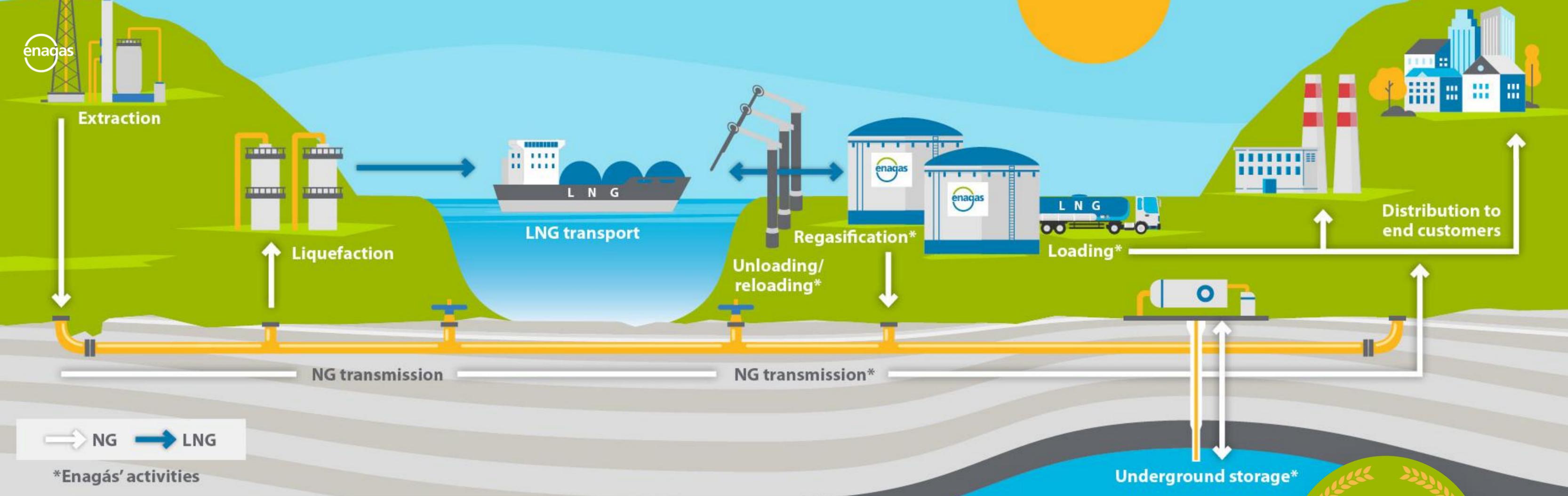




Enagás

CO2 Hubs Development in Spain

March 2026



Enagás leader in energy infrastructures



Midstream Company

Independent TSO
by the European Union

Main Transport Company
of Natural Gas in Spain

Technical Manager of the Spanish Gas System

Provisional hydrogen network manager (HTNO),
according to Royal Decree-Law 8/2023

International scale

International scale: infrastructure operation in 7 countries

Spain

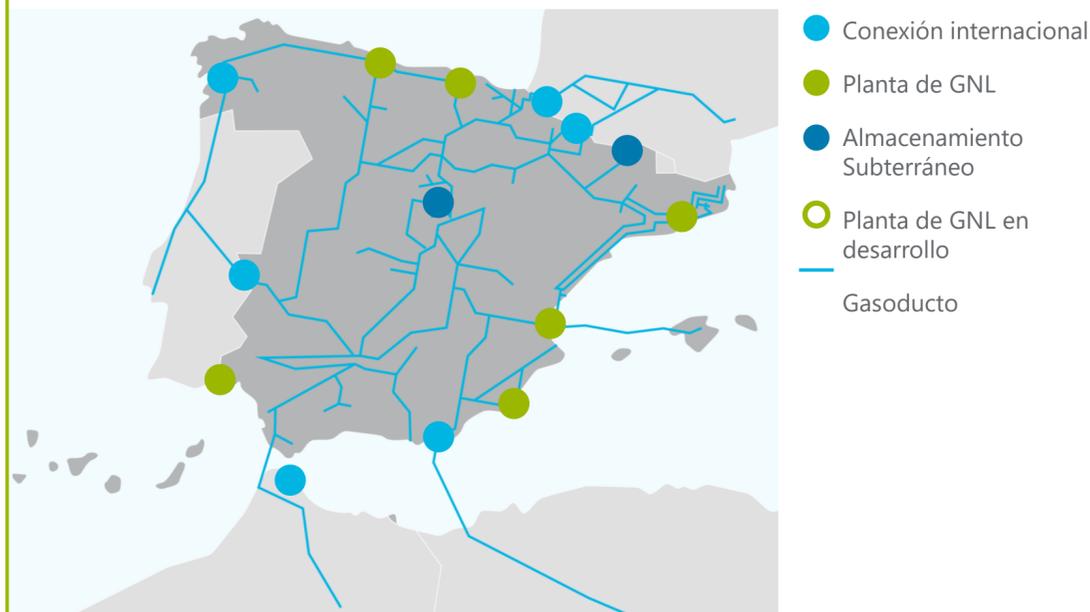
- 11,000 km of gas pipelines, 6 LNG plants
- 3 underground storage facilities

LNG Plants

- Barcelona
- Cartagena
- Huelva

Participations

- Musel E-Hub (75%)
- BBG (50%)
- Saggas (72,5%)



Europe

Germany/Italy/Greece/TAP

Germany

- Hanseatic Energy Hub (15%)

Italy

- Small Scale LNG Rávena (19%)

Greece · Albania · Italy

- Trans Adriatic Pipeline (TAP) (20%)

Greece

- DESFA (11,9%). Revithoussa LNG Plant



America

- Mexico/Peru

Mexico

- TLA Altamira Plant (40%)

Peru

- Transportadora de Gas del Perú (TGP) (28.9%)





CO₂ as a new strategic infrastructure

Europe is already deploying CO₂ infrastructure

Need for large-scale storage in Europe

- 50 Mt/a (2030)
- 280 Mt/a (2040)
- 450 Mt/a (2050)

Hard to Abate Industry

- Cement, steel, chemical, refining
- Total reduction not immediate

Competitive window

- TSOs and operators already positioning themselves
- Acceleration of projects in the last year



17 projects of common interest on the provisional list of EU ICPs (pending ratification by the EU Parliament and Council)

- | | | |
|---------------------------------|-------------------------|---------------------------------|
| 1 CO ₂ TransPorts | 7 Bifrost | 13 Prinos |
| 2 Northern lights project (PMI) | 8 Norne | 14 Pycasso |
| 3 Aramis | 9 CCS Baltic Consortium | 15 BaltiCO ₂ net |
| 4 Delta Rhine Corridor | 10 ECO ₂ CEE | 16 ATLAS |
| 5 EU ₂ NSEA | 11 Carbonconnect | 17 German Carbon Transport Grid |
| 6 Nautilus CCS (PMI) | 12 Callisto | |

Identified CO₂ demand in Spain

Call for Interest 2023 results

Market Signal

- 2023: H₂ Call for Interest, incorporating CO₂ capture and transport
- Main result: identification of areas and hubs with the greatest interest

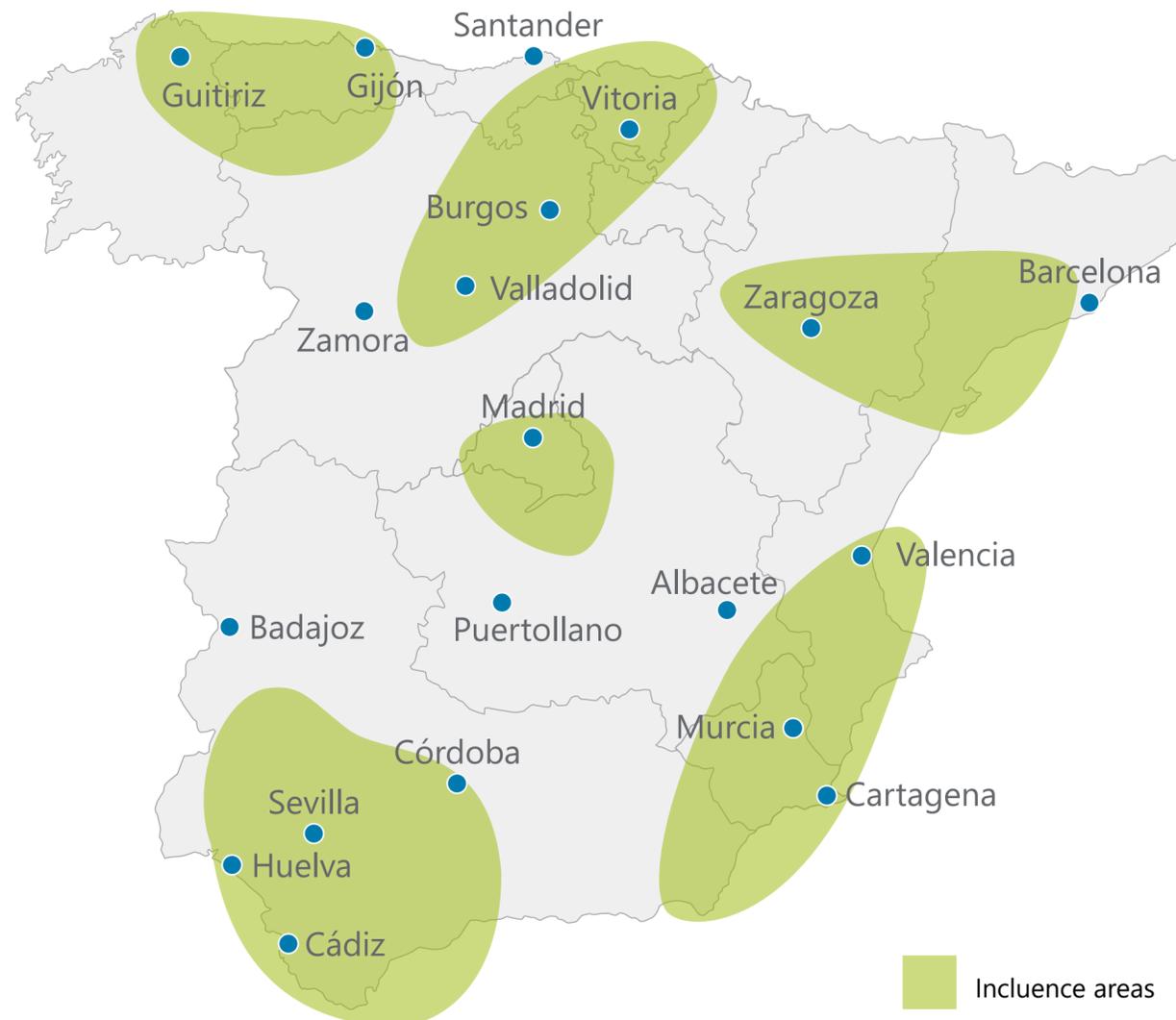
Identification of priority hubs for CO₂ capture

- Main output: map with areas/hubs of greatest interest for CO₂ capture

Sector profile

- >96% of the interest in catch comes from the cement sector
- In line with industry emissions (~10 Mt/y)

CO₂ Results



37

companies interested in CO₂ capture

53

Interested companies in infrastructure

10,4

Mt/a, CO₂ quantity to capture

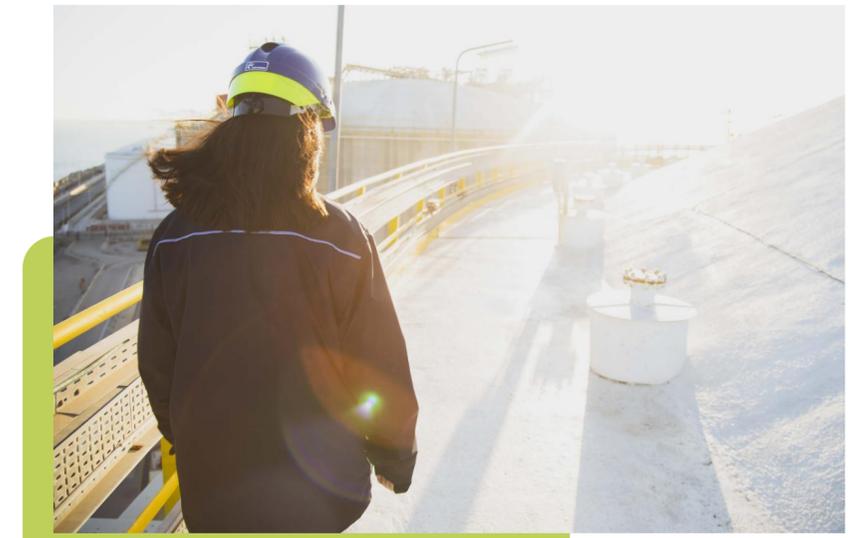
Positioning of Enagás in the CO₂ chain



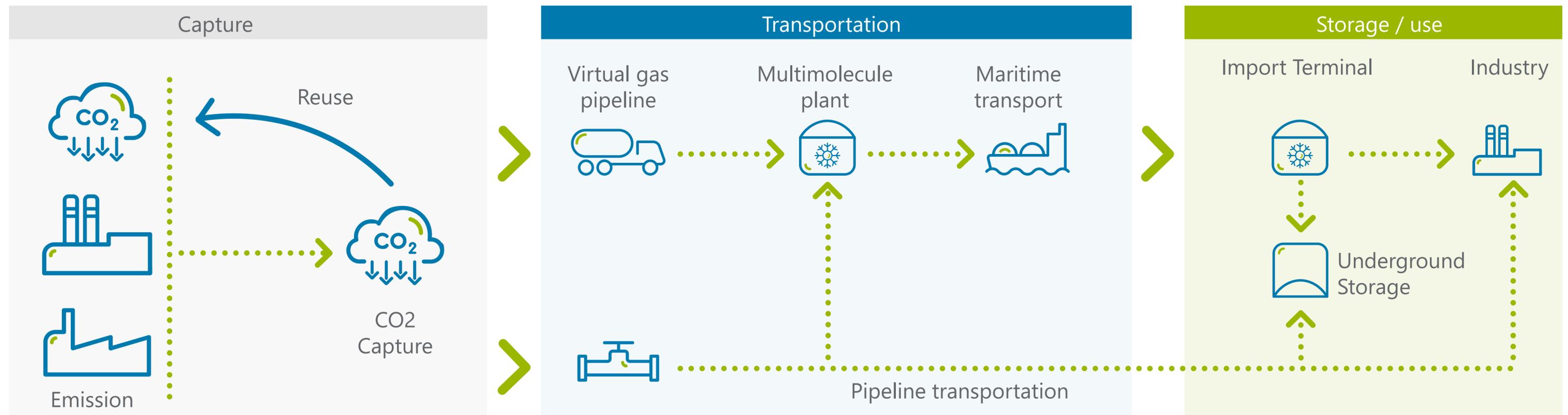
Infrastructure and logistics as the central axis of the CCS deployment



Enagás acts as an independent developer and operator of CO₂ infrastructures



CO₂ Value Chain



Why Enagás can lead CO₂ infrastructure

Independent operator for the deployment of CO₂ infrastructure in Spain



Strengths

1. Know-how in energy infrastructures
+50 years operating critical networks
2. CO₂-Adaptive Transport Network
Existing Infrastructure, Accelerated Deployment
3. Underground Storage Expertise
Large-scale CCS pillar
4. Strategic ports and institutional relations
Base for multimodal hubs
5. Multimolecule terminals
Asset Reuse and Operational Efficiency
6. Proven Ability to Execute
Management of complex and European projects



We apply existing capabilities to a new key infrastructure for industrial decarbonization

Hub model for the deployment of CO₂ infrastructure in Spain

Geographical distribution of Hubs in Spain



Emission aggregation to accelerate deployment and optimize costs

What is the hubs model?

- Concentration of projects in areas of influence
- Demand aggregation for scale
- Infrastructure CAPEX and OPEX optimization

Priority Hubs Identified

- North
- Mediterranean
- Atlantic

Initial Scope

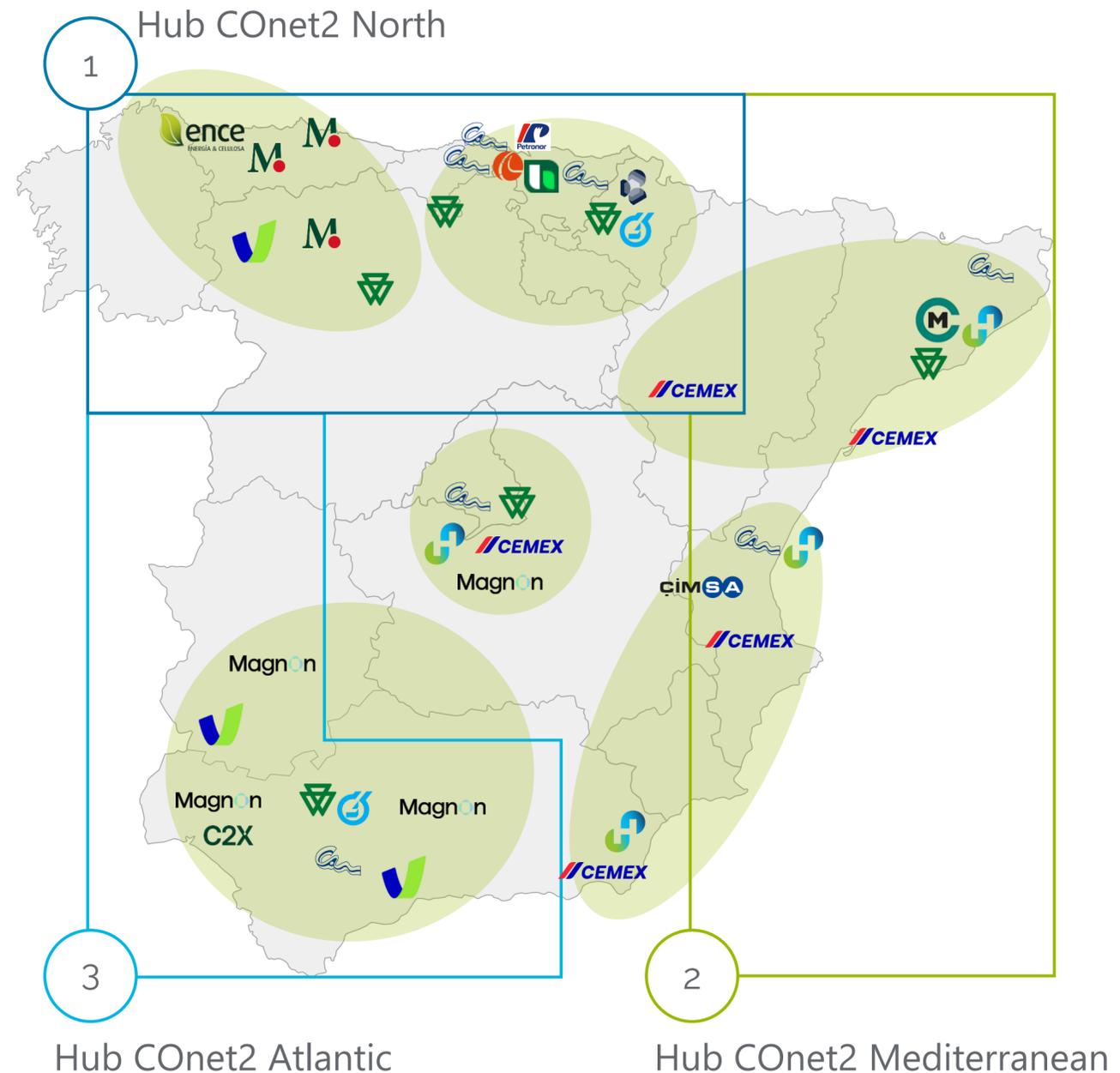
~14 Mt/a

potential CO₂ to be captured

3

Identified Hubs

Business Development and affiliates General division



Progress in the pre-feasibility of the CO₂ network in Spain

Development by hubs and coordination of synergies with LNG plants

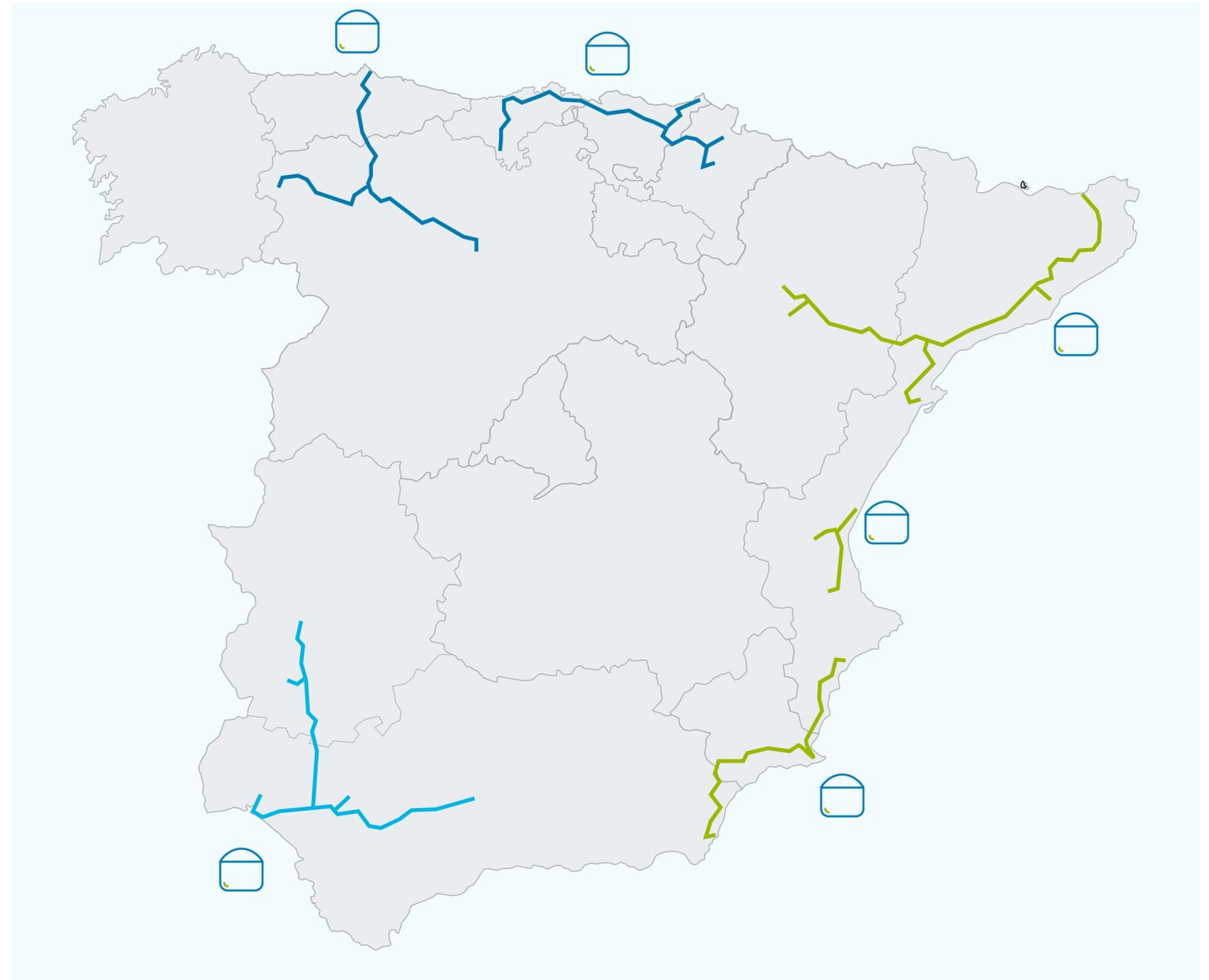
 Enagás makes progress in the pre-feasibility of the CO₂ network and terminals by hubs

What's being done:

Network design by hubs | Industry-terminal connection as the basis for deployment

Definition of CO₂ terminals | Integrated and coordinated with existing LNG plants

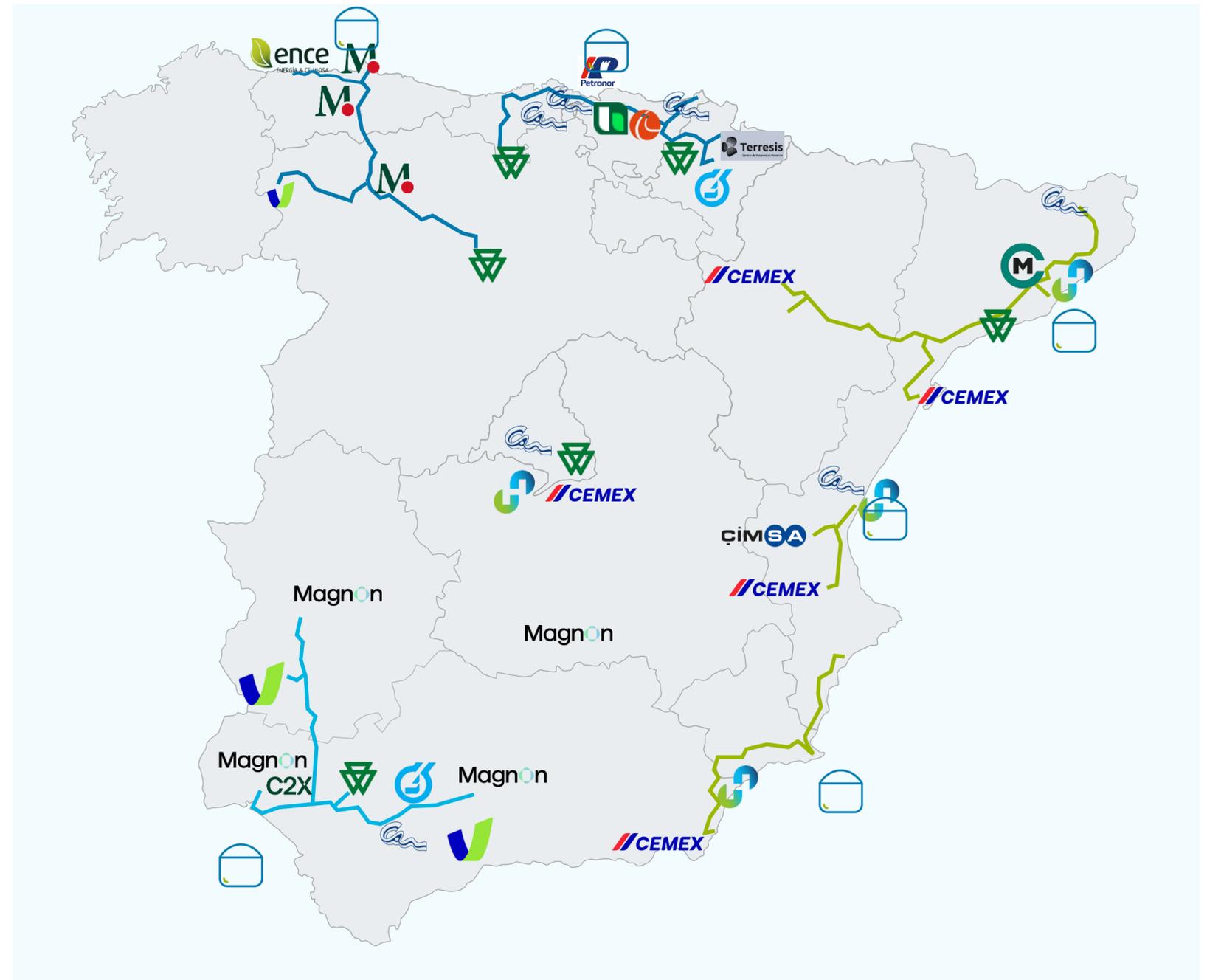
Technical and economic optimisation | Leveraging existing infrastructure and assets



Confirmed interest by the industry

Main actors

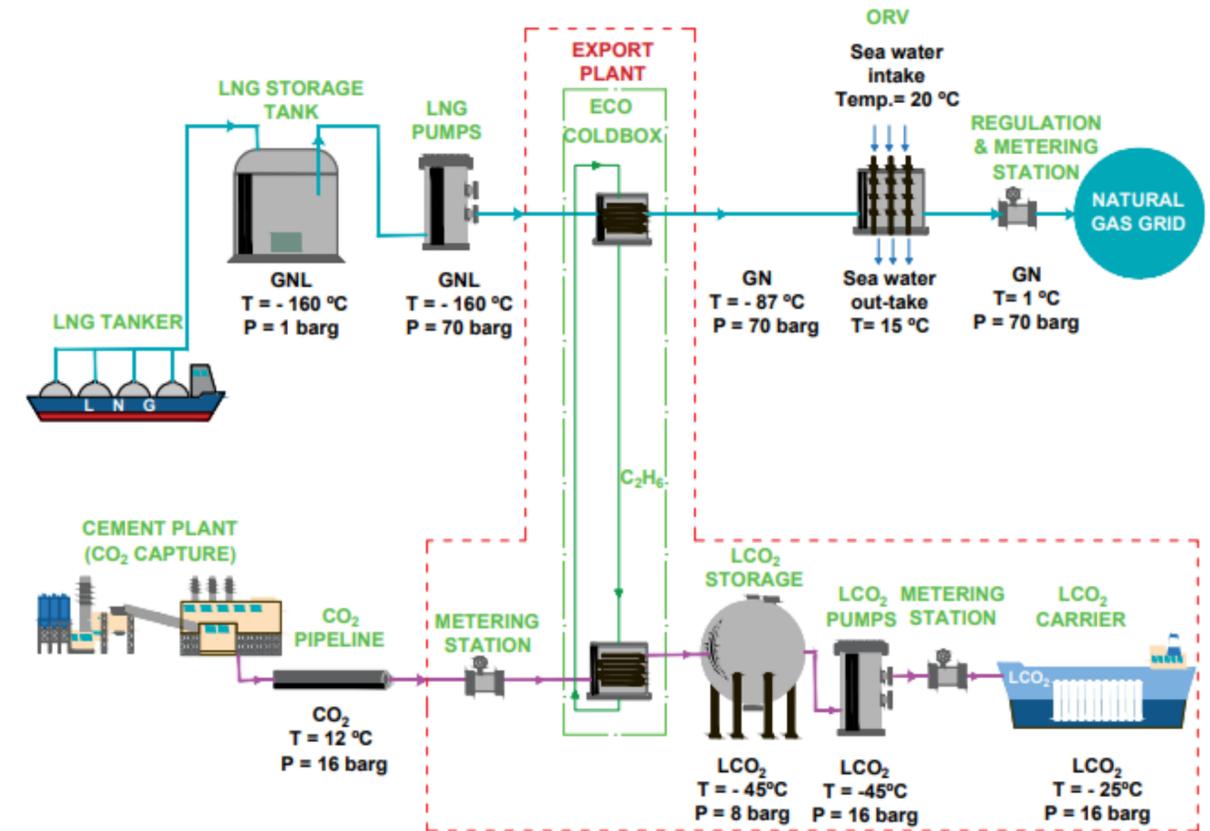
 Enagás makes progress in the pre-feasibility of the CO₂ network and terminals by hubs



- | | |
|--|---|
|  CEMEX |  Cementos CIMSA |
|  Cementos HOLCIM |  Ence Energía Celulosa |
|  Cementos Molins |  Calcinor |
|  Votorantim Cimentos |  Terresis (Magna) |
|  Portland Valderrivas |  Lhoist |
|  Corporación Masaveu |  C2X |
|  Cementos Heidelberg |  Magnon (Ence) |
|  Cementos Lemona |  Petronor |

Port facilities. CO2 Plant

SGE Patented ColdBox Technology



Using residual cold from LNG plants

Port facilities. Plant

Our terminals are multi-molecule plants in which LNG, CO2 and ammonia services are integrated

Plants that offer multimodal services

They will be prepared for modal transport by track and by train in addition to the reloading of LCO2 ships



COnet2Sea

Project selected by the EU Innovation Fund



This creates a **virtual pipeline** to ensure the continuity of pipeline transport and liquefaction services. In this way, Enagás offers a combined service encompassing transport, liquefaction, intermediate storage, and shipping.

What is the Project

- Development and operation of a liquefied CO₂ vessel (20,000 m³)
- Integrated into the permanent storage logistics chain
- Connected to Enagás' CO₂ plants

Status and calendar

- Grant: EU Innovation Fund
- COD: January 2032

Key innovations

- Use of bio-LNG
- BOG management using ecoCOLDBOX
- Capture and storage of CO₂ from exhaust gases



Hub COnect2 North

Included in the provisional PCI list

What the project enables

- Transport of CO₂ captured in industries in northern Spain
- Liquefaction and export by ship to permanent storage in Europe
- Integrated and optimized logistics chain

Project Status

- PCI status: approved by the European Commission
- Final validation: Council and Parliament expected in Q1 2026

Key infrastructure

- CO₂ terminals: El Musel (Gijón) and BBG (Bilbao)
- Maritime transport: LCO₂ vessels



CO₂ emissions abatement



Mosusol netCO₂

Deployment of the CO₂ model in the Mediterranean



What it does

- Project to capture CO₂ in Molins (Catalonia) and transport it for permanent offshore storage (Port of Tarragona area)

What it brings

- Key infrastructure: Enagás will participate in a ~100 km pipeline to transport >1 MtCO₂/year to storage

What validation does it have?

- Financing and reserve requirements: linked to an underground storage facility that obtained the Innovation Fund (FI) 2023; Molins-Enagás project under development and submitted to European calls
- Evaluated with STEP positioned for European funding;

2028-2029

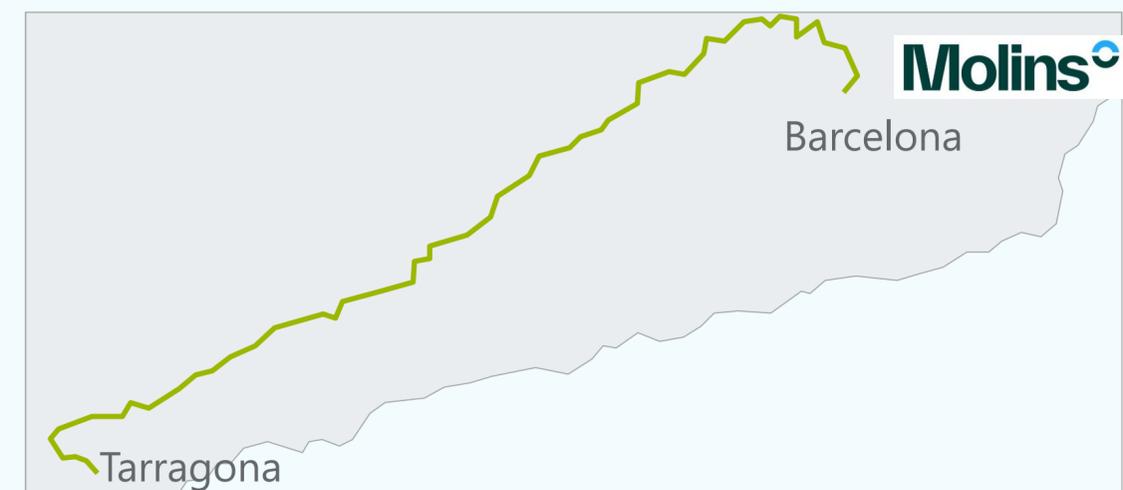
Construction

~ 1 M tCO₂

per year

2031-2032

Entry into operation



An experienced team

Enagás' commitment to the development of these projects with a competent and solid team.

Enagás demonstrates a firm commitment to the development of these projects through a competent, multidisciplinary and results-oriented team. We bring experience in infrastructure, capacity to manage complex projects and a consolidated relationship with the main agents in the value chain.

This approach allows us to move from technical definition to commissioning, guaranteeing high standards of safety and coordination with customers, ports and administrations.



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Business Development Director



**María Jesús Martín
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**Ignacio Olleros
Martos**

Project Manager CO2 – Atlantic Zone



**Daniel Estalayo
Roldán**

Project Manager CO2

Thanks

