

Project of common interest:

9.1.4

CATEGORY

Hydrogen and Electrolysers

CLUSTER

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

COUNTRIES CONCERNED

Spain(ES)
France(FR)

PROMOTERS

Enagás Infraestructuras de
Hidrógeno (ES)
Teréga SA (FR)
GRTgaz SA (FR)

PCI WEBSITE(S)

<https://h2medproject.com/>

LOCATION

Spain, France (Barcelona-
Marseille)

COMMISSIONING DATE

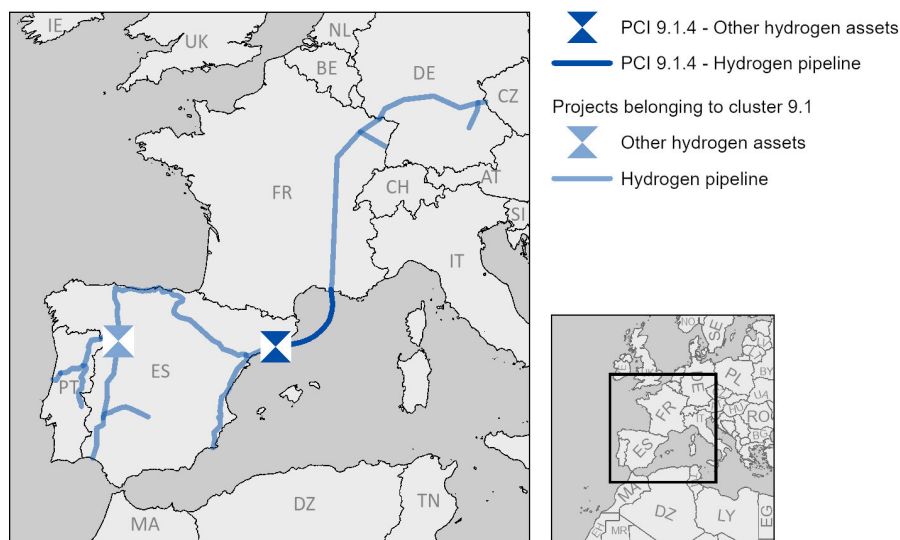
31/12/2029

LAST UPDATE

March 2025

Hydrogen interconnector Spain France [currently known as BarMar]

Hydrogen interconnections in Western Europe



Source: PLATTS, GISCO, European Commission

Technical description

The Hydrogen Interconnector Spain – France [currently known as BarMar] aims at interconnecting future hydrogen infrastructure between Spain and France through an offshore hydrogen pipeline.

The project concerns the following infrastructure:

- New compressor station in Barcelona with capacity of 144 MW
- New offshore interconnector Barcelona-Marseille consisting of approximately 455 km pipeline with a 700-1050 mm diameter.

The project will enable the transport of 2 Mt/y of hydrogen and contributes to the emergence of one of the major hydrogen import corridors via the Mediterranean Sea identified in the REPowerEU plan.

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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

LAST UPDATE

March 2025

Energy

Note: In line with the provisions of the TEN-E Regulation, the content of this document relies on information provided by the promoter(s) of the Project of Common Interest and CINEA does not guarantee its accuracy. The European Commission and CINEA accept no responsibility or liability whatsoever with regard to the information contained therein.

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1. Implementation status

Planned but not yet in 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
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2.3. Estimated permit granting schedule¹

Date of request	Date of decision
2025	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	31/12/2029
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(*) 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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LAST UPDATE

March 2025

PCI costs and EU funding

PCI costs

2,135,000 EUR

CEF Actions contributing to this PCI

Action	Awarded amount	Link to Action Fiche
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Other sources of EU funding

Programme	Awarded amount	Link to Action Fiche
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