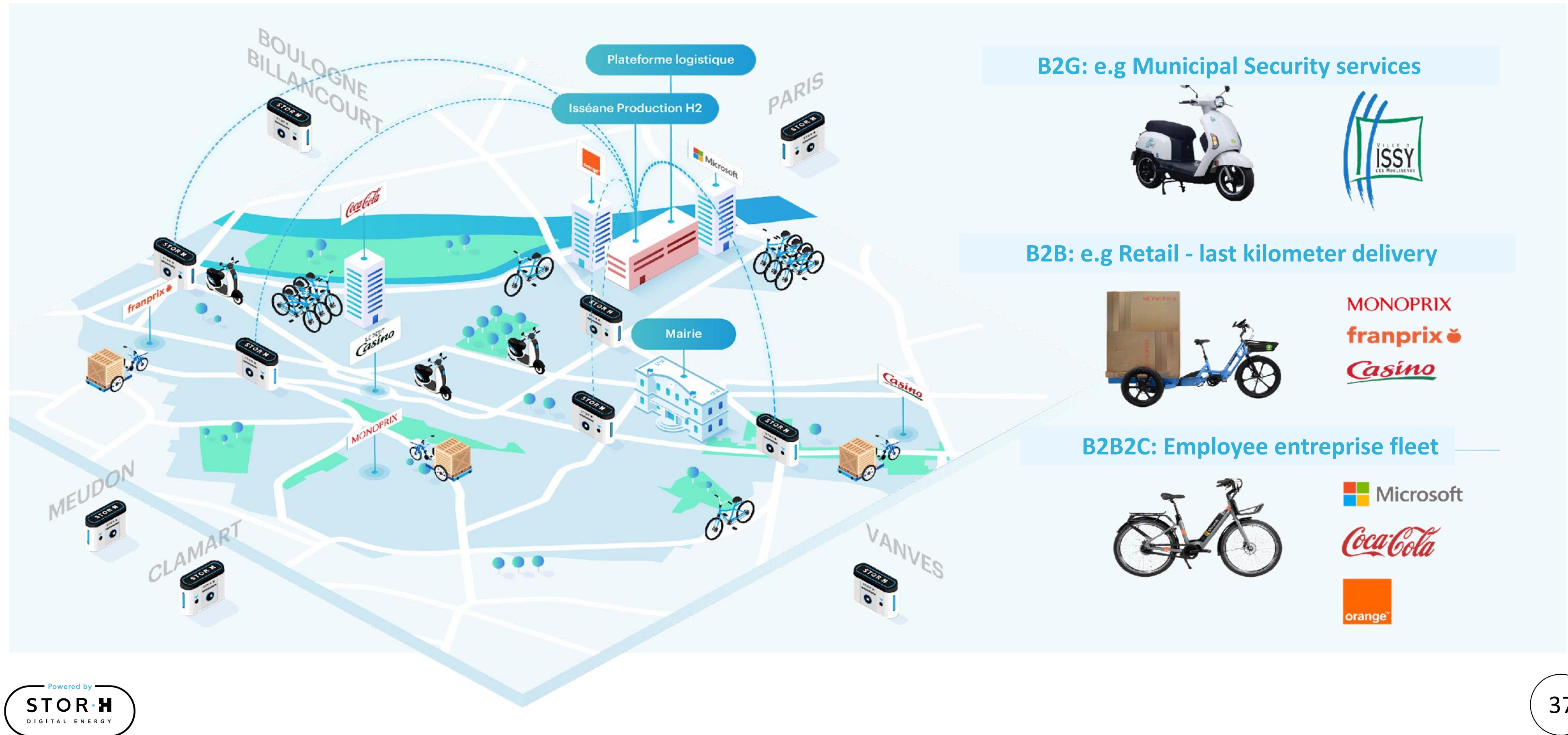
洁计的车动步一市电电池国柯意中行料为燃专让出大利意那市电一步自更司打场公市电一步



# GENEVA JUNE 2021



# Structured go-to-market strategy: STOR-H ecosystem deployed in the Paris quarter of Issy-les Moulineaux



# **PARIS 2024:**

## **Toyota Mobility vision**

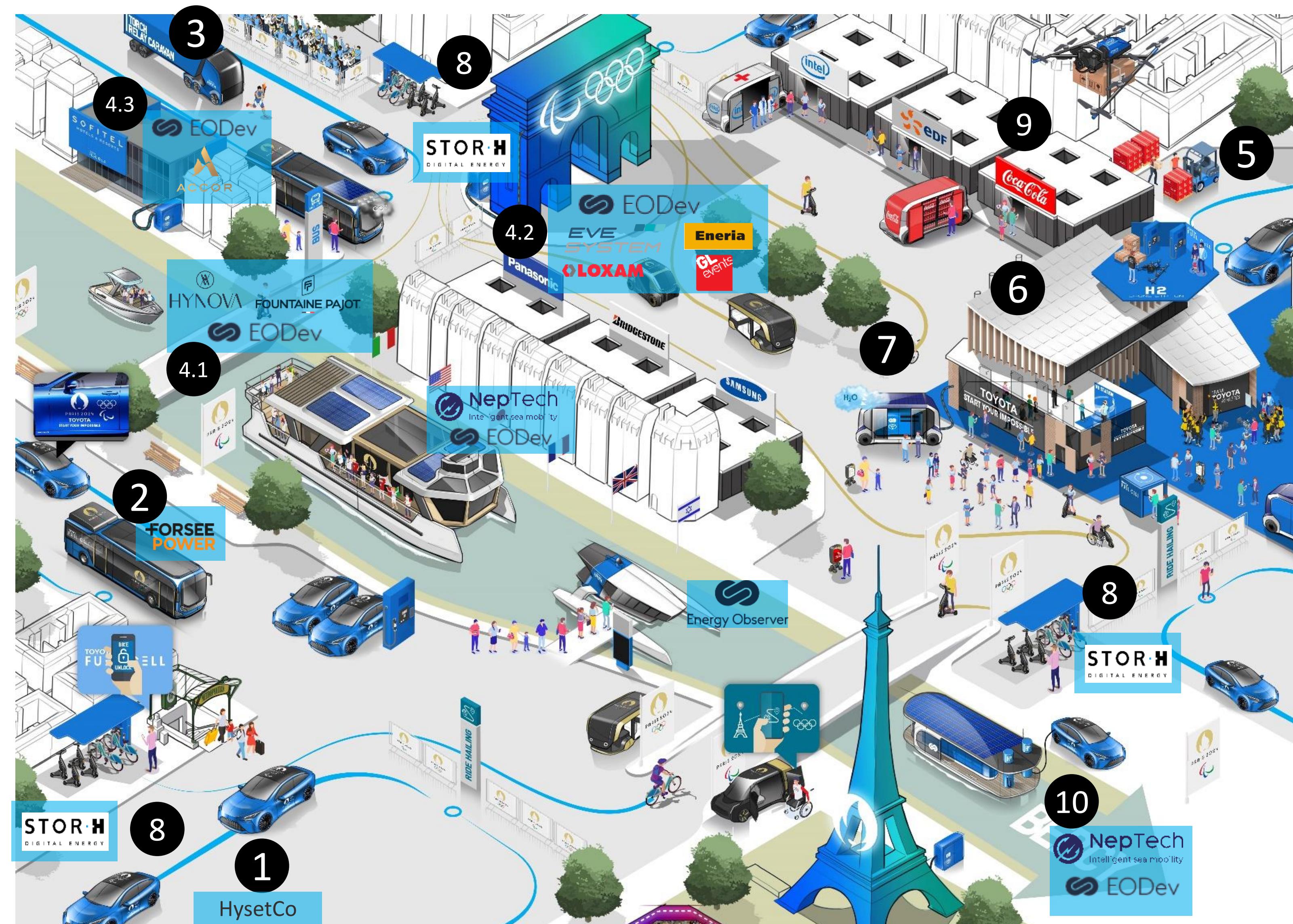
**Toyota Planned Collaboration  
with STOR-H**



# The TOYOTA 2024 Olympic & Paralympic games ecosystem



- **Planned deployment of STOR-H in the Paris region > 2025:**
  - 10.000 vehicles “Powered by STOR-H” 50 cartridge distributors (vending machines)
  
- **Specific deployment for Paris 2024 Olympic & Paralympic games**
  - 1150 Toyota vehicles “Powered by STOR-H”
  - Infrastructure to be determined



- 1** Toyota Mirai
- 2** PAC H<sub>2</sub> Bus w/Green Roof
- 3** PAC H<sub>2</sub> Truck
- 4.1** PAC H<sub>2</sub> Boats
- 4.2** PAC H<sub>2</sub> Generators
- 4.3** PAC Generators for Hotel
- 5** PAC H<sub>2</sub> Forklift
- 6** Hospitality Toyota : inspiration Woven City focus on hydrogen
- 7** TME R&D Demo / Projet Halo E.g.: e-Palette & générateur FC H<sub>2</sub>
- 8** PAC H<sub>2</sub> bikes STOR-H / Mobility last km
- 9** PAC H<sub>2</sub> Drones
- 10** Multipurpose Floating Station

## Competition - Existing Hydrogen light urban mobility



**Alpha Bike by Pragma Industries**

High pressure H<sub>2</sub> storage requiring a high-pressure fueling station



**H<sub>2</sub> Scooter by APFCT**

Taiwanese fuel cell company seeking collaboration with scooter manufacturers for commercialization of fuel cell scooters



**Békane H<sub>2</sub>**

Prototype vehicle not available on the market



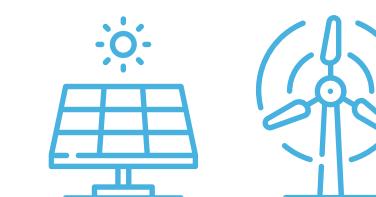
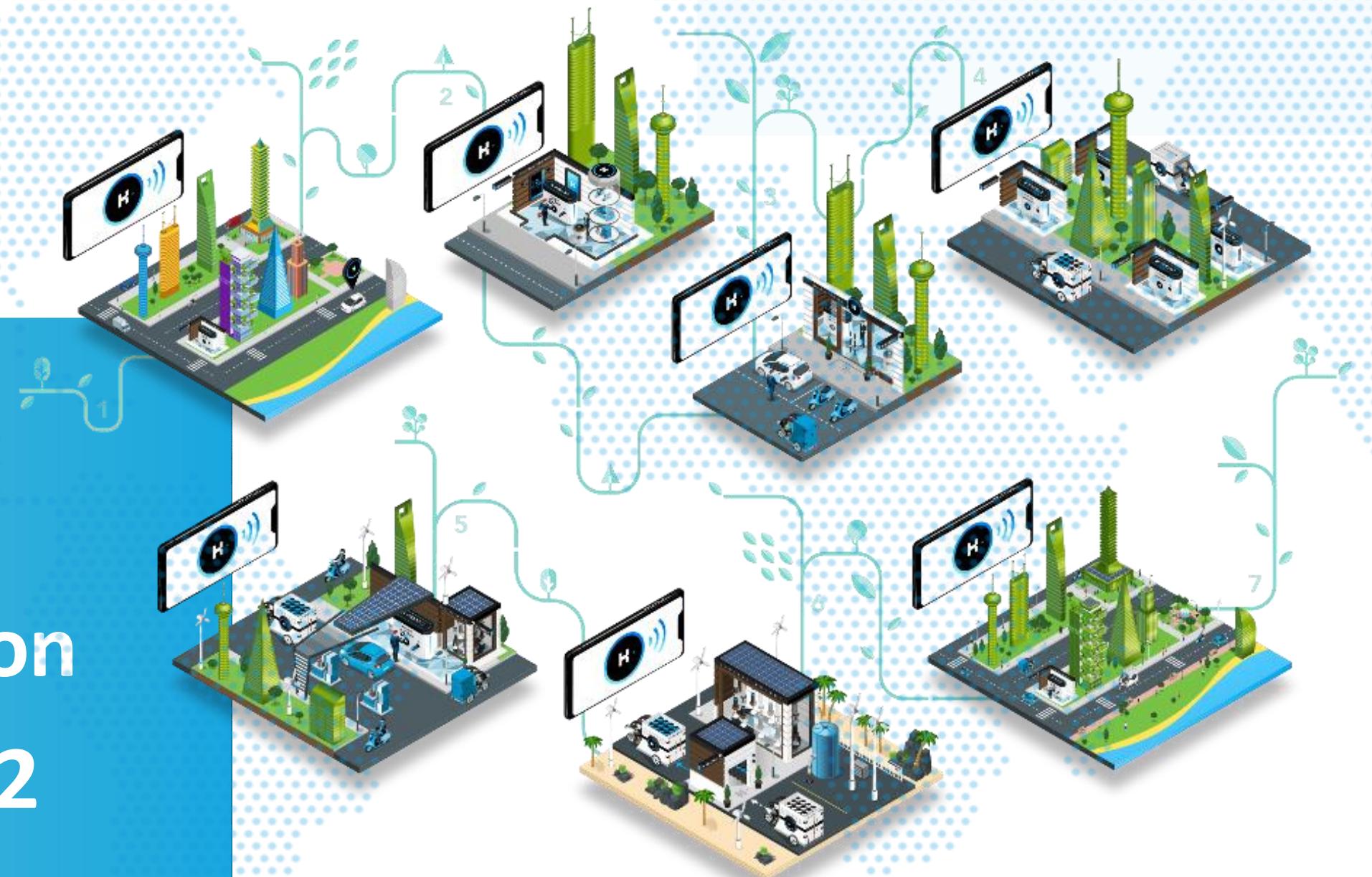
**H<sub>2</sub> Burgman by SUZUKI**

Prototype vehicle. No commercialization planned so far

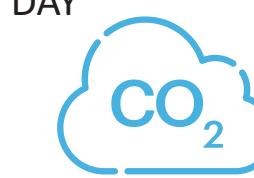
# Business Plan

# The STOR-H ecosystem for a greener, cleaner future

STOR-H plans on  
scaling up to 32  
cities by 2026



H<sub>2</sub> CONSUMED PER DAY  
(IN TONNES)  
**1,9 t**



CO<sub>2</sub> AVOIDED PER YEAR  
(IN TONNES)  
**100k**

# Urban deployment pipeline in 2022 is already at +61% of original BP

Forecast 2026 in the initial business plan

## Number of cities targeted in the initial business plan

**EUROPE**  
25 cities

**AFRICA**  
4 cities

**CHINA**  
5 cities

## Users/Vehicle deployed and revenues

**282 K Users**  
**132 M € Sales**



2026 commercial forecasts updated according to current projects.

## Cities in the pipeline in 2022 Projected 2026 volumes (vehicles)

### **EUROPE (11 cities)**

Geneva (CH)  
Barcelona (SP)  
Annemasse (FR)  
Bastia (FR)  
Bergerac (FR)  
Bois Colombes (FR)  
Grenoble (FR)  
Issy-les Moulineaux (FR)  
Nice (FR)  
Pau (FR)  
Paris 2024 Olympics (FR)  
Monaco (MC)

### **EUROPE (23K vehicles)**

1000
1000
500
1000
1000
500
1000
1000
2000
2000
1000
1000
10000
1000

### **AFRICA (4 cities)**

Agadir (MA)  
Marrakech (MA)  
Tanger (MA)  
Benguerir (MA)

### **AFRICA (13K vehicles)**

2500
5000
5000
500

### **CHINA (5 cities)**

Beijing  
Lanmo  
Sichuan/Chongqing  
Shanghai  
Hainan

### **CHINA (420,000 vehicles)**

100000
40000
150000
130000
In progress

# A business plan focused on key milestones

## 6-Year Projections

	2021/2022	2023	2024	2025	2026	2027	2028
<b>Revenues (K€)</b>	0	161	1,155	20,746	132,633	408,536	801,790
<b>EBITDA (K€)</b>	-4,781	-8,802	-12,863	3,283	79,065	240,256	464,512
<b>Vehicles on road / Units</b>	10	710	3,218	51,804	282,259	846,777	1,693,554

## Equity Post Series B Round

Shareholders	Investment	Share capital	# shares	Stake %
Aaqius & Aaqius SA	Seed & Series A	203,589.14	20,358,914.00	58.97%
PowerChina	6,400,000 M€	14,731.00	1,473,100.00	4.27%
Employees	ESOP	11,850.00	1,185,000.00	3.43%
Series B investors	50,000,000M€	115,085.07	11,508,507.00	33.33%
<b>TOTAL SERIES B</b>		<b>345,255.21</b>	<b>34,525,521.00</b>	<b>100.00%</b>

**STOR-H has short term debts (< 500KCHF)**



# STOR-H – SWOT Analysis

**S**

## STRENGTHS

1. Technological expertise
2. Patents
3. Introduction to political spheres of influence in targeted countries
4. Ambition

**W**

## WEAKNESSES

1. Small team with resource-limited capabilities for business development
2. Limited capabilities to answer all tenders and project solicitations
3. Lack of operational deployment

**O**

## OPPORTUNITIES

1. Support of national and local authorities (subsidies)
2. First player on the market that can elevate entry barriers
3. Use of classic consumption models to ease customer adoption
4. Weak regulations

**T**

## THREATS

1. Necessary investments to start
2. Hydrogen value chain still in development in some countries
3. Emerging competing technologies – Solid State Battery Technology



Powered by

**STOR-H**

DIGITAL ENERGY



[www.stor-h.com](http://www.stor-h.com)

# Thank you

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CH-1204 Geneva Switzerland



# Supplemental Data

# STOR-H Cartridge - Technical, safety and environmental performance

ENVIRONMENTAL Performances	AX1 Cartridge	AX2 Cartridge	AX3 Cartridge
<b>Recyclability</b>	100%	100%	100%
<b>Precious metals</b>	NO	NO	NO
<b>Rare metals</b>	NO	NO	NO
<b>Toxic products</b>	NO	NO	NO
TECHNICAL Performances	AX1 Cartridge	AX2 Cartridge	AX3 Cartridge
<b>Hydrogen Gravimetric density</b>			
• Generation 1 = 2021	15g	22g	30g
• Generation 2 = 2023	30gr	44gr	60gr
• Generation 3 = 2025	60gr	88gr	120gr
<b>Weight</b>	2020gr	2660gr	3200gr
<b>Number of refills</b>	>5000 times	>5000 times	>5000 times
<b>Warranty</b>	10 years	10 years	10 years
<b>Recharge time at 10C°</b>	10'	15'	20'
<b>Connection time</b>	<5"	<5"	<5"

SAFETY Performances	AX1 Cartridge	AX2 Cartridge	AX3 Cartridge
<b>Pressure in use conditions *</b>	<9 bars	<9 bars	<9 bars
<b>Test pressure (burst test)</b>	200 bars	200 bars	200 bars
<b>Rupture pressure of Valve</b>	>200 bars	>200 bars	>200 bars
<b>Rupture disc pressure or Pressure Relief Device**</b>	60 bars	60 bars	60 bars
<b>Risk of explosion</b>	NO	NO	NO
<b>ISO 16111 ***</b>	YES	YES	YES
<b>TPED regulation **** (Transportable Pressure Equipment Directive)</b>	YES	YES	YES

\*There are two safety outputs, the PRD Pressure Relief Device or rupture disc at 60bars and the Quick Connect which resists much higher, more than 200bars in burst test and a maximum operating pressure of 40bars

\*\*If the rupture disc does not work, it is the envelope that fails at 200 bars

## Technically two regulations in Europe:

\*\*\* ISO 16 111 with a corpus of three main tests:

- burst test (no plasticization below 140bars OK and a rupture pressure of 200bars OK)
- fire test : 20 min in an open flame without explosion (to be checked)
- drop test: fall on three sides of 1.80m on a hard floor without breaking the QC or the rupture disk, verified in theory and included in the design

the material of the body must also be in the standard, which is the case of the one chosen: Aluminum alloy XXXX treated YY

\*\*\*\* TPED 2010/35/EU Transportable Pressure Equipment Directive for transportable storage systems  
(A "Pi" marking is required on the main components)



## STOR-H - Home Charger

This is an innovative portable electrolysis device. It comprises a cup body used for containing water and an electrolysis sleeved inside the inner tank. It uses electricity to break water into hydrogen and oxygen in a process called electrolysis. Through electrolysis, the electrolyzer system creates hydrogen gas, directly refilling the STOR-H cartridge.

We can use purify water or add a small unit to purify the water

Users can refill cartridges at home/office

Dimension (mm): L624.5\*W287\*H319.2

Manufactured by SELECTA Company in Italy for Europe

Cartridge Type	AX1	AX2	AX3
Refilling time@ 10°C per cartridge	10mns	15mns	20mns



## STOR-H – Vending Machine

Users will find the nearest vending machine thanks to the STOR-H application.

Users exchange an empty cartridge for a full one, no more charging time.

The vending machines can be placed in central urban areas, requiring limited landmark, can be easily moved from one place to another at low cost.

Each shelf in the vending machine can hold 60 STOR-H cartridges,

Different numbers of shelves are available to match the hydrogen needs.

Manufactured by SELECTA Company in Italy for Europe

# STOR-H – 2019-21 “Hubs of Excellence”

→ International exhibition  
of inventions

04/2019 - Geneva



→ ISEFI

07/2019 – Paris  
Hub of excellence BPI France



→ Journées hydrogène  
dans les territoires

07/2019 – Marseille  
Hub of excellence Afhypac



# STOR-H – 2019-21 “Hubs of Excellence”

→ International exhibition  
of inventions

Bordeaux Show 2021



→ International Awards

CIIE SHANGHAI 2021



→ Journées hydrogène  
dans les territoires

Presidential palace  
Paris 2021



# International strategic agreements already signed at the highest levels



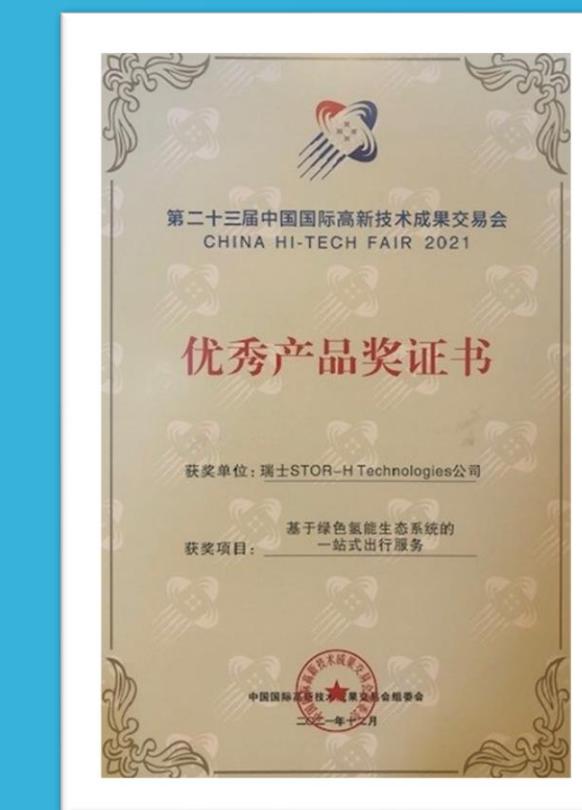
# STOR-H – Awards



## CNI SOLARIMPULSE Label Award Solution ID: 1318, 21.06.2019



- A letter of support following a comprehensive year long technical due diligence by CNI
- We were the first in the hydrogen sector to obtain this label from the CNI and the only one for 2019



# Decarbonization Worldwide

## Decarbonization is a global imperative

**Canada** committed to reduce emissions by at least 40–45% below 2005 levels by 2030

**U.S.** reentered the Paris Agreement and committed to reduce emissions by 50–52% below 2005 levels by 2030

**U.K.** committed to emissions reductions of at least 68% below 1990 levels by 2030

**E.U.** agreed to reduce emissions to at least 55% below 1990 levels by 2030

**China** set an emissions intensity target of 60–65% below 2005 levels by 2030

**India** set an emissions intensity target of 33–35% below 2005 levels by 2030

**Australia** committed to reducing GHG emissions 26–28% below 2005 levels by 2030

Source: Climate Action Tracker, Gov.UK.

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# Keywords

Hydrogen Ecosystem

Green Hydrogen

Carbon Free Energy Source

Zero Carbon (CO<sub>2</sub>) Emission

Portable Hydrogen

Hydrogen Mobility as a Service

Hydrogen Society & Carbon Neutrality

Urban Mobility

Shared Urban Mobility

Micro Mobility

E-V Mobility

Low Pressure Hydrogen Storage

Hydrogen Fuel Cell

“Powered by STOR-H”

Zero Emission Micro Mobility

FCEV – Fuel Cell Electric Vehicle

e-Palette - Autonomous Zero Emission Shuttle

E-bike

E-scooter

Accessible People Mover (APM) Vehicle

Walking area Battery Electric Vehicle (BEV)

PAC – Paris Agreement Compatible



Powered by

**STOR-H**

DIGITAL ENERGY



[www.stor-h.com](http://www.stor-h.com)

## Watch us on YouTube

<https://www.youtube.com/watch?v=qDt5yc4fyrQ>

<https://www.youtube.com/watch?v=yMp55kSzgvo>

<https://www.youtube.com/watch?v=hU5QUlrggegh>

<https://www.youtube.com/watch?v=1t6t-MGo1o4>

<https://www.youtube.com/watch?v=rzfoM4EYHwU>

<https://www.youtube.com/watch?v=iIxzq4-JInMc>

<https://www.youtube.com/watch?v=6BDLvMezhAw>

<https://www.youtube.com/watch?v=cia-u1jg5Pc>

<https://www.youtube.com/watch?v=JKTqQwfASql>

## Would you like to learn more?

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