

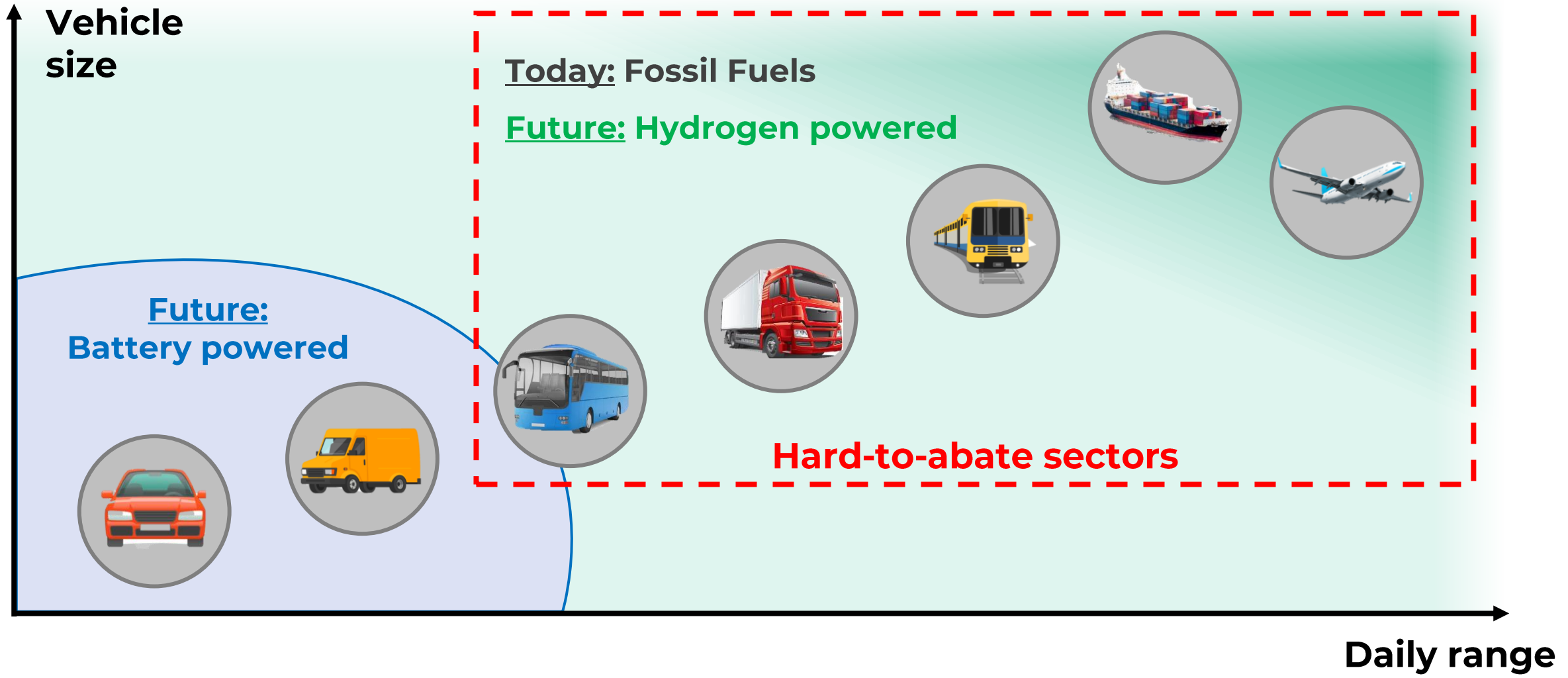


NEOLOGY

CARBON FREE ENERGY

Zero Emission Mobility

A new world without one-size-fits-all solution



Source: McKinsey & Company, Hydrogen Europe
* Off-grid trains and metros

Problem

Storage & distribution of hydrogen

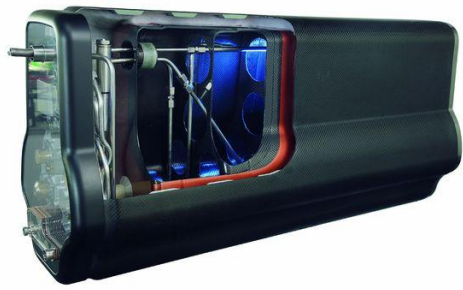


Hydrogen Gas

Compressed at 350 – 700 bar

Low energy density
Highly explosive

Inefficient & complex infrastructure (compressor, cooling...)



Liquid Hydrogen

Cooled at -253°C



Liquid Ammonia

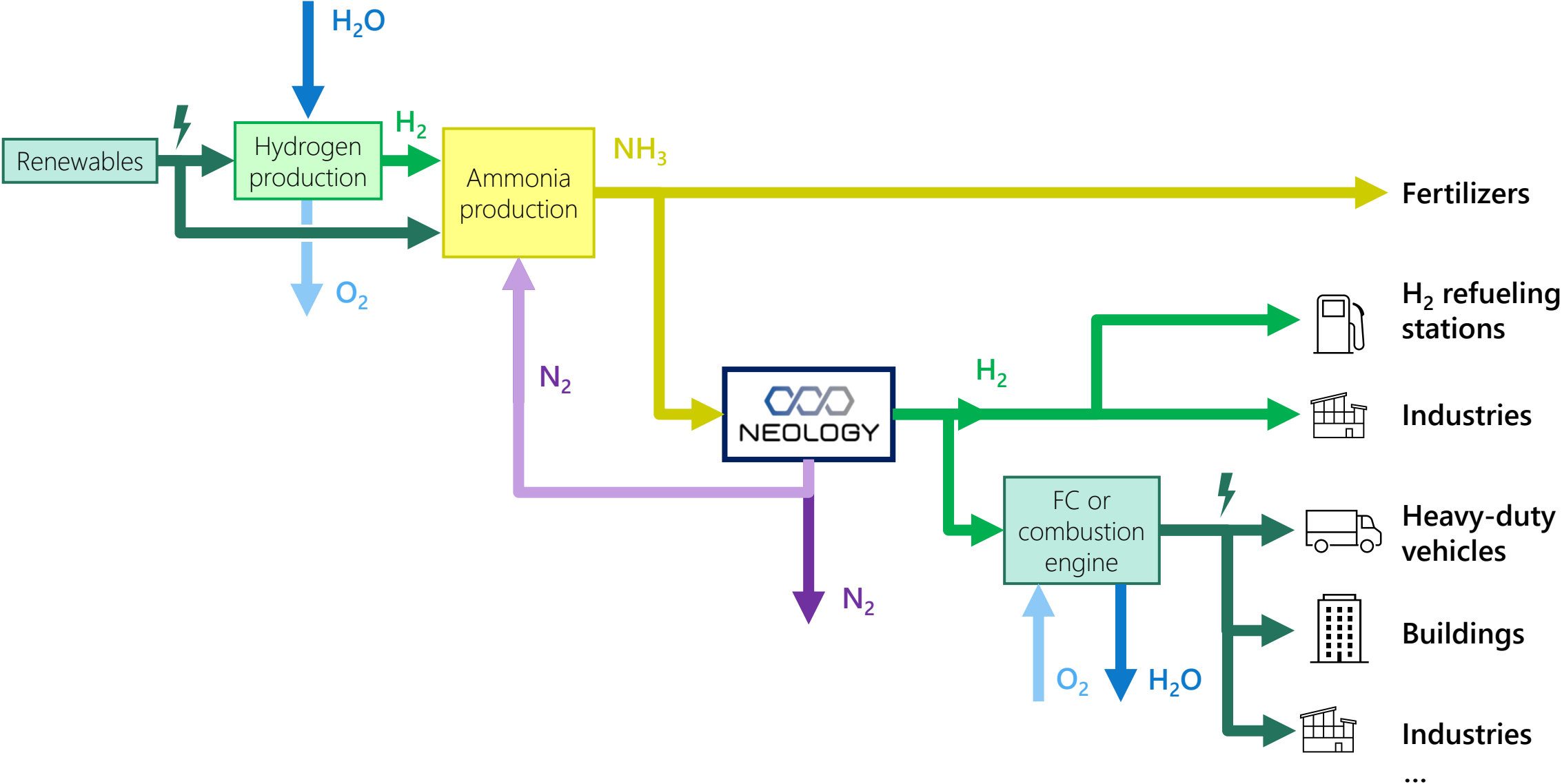
Compressed at 10 bar & 25°C

3.5x more energy than GH_2 per volume
Hard to ignite

2nd most produced chemical

Carbon-Free Value-Chain

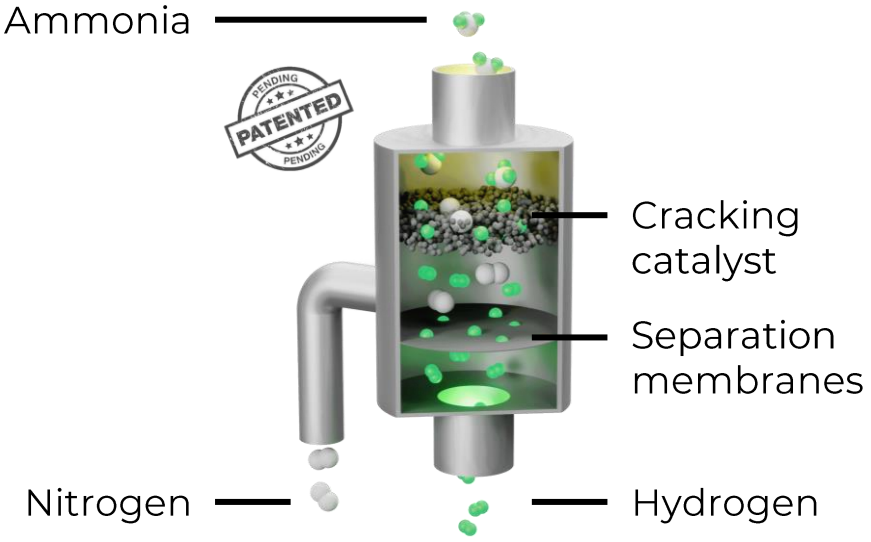
Energy production to utilization using Ammonia



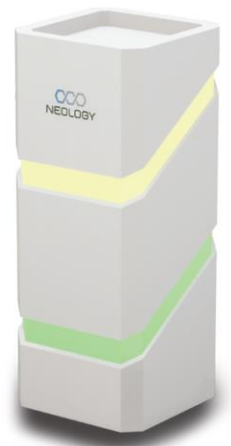
Solution

Ammonia to hydrogen generation

Technology



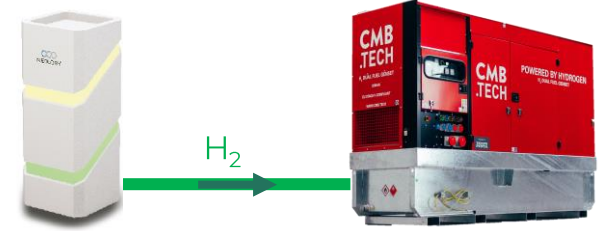
Product



AHGS

Ammonia to Hydrogen Generation System

Use cases



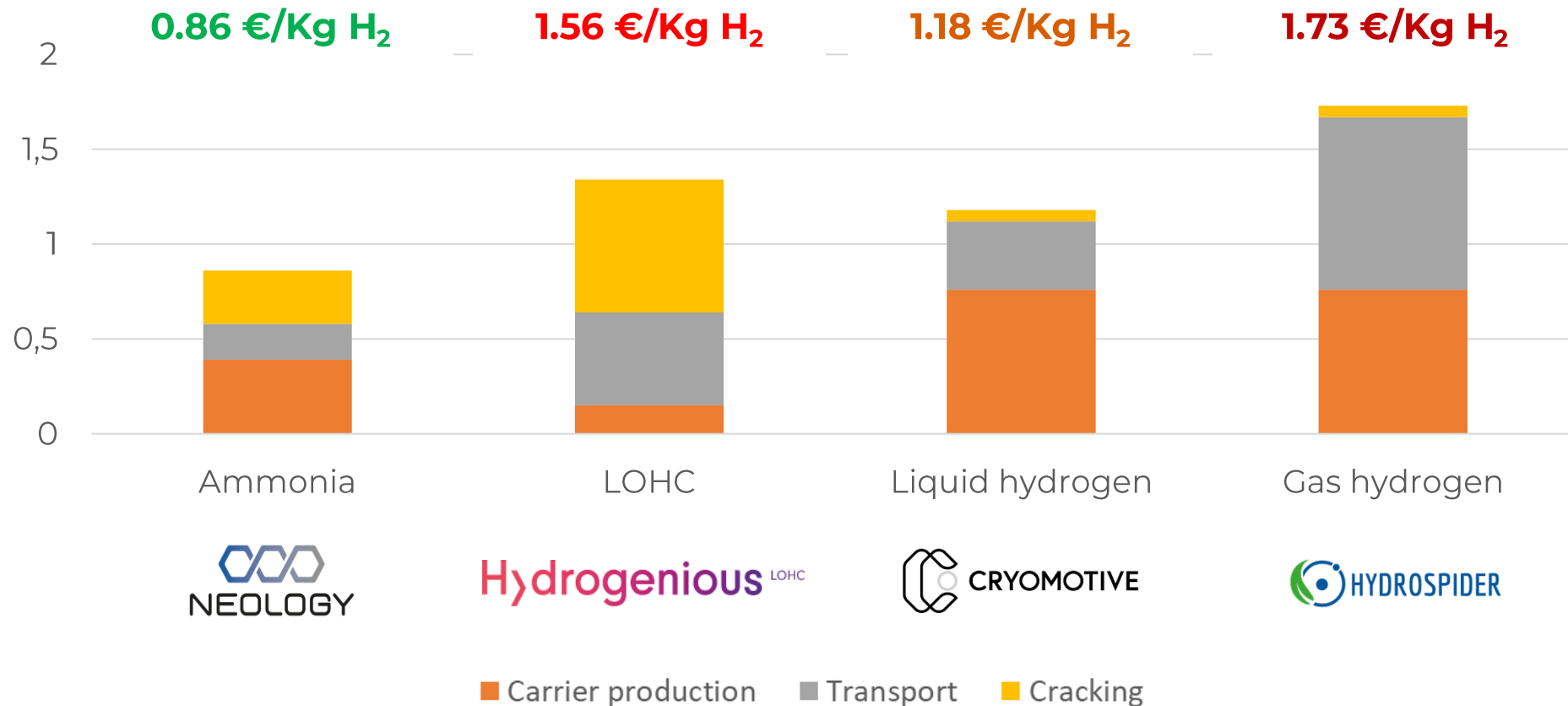
Stationary application



Mobile application

Value Proposition

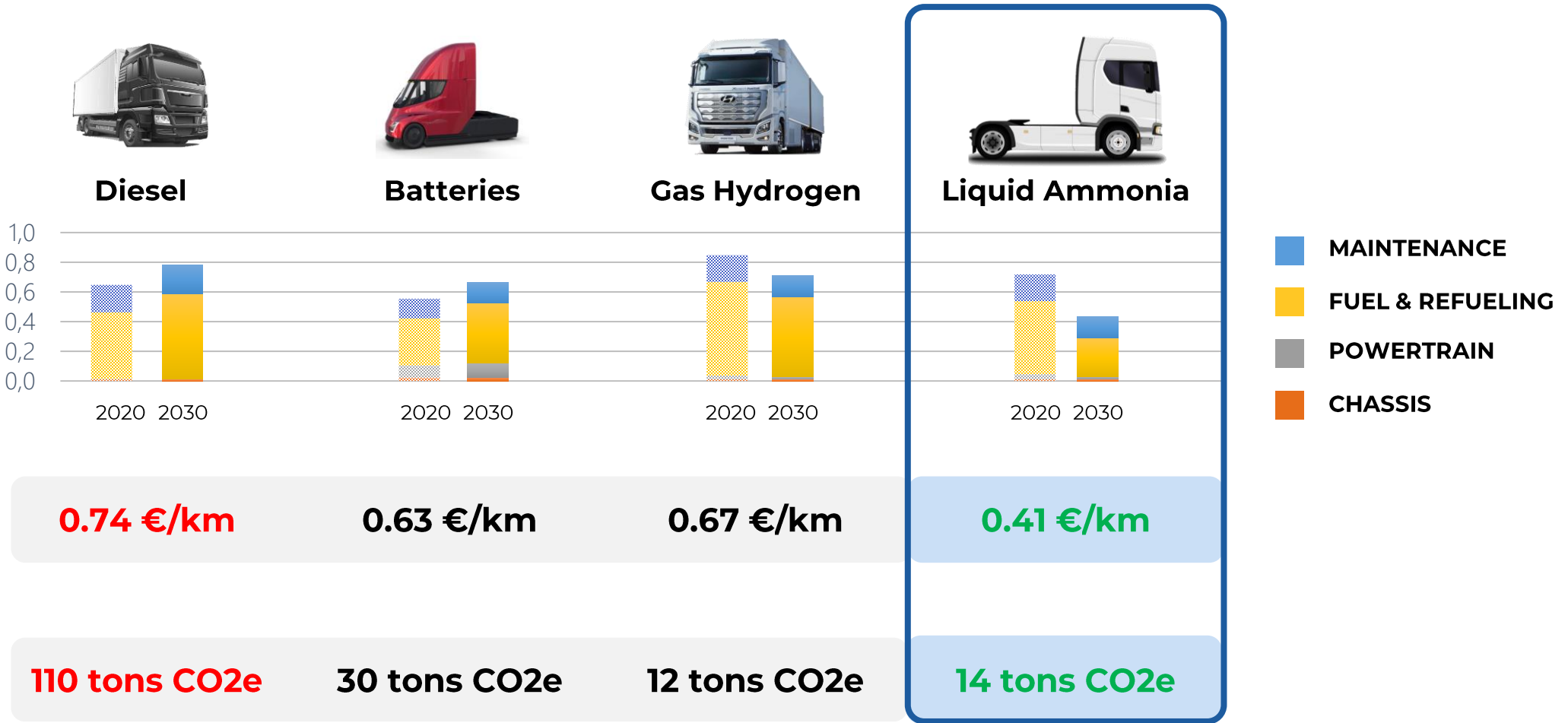
Lowest Cost for Hydrogen transport



Sources: Neology and Gas for climate report.
 * Assumptions: Project with 3 tons H₂/day project; distance of 200 km between carrier storage and hydrogen station; transportation assumed by heavy-duty trucks.

Value Proposition

Cost-effective and with low emissions



Total cost of ownership (TCO)

Yearly emissions Well-to-Wheel (WTW)

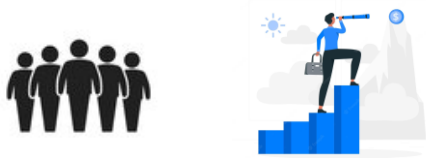
Sources: Gas for climate report, ICCT and Neology TCO calculator tool.
 * Assumptions: Import of renewable hydrogen and renewable ammonia. 100% utilization ratio of refueling/charging stations. Tolls not considered in calculation. Price of carriers in 2030: Diesel 1.94 €/l, Electricity: 0.30 €/kWh, Gas Hydrogen: 6.55 €/kg, Liquid Ammonia: 0.4 €/kg, Yearly mileage: 120'000 km

Achievements

Financing, Milestones & Impact

2022-2023

Past expenditures € 0.7m
Current cash € 0.3m



2024

€ 3.5m Seed 2024 Q1



2025 and onwards

€ 17m Series A 2025 Q3



Prototyping, Facilities & Traction



5 LOIs signed

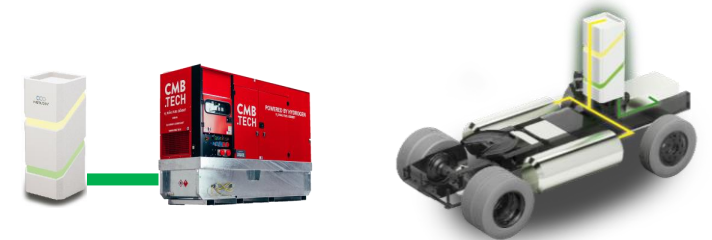
Demonstrations & MVP scale-up



4 pilot sales in discussions

>400 tons of CO2e avoided in 2024

Pilots & Industrialization



>200 Mt of CO2e avoided by 2034!

Team

Proven experience & expertise



Aris MAROONIAN

Founder & CEO
15+ years in automotive industry
Electrical engineer, EMBA



Corporate experience



Ruben FELDMAN

Co-founder
15+ years Banking industry
Financial Engineer, CFA, EMBA



Start-up experience



Dr. Evgeniya VOROBYEVA

8+ years chemistry & process



Dr. Martin LUBEJ

13+ years reactor design & simulation



Dr. Kevin TURANI-I-BELLOTO

8+ years catalyst design



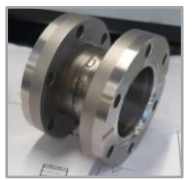
Dany MAROONIAN

15+ years architecture, design, marketing & communication



Thank you

Our Ask



Technology validated



Working prototypes & test benches



Proprietary lab & demonstration vehicle



Customer & investor interest



Seed round: € 3.5m

- Scale development lab
- R&D team growth
- Accelerate sales
- Strengthen operations



Strategic investors, manufacturing partners, pilot customers

Thank You



Get in touch

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