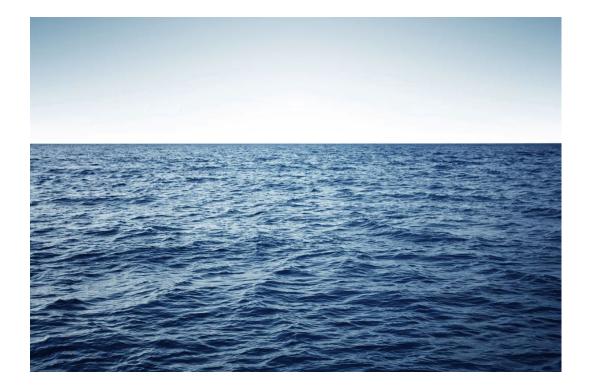
Hellenic • : • Hydrogen

AFFORDABLE HYDROGEN SUPPLY @ LARGE SCALE

Renewable Hydrogen Production in Greece



Czech Hydrogen Backbone Dialogue





- Motor Oil Hellas (MOH) is an energy group based in Greece. Founded in 1970, its refinery, one of the most advanced in Europe, began operation in the Corinth region in 1972.
- ✓ MOH exports to more than 70 countries, operates more than 1,500 gas stations in Greece and employs over 3,000 workers.
- ✓ The Group is also active in renewable energy sources development by investing in alternative energy & renewable fuels through its subsidiaries (AVIN, Coral, Coral Gas, LPC, MORE Energy, nrg Trading S.A., Thalis ES S.A.)



Hellenic • : • Hydrogen

Hellenic Hydrogen S.A. is a company engaged in the development, construction & operation **of renewable hydrogen production projects.** The company was founded in January 2023 and is a strategic joint venture between two major energy companies: **MOH and PPC.**

Leveraging the expertise and experience of its shareholders and investing in highly specialized professionals, Hellenic Hydrogen is moving forward with the implementation of our business and strategic plan. A plan that is supported & aligned by our shareholders strategic move to a greener future.

This plan includes the **development of large**scale renewable hydrogen production projects, targeting high-thermal industry processes, e-fuels and mobility

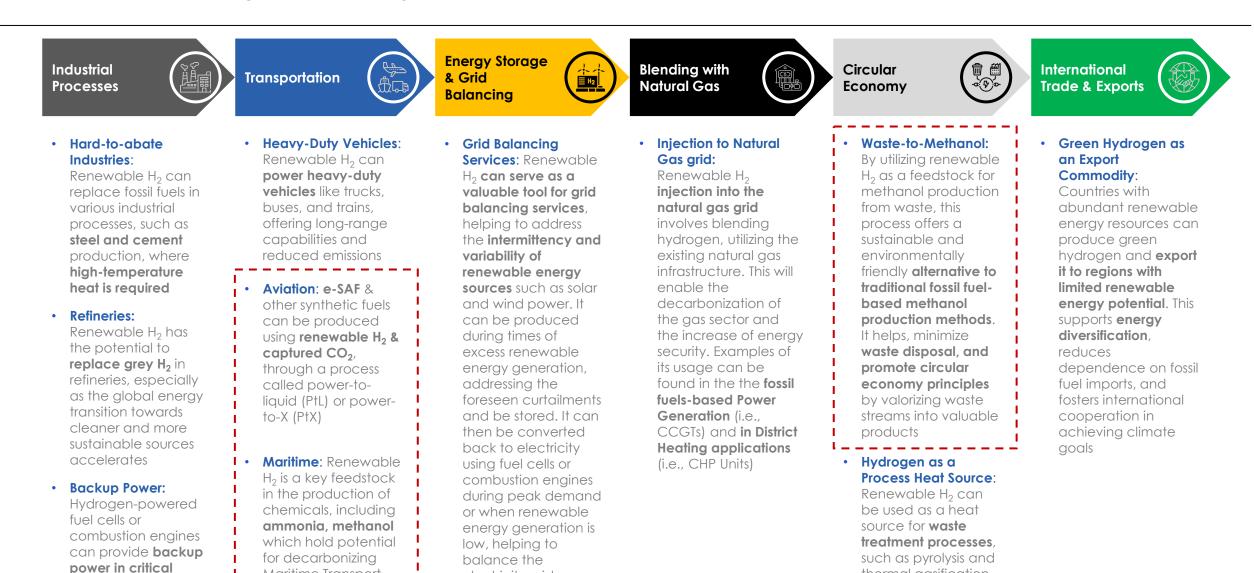


- Public Power Corporation S.A. (PPC) is the leading electricity production and supply company in Greece. Founded in 1950, PPC employs 13k workers, serving 5.7 million customers nationwide.
- PPC has a generating capacity of 10.5 GW in Greece, including thermal, hydroelectric power stations & RES installations.
- As part of its redefined objectives, PPC is advancing decarbonization by accelerating the phase-out of lignite units and promoting investments in Renewable Energy Sources.



Hellenic Hydrogen | Strategic Development Pillars

thermal gasification



Legend

H₂ derivatives

electricity arid

Prague, 5th November 2024 - Czech Hydrogen Backbone Dialogue

infrastructure

Maritime Transport

Amyntaio North_1 | *Project Overview*





Project Overview: Hellenic Hydrogen has decided to prioritize the investigation of the development of a 50 MW Electrolysis Plant (Amyntaio, W. Macedonia) in a decommissioned lignite area through the utilization of Power from RES, seeking to leverage existing Shareholder's assets in the area and create synergies with existing & future hydrogen-related initiatives in Western Macedonia. North-1 will be the very first renewable hydrogen production commercial plant in Southeast Europe



Type: Brownfield

Electrolyser Size (MW): 50 (ability for +150 MW)



Q tîlît

。 他

Off-taking: CHP Unit (Kardia) & heavy-duty vehicles (W. Macedonia)

Location benefits: Expandability, RES abundance, proximity to Natural Gas grid, existing electric grid & water utilities, Skilled workforce & existing facilities for re-use



Economic Feasibility – Sustainable design

B2B Oriented Networks – H_2 pipelines are expected to connect Producers with Thermal End Customers.

Ports & Terminals – Dedicated efficient Networks.

Public-private partnerships, **government incentives**, and a phased approach to infrastructure development can help reduce the economic burden.

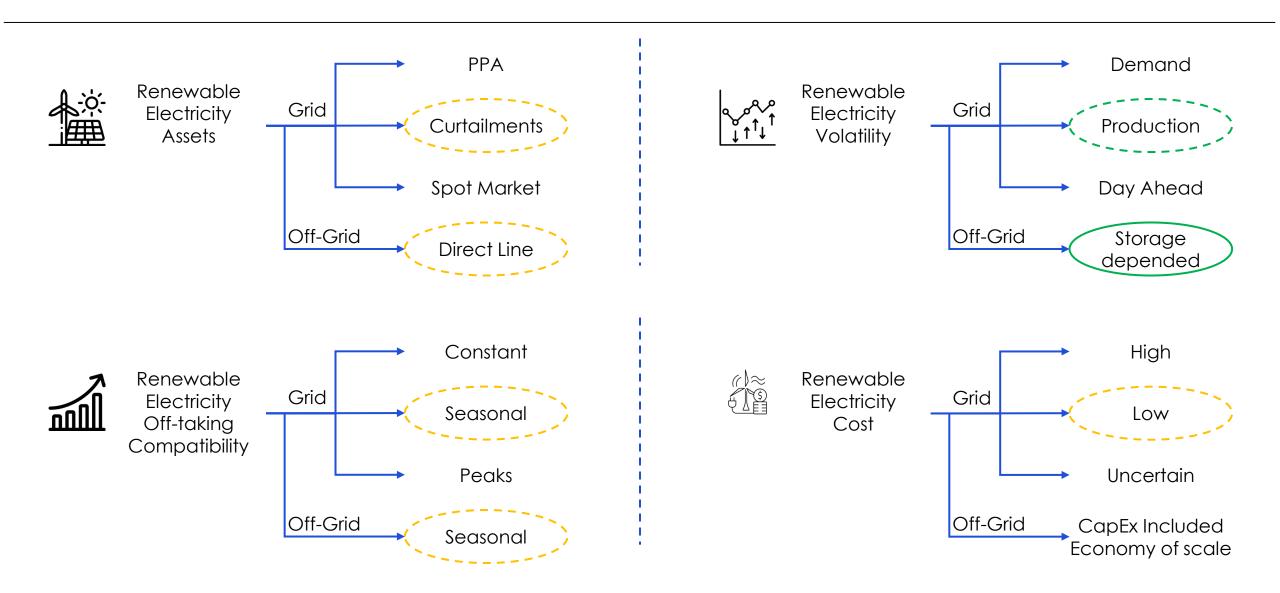
H₂ Points of Delivery – Strong Potential

On the way to a Zero-Emission production, H_2 is the only fuel that can fully substitute fossil fuels in the **High Thermal Industry**.

Industry sectors such as Metallurgy, Glass, Pottery and Pasteurization have no other path to follow than preparing to accept H_2 -ready technologies.

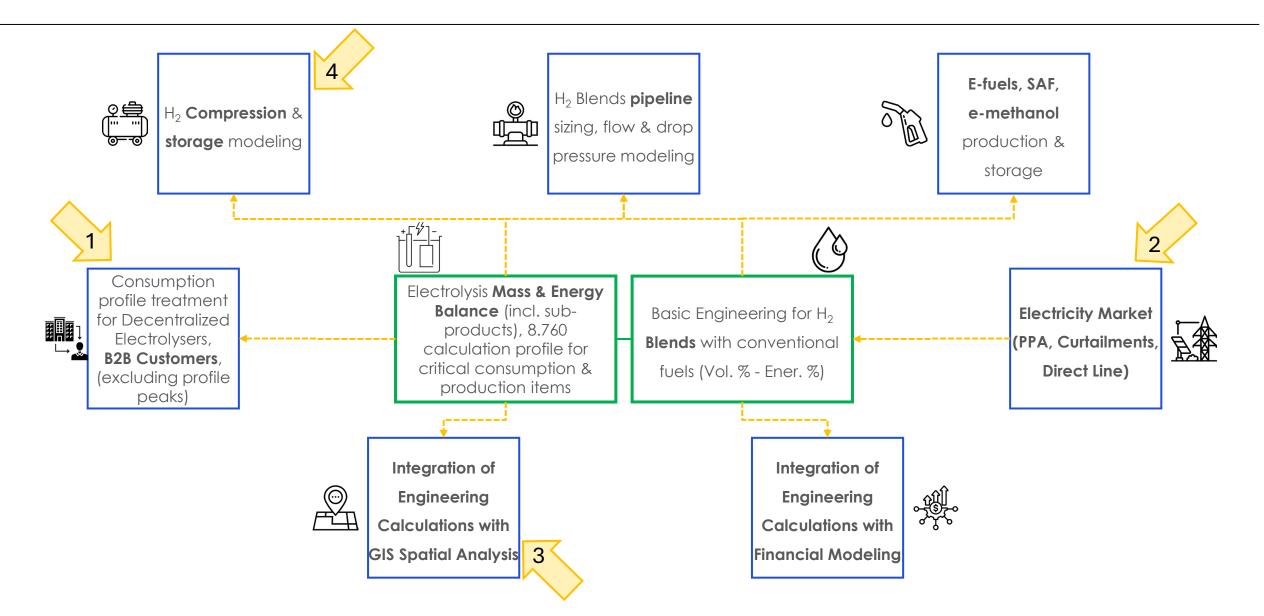
E-fuels & Ammonia are standing as a second fundamental for H₂ consumption.

Naval transports, Aviation and Heavy-Duty Vehicles can find into H_2 derivatives all the answers to their energy transition questions.

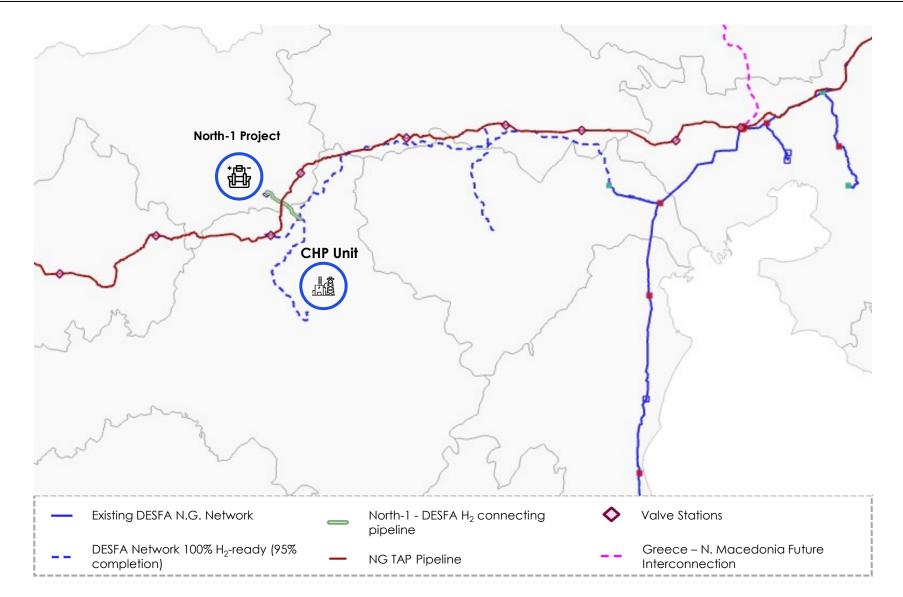


H₂ Large-Scale Production | Storage & Transportation | Engineering

Hellenic • : • Hydrogen



North_1 | Infrastructure Development | Critical Aspect



Prague, 5th November 2024 - Czech Hydrogen Backbone Dialogue

Hellenic • : • Hydrogen

Thank you for your attention!