



Renewable & Storage Forum 2024

Υδρογόνο, Βιοαέριο, πράσινα αέρια, CCUS: Τα projects, οι υποδομές και οι χρονικές δεσμεύσεις

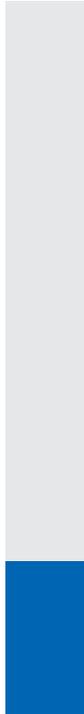
November 2024



Transforming into a Multi-Energy Leader in Southeastern Europe

...while Delivering one of the Largest Energy Transition Programs in the Region

> € 1.5bn



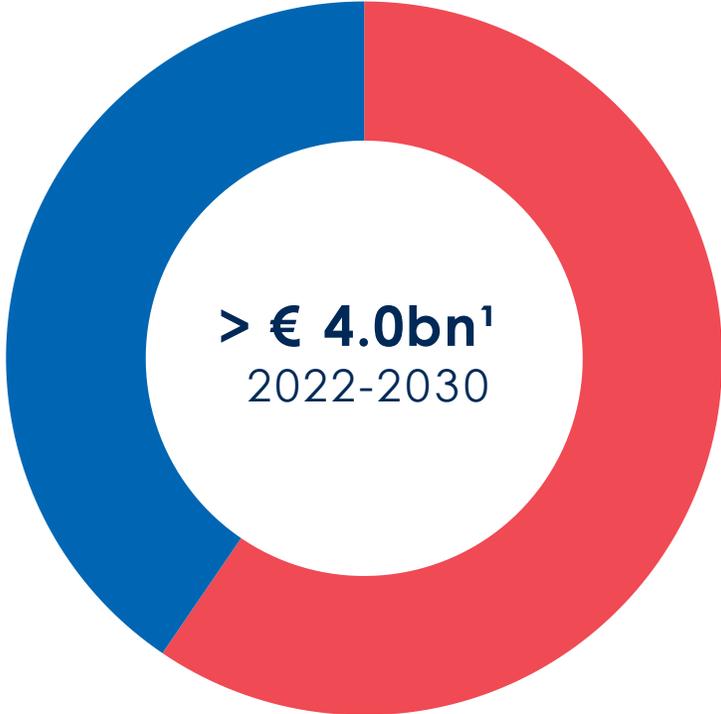
Maintenance & Resilience

Facilities Maintenance

Logistical Improvements

Digitalisation

Efficiency and HSSE projects



> € 2.5bn



Growth & Energy Transition

Renewable Energy Sources

Petrochemicals

Natural Gas

Biofuels

Hydrogen

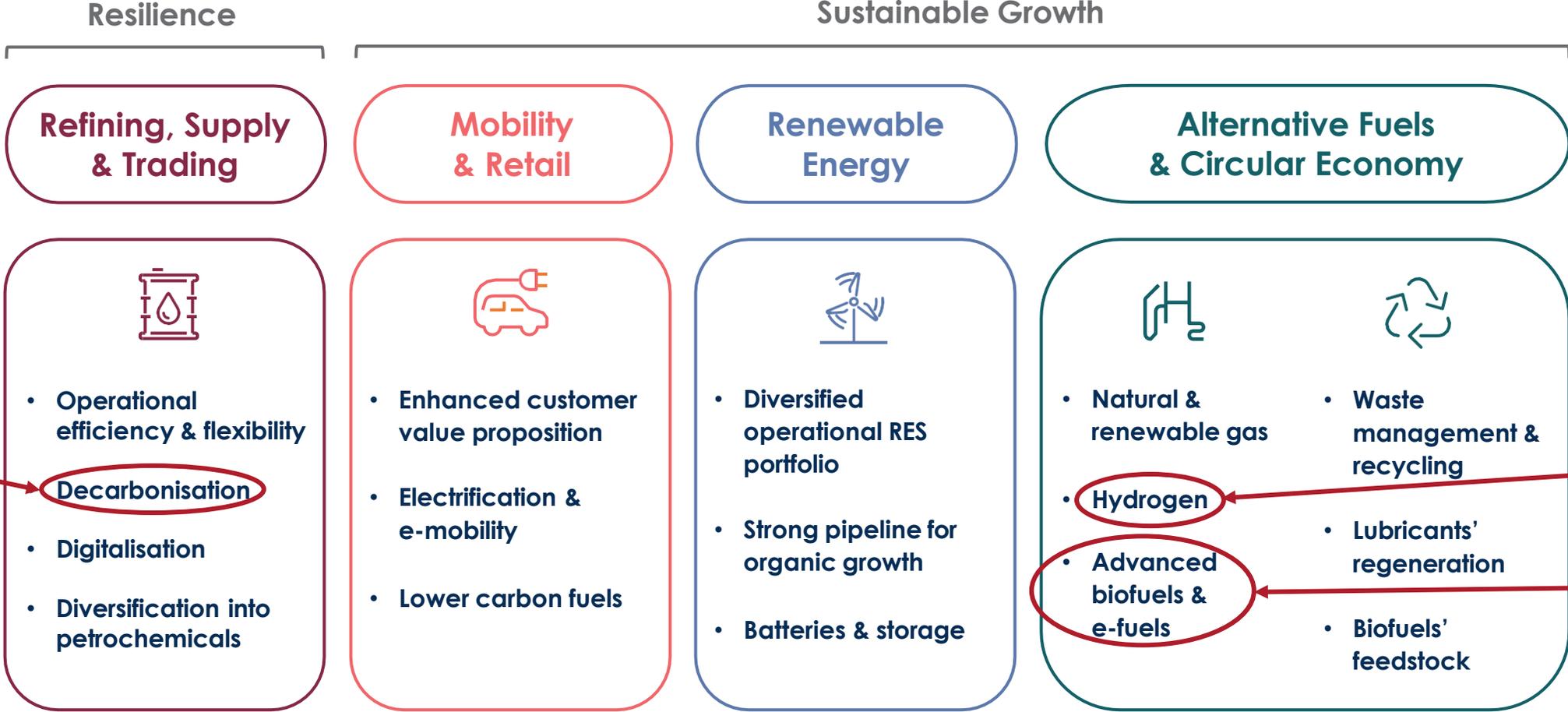
Decarbonisation

In the last 12 months, we made significant progress towards our energy transition plan, delivering results in advance of the original timeline

Notes: 1. Including mergers, acquisitions and investments.

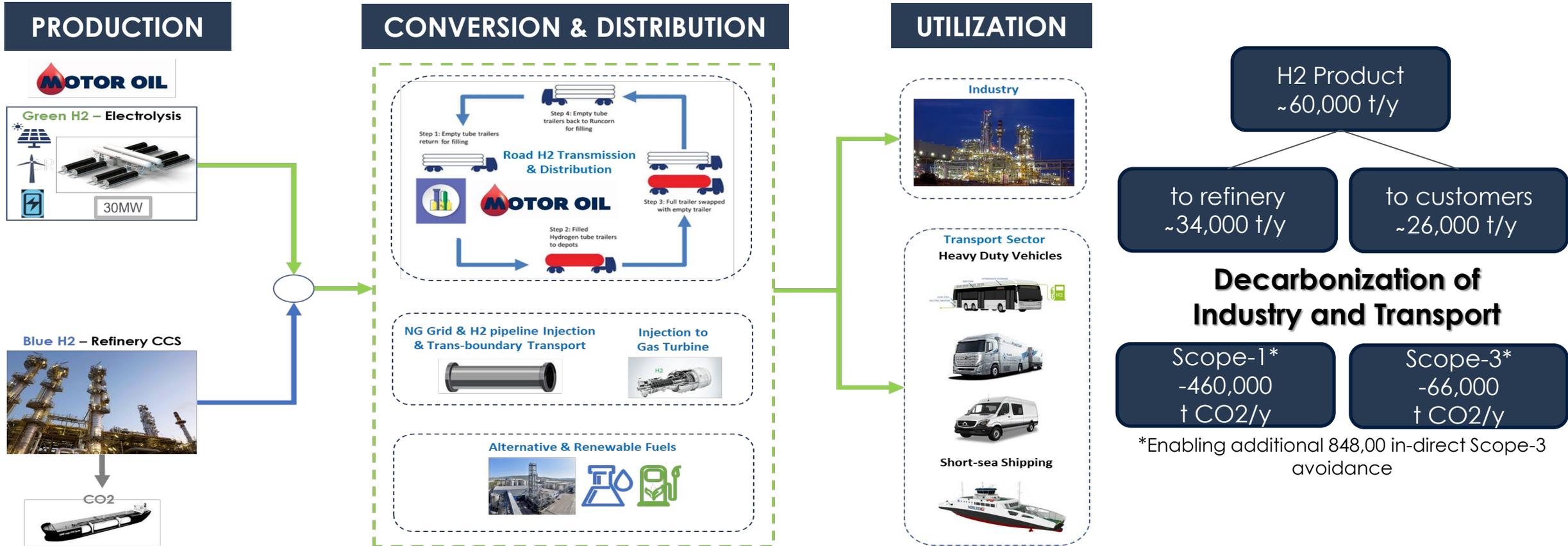
Group Strategic Plan towards Energy Transition

Four Pillars for Resilience and Sustainable Growth



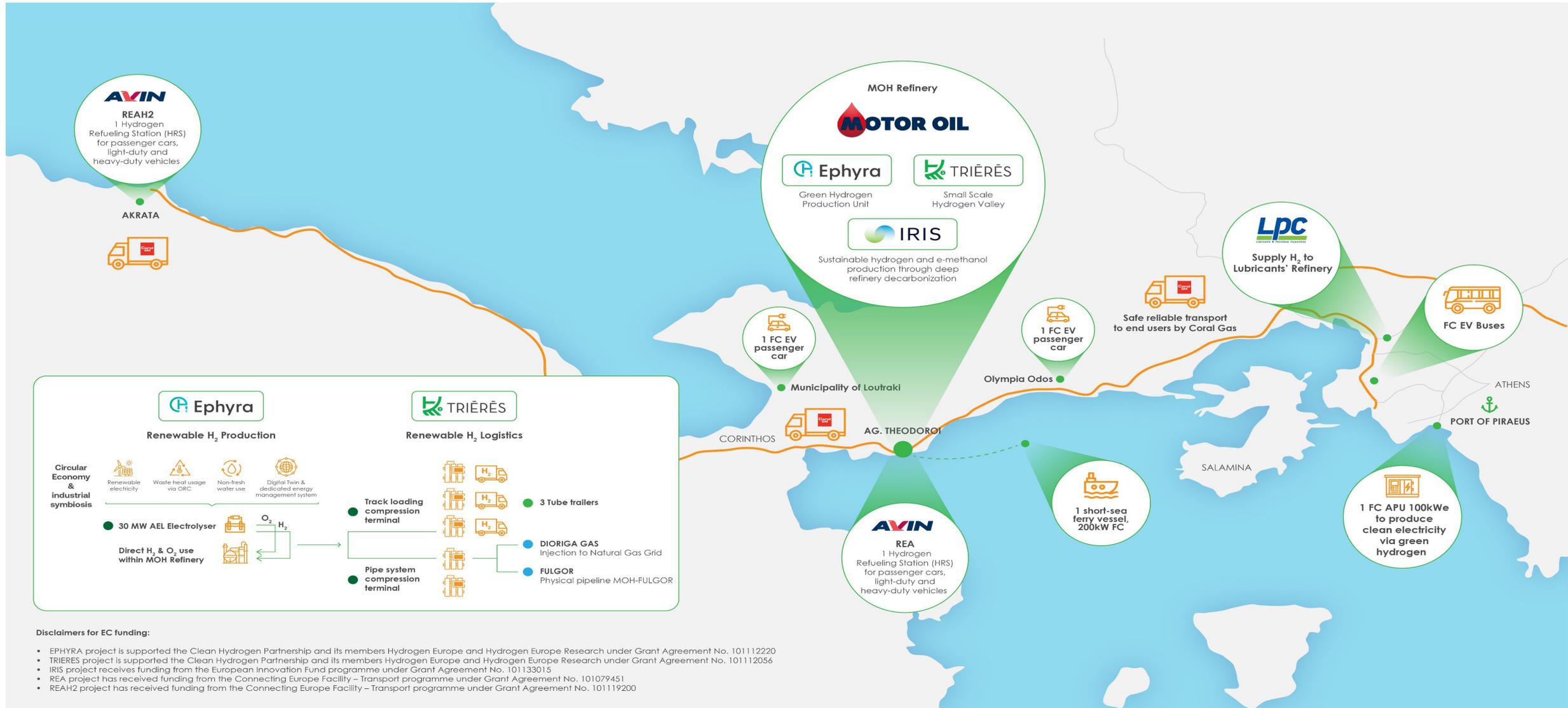
BLUE MED: The Path Towards a Low Carbon Energy Hub in East Med

Phased development of flexible, scalable and cost advantaged infrastructure for the production and distribution of Renewable & Ultra-low Carbon Hydrogen for use in industry and transport.



H2 Greek Value Chain Development

...from enhanced renewable H2 production to innovative energy pilots, applications and operations



Focus on Green Transformation/Hydrogen projects

Valorising EU Funding Instruments through landmark projects



Horizon Europe / Clean Hydrogen JU

Towards the development of a hydrogen valley demonstrating applications in an integrated EcoSystem in Greece

5 countries 26 partners

2,410 t/y of green H2 supplied 9,880 t/y CO2 removed

58M ~ 5y 7/2023 – 4/2028 8M EU grant in €



Horizon Europe / Clean Hydrogen JU

Establishing European Production of Hydrogen from Renewable energy and integration into an industrial environment

7 countries 10 partners

30MW electrolyser 18M total EU grant in €

60M ~ 5 years June 2023 – May 2028



Innovation Fund

Innovative low carbon hydrogen and methanol production by large scale carbon capture

Beneficiary Motor Oil (Hellas) **Location** Greece

Amount IF grant € 126.790.000 **Sector** Refineries

Duration 168 months **Planned date of entry into operation** July 2028



Connecting Europe Facility

Construction of 3 HRS for passenger, light-duty and especially long-haul heavy-duty vehicles

Beneficiary AVIN **Number of HRSs** 3

Locations Ag. Theodoroi, Akrata

...from design to implementation...



Acquisition by Motor Oil of four (4) Multiple element hydrogen gas containers (tube trailers) for transport and storage. First use during JIVE bus roadshow in GR



Vendor selected and FEED for electrolyser kicked off
Project on track to deliver Green H2 by 2026

MOTOR OIL PROJECT		PRE FEED		MILESTONES		Page 14/2	
Activity	Start	End	Progress	Start	End	Progress	Start
PROJECT INITIATION AND MANAGEMENT							
MOI-001-01	01/01/2024	01/01/2024	100%				
MOI-001-02	01/01/2024	01/01/2024	100%				
MOI-001-03	01/01/2024	01/01/2024	100%				
MOI-001-04	01/01/2024	01/01/2024	100%				
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MOI-001-07	01/01/2024	01/01/2024	100%				
MOI-001-08	01/01/2024	01/01/2024	100%				
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MOI-001-99	01/01/2024	01/01/2024	100%				
MOI-001-100	01/01/2024	01/01/2024	100%				

PreFEED progression with the contractor, licensor NDA signing process and licensor engagement on technical alignment



The 1st commercial, publicly available Hydrogen Refueling Station (HRS) will be installed inside a new service station of AVIN OIL (AVIN) located near the central TEN-T road network in the area of Ag. Theodoroi, Corinth, Greece. In operation in Q1 2025

Challenges and Opportunities

Challenges

- Immaturity of
 - technologies
 - markets
- Lack of
 - national strategic plan
 - incentives
- Competitiveness
- Carbon leakage
- Net zero –
Decarbonisation targets

Opportunities

- Energy Independence
- New markets
- New jobs
- New productivity model
-



Thank you!

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November 2024

