

Hydrogen infrastructure in the Cp/Zepak Group

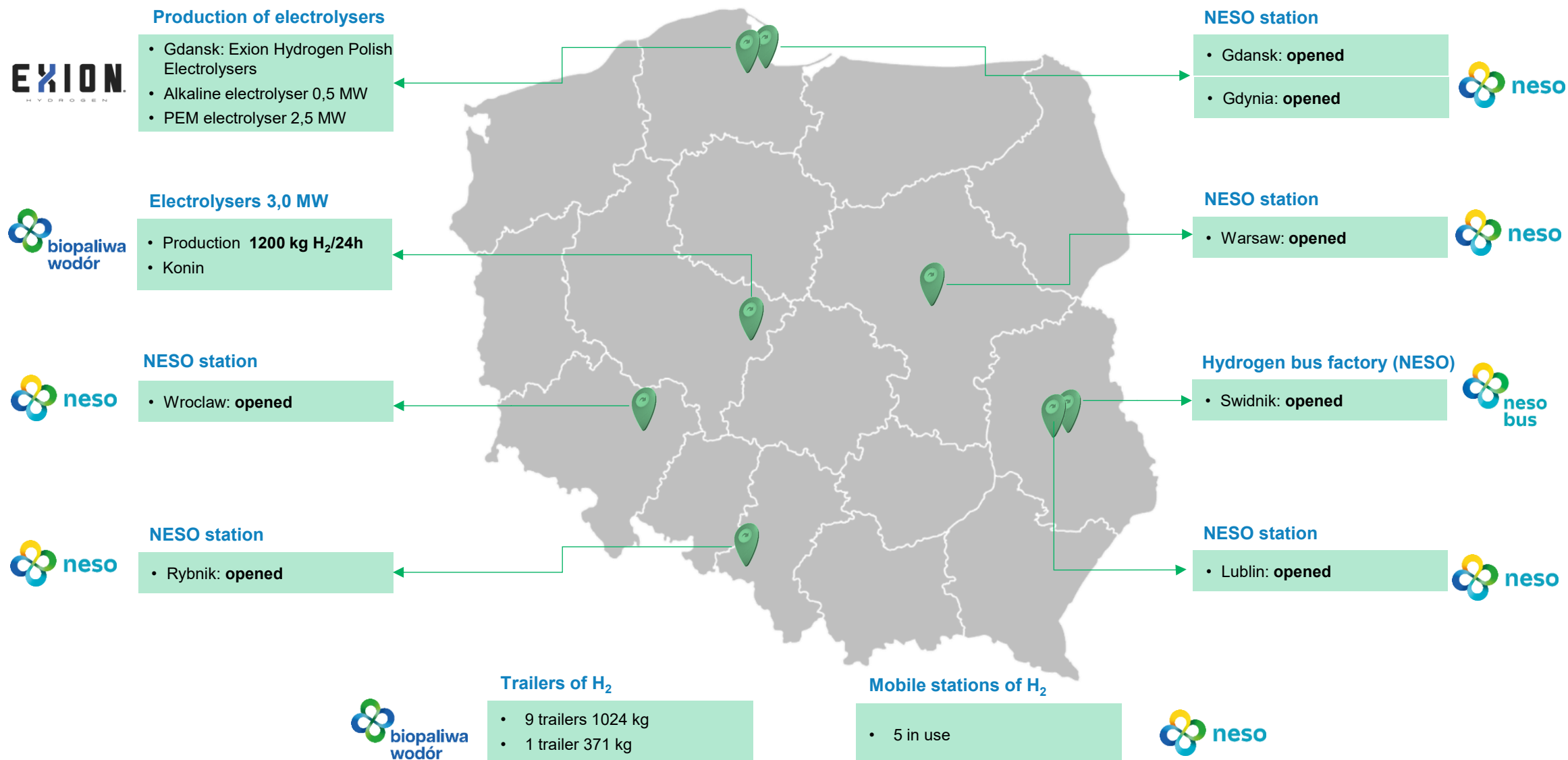


July 2024

Full value chain of green hydrogen

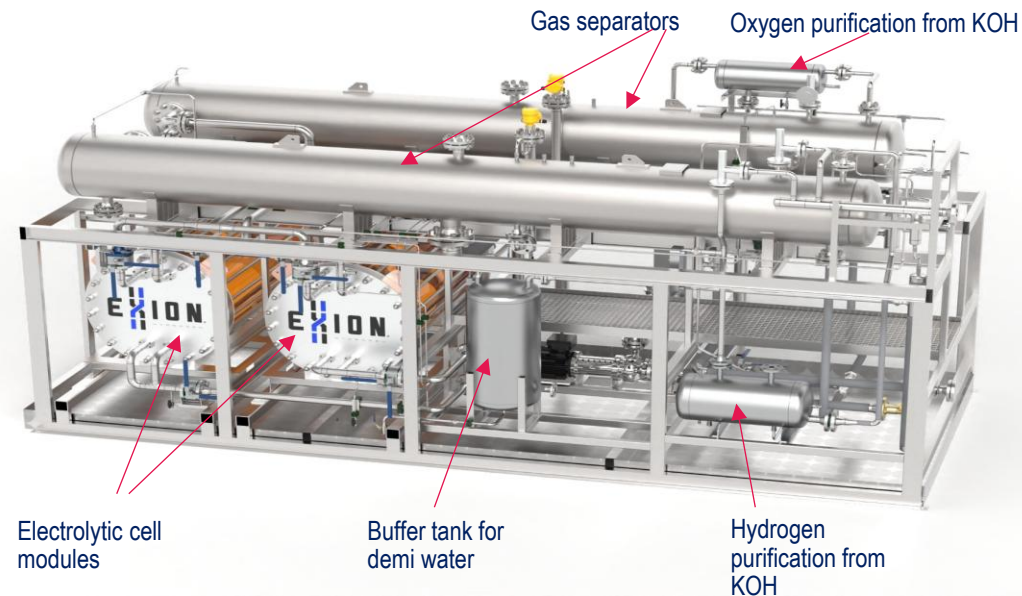
Zero-emission energy	Production of green hydrogen	Storage and transport	Distribution of green hydrogen	Products for users	Products for users
Solar energy Wind energy Biomass	Currently: 3 MW of electrolyzers, 6 MW from 2026 Current production 1200 kg of green H₂ per day	Currently: Storage and transport with cylinder batteries 10 trailers in use	Currently: 6 stations in operation 2 HRS under construction	Currently: Production of Polish hydrogen buses >110 buses sold in Poland	Currently: Promotion of hydrogen cars in Poland 150 cars in our own fleet
					
Currently working	The first electrolyzer installed	First trailers in use	6 HRS 2 HRS under construction	NesoBuses on roads in Gdańsk, Rybnik, Konin, Chelm	Hydrogen cars actively used by employees

Full value chain of green hydrogen



Green hydrogen production

We are building a Polish prototype of a 0,5 MW alkaline electrolyser and a 2,5 MW PEM unit



- # In QIII 2024, we produced in Gdańsk a Polish 0,5 MW alkaline electrolyser.
- # Electrolyser with integrated water purification and a transformer.
- # A 0,5 MW electrolyser produces 200 kg of hydrogen per day – equivalent to refuelling 8-10 buses per day.
- # The 2,5 MW PEM electrolyser is complete and at the installation stage in Konin
- # 2,5 MW produces over 1000 kg per day

Green hydrogen production

We have installed one of Europe's largest PEM electrolyzers: 2,5MW



- # In Konin, a 3 MW plant is operating with a daily production capacity of 1200 kg
- # Work is ongoing to expand to 6 MW. Planned start-up: Q4 2026- Q1 2027.

Green hydrogen storage and transport

14 top-generation hydrogen trailers

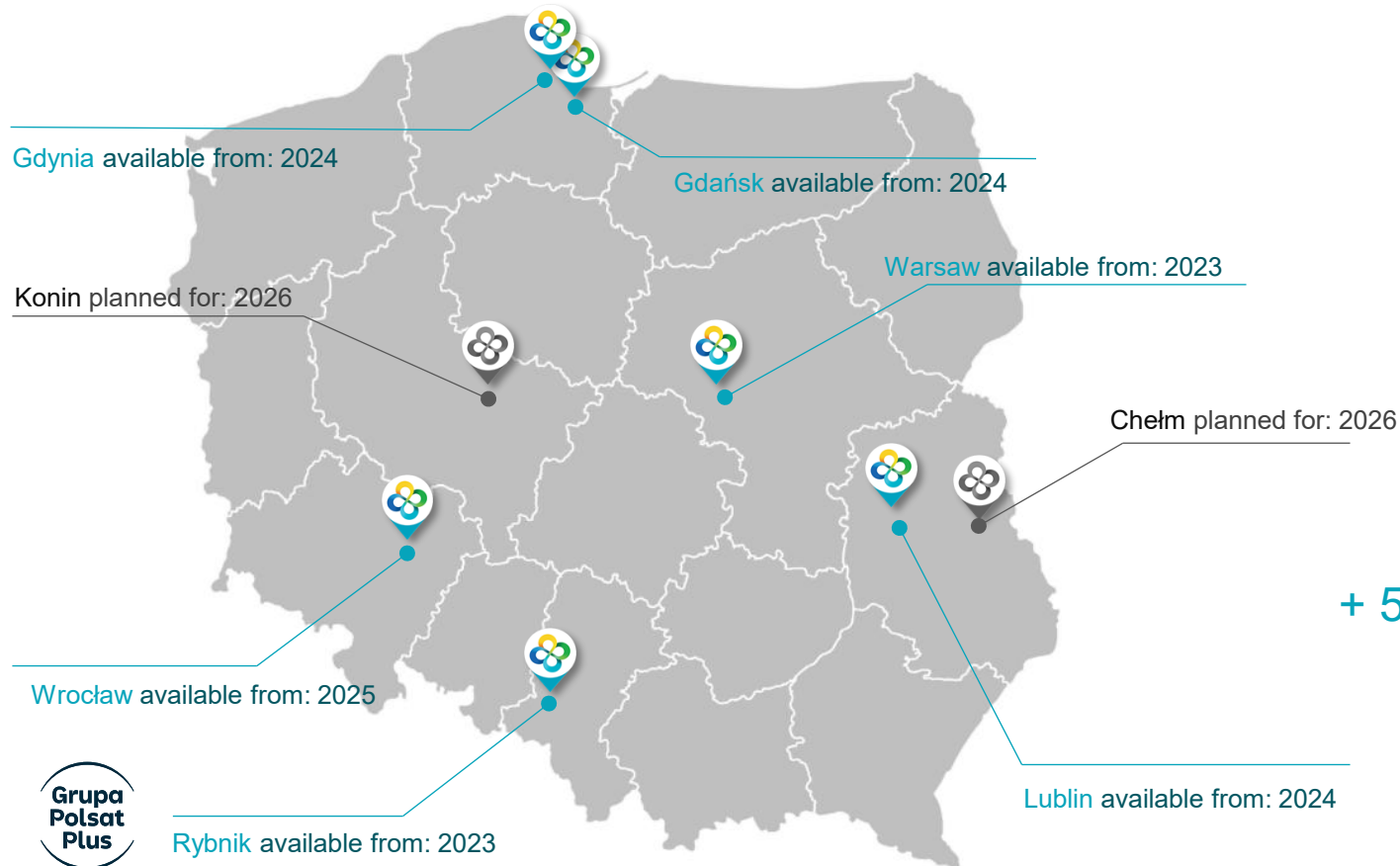


- # We are already operating mobile hydrogen storage units with state-of-the-art IV generation cylinders.
- # We are able to transport around 10 tones of hydrogen per day!
- # 10 trailers for hydrogen transportation purposes and 4 as Tank Containers
- # Hydrogen transport in specialized IV generation cylinder batteries holding >1000 kg of hydrogen (380 bar).



PAK-PCE Stacje H2 (H2 Stations)

We are developing a network of public hydrogen refuelling stations!



+ 5 high capacity, mobile refuelling stations
for 350 bar HDV vehicles

22 500 transaction since 2023
>400 t refuelled hydrogen
5,5 mln km driven by our Nesobus and fleet of hydrogen passenger cars
2 700 t CO₂ were not emitted



stacja
tankowania
wodoru

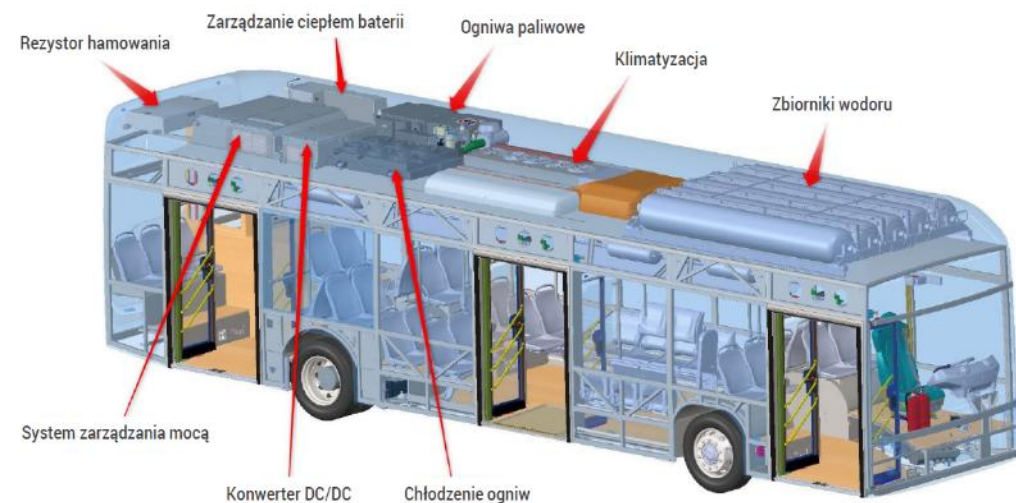


stacja tankowania wodoru

ZIELONY
WODÓR
CZyste
PALIWO

1
H₂
TAKA STACJA
W POLSCE
TANKOWANIE 3 - 4 min
ZASIĘG 850 km
POLSKA BEZ SPALINI

NesoBus - the Polish hydrogen bus with European homologation and in Q3 2026 we plan to launch an Electric Bus

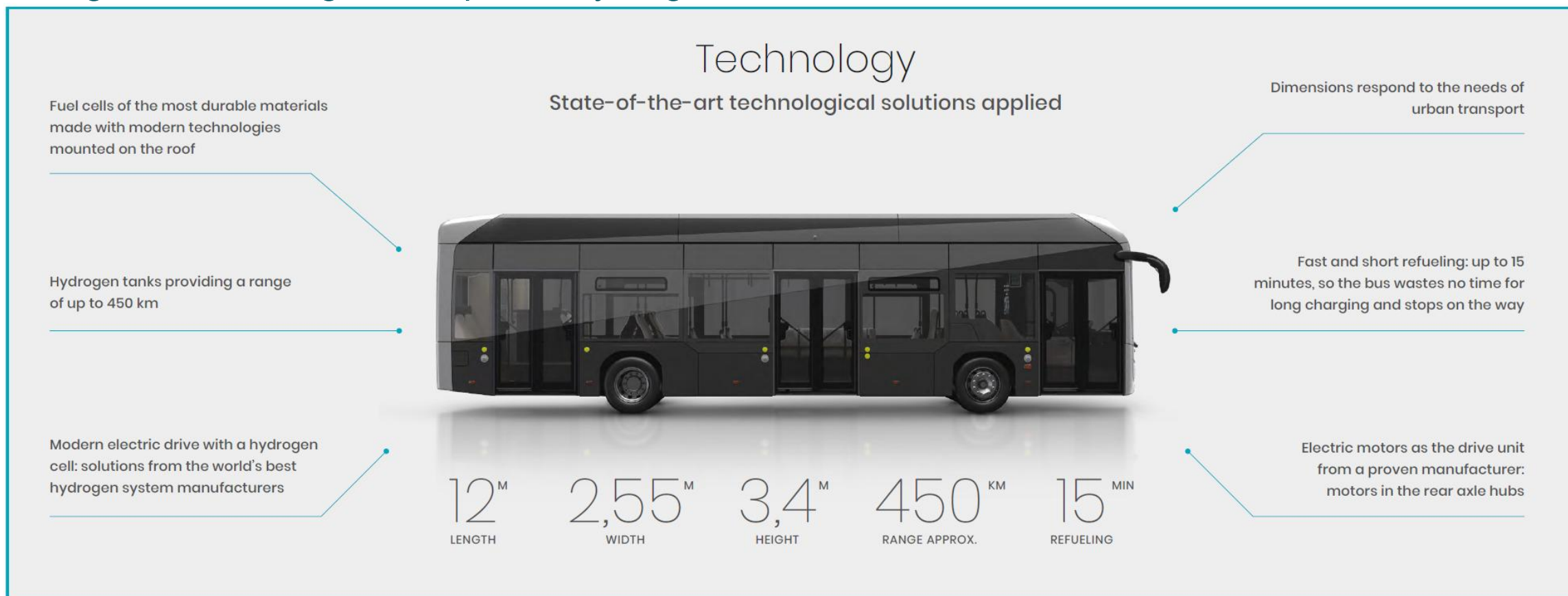


- # NesoBus is fully eco-friendly: no exhaust fumes, extra air purification and a small battery.
- # NesoBus is created from scratch for hydrogen installation, is not a 'conversion' of diesel or electric.
- # Competitive production to NesoBus - hydrogen bus in Świdnik, in an area with long-standing automotive traditions.



PAK-PCE Polski Autobus Wodorowy (Polish Hydrogen Bus)

Neso Bus is first in Poland bus that has been designed from the ground up as a hydrogen



already driven +2 mln km!

>120 units of contracted NesoBuses



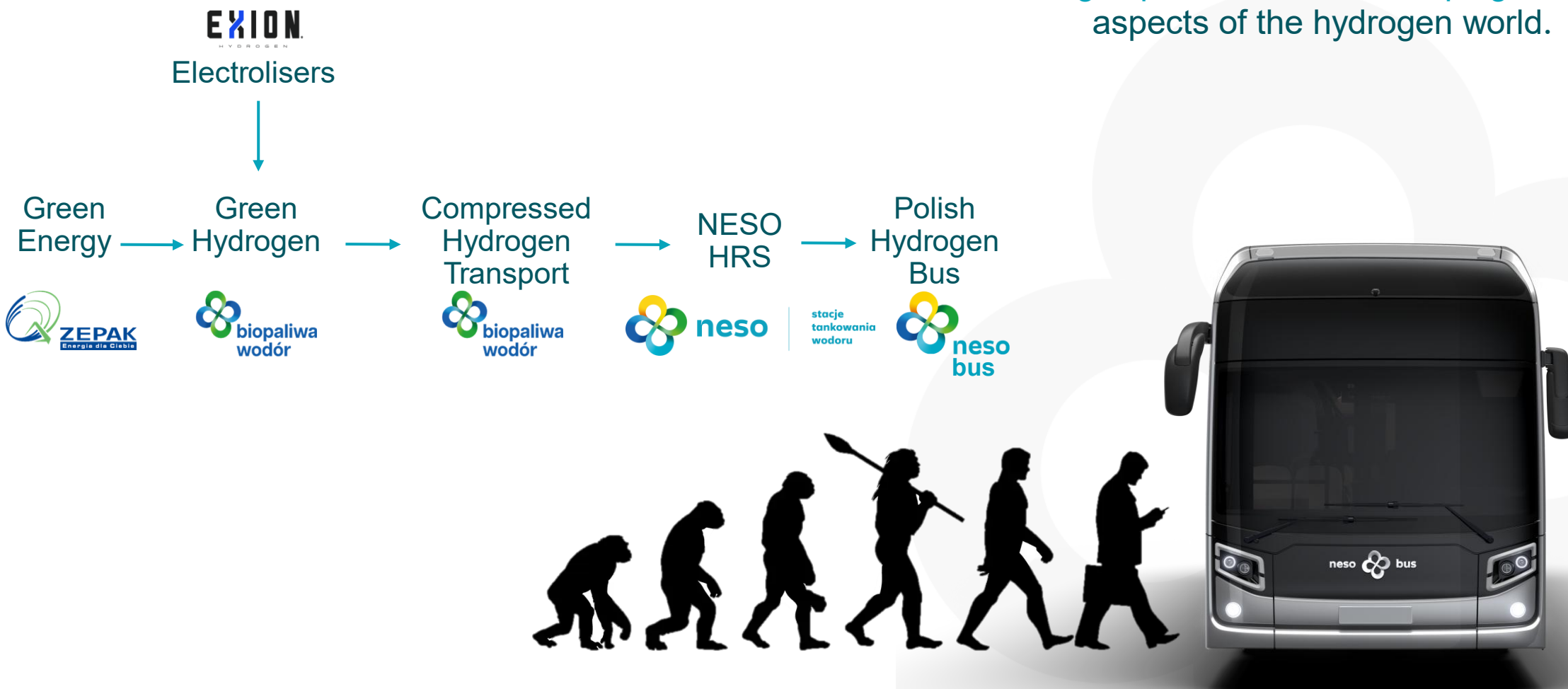
31 buses in operation in Rybnik, 10 in Gdańsk, 5 in Konin (8 to be delivered), 26 in Chełm, 8 to GZM, 10 to Kraków, 20 to Rzeszów and more

We tested NesoBus on regular bus lines in Gdansk, Gdynia, Wrocław, Konin, Warsaw and Kraków.



The chain of mutual benefits

Since 2021, we have been collecting experience and developing all aspects of the hydrogen world.



Thank you for your attention