

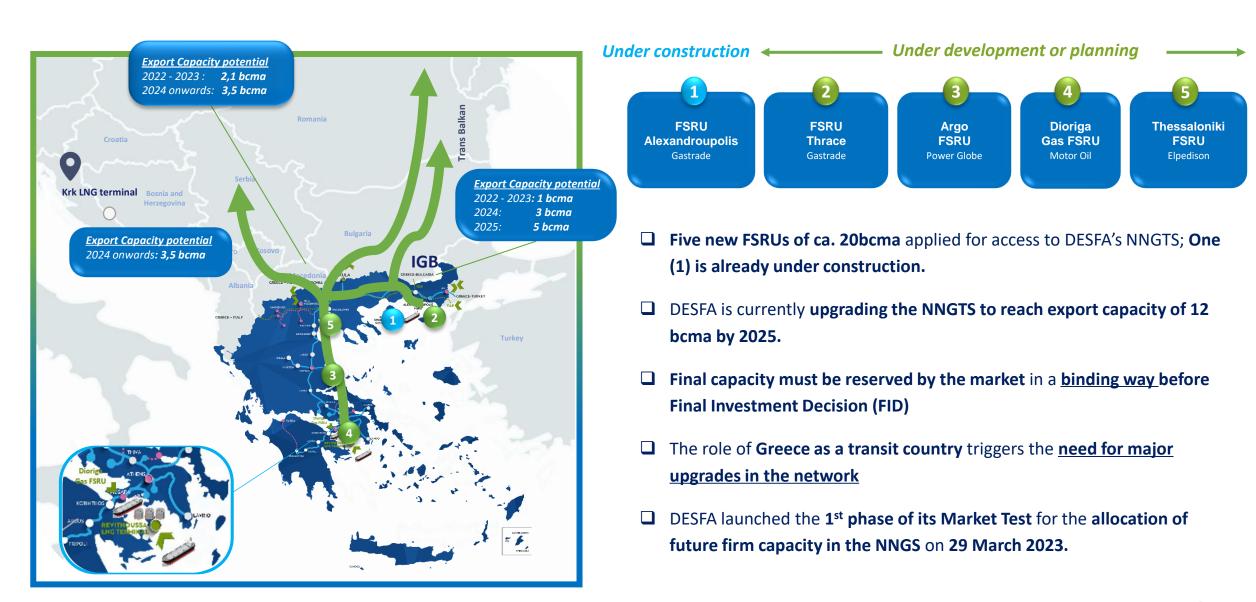
Gas Consumption Data Greece FY2022: Greece ensured energy security and allowed for the further diversification of supply sources in the region, quadrupling its exports to Bulgaria and beyond





Greece is very well placed to act as an LNG gateway for Europe and there is a clear demand for transit; Expanding the infrastructure limits has significant advantages for Greece and the wider region





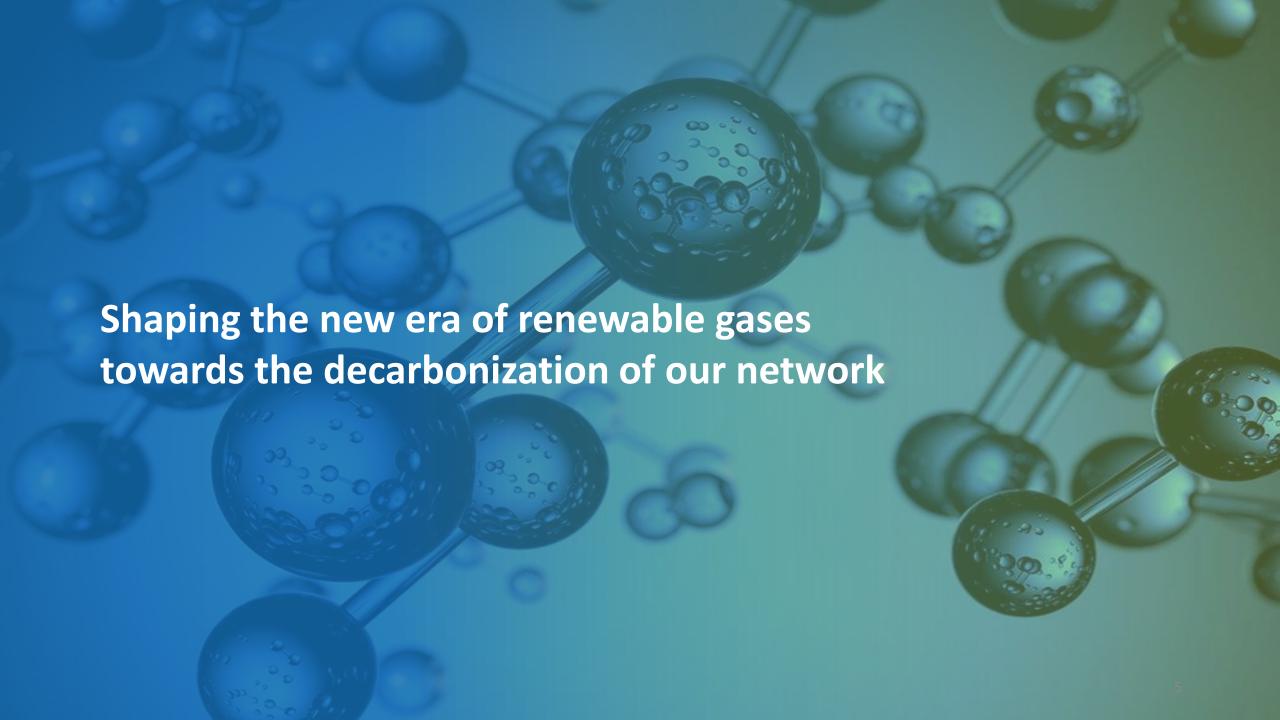
In this direction, DESFA has designed a Development Plan with projects that significantly expand the capacity of its network, allowing for increased security of supply and diversification in SEE region



Key highlights of TYDP 2023-2032 (under public consultation by RAE):

- **83** projects (64 expected to be in operation by end 2024)
- **€1,27** billion total budget (c.a. € 1,24 billion for the projects included in the 3-year Development Period)
 - Main new projects included (€430 million) refer to the duplication of the "Karperi-Komotini" & "Patima-Livadeia" HP branches, adding new capacity to the system.
- **€28** million of new project related to **modernization**, **maintenance & innovation and R&D projects**. The new **innovation projects** include the:
 - pyrolysis project,
 - connection of the NNGTS with West Macedonia H2 Valleys,
 - installation of Process & Dry Seal Recompression System in CSs.





Building the first 100% H2-ready pipeline in Greece and one of the first at a European level



- All the new pipelines that we are constructing are already fully H2 certified, while all new Compressors Stations are designed to accept up to 20% blending of H2 in natural gas.
- The High-Pressure Pipeline to West Macedonia, that is currently under construction by DESFA, will be the 1st pipeline in Greece and one of the first in Europe which will be compatible with the transport of hydrogen by up to 100%.









DESFA's initiatives and ongoing projects for building up the Greek and regional H2 value Chain and acting as an enabler of a more sustainable energy future



DESFA has already executed an assessment of the existing Natural Gas Transmission System (H2 Readiness Study including AGI) to analyze its capability to transport Hydrogen blended with Natural Gas and provide a technical description of which changes on the existing DESFA system will be needed to transport it.

H2 Readiness Study already executed PCI Projects
Application

DESFA has applied for the inclusion of the "SmartSwitch" and "H2 Dedicated Pipeline" projects in the 6th PCI List. These projects are fully aligned with "twin" projects included from Bulgartransgaz.

DESFA is a funding and active member of the EHB imitative that aims to accelerate Europe's decarbonisation journey by defining the critical role of hydrogen infrastructure in enabling the development of a competitive, liquid, pan-European renewable and low-carbon hydrogen market

European Hydrogen Backbone (EHB)



DESFA's steps towards the concrete implementation of the Biomethane value chain in Greece



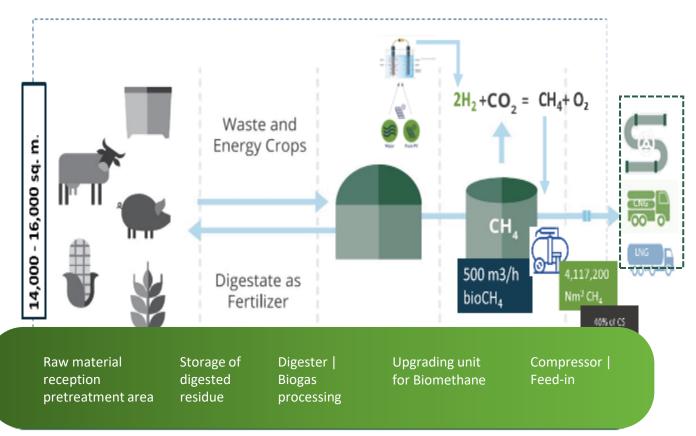
DESFA is assessing the opportunity to develop a biomethane pilot project for its own consumption purposes, namely, to cover the operating gas needs for our, existing & new, compressor stations.

Why Biomethane?

- At the epicenter of the REPowerEU Plan and green energy transition; already mature market in other EU countries
- Epitome of circular economy
- Domestically produced gas contributing to enhanced security of supply

Opening the Greek Biomethane Market

- Cooperation Agreement with major players with significant know-how in the Greek market, such as Ergoplanning & Polyeco for the development of a Biomethane Pilot Project
- Support for the development of the necessary regulatory framework in Greece



Biogas processing: Liquid anaerobic digestion in circular reinforced concrete digesters due to the nature of materials.

Biomethane Upgrading: Membrane treatment and organic absorption processing technologies (most mature and commercially applicable with choice of suppliers and assured support during the operation of the plant).

