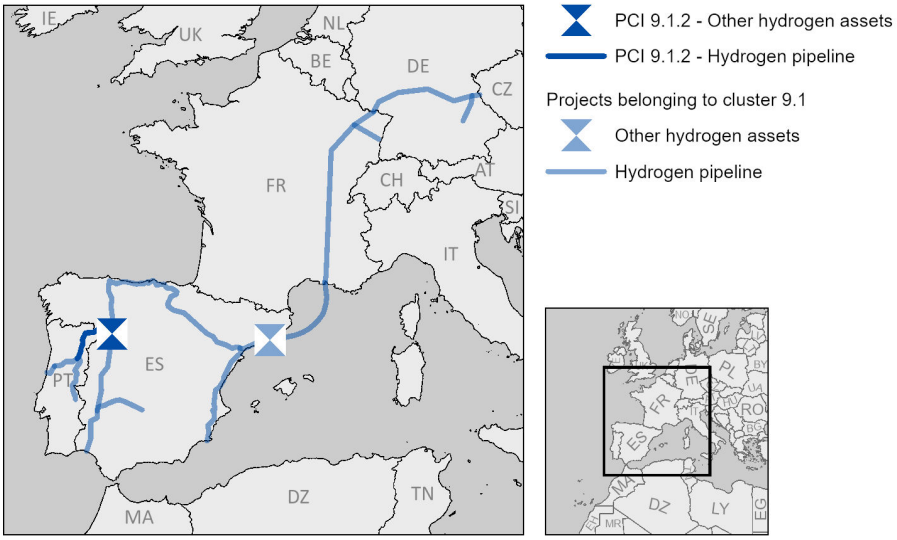
European Commission

Project of common interest:

9.1.2

Hydrogen interconnector Portugal – Spain

Hydrogen interconnections in Western Europe



Source: PLATTS, GISCO, European Commission

CATEGORY
Hydrogen and Electrolysers

CLUSTER
9.1: Corridor Portugal – Spain – France – Germany (hydrogen)

COUNTRIES CONCERNED
Spain(ES)
Portugal(PT)

PROMOTERS
Enagás Infraestructuras de Hidrógeno (ES)
REN - Gasodutos, S.A. (PT)

PCI WEBSITE(S)
https://www.enagas.es/en/energy-transition/gas-network/energy-infrastructure/hydrogen-transmission/

LOCATION
Portugal, Spain

COMMISSIONING DATE
2030

Technical description

H2Med/CelZa is part of H2Med project.

The project consists in developing an interconnection between Celorico da Beira (PT) and Zamora (ES). Its objectives cover transportation of renewable hydrogen (approx. 0.75 Mt/y) from Portugal to Spain by 2030. The infrastructure consists of a pipeline with a length of ca. 162 km in the Portuguese section and 86 km in Spain with a diameter of 28" and a compressor station of 24.6 MW in Zamora.

The project H2Med/CelZa together with H2Med/BarMar interconnection project will enable the emergence of one of the major hydrogen corridors via the Mediterranean identified in the REPower EU.

The expected transmission capacity is 0.75 Mt/y.

LAST UPDATE
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Benefits and contribution to objectives referred to in TEN-E Article 1

The project will contribute to climate change mitigation by bringing additional sustainability benefits by reducing the CO2 emissions. It will also contribute to increased interconnectivity and improve hydrogen market integration. More details and explanations on the benefits of the project are available at:
https://www.entsog.eu/sites/default/files/2023-09/1.PS-CBAs_Project_Fiches.zip

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1. Implementation status

Permitting

2. Timeline of the implementation plan (*)

2.1 Estimated timeline for the completion of feasibility and design studies for the project

Project stage	Start date	End date
Feasibility study	01/01/2024	30/09/2025
FEED study	01/10/2025	31/07/2026

2.2 Estimated timeline for obtaining the approval by the national regulatory authority and the Final Investment Decision

Project stage	Date of request	Date of decision
Approval by the NRA	NO DATA	NO DATA
CBCA (if applicable)	NO DATA	NO DATA
Exemption (if applicable)	NOT APPLICABLE	NOT APPLICABLE

Final Investment Decision	31/12/2026

2.3. Estimated permit granting schedule[1]

Date of request	Date of decision
04/12/2024	30/09/2028

This schedule should be in line with the permit granting schedule required by Article 10 4(b) of the TEN-E Regulation, where applicable. According to this Article, a permit granting schedule has to be drawn up by the competent authority in close cooperation with the project promoter and other authorities concerned.

2.4. Estimated timeline for construction and commissioning

Activities	Start date	End date
Construction	01/10/2028	31/12/2029

Commissioning date	2030

(*) Please note that all dates in this document refer to the latest dates of each implementation stage for the entire PCI/PMI, considering all infrastructures included in the project. The implementation status reflects the least advanced status of all PCI/PMI infrastructures.

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PCI costs and EU funding

PCI costs
361,000,000 EUR

CEF Actions contributing to this PCI

Action	Awarded amount	Link to Action Fiche
9.1.2-PTES-S-M-24-H2Med CelZa	7,221,872 EUR	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/projects-details/43251567/101223608/CEF2027

Other sources of EU funding

Programme	Awarded amount	Link to Action Fiche

Energy