PROGETTO H2VE HYDROGEN VALLEY IN UMBRIA

Forum Energia Umbria Marsciano 21-11-2025

Co-funded by the European Union

H2VE



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H2VE

Hydrogen Valley Vocational Excellence Hub

February 2025 – January 2028

GA 101194163

Funding = **3.16 M€**

ERASMUS-EDU-2024-PEX-COVE



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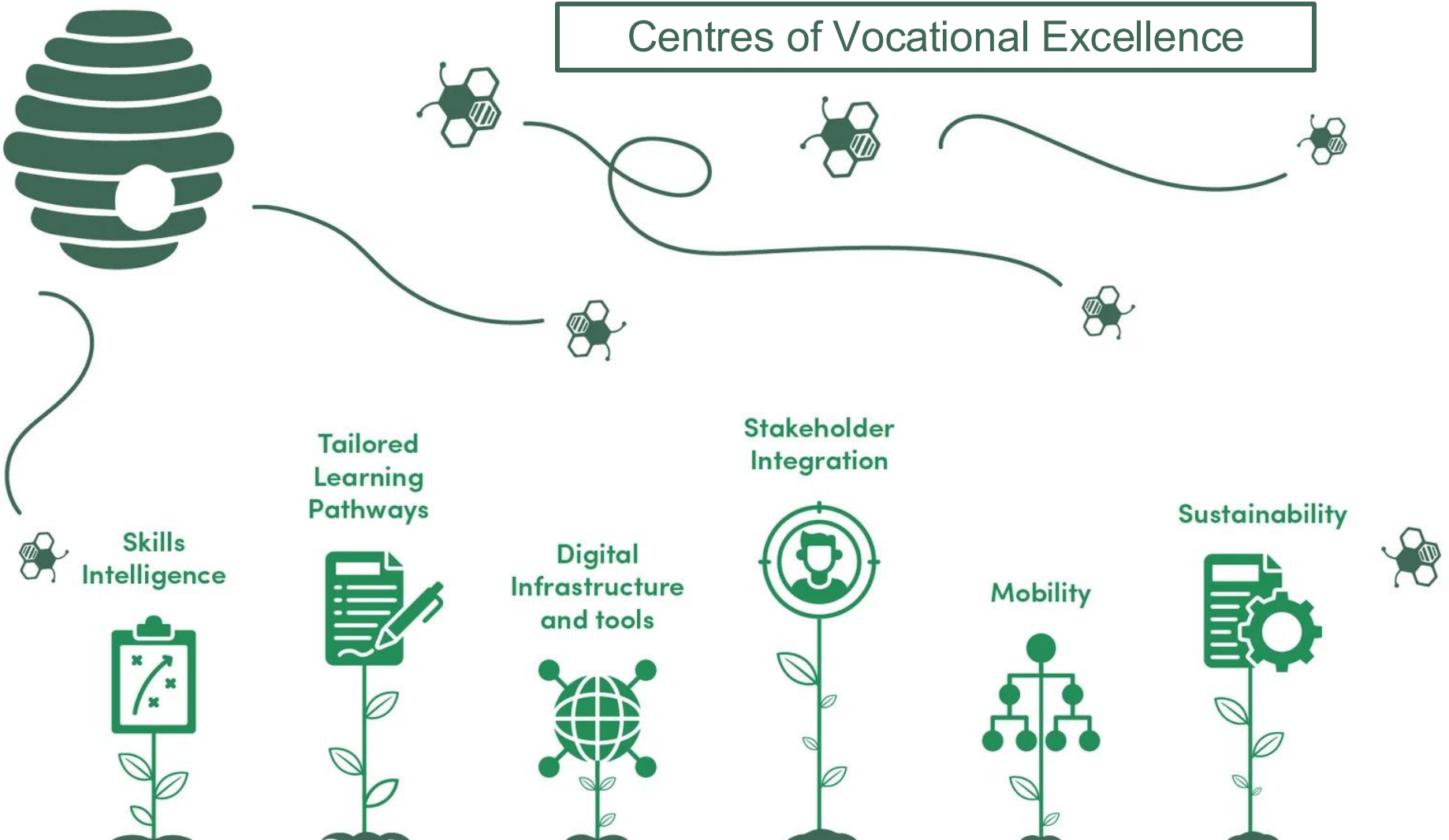
Centres of Vocational Excellence



H2VE

Le Hydrogen Valley sono aree geografiche in cui l'idrogeno pulito viene prodotto e utilizzato localmente da famiglie, trasporti locali e impianti industriali.

Le Hydrogen Valley mostrano come funziona a livello locale l'economia dell'idrogeno dell'Unione Europea e coinvolgno i cittadini.

Le Hydrogen Valley possono essere interconnesse tramite corridoi dell'idrogeno.

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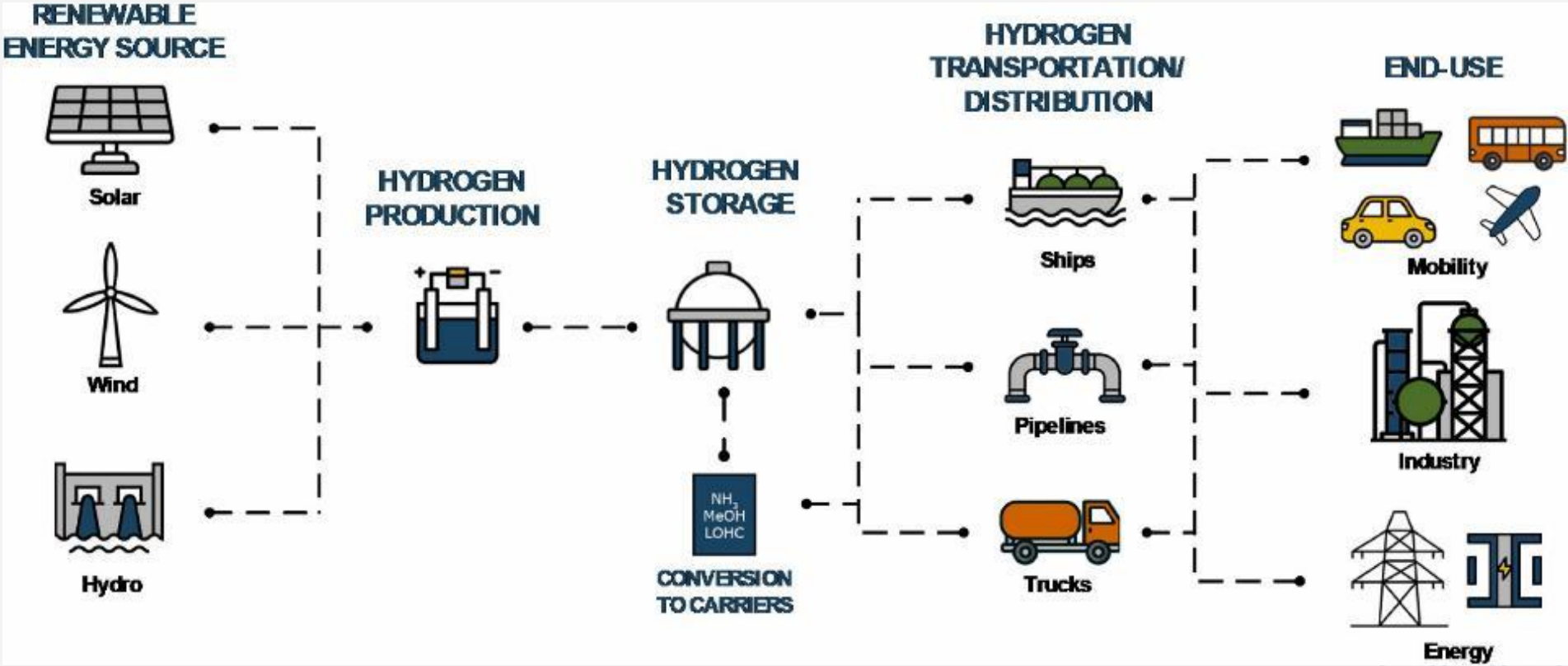
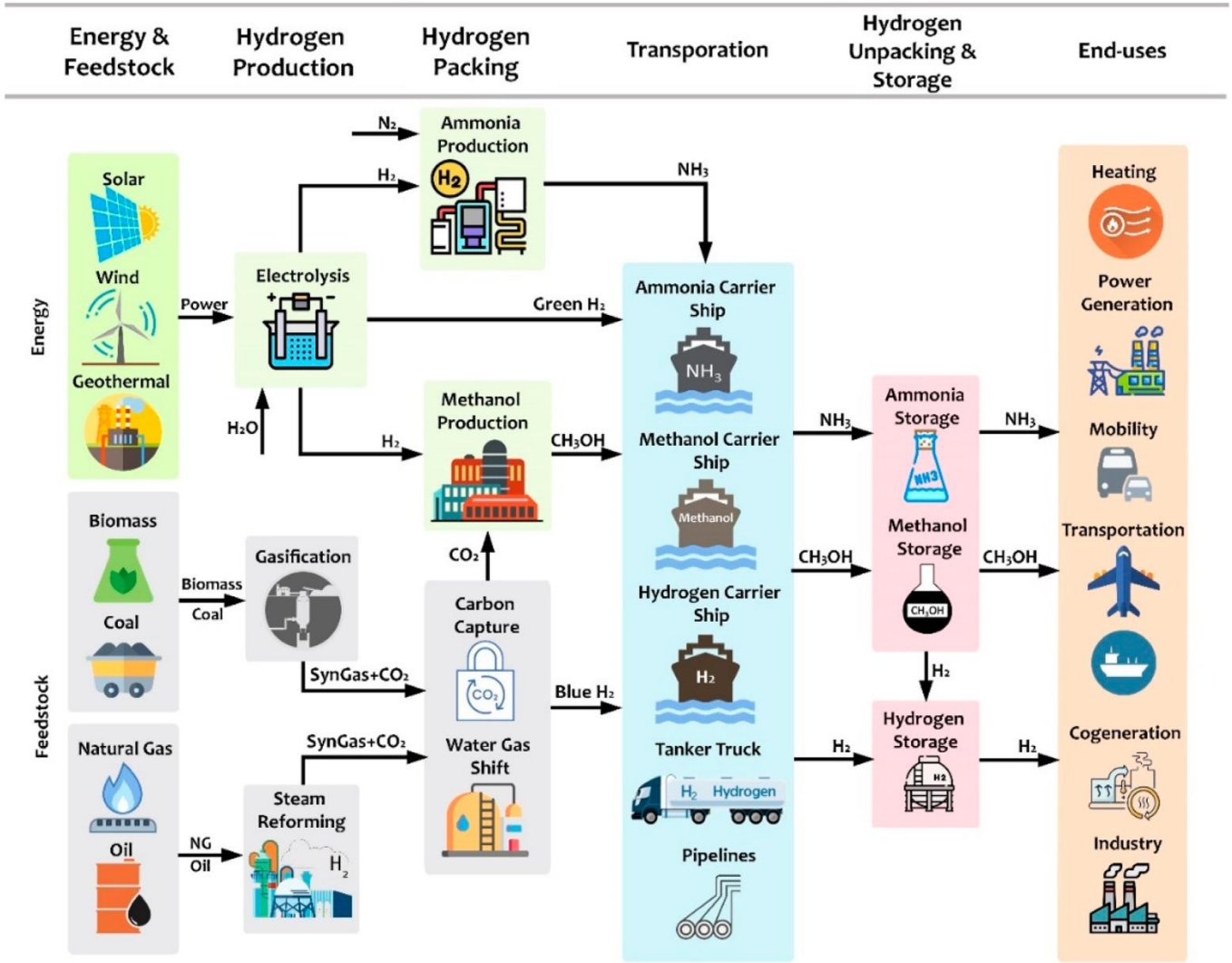
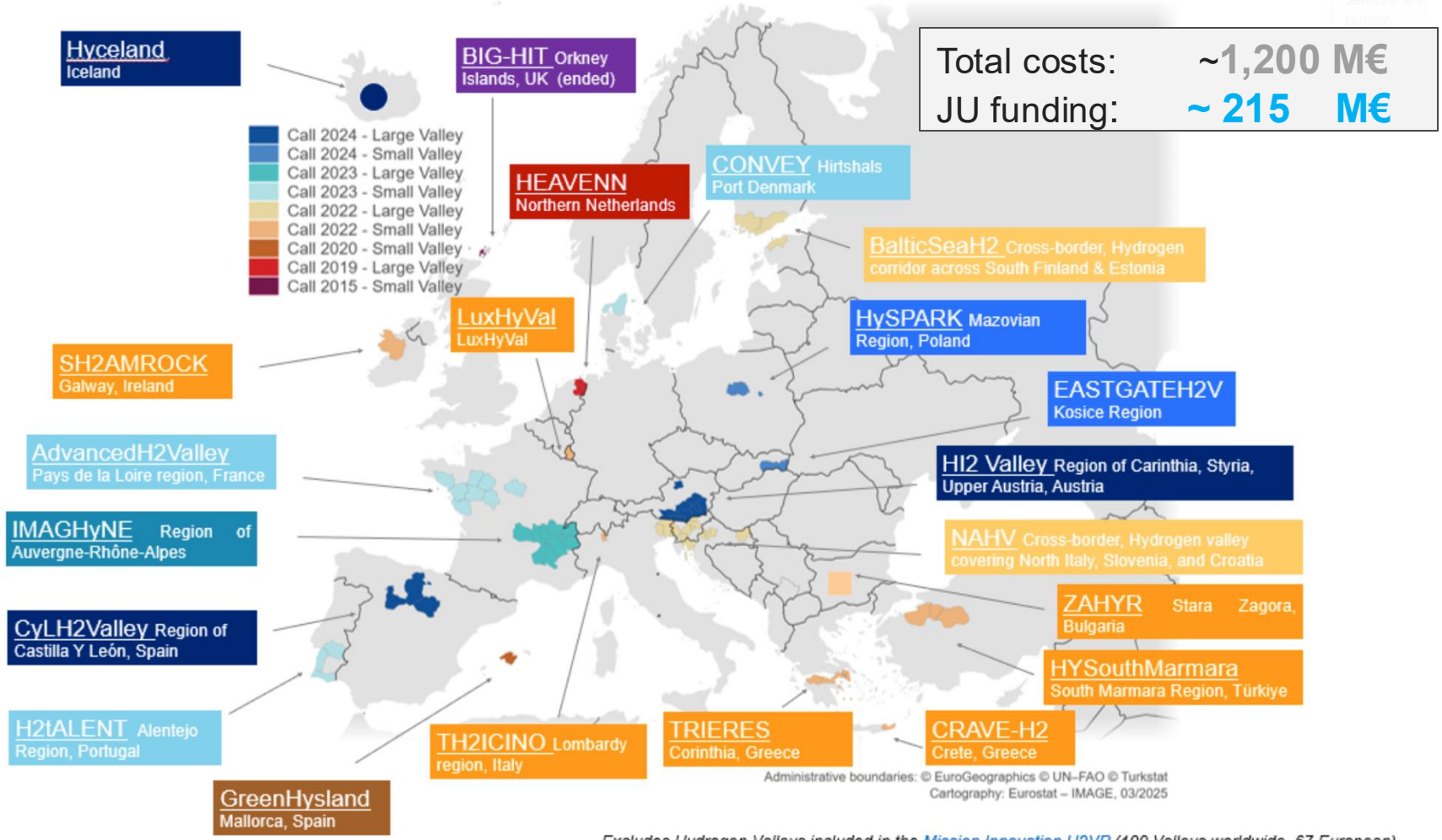

RENEWABLE ENERGY SOURCE
Solar
Wind
Hydro
HYDROGEN PRODUCTION
HYDROGEN STORAGE
NH3
MeOH
LOHC
CONVERSION TO CARRIERS
HYDROGEN TRANSPORTATION/ DISTRIBUTION
Ships
Pipelines
Trucks
END-USE
Mobility
Industry
Energy


Energy & Feedstock
Hydrogen Production
Hydrogen Packing
Transporation
Hydrogen Unpacking & Storage
End-uses
Energy
Feedstock
Solar
Wind
Geothermal
Biomass
Coal
Natural Gas
Oil
Power
Electrolysis
H₂O
N₂
H₂
Ammonia Production
NH₃
Green H₂
Methanol Production
CH₃OH
CO₂
Biomass
Coal
Gasification
SynGas+CO₂
Carbon Capture
Water Gas Shift
Blue H₂
NG
Oil
Steam Reforming
Ammonia Carrier Ship
Methanol Carrier Ship
Hydrogen Carrier Ship
Tanker Truck
Hydrogen
Pipelines
Ammonia Storage
Methanol Storage
Hydrogen Storage
Heating
Power Generation
Mobility
Transportation
Cogeneration
Industry



Total costs: ~1,200 M€
JU funding: ~ 215 M€

Excludes Hydrogen Valleys included in the Mission Innovation H2VP (100 Valleys worldwide, 67 European)

Hydrogen Valleys supported by the Clean Hydrogen Partnership

H2VE

E in Umbria?

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GUESS·WHy

Budget = **1.5 M€**

H2Excellence

Budget = **4 M€**

H2 GREEN SKILLS FOR HYDROGEN

Budget = **3.79 M€**

Life3H

Budget = **8.74 M€**

SYRIUS
HYDROGEN FOR SUSTAINABLE STEEL

Budget = **10 M€**



CERAMICHE NOI
MADE IN ITALY

H2VE

Budget = **3.95 M€**

GAP
TRUE AS STEEL

Budget = **2.2 M€**

SANGRAF.
INTERNATIONAL

Budget = **7.38 M€**

HEHS
HIGH EFFICIENCY HYDROGEN STORAGE

Erasmus+

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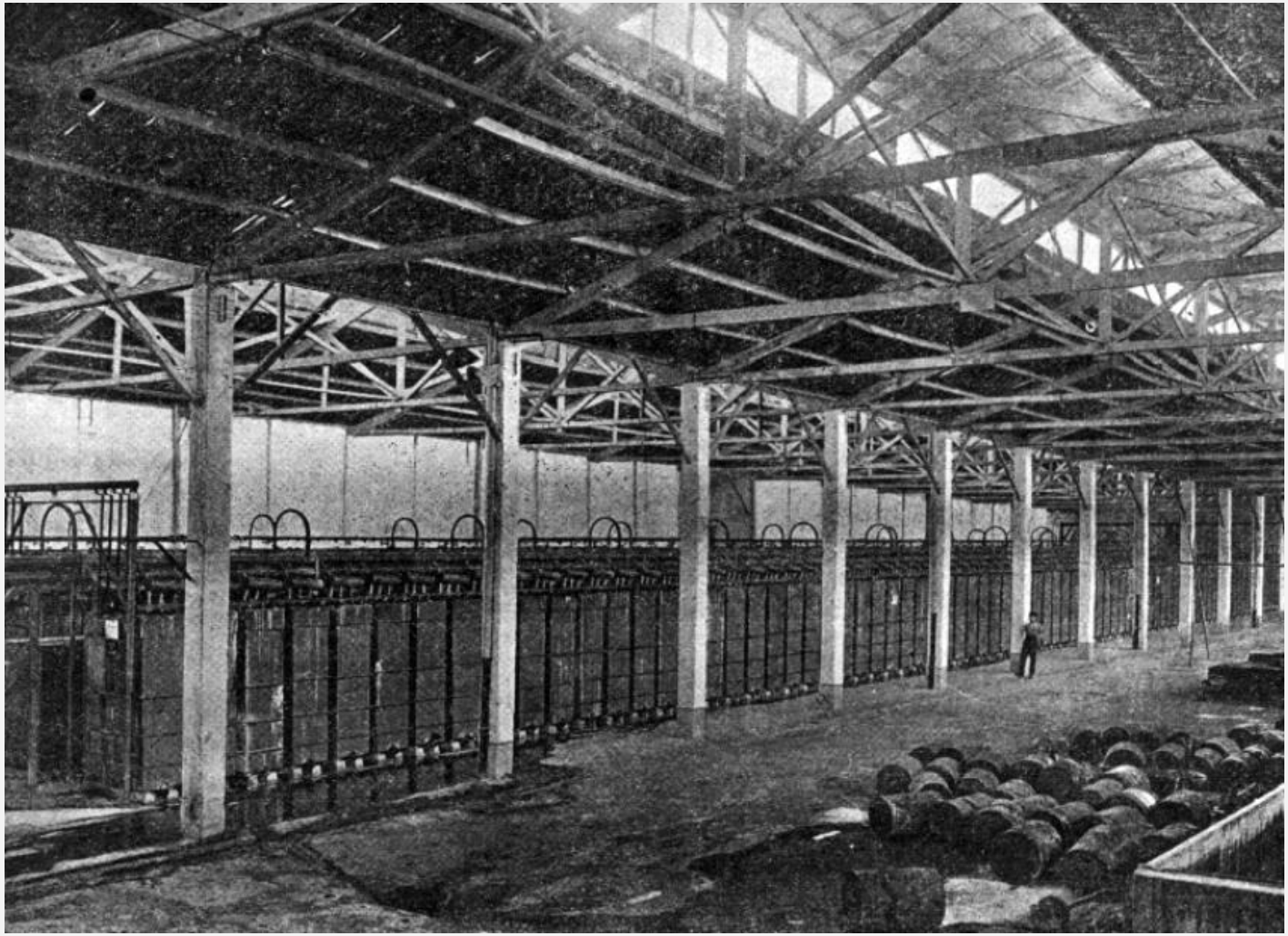
MINISTERO DELL'AMBIENTE E DELLA SICUREZZA ENERGETICA

Life



Un elettrolizzatore SOEC nell'Acciaieria di Terni, ecco il progetto SYRIUS

By **Andrea Potestà** *7 Marzo 2025*

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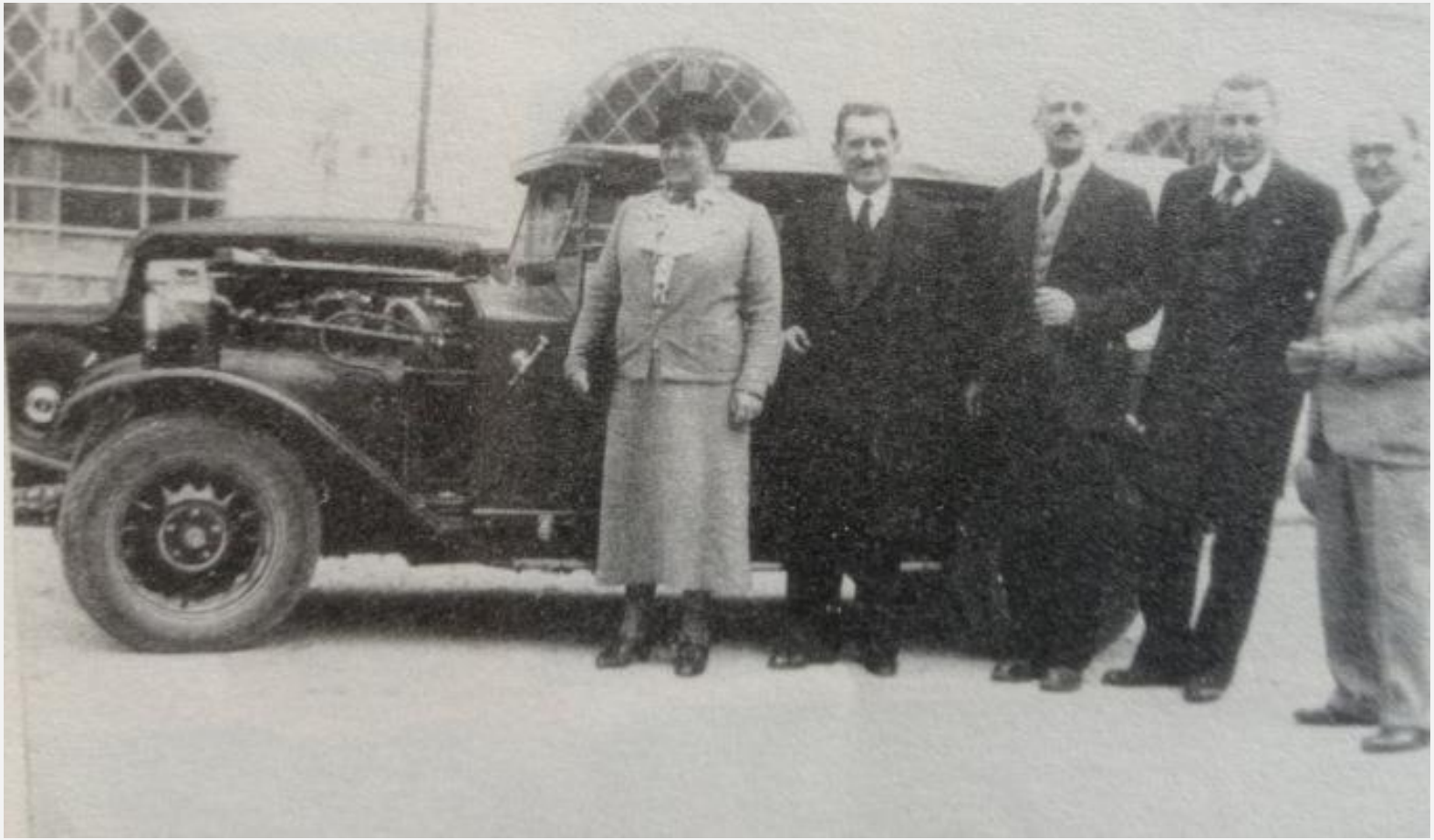


HYDRON
H2
450 KM DI AUTONOMIA
AUTONOMY 450 KM
H2



European Commission | Regione Umbria | SVILUPPUMBRIA | enterprise europe network | unipg | H2VE

Grazie

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