Industry & Energy
Transition Initiative (IETI)

Accelerating Spain & Portugal's energy transition and reindustrialization

June 18th 2025

Congreso Eólico Anual



Industry and Energy Transition Initiative



In 2023, we launched the IETI – What is it?

Industry & Energy Transition Initiative





Think Tank



"We co-create and share prominent knowledge around key energy transition topics hand-in-hand with leading industrial and sectorial players"

Demand & Investment Accelerator

"Our purpose is to solve challenges and untap bottlenecks to create opportunities prompting an investment acceleration and demand on key industrial sectors"

Institutions become members by paying an annual membership fee Access to all knowledge, discussions and events

Spain and Portugal have a unique opportunity to contribute to Europe's reindustrialization and decarbonization

Our Narrative

Europe has experienced a deindustrialization wave and loss of competitive edge during the past decades

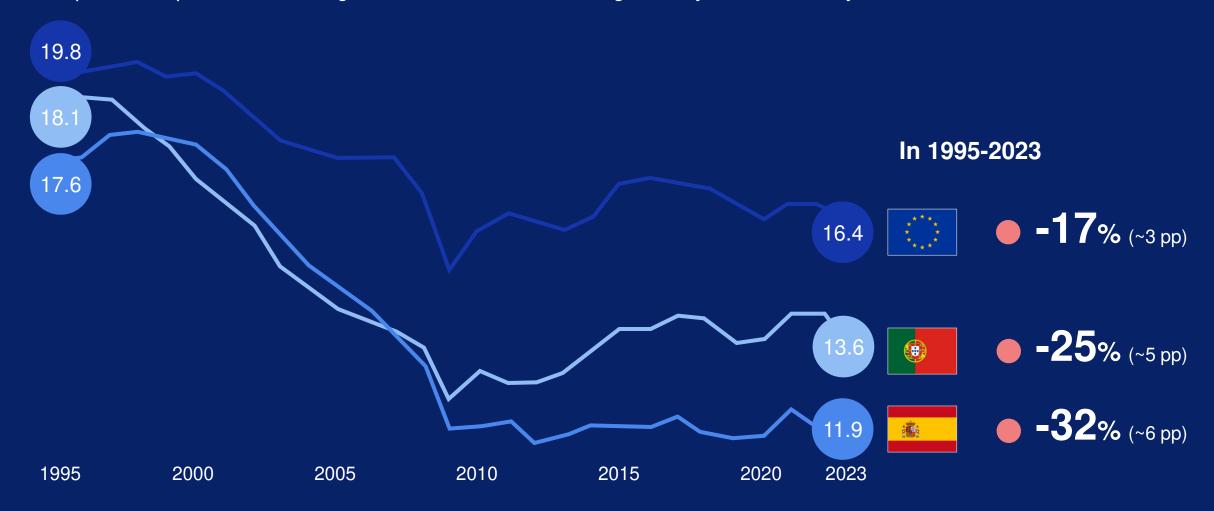
The Energy Transition poses now a great disruption for the continent

- 2 Spain and Portugal, thanks to their natural endowments, existing industrial base, and access to large talent pool with cultural affinity, can become champions of the decarbonization and reindustrialization of the continent
- The opportunity lies within the existing industries (through a gain in competitive edge) and with the formation of new ones (new energy vectors and value chains)
- This transformation is long and complex, and there is a lot at stake for Spain & Portugal it could potentially boost GDP by approximately 10 percent by 2030 and create thousands of skilled jobs
- We need to act now, as we are losing the opportunity "window", and it is urgent to deploy a set of unlocks that could unleash the full potential of the Iberian Opportunity



1. Europe has overall shown a deindustrialization trend over the past decades, with Spain & Portugal losing space in a faster manner

European vs. Spanish and Portuguese: share of manufacturing industry in the economy



Note: measured as share of industry in total gross value added (GVA)

1. Vision for Europe's competitiveness is very aligned with our narrative on industrialization and decarbonization to boost growth

Summary of from Draghi's report on the Future of European Competitiveness



Very strong alignment with IETI's narrative



A new industrial strategy



Massive investment needs



Institutional reforms



Preserve Europe's core values

Key takeaways

Full implementation of Single Market; industrial, competition and trade policies supporting strategic sectors notably green tech, digital technology/AI, and space & defense

Faster productivity growth via innovation and digitization

Maintain manufacturing leadership and develop new breakthrough technologies

To digitize, decarbonize and increase EU's defense capacity, the total investment-to-GDP rate will have to rise by **5pp of EU GDP per year or Eur800Bn more per year**, to levels last seen in 60s/70s

Reform EU's governance, increasing the depth of coordination and reducing regulatory burden

Refocus the work of the EU on the most pressing issues and allow member states who want to move faster to do so Preserve social inclusion, prosperity, equity, freedom, peace and democracy in a sustainable world

3 priorities for Europe

Innovation: close the innovation gap with US and China; especially in advanced technologies

Decarbonization: source of growth and competitiveness; lower energy prices to reduce gap vs US

Security: increase security and reduce dependencies; secure supply chain for critical technologies

2 key enablers

Financing: common funding for key projects, grids and innovations

Governance: increased efficiency, streamline legislations and shorten legislative process; more majority votes; more coordination across

2. Spain and Portugal can leverage natural endowments to lead the energy transition beyond energy costs Country relative competitiveness

Competitiveness dimension	Indicator			
Energy OPEX	Renewables share Solar LCOE Onshore wind LCOE Cost of green hydrogen ¹			
Input materials OPEX	Lithium mining capacity Biogenic CO2 supply			
Industrial base CAPEX	Steel production Vehicles produced Refining capacity			
Existing infrastructure CAPEX	Annual container port traffic Pipeline export capacity² LNG terminals capacity³			

^{1.} Considering current LCOEs for the best locations within the countries | 2. Considering the maximum of exports and imports pipeline capacity | 3. Only considering large-scale LNG terminals

Leading On-track Lagging

3. The opportunity lies within the existing industries and with the formation of new ones

A. Energy play

Lead on most cost-effective green energy production



Electrification and renewables

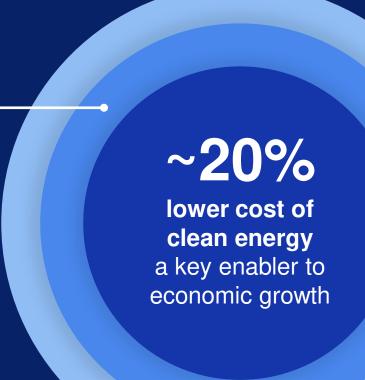


Renewable molecules and circular materials



Green Hydrogen and derivatives

Other...



B. Industry play

Scale up existing industries and develop new ones through decarbonization levers

Industry decarbonization and competitiveness



Emerging sectors, e.g., electric vehicles, batteries, data centers and green steel



New technologies, e.g., carbon capture and storage



Other...

4. The opportunity at stake could entail substantial socio-economic impact to the region

2024 estimates

Impact on GDP¹

(% 2022 GDP)

Up to +15%

(up to 170 Bn€ in Spain & 35 Bn€ in Portugal)

Total Jobs,

...of which, qualified positions, #

~1M

~200k

(~700k in Spain, ~300k in Portugal)

Increased exports

(% 2022)

Up to +20%

Additional state income, (% 2022)

+5-10%

^{1.} GDP impact is measured using Input-Output tables for Spain & Portugal sourced from MGI, along with global tables from OECD, which help to estimate how additional revenues translates into domestic value creation. The outcome is a Gross Value Added (GVA, which measures sectorial contributions to GDP)

5. We identified 5 key actions to accelerate Iberia's leadership, boosting competitiveness and supporting European goals



Effective incentives schemes

Deploy effective incentive schemes to close the cost competitiveness gap between green solutions and fossil-based alternatives



Clear and stable regulation

Provide effective (simple and flexible) and stable (long-term certainty) regulatory frameworks to ensure projects' predictability and robustness



Faster and smoother permitting

Reduce administrative burdens and shorten permitting processes (e.g., one-stop-shops, homogenization) to minimize long permitting periods



Strengthen project bankability

Develop strong project cases (e.g., long-term agreements, alliances) to ensure robust and stable financing schemes



Urgent & substantial grid deployment

Plan and deliver efficient grid deployment programmes to ensure coordinated uptake between projects and electrification increase

We additionally developer an Index that measures the progress of the Industrialization & Energy Transition in Iberia

The Index

Measures and assesses the state of the art of the energy transition and industrialization in Spain

Provides insight on a list of KPIs against historical progress and nationally defined targets every 6 months



Spain Portugal Publication date: Publication date: 27/11/24 Link Link



Industrialization



Based on IETI's Index, Spain and Portugal are on track on the energy transition but lagging on industrialization



^{1.} Out of eight indicators: For Spain, 1 Leading, 3 On track, 3 Lagging, 1 N/A; For Portugal; 3 Leading, 3 On track, 1 Lagging, 1 N/A | 2. Out of six indicators: For Spain, 0 Leading, 2 On track, 4 Lagging; For Portugal, 1 Leading, 1 On track, 4 Lagging