Pioneering the future: introducing a new framework for Europe´s hydrogen and gas market decarbonization

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Andalusian Green Hydrogen Valley

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Andalusian Green Hydrogen Valley

Key figures for 2030

2 GW
electrolysis

300 kty
hydrogen

600 kty
ammonia

300 kty
methanol

100 kty
eSAF

12k
new jobs created

5,000 M€
Investment

7 Mty
CO2 emissions avoided

In 2025 the Valley has been awarded with three important European funding programs:

CEF-Energy

13 M€

Andalusian Green H2 Valley - Studies

Several engineering studies for the 1st phase of the Valley

CEF-Transport

30 M€

LUXIA Bunker

14M€ for the development of methanol bunkering system at Huelva

CARTEIA Bunker

16M€ for the development of ammonia bunkering system at Cádiz

PERTE ERHA - Valles H2

304 M€

ONUBA Project - 1st Phase

Construction of the first 400 MW in Huelva

Next calls waiting for results:

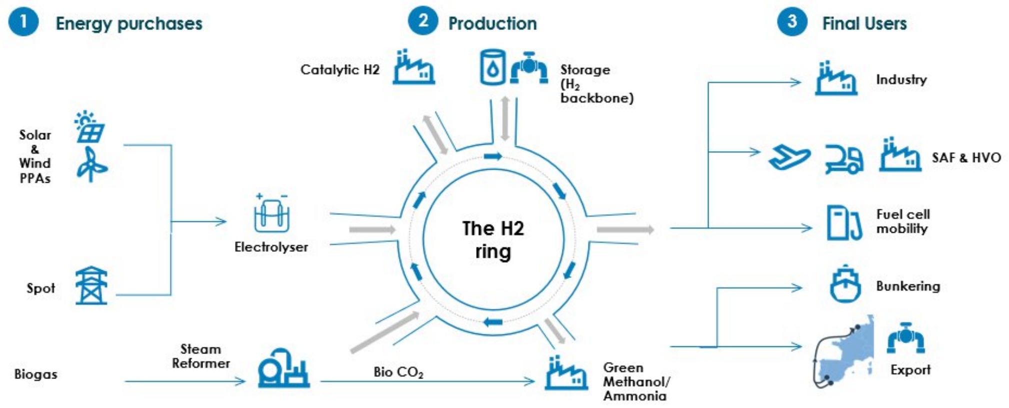
INNOVATION FUND - EUROPEAN HYDROGEN BANK 2024

- 80 MW Project in Huelva
- Presented: February 20, 2025

INNOVATION FUND - Call 2024

- Two proposals: LUXIA & CARTEIA
- Presented: April 24, 2025

Measures to foster project development and optimize H2 and derivatives costs



Committed demand

Secured access to transmission grid for electrolysers & linked RES supply via PPA

€ Competitive Power Supply

Reduction of regulated costs:

- Creation of a new&reduced access tariff for electrolisers
- To minimize the impact of the hourly temporal correlation:
  - RES production linked to H2 projects should be prioritized in case of programs reductions are required by the TSO.
  - Power storaged in desentralised batteries should be accepted

RFNBO certification (ISCC, Certifhy, others): Urgent development to reduce uncertainties on products definition & requirements.

Funds: enough to cover funding gap and only for mature projects. Allocation allways considering GHG emissions reduction.

Thank you!

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