

Enagas El Musel LNG Terminal (Gijón)



73rd TSG GIIGNL Meeting
April 19-21, 2023

About Enagas: Over 50 years of experience

A midstream company



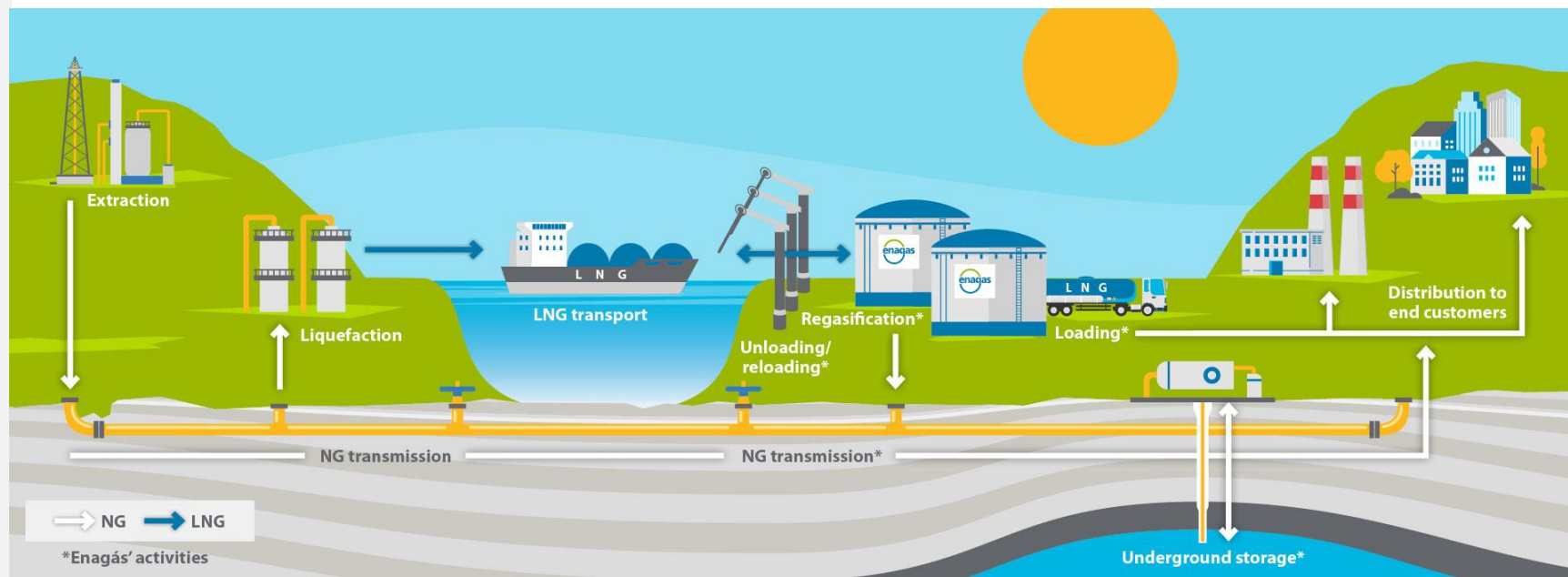
Leader in
energy
infrastructures

European
Union accredited
independent TSO

Top natural gas
transmission
company in Spain

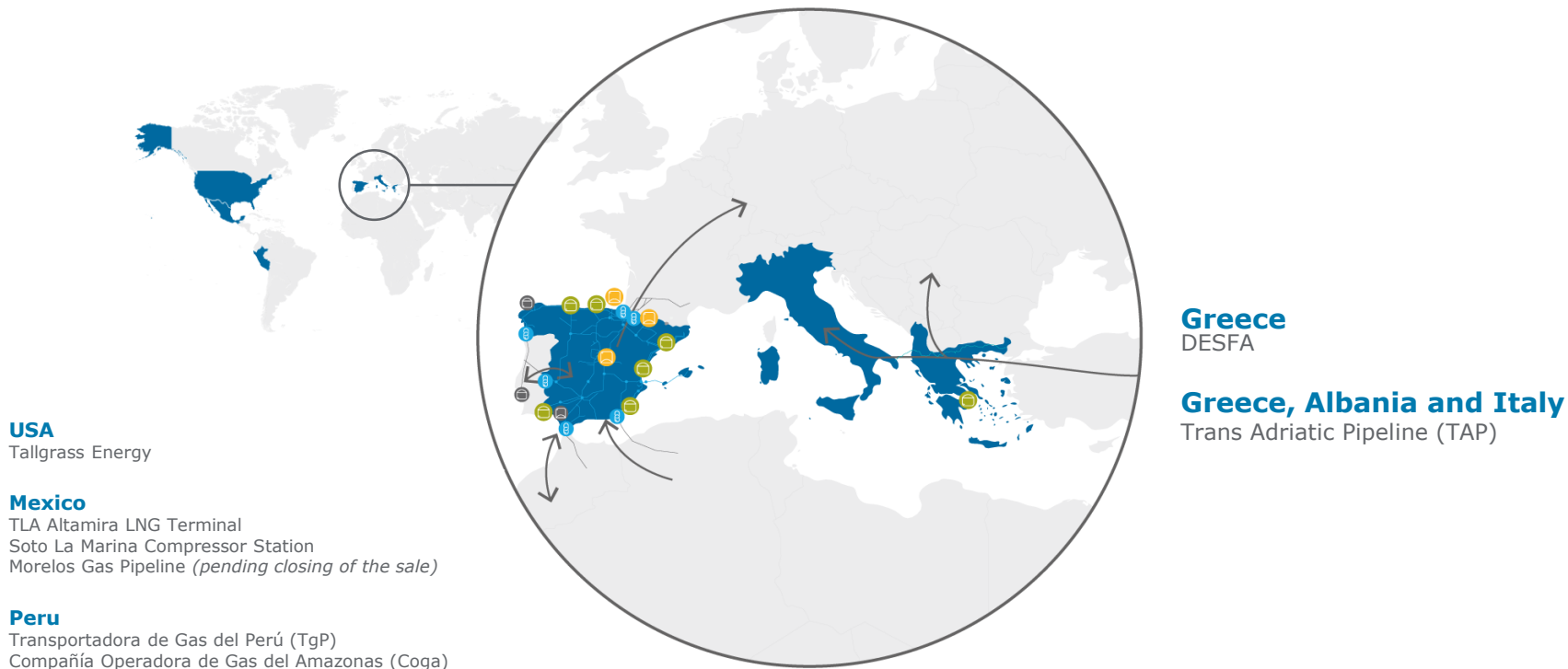
Technical Manager
of Spain's Gas
System

Committed to
decarbonisation:
natural gas and
renewable gases



About Enagas: A leading TSO with focus on Europe

Future HNO

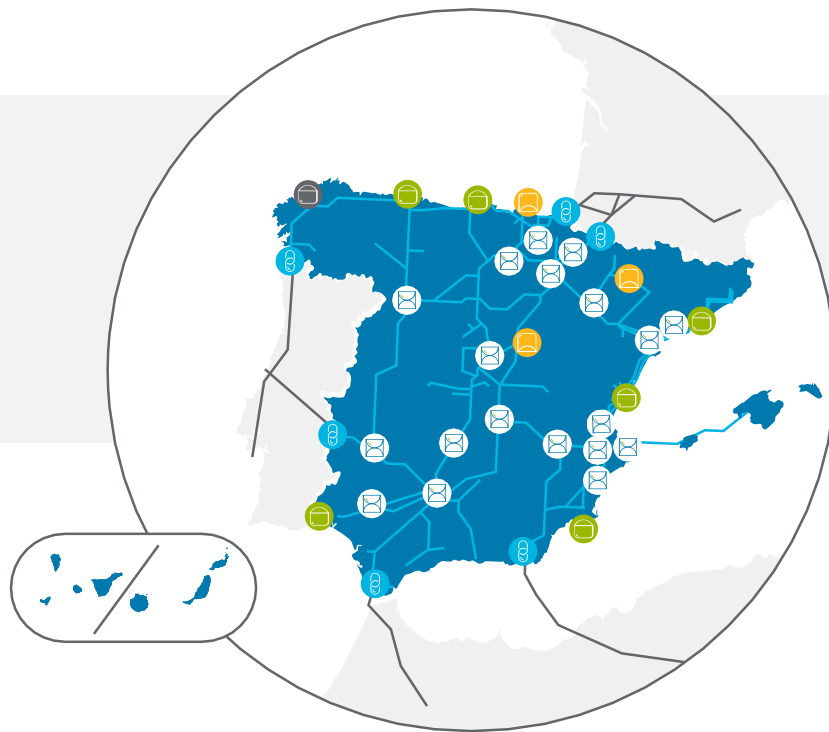


About Enagas: Our infrastructure in Spain

Key to the security of supply and the decarbonisation process



Our **infrastructure network** is needed and will be complemented by new ones for the **transmission and storage of renewable gases**



Point of entry for LNG to Europe

We are the company with the most LNG terminals in Europe and third in the world

— 11,000 km gas pipeline

 6 LNG terminals

 3 underground storage facilities

 19 compressor stations

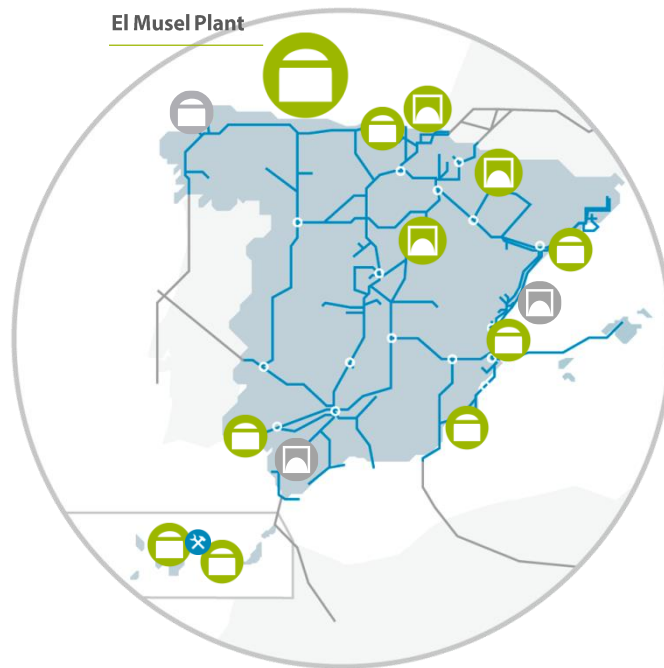
 6 international connections

History of the terminal: El Musel Plant

Sited in the **Port of Gijón**, on the new expansion Quay

Started to be **built** at beginning of 2009 and was completed at **end of 2012**

Currently boasts a **surface area of 266.273 m²**





2009

2 Storage Tank of 150.000 m³
Start Construction

2011

Process Area
(ORV, HP Pumps, Recondenser, Flare...)



2012 Construction completed

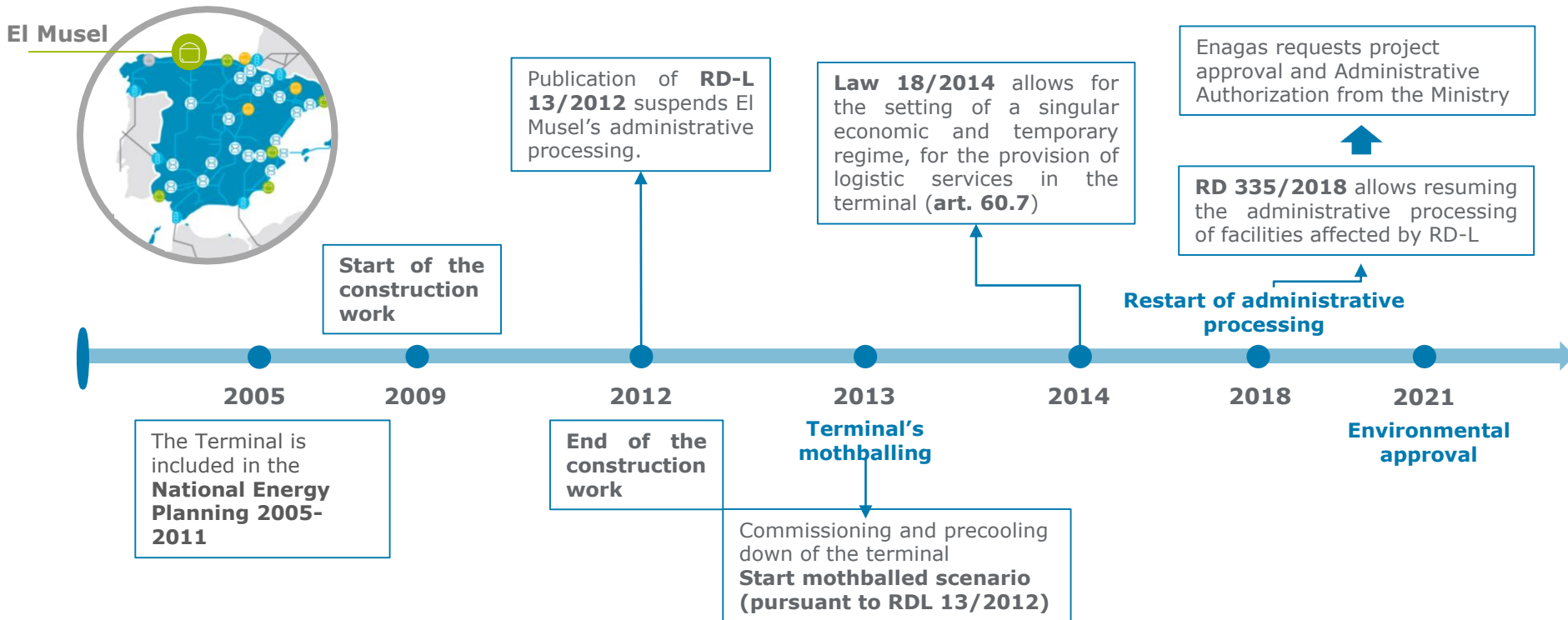


2013

Commisioning and Pre Cooling
Down of the Terminal.

Start Mothballed Scenario

Timeline of El Musel development



Timeline of El Musel development: The current energy context and El Musel



As a consequence of the war in Ukraine Russia ceased to be a reliable partner



SUMMARY OF EU SITUATION

- High dependence on Russian gas
- Reductions of flows from Russia
- Low capacity to import LNG



Price Risk

Macroeconomic impact:
Huge Rise in natural gas prices



Security of Supply Risk

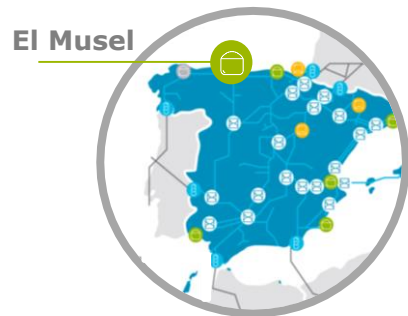
Risk of gas shortage:
Supply deficit, difficulty in filling storage



Plan + Seguridad Energética - MITERD

- These measures include **the commissioning of El Musel terminal as a logistics platform**, which can act as an additional storage in the event of a shortage of LNG in the market.

Timeline of El Musel development



Enagas requests the establishment of a singular economic regime under art. 60.7

The CNMC asks for details on the terminal's services, products and commercialization

Issuance of the **CNMC resolution** establishing a singular and temporary economic regime for El Musel

Feb-22

Apr-22

Jun-22

Oct-22

Feb-23

Start of the war in Ukraine

More Energy Security Plan



A favorable MITERD resolution on technical and economic conditions for the provision of capacity services and for the start of operation is still pending.

Equipment and technical parameters:



LNG Trucks

2 loading bays

30 trucks/day, 9 GWh/d

LNG Storage

300,000 m³ LNG

(2 x 150,000 m³ tanks)

Process Area

800,000 m³(n)/h

5.2 MTPA or 7.01 bcm/a

Jetty Area

50,000 to 266,000 m³ GNL

Unloading: 18,000 m³/h

Reloading: 6,000 m³/h

El Musel LNG Terminal

EL MUSEL IS READY TO START OPERATING



100% staff hired, trained and prepared to start



Training program in its final phase



Commissioning activities ongoing



In close cooperation with stakeholders - Gijon Port Authority, local authorities, contractors,... - to be ready for the start of operations

Comertial point of view: A strategic location to serve Europe's SoS

The Terminal can serve as buffer for the upcoming LNG capacity in Northern Europe

Strategic location

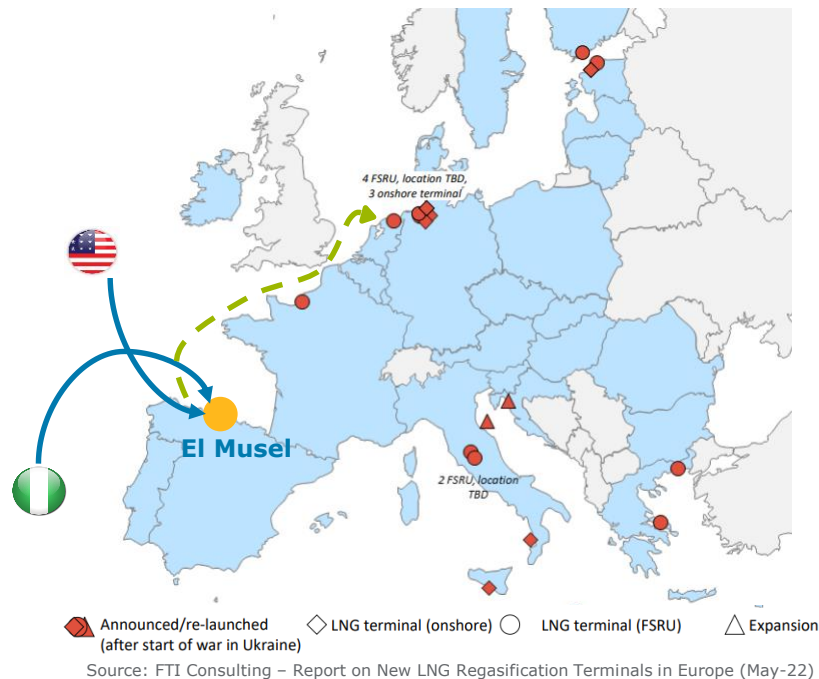
- El Musel is strategically located to attract supplies from the entire **Atlantic basin**, while being **less than four days away from European Northeast coast**.
- El Musel is well-suited to serve as an storage **buffer for the upcoming FSRU projects** launched since the start of the invasion of Ukraine.

LNG Quality and origin

The Terminal Product allows to **control the quality of LNG**. The user will control the quality of the LNG that is reloaded, as well as **its origins**.

Cargo Size

The User will be able to **unload up to a Qmax**.



El Musel LNG Terminal



Thank you for your attention

Thank you for
your attention

