DRAFT
DEVELOPMENT PLAN
of the NATIONAL NATURAL GAS SYSTEM 2025 – 2034

November 2025

-for public consultation-

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ABBREVIATIONS

ARCA: Advanced Reservation Capacity Allocation
BMS: Border Metering Station
CA: Connection Agreement
CCTV: Closed Circuit Television
CHP: Combined Heat and Power unit
CNG: Compressed Natural Gas
DESFA: TSO of the Greek Natural Gas System
FID: Final Investment Decision
EIB: European Investment Bank
HP: High Pressure
IGB: Interconnector Greece Bulgaria
IISNG: Integrated IT System for Natural Gas
L/V: Line valve
LNG: Liquefied Natural Gas
M/R: Metering/Regulating
NNGS: National Natural Gas System
NNGTS: National Natural Gas Transmission System
NSRF or PA: National Strategic Reference Framework or Partnership Agreement 7-year E.U. program for the support of the Greek economy
O&M Centers: Centers of Operation and Maintenance
PLC: Programmable Logic Controller
RAB: Regulated Asset Base
RAAEY: Regulatory Authority for Waste, Energy, Water
RRF: E.U. Recovery and Resilience Facility
SCADA: Supervisory Control and Data Acquisition
TAP: Trans Adriatic Pipeline
TSO: Transmission System Operator
Nm^3: Normal Cubic meter

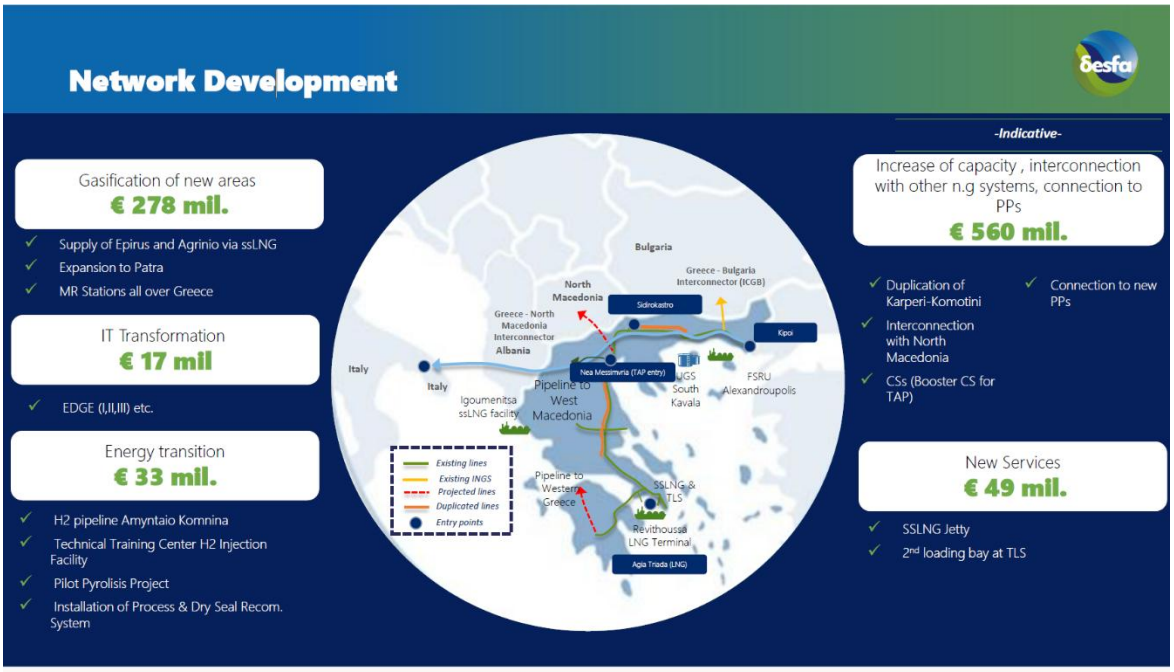
Executive Summary

The energy crisis has brought **Security of Supply** (SoS) to the top of the priorities of the energy market policy, along with **sustainability** and **affordability**. It has also highlighted the critical role of gas infrastructure in enhancing SoS. In the continuous effort towards more sustainable energy sources natural gas will play an important role, offering flexibility, diversification and stability to an energy system with a growing share of renewable energy sources and a strong need for replacement of coal from the energy mix in the wider S.E.E. region.

DESFA aims to contribute towards' Greece's role as a core part of energy developments, paving new energy ways and transforming the country into **an international energy and trading hub** of an interconnected, secure, and economically efficient European market, creating value for all stakeholders. DESFA is leading the transition to the energy of tomorrow investing in people, innovation and future-proof infrastructure.

The National Energy & Climate Plan (NECP) concluded in 2025 confirmed the role of Natural Gas up to 2050 as flexibility provider to the electricity system and **a key-transition fuel** in the transport sector. The projects, new and planned, that DESFA proposes in this TYDP are fully aligned with the expressed policy guidelines of the Greek State, while retaining the sustainability perspective of all investments of DESFA.

With a total budget **of 1,02 billion euros** of projects under development out of which c.a 32 **million euros** projects are under completion, in addition to the 399 million euros associated to the key strategic projects for the NNGS completed by the end of 2025 as described below, the proposed TYDP 2025-2034 includes large scale investments which confirm the key role of natural gas infrastructure in the energy transition, contributing to the implementation of the National Plan for Energy and Climate & the Just Transition Development Plan of lignite areas, but also supporting the implementation of the RePowerEU strategy of the European Union.



At the same time, the draft TYDP 2025-2034, coincides with significant milestones for the Greek Natural Gas Infrastructure (NNGS) such as the completion of key strategic projects for the NNGS, which enhance **the security of supply, sustainability and diversification of energy supplies for Greece and the Southeast European region**.

The end of the year will mark the completion of the Compressor Stations of **Komotini and Ampelia as well as the** -hydrogen ready- **West Macedonia** HP pipeline.

Compressor Station in Komotini

These significant projects for the NNGS will serve the need to gasify new areas and increase the export potential of Greece towards neighbouring countries. **West Macedonia** Pipeline project is in line with the decarbonization policy introduced by the Hellenic Republic and concerns the extension of the existing NNGTS via a new pipeline branch up to the region of West Macedonia. It is designed and constructed as a pipeline able to transport H2 up to 100%, in line with the decarbonization plan of DESFA and the existing plans for the development of hydrogen production in West Macedonia region. In the future, should market circumstances so require, the West Macedonia pipeline will be connected to the planned H2 backbone project to formulate part of the Hydrogen transportation infrastructure of Greece and the wider SEE region. The project will also be connected to the planned Amyntaio - Komnina pipeline transporting natural gas (and hydrogen blend) to the CHP unit in Kardia.

West Macedonia pipeline

The new **Compressor station of Komotini** is the first electric-powered natural gas compression station in Greece, delivering zero emissions during its operation while also being able to accommodate natural gas and hydrogen blends, paving the way for a more sustainable future. Together with the **Ampelia compressor station, also completed within 2025,** will significantly increase the export potential of NNGTS towards neighboring countries, while strengthening the Vertical Gas Corridor, enhancing energy security and diversifying energy sources for consumers. They will allow Greece's export potential to reach 8.5 billion cubic meters annually, while retaining adequate capacity for the coverage of the needs of the domestic gas market in Greece. Komotini CS will also connect key infrastructure in the area, such as the FSRU Alexandroupolis and the wider national transmission system enhancing cross-border connectivity, exports to neighboring countries and the resilience and flexibility of the country's energy infrastructure.

Other important investments such as the hydrogen ready High Pressure pipelines to **Patras**, the duplication of HP pipeline **Karperi - Komotini**, and the **Amyntaio - Komnina hydrogen** pipeline are well advanced, progressing towards the Final Investment Decision.

The proposed draft TYDP 2025-2034 **has a total budget of 1.02 billion €. From these 210.6 mln. € correspond to new projects** with significant added value for the NNGS and consumers:

DESFA – Draft TYDP 2025-2034 -Key new Investment Projects (Total: €210.6 million)

Objective	Project	€ mln	Key Highlights
Network expansion for connection of new Users	A.2.1. Connection of Ptolemaida V and Agios Dimitrios with NNGTS	69	30 km hydrogen-ready pipeline; 2 M/R stations; the project enables connection of two P/P units as requested by PPC
Development project for Network expansion	A.3.1 Supply of Epirus and Agrinio via ssLNG supply chain	130	SSLNG Satellite station in Igoumenitsa; 68 km pipeline to Ioannina; expands gas to new region with potential for implementation of biogas/biomethane production units, in full compliance with the NECP and the approved development plan of Enaon EDA
Development project for expansion to new markets	A.4.1 2nd loading bay station in TLS facility Revithoussa	3.66	Additional truck loading skid; boosts TLS capacity & market flexibility
Network upgrade	A.6.3.1 Design and Implement new Revithoussa's Infrastructure Network and Data Center Facilities	2.58	Physical & cyber upgrades; enhances resilience of system
Network upgrade	A.6.2.1 Replacement/Upgrade of Metering & Control Systems at NNGS stations – 3rd phase	5.35	Modernization across 51 sites; improves reliability & compatibility

DESFA welcomes the views and feedback of all stakeholders on the proposed projects and investments, as part of its commitment to transparency and continuous improvement of the NNGS.

CHAPTER I. Introduction

Chapter I. Introduction

The Development Plan 2025-2034 is conducted in accordance with applicable legislation, namely article 14, article 68 par.2 (ka) of L. 4001/2011 and applicable provisions of the NNGS Network Code.

I. Preparation of NNGS Development Plan

As per the provisions of the legislation, for the preparation of the Development Plan, the following parameters are considered:

a) data on the current and the estimated supply and demand of natural gas,
b) the fulfillment of obligations to provide public utility services and gas supply security, aiming at the continuity of supply and prevention of congestions and of refusal of access for new users, in a reliable and economically efficient manner
c) the continuous improvement of the NNGS safety, reliability and efficiency, aiming at the prevention of incidents, failures and emergencies, in a reliable and economically efficient manner
d) the supply of new areas with natural gas and the ensuring of new Users' potential access
e) the protection of the environment, also by expanding the use of natural gas as an alternative, cleaner and more sustainable fuel, among others, in maritime and road transportation
f) the European development plan according to art. 32 as well as art. 26 par. 3(b) and art. 31 par. (1) of Regulation 2024/1789[1]
g) the viability of projects that are included in the Plan and their potential financing
h) the ongoing developments regarding the system's readiness to accept H_2 and other renewable gases' volumes, in compliance with EU Green Deal requirements.

The Development Plan includes projects whose construction is scheduled to begin within the timeframe of the Plan (i.e., for the period 2025-2034) as well as Planned Projects, whose construction has been approved in previous Development Plans but has not been completed yet.

[1] Regulation (EU) 2024/1789 of the European Parliament and of the Council of 13 June 2024 on the internal markets for renewable gas, natural gas and hydrogen, amending Regulations (EU) No 1227/2011, (EU) 2017/1938, (EU) 2019/942 and (EU) 2022/869 and Decision (EU) 2017/684 and repealing Regulation (EC) No 715/2009 (recast) (Text with EEA relevance)

The TSO justifies the rationale of the inclusion of the new projects in the Development Plan and includes information about the construction method, the estimated budget, the anticipated time schedule of the implementation, the way of financing the relevant investments as well as the cost recovery method.

II. Structure of the Development Plan

The Development Plan is structured as follows:

Chapter I. Introduction

Chapter II. Projects included in the three-year Development Period (namely 2025-2028)

A. New Projects

A.1. Projects for the interconnection of NNGS with other interconnected systems (connection/development projects)

A.2. Projects for the connection of Users

A.3. Development Projects: Expansion of NNGTS to new areas connected to distribution network

A.4. Development Projects: Expansion of NNGS to new markets

A.5. Development Projects: Increase of capacity & security of supply of NNGS

A.6. Development Projects: Improvement / modernization/ maintenance of NNGS

- A.6.1 LNG projects
- A.6.2. Transmission projects
- A.6.3. ICT projects
- A.6.4. Other projects

A.7. Projects relating to energy transition, decarbonization and innovation

A.8. Impact of the new projects on the Average Tariff for the Use of the NNGS

B. Planned Projects[2]

B.1. Projects for the interconnection of NNGS with other interconnected systems (connection/development projects)

B.2. Projects for the connection of Users

B.3. Development Projects: Expansion of NNGS to new areas connected to distribution network

B.4. Development Projects: Expansion of NNGS to new markets

B.5. Development Projects: Increase of capacity & security of supply of NNGS

B.6. Development Projects: Improvement / modernization/ maintenance of NNGS

- B.6.1. LNG projects

[2] see par. 80, art.1 of Network Code

III. Summary of projects in the Development Plan

The summary of each project included in the Development Plan is presented in the form of a table, accompanied by an explanation of its basic elements and the critical time milestones for its implementation, in accordance with the relevant provisions of the NNGS Network Code.

A. Project summary template

Project Summary	
Type of project	
Type of investment	
Current Budget	
Expected benefit	

Start date	
Final Investment Decision[3]	
Duration of the project[4] (for New projects only)	
Operation Date	
Entry in the system	
Current Status of Project	
Financing plan	
Recovery method	
Connection Agreement with User	
Impact on the Average Tariff for the use of NNGS (for New projects only)	
Inclusion in the 3-year Development Period	
First approval from RAAEY (for Planned Projects)	

B. Key elements and projects' milestones

1. The category of the project, such as Planned or New, Development or Connection Project
2. The type of investment (indicatively pipeline, compressor station, metering station, LNG and small-scale LNG facilities, CNG facilities, including all related plants, machineries, devices, equipment and systems for process monitoring, supervision, control, management and ancillary facilities such as consolidation, protection works, service roads, buildings, offices, IT systems, etc.)
3. The expected benefit, according to the criteria of art. 92 par. 2 of Network Code
4. The development phase and specifically if a project is:
   - under preliminary study, which includes preliminary market analysis, dimensioning and cost estimation that will allow the definition of the project for approval by RAAEY
   - under maturity, which includes basic design study, environmental authorization, and all the actions from approval by RAAEY up to the Final Investment Decision (i.e. Resolution to Construct) according to the definition of the NNGS Network Code
   - under construction, which includes the detailed design, procurement of materials and construction of the project as well as any tests following

[3] According to art. 1 par. 101 of NNGS Network Code

[4] Duration in months between Final Investment Decision and entry in the system.

mechanical completion, that are all the actions from the Final Investment Decision and up to inclusion of the project in the system

5. The project milestone dates:
   i. Start date, has the meaning assigned to in art. 1 par. 42 of NNGS Network Code and specifically "*the date of the first inclusion of a project in a Development Plan or List of Small Projects, as these are published in the website. The start of a project might be accompanied with prerequisites for its implementation*".
   ii. The date of Final Investment Decision, as defined in art. 1 par 101 of NNGS Network Code, and specifically "*the approval decision for the implementation of the project by the Operator without technical, commercial or financial preconditions. The FID is taken after (a) the approval of the Development Plan or the publication of the Small Projects List, in which it is included, (b) the signing of Connection Agreement for the Connection Projects, (c) the financing decisions, at least in relation to own capital and grants and (d) the approval of Environmental Terms. Contracts for procurement of materials and construction of projects are executed by the Operator after the taking of the FID*".
   iii. Duration of the project, referring to the time in months, estimated from the FID date till the anticipated entry in the system of the project
   iv. The anticipated Operation Date which is the estimated starting date of operation (for testing if necessary) after the mechanical completion of the project
   v. The anticipated date for entry into system, which is the start of normal operation (or Commercial Operation Date). Entry of a project into the system is performed after the issuance of operation license, where relevant.
6. The current estimation of the budget of the project
7. For new projects their estimated impact on the Average NNGS Tariff is calculated, as the latter is described and provided for in the NNGS Tariff Regulation
8. The financing plan and the recovery method of the investment
9. For Connection Projects whether there is a signed Connection Agreement with the User
10. Whether the project is part of the three-year Development Period according to the definition provided for in the Network Code. This period includes projects for which the Final Investment Decision (i) has been taken, or (ii) is considered possible to be taken within three (3) years from the first publication of the draft Development Plan on DESFA's website (i.e., up to November 2028). For projects not included in the 3-year Development Period, no planning is provided.

CHAPTER II.

Projects included in the 3YR Development Period

Chapter II. Projects included in the 3YR development period

A. New Projects

A1. Projects for the interconnection of NNGS with other interconnected systems (connection/development projects)

No new projects are proposed.

A2. Projects for the connection of Users

1. Connection of Ptolemaida V and Agios Dimitrios with NNGTS

Project summary	
Type of project	New Project
Type of investment	Pipeline, M/R
Current Budget	69.000.000 €
Expected benefit	Enabling access to new Users
Start date	November 2025
Final Investment Decision	January 2027[5]
Project Duration	20-24 months Phase A (Ptolemaida V): 20 months from the Connection Agreement/ DESFA's FID Phase B (Agios Dimitrios): 24 months from the Connection Agreement/ DESFA's FID
Operation Date	-
Entry in the system	-
Current Status of Project	Preliminary study
Financing plan	DESFA's own equity and loan

[5] Subject to the final investment decision by the applicant PPC and the undertaking of the required contractual commitments (Phase A and B) in accordance with the relevant legislation.

Recovery method	Connection Fee, Inclusion in RAB of Transmission Services and paid by the User through capacity booking over a specific Recovery Period, as provided for in the Network Code and will be included in the anticipated Connection Agreement
Connection Agreement	Not yet
Impact on the Average Tariff for the use of NNGS	Neutral
Inclusion in the 3-year Development Period	Yes

Following PPC's request (May 2025) for the connection of units Ptolemaida V and Agios Dimitrios with the NNGTS, DESFA has performed the relevant technical evaluations for the definition of the necessary investments. DESFA has preliminarily identified the need for the following investments:

- An extension of the West Macedonia pipeline, of approximately 10 Km, with a diameter of 30" to Ptolemaida V, with a further extension of approximately 20 km, 30" diameter pipeline to Agios Dimitrios.
- Two Metering/Regulating Stations (one in Agios Dimitrios and one in Ptolemaida V) with a capacity of at least 1,100 MWh/hour each, according to PPC's Application for consumption at the two consumption points. These stations should be able to be expanded, in case a new request for capacity increase by PPC is submitted in the future at these points of consumption.

The connections to the new PPC facilities will enhance the efficient utilization of the West Macedonia pipeline and will increase natural gas and renewable gases' consumption in West Macedonia for the upcoming decades, with minimal additional costs.

The project is subject to the final investment decision of PPC for both Ptolemaida V and Agios Dimitrios Units. It will be treated as a single connection project, partly recovered through Connection Fees (currently estimated at approximately 12 mln€, for the two exit points that will be created) and the remaining part, currently estimated at approximately € 57 million, will be included in the RAB of Transmission services, to be recovered through the regulated tariffs.

According to the provisions of the Network Code and the NNGS Tariff Regulation, PPC is required to book adequate capacity, at both exit points, for a period of time

equivalent to the time needed to recover the investment costs.

A3. Development Projects: Expansion of NNGS to new areas connected to distribution network

1. Supply of Epirus and Agrinio via ssLNG supply chain

Project summary	
Type of project	New Project
Type of investment	Small scale LNG facilities, Pipeline & M/R station
Current Budget	130.000.000 €
Expected benefit	Supply of natural gas to new areas, access to new Users, security of supply
Start date	November 2025
Final Investment Decision	July 2028
Project Duration	30 months
Operation Date	October 2030
Entry in the system	December 2030
Current Status of Project	Preliminary study
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in the RAB of LNG and Transmission
Impact on the Average Tariff for the use of NNGS	2.28%
Inclusion in the 3-year Development Period	Yes

The main objective of the project is to supply natural gas to the region of Epirus and specifically to the areas of Igoumenitsa, Ioannina, Arta, Preveza (as well as Agrinio) in the most efficient and secure way. The investment follows the requirements of the NECP (supply of Epirus with small-scale LNG as a priority) and the approved Development Plan of Enaon EDA and ensures the supply of natural gas to the above

areas in an efficient way, as well as the security of supply of Epirus and the entire small-scale LNG market, both domestic and abroad. At the same time, it promotes the smooth function of the ssLNG market and its further unhindered development. The LNG truck loading facility in Igoumenitsa can stimulate exports to neighboring countries, while the pier that will be constructed may be considered for bunkering use in the future, with the aim of exploiting the potential of coastal shipping in the Adriatic and Ionian seas.

The supply of the above municipalities, which have ~290,000 inhabitants (2021 census), of the numerous industrial and agricultural facilities in the region of Epirus, as well as in neighboring regions and counties, which are not supplied with natural gas, is expected to give a significant boost to development and substantially improve environmental conditions. In order to meet the demand of the cities to be supplied, natural gas will be provided transitionally by trucks from Revithoussa, and following the project completion, by LNG bunker ships to an appropriately designed dock or pier, as well as a small LNG unloading and storage facility in the area of Igoumenitsa. From there, the supply of natural gas to Ioannina will be carried out by pipeline, while to the surrounding cities through LNG trucks.

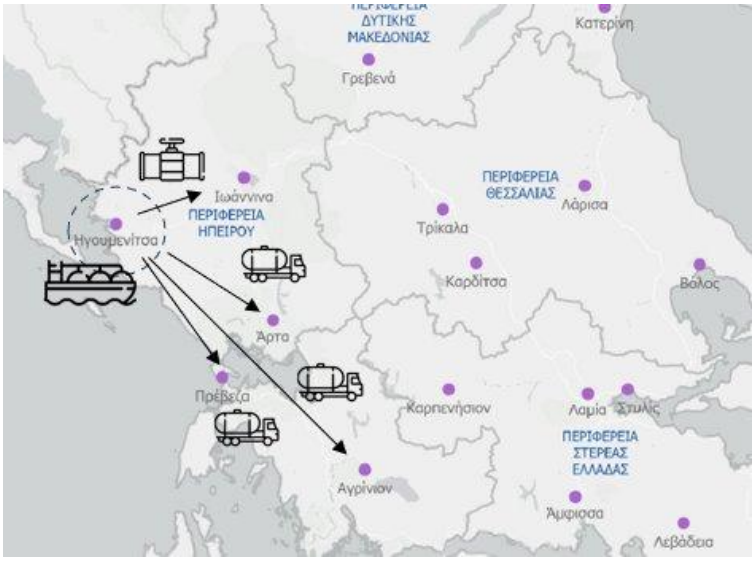


Figure 1. Supply scheme of Epirus and Agrinio

The LNG will be transported to the port of **Igoumenitsa** via a small-scale LNG vessel (~3,500m3), where it will be unloaded into storage facilities (~3,000m3). The project also includes a jetty for the reception of the ship and the unloading of LNG from the ship to the storage facilities. The jetty will be located near the port area of Igoumenitsa.

For the transport of natural gas from the LNG storage tank in Igoumenitsa to **Ioannina**, a regasification system designed to cover a range of capacities is required, with a maximum value of ~25,000 Nm3/h. Then, the compression of natural gas will be carried out with an array of reciprocating compressors (2 main and 1 spare), which will be capable of covering a range of flows, with a maximum of ~25,000 Nm3/h. The transport to Ioannina will be carried out via a 10 inch, 68km pipeline, capable of supplying the maximum intended flow.

For the transport of LNG from the storage tank in Igoumenitsa to the other areas **(Arta, Preveza and Agrinio)** with LNG trucks, a truck loading skid will be constructed.

A4. Development Projects: Expansion of NNGS to new markets

1. 2nd loading bay station in TLS facility Revithoussa

Project summary	
Type of project	New Project
Type of investment	Small scale LNG facilities
Current Budget	3.660.000 €
Expected benefit	Supply of new areas/markets/decarbonization of the Greek energy system
Start date	November 2025
Final Investment Decision	January 2026
Project Duration	19 months
Operation Date	May 2027
Entry in the system	July 2027
Current Status of Project	Preliminary study
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Ancilliary LNG Services
Impact on the Average Tariff for the use of NNGS	0.05%
Inclusion in the 3-year Development Period	Yes

The project includes all necessary actions for the installation of a 2nd loading bay at the Truck Loading Facility in Revithoussa. The second bay will replicate the first one, doubling the loading capacity, facilitating the expansion of the Truck Loading Service (TLS) market in Greece, improving the operational efficiency of the Terminal and strengthening the Security of Supply of the ssLNG market.

The second loading bay will provide the additional loading capacity required to meet the projected demand and always ensure smooth operation, including during peak periods. It is also essential to maintain the uninterrupted operation of the Truck Loading Service during maintenance or unforeseen events.

A5. Development Projects: Increase of capacity & security of supply of NNGS

No new projects are proposed.

A6. Development Projects: Improvement / modernization/ maintenance of NNGS

A.6.1 LNG projects

No new projects are proposed

A.6.2 Transmission projects

1. Replacement/Upgrade of Metering & Control Systems at NNGS stations – 3rd phase

Project Summary	
Type of project	New Project
Type of investment	Equipment of NNGTS
Current Budget	5.350.000 €
Expected benefit	Increased efficiency of the system
Start date	November 2025
Final Investment Decision	January 2026
Duration of the project	48 months
Operation Date	December 2029
Entry in the system	December 2029
Current Status of Project	Preliminary study
Financing plan	DESFA's own equity and other loan

Recovery method	Inclusion in RAB of Transmission Services
Impact on the Average Tariff for the use of NNGS	0.09%
Inclusion in the 3-year Development Period	Yes

The new project concerns the replacement/upgrade of Supervision/Control and/or Measurement Management Systems and/or local Network Equipment at the NNGS stations, both due to the obsolescence of equipment and software and to ensure compatibility among them through uniform equipment and software as well as similar architecture.
The replacement/upgrade works are applied to thirty-five (35) Line Valve (L/V) stations and to twenty-six (26) either both Metering/Regulating, Metering or Regulating Stations which were not included in the list of the recently upgraded stations of now completed project B.6.4 Replacement of Metering and Supervision/ Control systems at NNGTS M and M/R stations of NNGTS, included in the TYDP 2024-2033.

A.6.3. ICT projects

1. Design and Implement new Revithoussa's Infrastructure Network and Data Center Facilities

Project Summary	
Type of project	New Project
Type of investment	Upgrade works for LNG Terminal
Current Budget	2.580.000€
Expected benefit	Increase of efficiency/support of digitalization initiatives of Desfa
Start date	November 2025
Final Investment Decision	January 2026
Project Duration	36 months
Operation Date	December 2028
Entry in the system	December 2028

Current Status of Project	Preliminary study
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of LNG Services
Impact on the Average Tariff for the use of NNGS	0.06%
Inclusion in the 3-year Development Period	Yes

This project focuses on the physical and digital strengthening of DESFA's infrastructure, with a particular emphasis on the Revithoussa LNG Terminal. DESFA aims to proceed with major enhancements on Revithoussa LNG Terminal infrastructure to support digitalization initiatives, including the enhancement of security measures to protect against cyber threats, improving of reliability and performance and ensuring the physical security of our critical infrastructure.

The initiative ensures that both physical and cyber infrastructure meet the highest standards of safety, reliability, and regulatory compliance. The physical infrastructure upgrades at Revithoussa will involve enhancements to access control systems, perimeter security, surveillance, and structural reinforcements to mitigate potential threats and ensure uninterrupted operation of the LNG terminal. In parallel, in the project scope is the creation of 2 computer rooms one in Ag. Triada and one in Revithoussa Terminal. These measures will significantly enhance DESFA's resilience against physical and cyber threats, ensure business continuity, support the secure operation of critical energy infrastructure and contribute to the long-term sustainability and reliability of the national energy and gas networks.

A.6.4. Other projects

No new projects proposed.

A7. Projects relating to energy transition, decarbonization and innovation

No new projects proposed.

A8. Impact of the new projects on the Average Tariff for the Use of the NNGS

It is estimated that the inclusion in the Regulated Asset Base of the above new projects increases the Average Tariff for the usage of NNGS by **2,58%.** In addition to that, it should be highlighted that the benefits achieved from the above-mentioned projects would be important for the continuation of the efforts of DESFA towards the supply of new remote areas with natural gas and ongoing digitalization.

B. Planned Projects

B1. Projects for the connection of NNGS with other interconnected systems (connection/development projects)

1. Pipeline Nea Mesimvria – Evzoni/ Gevgelija and Metering Station

Project Summary	
Type of project	Planned Project
Type of investment	Pipeline & M Station
Current Budget	92.036.000 €
Expected benefit	Development SEE market, increase of usage of NNGS
Start date	June 2017
Final Investment Decision	Taken
Operation Date	September 2026
Entry in the system	October 2026 [6]
Current Status of Project	Under construction
Financing plan	DESFA's own equity and other loan
Recovery method	Inclusion in RAB of Transmission Services
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision 236/2019 (TYDP 2017-2026)

The project aims at the interconnection of natural gas transmission systems of Greece and North Macedonia which will enhance the diversification of supply sources for North Macedonia. The latter one is currently solely dependent on the supply of gas from its congested interconnection with Bulgaria.

DESFA and NER signed a Memorandum of Understanding for the project in October 2016 but also concluded, on 10 September 2021, a Cooperation Agreement for the construction of the pipeline on both parts of the border.

[6] Subject to the completion of the Works related to the construction of the North Macedonian part of the pipeline

Access to NNGS, and especially to the LNG terminal of Revithoussa and to natural gas through TAP pipeline, can benefit market competition thus leading to lower prices for the supply of natural gas in the neighboring country. Meanwhile, the project enhances the regional development of natural gas market and the involvement of more market players thus enhancing the role of Greece as a hub. Furthermore, it will lead to the increased usage of the NNGTS and thus lead to a reduction of the tariffs for the usage of the transmission system in the long term.

The Greek Part of the project comprises of:

- Approx. 55 km pipeline of 30'' with 80 barg design pressure and 66,4 barg maximum operating pressure starting from DESFA's O&M Centre at Nea Mesimvria (downstream of the current compressor station) and ending to the Border Station U-7550 which will be installed to the administrative limits of the Community of Evzoni, eastern of river Axios.
- A Border Metering Station (BMS) in the interconnection area (estimated capacity 430.000 Nm^3/h), with a central bypass arrangement of the station at 50% of the final capacity.

  The new Border Metering Station design philosophy is a configuration of separate section, as follows:

  a. filtering section (1+1), one filtering stream in operation and one stand-by - each stream's capacity of 430.000 Nm^3/h,
  b. metering section (2+1), two metering streams in operation and one stand-by - each stream's capacity of 215.000 Nm^3/h,
  c. flow control section (2+1), two flow control streams in operation and one stand-by - each stream's capacity of 215.000 Nm^3/h,
- A ~1,5Km 28'' diameter High-Pressure pipeline from the BMS area to the Interconnection Point with North Macedonia
- A Block Valve Station along the pipe routing, in the area of Kilkis
- A Scraper Station (Launcher) installed in the connection with NNGTS in Nea Mesimvria
- A Launcher and a Receiver Scraper Station installed in the Border Station area.

DESFA launched a Market Test process in July 2022, which was successfully concluded and the ARCAs with the relevant participants were signed by the end of 2022.

The project has been designed and constructed as a pipeline able to transport H_2 up to 100%, in line with the decarbonization plan of DESFA and the existing plans for the development of hydrogen production in West Macedonia region. In the future, should market circumstances so require, the pipeline to North Macedonia will be connected to the planned H2 backbone project[7] to formulate part of the Hydrogen transportation infrastructure of Greece and the wider SEE region.

[7] Commission Delegated Regulation 2024/1041, Hydrogen interconnections in Central Eastern and Southeastern Europe (HI East), 10.3.1 Internal hydrogen infrastructure in Greece towards the Bulgarian border.

Figure 2. Routing of the pipeline from Nea Mesimvria to the border with North Macedonia

B2. Projects for the connection of Users

1. Connection of ELVAL plant to the NNGTS in Inofyta

Project Summary	
Type of project	Planned Project
Type of investment	Pipeline/Metering station
Current Budget	Under revision and subject to the amendment of the Connection Agreement
Expected benefit	Enabling access to new Users
Start date	December 2015[8]
Final Investment Decision	Taken
Operation Date	Under revision, following User's request, and subject to the amendment of the Connection Agreement
Entry in the system	
Current Status of Project	-

[8] The Start date refers to the day of submission of the application for Advanced Reservation of Capacity.

Financing plan	DESFA's own equity and loan
Recovery method	Connection Fee
Connection Agreement with User	Yes
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision 755/2020 (TYDP 2020-2029)

The project will be implemented for natural gas supply of the ELVAL SA plant in Inofyta, Viotia, for various thermal uses. A new pipeline (extending the NNGTS), two scraper stations (launcher/ receiver) and a M/R station will be constructed for the supply of ELVAL plant.

The new M/R Station is designed with an initial capacity of 11.500Nm^3/h, in a configuration of (1+1) – one metering/regulating stream in operation and one stand-by, with future provision for expansion to max capacity of 23.000 Nm^3/h, when this will be justified demand-wise by the downstream connected system.

2. Connection with THERMOILEKTRIKI KOMOTINIS Power Plant to the NNGTS

Project Summary	
Type of project	Planned project
Type of investment	Pipeline / Metering station
Current Budget	6.940.000 €
Expected benefit	Enabling access to new Users
Start date	June 2020
Final Investment Decision	Taken
Operation Date	March 2026
Entry in the system	May 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Connection Fee / Additional Connection Fee
Connection Agreement with User	Yes

Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision 116/2021 (TYDP 2021-2030)

The project includes the construction of a new 1,5km pipeline that will be connected to the branch of ''Komotini-Alexandroupoli'' with the method of hot-tapping, construction of one line valve station, construction of one Metering station with two metering skids (1 working + 1 stand by) with capacity of 142.000 Nm^3/h, a central inlet and outlet Emergency Shut Down valve stations, and one-line valve station as NNGTS exit point.

It is noted, that the plant has already been connected to the NNGS with the completion of the projects a. Connection of the new Power Plant of Thermoelectriki up to the NNGTS West of LVS Komotini (pipeline from the M-station up to the 24'' network) b. Construction of LVS and Hot-tapping connection for the new Power Plant of Thermoelectriki, West of LVS Komotini and c. Regulating station Komotini that are completed.

3. Connection with ELPEDISON Power Plant to the NNTGS

Project Summary	
Type of project	Planned project
Type of investment	Pipeline/ Metering station
Current Budget	Under revision and subject to the amendment of the Connection Agreement
Expected benefit	Enabling access to new Users
Start date	June 2020
Final Investment Decision	Taken
Operation Date	Under revision, following User's request, and subject to the amendment of the Connection Agreement
Entry in the system	
Current Status of Project	-
Financing plan	DESFA's own equity and loan
Recovery method	Connection Fee
Connection Agreement with User	Yes
Inclusion in the 3-year Development Period	Yes

First approval from RAAEY	Decision 116/2021 (TYDP 2021-2030)

The aim of this project is to install a Metering Station in the west area of Thessaloniki in order to supply with natural gas the new Power Plant of ELPEDISON. The project comprises the construction of a new 0,3km pipeline that will be connected to the branch of "Pentalofos - Diavata'' with the method of hot-tapping, construction of one-line valve station, construction of one Metering station with two metering skids, 1 working + 1 stand by, with capacity of 130.000 Nm^3/h and construction of central inlet and outlet Emergency Shut Down valve stations inside DESFA's property.

4. Connection of "Alexandroupolis SA" power station with NNGS and Metering Station

Project Summary	
Type of project	Planned Project
Type of investment	Pipeline, Metering Station
Current Budget	12.806.800 €
Expected benefit	Enabling access to new Users
Start date	June 2023
Final Investment Decision	May 2026[9]
Operation Date	September 2027
Entry in the system	September 2027[10]
Current Status of Project	Under maturity
Financing plan	DESFA's own equity and loan
Recovery method	Connection Fee / Inclusion in RAB of Transmission Services and paid by the User through capacity booking over a specific Recovery Period, as provided

[9] It is a provisional date for Final Investment Decision; the relevant provisions of the Network Code apply.

[10]It is noted that according to the terms of the Connection Agreement, the commencement date for the provision of firm capacity starts from the later date of (a) the entry in the system of the Connection Project and (b) the entry in the system of the project for the duplication of the Karperi-Komotini high pressure branch

	for in the Network Code and agreed in the Connection Agreement
Connection Agreement with User	Yes
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision E68/2023 (TYDP 2023-2032)

The project will enable connection between “Alexandroupolis SA” power station and the NNGTS, in order to operate a new gas turbine plant for electricity production with 840 MWe capacity.
It consists of:

- a High-Pressure Natural Gas pipeline with a diameter of 16 inches and a design pressure of 80 barg, with a length of approximately 6,5 km.
- a new Metering Station (M) in the area of Alexandroupoli.

The project will be 100% H2 ready.

5. Connection of " Larisa Thermoelectriki" power station with NNGS and Metering Station

Project Summary	
Type of project	Planned Project
Type of investment	Pipeline, Metering Station
Current Budget	7.931.500 €
Expected benefit	Enabling access to new Users
Start date	June 2023
Final Investment Decision	February 2026[11]
Operation Date	January 2028
Entry in the system	February 2028[12]

[11] It is a provisional date for Final Investment Decision; the relevant provisions of the Network Code apply.

[12] The date is set subject to the specific terms of the Advanced Reservation Capacity Allocation (ARCA) agreement in relation to the implementation timeline of the connection project from DESFA.

Current Status of Project	Under maturity
Financing plan	DESFA's own equity and loan
Recovery method	Connection Fee / Inclusion in RAB of Transmission Services and paid by the User through capacity booking over a specific Recovery Period
Connection Agreement with User	No yet
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision E68/2023 (TYDP 2023-2032)

The project will enable connection between "Larisa Thermoelectriki" power station and the NNGTS, in order to operate a new gas turbine plant of electricity production with 872.6 MWe capacity.

It consists of:

- a High-Pressure Natural Gas pipeline with a diameter of 16 inches and a design pressure of 80 barg, with a length of approximately 1,1 km.
- a new Metering (M) Station

The project will be 100% H2 ready.

B3. Development Projects: Expansion of NNGS to new areas connected to distribution network

B.3.1. Supply of West Macedonia

1. Kardia Metering Station and connection to HPP WM *(remaining scope of project High-Pressure pipeline to West Macedonia project)*

Project Summary	
Type of project	Planned Project
Type of investment	M station
Current Budget	4.662.000 €

Expected benefit	the supply of new areas with natural gas ensuring new Users' potential access/ decarbonization of Greek System
Start date	July 2020
Final Investment Decision	Taken
Operation Date	M station Kardia-Kozani: May 2026
Entry into the system	M station Kardia-Kozani: August 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan, NSRF 2021-2027 grant[13]
Recovery method	Inclusion in the RAB of Transmission System (w/o possible grants)
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision 116/2021 (TYDP 2021-2030)

Kardia Metering Station serves the supply of the district heating installations for the cities of Kozani, Ptolemaida and Amyntaio, as well as line valves to supply other consumption in the region. The Metering Station is designed with a total capacity of 50.000Nm3/h, in a configuration of (1+1) – one metering stream in operation and one stand-by. The timeline of the M station is aligned with the teleheating installations project time schedule.

2. M/R Station in the region of Aspros

Project Summary	
Type of project	Planned Project
Type of investment	Metering & Regulating Station
Current Budget	5.034.000 €
Expected benefit	Supply of new areas
Start date	December 2019
Final Investment Decision	Taken
Operation Date	October 2026
Entry in the system	November 2026

[13] Approved financing from NSRF 2021-2027

Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission Services
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision 755/2020 (TYDP 2020-2029)

The M/R Station in Aspros will receive natural gas from the West Macedonia Pipeline, and it will serve the supply of the distribution network of the cities of Edessa, Skidra and Gianitsa via two distribution companies.

The new M/R Station is designed with an initial capacity of 15.000Nm^3/h and outlet pressure of 16,7 barg, (in a configuration of (1+1) – one metering/regulating stream in operation and one stand-by), with future provision for expansion to max capacity of 30.000 Nm^3/h, when this will be justified by demand-wise by the downstream connected system.

The project is designed to be 100% H_2 ready.

3. M/R Station in the region of Perdikas Eordeas

Project Summary	
Type of project	Planned Project
Type of investment	Metering & Regulating Station
Current Budget	5.043.000 €
Expected benefit	Supply of new areas
Start date	December 2019
Final Investment Decision	Taken
Operation Date	November 2025
Entry in the system	January 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission Services
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision 755/2020 (TYDP 2020-2029)

The new M/R Station is designed with capacity of 10.000Nm^3/h and outlet pressure of 16,7 barg, (in a configuration of (2+1) – two metering/regulating streams in operation and one stand-by). The station will be constructed with the maximum capacity according to the revised demand provided by the downstream connected system. The project is designed to be 100% H_2 ready.

B.3.2. Supply of Western Greece & Peloponnese

1. High Pressure Pipeline to Patras

Project Summary	
Type of project	Planned Project
Type of investment	Pipeline & M/R Station
Current Budget	117.00.000 €
Expected benefit	Supply of new areas enabling potential access of new Users
Start date	July 2020
Final Investment Decision	December 2025[14]
Operation Date	December 2027
Entry in the system	March 2028
Current Status of Project	Under maturity
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission Services
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision 116/2021 (TYDP 2021-2030)

In line with relative request of the Western Greece Region, the project concerns the connection of the city of Patras and the Industrial Area (VIPE) of Patras with the NNGS, with provision for future extensions to other cities of the Western Greece Region.

According to Basic Design, the project consists of a high-pressure pipeline, of approximately 145 km and 20" diameter, starting from a suitable point on the HPP branch of Megalopolis. The project also includes all necessary infrastructure and a

[14] Subject to the timely receipt of Environmental terms approval

Metering / Regulating station. The M/R Station will be designed with an initial capacity of 27.500Nm^3/h with configuration of (1+1) – one metering/regulating stream in operation and one stand-by, with future provision for expansion to max capacity of 55.000 Nm^3/h, when this will be justified demand-wise by the downstream connected system.

DESFA will coordinate with the Distribution System Operator who will undertake the development of the distribution network in the region.

The project has been designed and constructed as a pipeline able to transport H2 up to 100%, in line with the decarbonization plan of DESFA.

Figure 3. Pipeline Routing of HPP to Patras

B.3.3. Supply of Central Macedonia

1. Drymos/Liti M/R city gate station

Project Summary	
Type of project	Planned Project
Type of investment	Metering & Regulating station
Current Budget	4.000.000 €
Expected benefit	Supply of new areas
Start date	July 2020
Final Investment Decision	Taken

Operation Date	June 2027
Entry in the system	September 2027
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in the RAB of Transmission Services
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision 116/2021 (TYDP 2021-2030)

The Metering / Regulating Station in Drymos will be fed from the National Natural Gas Transmission System (NNGTS) through the existing main pipeline with Hot-Tapping Method. The new M/R station's maximum capacity will be 18.000Nm^3/h and it will be constructed in two phases: Phase 1: 9.000 Nm^3/h, Phase 2: 18.000 Nm^3/h.

In the first phase, two (2) gas metering and regulating streams shall be installed in a (1+1) configuration – one in operation and one stand-by – with each stream's capacity of 9.000 Nm^3/h, an interconnecting pipeline of c.a 100m length, Hot-Tapping configuration with all relevant equipment and installations, as well as Control Room's and RCC's equipment that will be installed at M/R station's Cabinet.

The project is designed to allow for a specific percentage of blends; the allowable blend of H_2 and natural gas is under evaluation, according to the specifications of the existing infrastructures.

2. M/R Station to Veroia

Project Summary	
Type of project	Planned Project
Type of investment	M/R Station
Current Budget	3.666.000 €
Expected benefit	Supply of new areas
Start date	October 2021
Final Investment Decision	Taken
Operation Date	August 2026
Entry into the system	September 2026
Current Status of Project	Under construction

Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission Services
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision 666/2022 as valid (TYDP 2022-2031)

The purpose of the project is the installation of a Metering/Regulating Station (along with the necessary building facilities and supporting equipment) in the extended area of Veroia for the supply with natural gas. The M/R station will be connected to the 10'' branch Arsenio-Veroia which is part of the HPP to West Macedonia (already completed project) upstream and downstream with the expected distribution network of ENAON.

The M/R Station will be designed with an initial capacity of 8.000 Nm^3/h and outlet pressure of 16,7 barg, (8.000 Nm^3/h, configuration 1+1 – one metering/regulating stream in operation and one stand-by), with future provision for expansion to max capacity of 16.000 Nm^3/h, when this will be justified demand-wise by the downstream connected system. The project is designed to be 100% H2 ready.

3. M/R Station to Naousa

Project Summary	
Type of project	Planned Project
Type of investment	Metering & Regulating Station
Current Budget	3.666.000 €
Expected benefit	Supply of new areas
Start date	October 2021
Final Investment Decision	Taken
Operation Date	September 2026
Entry in the system	October 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission Services

Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision 666/2022 as applicable (TYDP 2022-2031)

This new M/R Station U-9130 concerns the installation of a Metering/Regulating Station at the Kopanos area of Naousa for the supply with natural gas.

The M/R station will be fed through LVS U-9120 of the 10"branch Arsenio-Veria, which is part of the 30'' HHP to West Macedonia.

The M/R Station will be designed with a total capacity of 6.000Nm^3/h and outlet pressure of 16,7 barg, (6.000 Nm^3/h, configuration 1+1 – one metering/regulating stream in operation and one stand-by), including as well as skid shelter, Control Room and RCC building Station and supporting equipment. The project is designed to be 100% H2 ready.

B4. Development Projects: Expansion of NNGS to new markets

1. Port's Extension for the LNG Trucks transfer to and from Revithoussa Terminal

(remaining part of Truck Loading (first) station)

Project Summary	
Type of project	Planned Project
Type of investment	Small scale LNG facility
Current Budget	1.720.000 €
Expected benefit	Supply of new areas/markets/ decarbonization of the Greek energy system
Start date	April 2016
Final Investment Decision	Taken
Operation Date	November 2026
Entry in the system	November 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Ancillary LNG Services

Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision 64/2017 (TYDP 2016-2025)

This is the remaining scope of work from project Truck Loading Pilot station, included and approved in previous TYDPs and is now in operation. The remaining part refers to expansion of two ports (Perama Megaridos and Almyra) for the transfer of LNG trucks to/from Revithoussa Terminal station via a ferry.

2. New jetty for small-scale LNG in Revithoussa

Project Summary	
Type of project	Planned Project
Type of investment	Small Scale LNG facility
Current Budget	44.207.000 €
Expected benefit	Supply of new areas/markets/opening of a new gas market sector for Greece (bunkering)/ decarbonization of the Greek energy system
Start date	June 2017
Final Investment Decision	Taken
Operation Date	March 2027
Entry in the system	March 2027
Current Status of Project	Under Construction
Financing plan	Poseidon Med II Grants (for studies), NSRF 2014-2020 grants[15], DESFA's own equity and loan
Recovery method	Inclusion in RAB of Ancillary LNG Services
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision 755/2020 (TYDP 2020-2029)

The new jetty system for loading/unloading LNG small-scale LNG ships with capacity from 1.000 m^3 and up to 30.000 m^3 will be realized in the north-east area of Revithoussa Island. The project will consist of the onshore infrastructures of cryogenic piping and utilities and the marine facilities of a multi-buoy mooring system, a

[15] Approved financing from NSRF 2014-2020.

loading/unloading floating platform, and hoses for transferring LNG to/from small-scale LNG ships.

The smallest ships will primarily be used to supply vessels powered by LNG (cruisers, containerships, Ro-Pax), mainly in the port of Piraeus and possibly other ports in the vicinity of Revithoussa.

The larger ships will transport LNG to satellite LNG storages and distribution stations in other coastal locations in in Greece, either to ports (such as Patras, as foreseen in the Poseidon Med II[16] program), or off-grid installations where gas consumption will be regarded as feasible, including islands, through virtual pipeline schemes. In addition, the new jetty system will allow the unloading of small LNG ships that have been loaded in other European LNG Terminals, thus enabling the terminal to receive small ships and optimize its storage utilization.

Following the assessment of the Geotechnical Investigations findings and the latest global developments of the LNG market, the optimal solution is to proceed with a Floating Platform System on the north side of the island; the finalization of the project's design led also to the respective timeline update of the project. The project is an implementation of the studies under POSEIDON MED II.

B5. Development Projects: Increase of capacity & security of supply of NNGS

1. Booster Compressor for TAP in Nea Mesimvria

Project Summary	
Type of project	Planned Project
Type of investment	Compressor station
Current Budget	49.468.000 €
Expected benefit	Efficiency of NNGS, effective operation enabling transit flows
Start date	December 2019
Final Investment Decision	Taken

[16] POSEIDON MED II, under the auspices of the INEA (Innovation and Network Executive Agency), is part of the necessary steps towards adopting liquefied natural gas as a marine fuel in the Eastern Mediterranean, making Greece the focal point for supplying and distributing liquefied natural gas in Southeast Europe, implementing Directive 94/2014 / EU and Law 4439/2016 incorporating the above Directive into Greek law. In this action 26 partners from the shipping and gas industries of three EU Member States were involved (Cyprus, Greece, Italy)

Operation Date	November 2026
Entry in the system	December 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission Services
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision 755/2020 (TYDP 2020-2029)

The project concerns the installation of a new Compressor Station in order to supply the Trans Adriatic Pipeline with delivery pressure significantly higher than the NNGS operating pressure.

According to the provisions of the paragraph 4.7.4 of the Joint Decision of Greek, Albanian and Italian Regulators for the exemption of TAP from articles 9, 32, 41(6), (8) and (10) of Directive 2009/73/EC (Decision of RAE 269/2013 Gov. Gaz. 1833/29.07.2013) at least one (1) Tie-In Point between NNGS and TAP pipeline should be realized, with a nominal capacity of 10 mil. Nm^3/ day and bi-directional flow capability. The cost of the construction of the above-mentioned investment, based on the exemption decision, will be covered by DESFA and will be recovered through the tariffs of the Users of the National Natural Gas System.

According to the regulatory framework the tie in point must be bidirectional. Due to the difference in the operating pressure (66,4 barg vs 93 barg respectively) flow from NNGTS to TAP requires the installation of a Compressor Station.

This investment enables the bi-directional flow in the interconnection (2^{nd} phase of the project).

The characteristics of the compressor station refer to the installation of 2 units of 1,1 MW and 1 unit of 3,3 MW, with no spare capacity. This configuration can cover a widespread range of flows, from very low up to 10 million Nm^3 per day.

The Compressor will be electric motor driven with variable speed and will be able to operate with up to 20% hydrogen.

2. Duplication of the HP branch Karperi-Komotini

Project Summary	
Type of project	Planned Project
Type of investment	Pipeline

Current Budget	321.563.000 €
Expected benefit	Increase of capacity of NNGTS
Start date	February 2023
Final Investment Decision	December 2025 [17]
Operation Date	December 2027
Entry in the system	March 2028
Current Status of Project	Under Maturity
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission Services
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision E68/2023 (TYDP 2023-2032)

The proposed project refers to the construction of a 30 inches, 215 km 100% H2 ready[18] pipeline parallel to the existing network from Karperi to Komotini (refer to the map for the project's indicative routing).

The project is a priority project for DESFA since it will increase the ability of the NNGTS to remove bottlenecks and accommodate additional flows between the different parts of the System. Its main aim is to eliminate the bottlenecks for the provision of firm capacity to the new entry and exit points of the northern part of the NNGTS, as well as the provision of firm access to the VTP. Such removal of the bottlenecks will increase the liquidity of the Greek VTP and provide to all NNGTS Users equitable access to all northern exit points, increasing in such a way the benefits for the Greek market.

The project will provide firm capacity the NNGTS for export to Bulgaria via IGB, also exploiting the operation of the recently completed compressor station in Komotini, which has increased the export capacity toward IGB to 5bcma. Furthermore it also serves the increased capacity needs from the Eastern entry points of the NNGTS (Kipi and Anfitriti) to the Western parts of the system and the VTP, a characteristic which is extremely important for the diversification and the security of gas supplies of the Greek and the SEE energy market, following the war in Ukraine.

[17] Subject to the timely receipt of Environmental terms approval

[18] H_2 ready pipeline means that this pipeline has been constructed under H_2 construction standards and will be able to operate with 100% H2 without modifications.

This H_2 ready pipeline, should the market circumstances so require and permit, may be linked in the future to the H_2 backbone in Karperi and be used to transport pure hydrogen to the Eastern part of the network, where a fertilizer and two combined cycle power plants able to consume natural gas in high percentages of blending with H_2 will be in operation. In addition, it can bring H_2 from the Eastern part of Northern Greece, which possesses a very high potential of renewable sources, able to produce low cost H_2, toward the Western Part of Northern Greece and Epirus, to be exported through the future H_2 interconnection to Italy and the SoutH2 Corridor, which has been recently included in the new PCI list of projects.

Figure 4. Map of Karperi Komotini project

B6. Development Projects: Improvement / modernization/ maintenance of NNGS

B.6.1 LNG projects

1. Upgrade of Control Room, Guardhouse and Fire Brigade Building of the LNG Terminal in Revithoussa – Phase 1

Project Summary	
Type of project	Planned Project
Type of investment	Project for control/management of LNG terminal
Current Budget	100.000 €
Expected benefit	Increased efficiency of the system
Start date	February 2023
Final Investment Decision	Taken
Operation Date	March 2026

Entry in the system	March 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of LNG services
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision E68/2023 (TYDP 2023-2032)

The Project concerns the upgrade of the Control Room, Guardhouse, and Fire Brigade Building of the LNG Terminal in Revithoussa. It includes all necessary planning and design preparation for the complete renovation of these three (3) buildings, covering Architectural, Structural, Mechanical, Electrical, HVAC, Plumbing and Sanitary aspects.

Phase 1 of the project will define all requirements and provide detailed specifications and technical guidelines to be followed during construction. Upon successful completion of Phase 1, the project will proceed to Phase 2, which involves the implementation under an EPC Contract.

2. Replacement - Upgrade of the Central Control System (DCS - FGS – ESD) of Revithoussa Terminal

Project Summary	
Type of project	Planned Project
Type of investment	Upgrade works for LNG Terminal
Current Budget	3.037.000 €
Expected benefit	Increased efficiency of the system
Start date	February 2023
Final Investment Decision	Taken
Operation Date	December 2026
Entry in the system	December 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of LNG services

Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision E68/2023 (TYDP 2023-2032)

The Central Control System (CCS) at the Revithoussa LNG Terminal was initially deployed in 1999 and has been expanded as part of the capacity expansion project, 3rd Tank and the Truck Loading project. The CCS comprises a Distributed Control System (DCS), an Emergency Shutdown System (ESD) and a Gas, Fire and Spill Control System (FGS).

The replacement - upgrade foresees the following:

a. Upgrade of the DCS HMI
b. DCS Connectivity interface
c. Upgrade of the old generation DCS Field Control Stations
d. Extension of ESD-SLS Lifetime
e. Upgrade of the FGS in two phases

- **Phase A**: The reverse engineering, HAZOP, SIL/SIF evaluation and conceptual design
- **Phase B**: The detailed design, implementation, testing, site installation, commissioning: The Replacement – Upgrade of the CCS ensures the lifetime extension for the next 10 years, connectivity with other domains (WFM, SAP, PBI etc.), OT Security framework and readiness for expansion.

3. New quay for passenger boat at Agia Triada & Revithoussa

Project Summary	
Type of project	Planned Project
Type of investment	Upgrade works for LNG Terminal
Current Budget	2.211.400 €
Expected benefit	Increased efficiency of the system
Start date	February 2023
Final Investment Decision	October 2026
Operation Date	June 2028

Entry in the system	August 2028
Current Status of Project	Under maturity
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of LNG services
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision E68/2023 (TYDP 2023-2032)

The Ferry boat occupies the quay with its approach, making it unsafe for passengers to board and disembark at the personnel lances. Also, the existing quays in Agia Triada and Revithoussa are not fully protected from the weather.

The project includes the construction of new quays exclusively for the approach of the personnel lances in Agia Triada and Revithoussa with access from both (2) sides of the lance, fully protected from the weather conditions, with fenders, mooring hooks, sheltered stand, power supply and marina type water.

4. Overhaul of LNG pumps

Project Summary	
Type of project	Planned Project
Type of investment	Equipment of LNG facility
Current Budget	5.100.000 €
Expected benefit	Increased efficiency of the system
Start date	January 2024
Final Investment Decision	Taken
Operation Date	Part A: December 2024 (completed) Part B: December 2025 Part C: December 2026 Overhaul BOG: December 2026
Entry in the system	Part A: December 2024 (completed) Part B: December 2025 Part C: December 2026 Overhaul BOG: December 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of LNG Services

Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision E53/2025 (TYDP 2024-2033)

The scope of services pertains to the provision of services, required spare parts and supervision by suitable engineers and subcontractors for inspection, overall predictive maintenance and execution of necessary repairs of the LNG pumps and the BOG compressor. The projected works will include:

Removal of the pumps & transportation to LNG plant workshop

1. Disassembly and subsequent inspection by specialized engineers
2. Maintenance of the pumps (by replacement of consumable spare parts) and/or execution of necessary repairs to return pumps to satisfactory working condition
3. Assembling of all parts - Reinstallation & Commissioning
4. Test runs
5. Performance tests

Part A: Refers to Low Pressure pumps of LNG Tanks A & B as well as two (2) out of six (6) High Pressure pumps of the terminal.

Part B: Refers to Low Pressure pumps of Tank C as well as two (2) additional out of six (6) High Pressure pumps of the terminal.
Part C: Refers to the overhaul maintenance of two (2) High Pressure pumps, which were installed in 2018, and it is expected to reach the operational hours depicted by the vendor.

5. LNG Maintenance Projects 2024-2026

Project Summary	
Type of project	Planned Project
Type of investment	Equipment of the LNG facility
Current Budget	1.200.000 €
Expected benefit	Increased efficiency of the system
Start date	May 2024
Final Investment Decision	Taken
Operation Date	December 2026

Entry in the system	December 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of LNG Services
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision E53/2025 (TYDP 2024-2033)

The project refers to a basket of capital expenses related to upgrading of the existing equipment – systems of the LNG Terminal. The upgrades include: the Rethermal coating of ORVs, the upgrade of level system of the Tanks A&B, the replacement of emergency lighting of process, the upgrade of firefighting network, the overhaul maintenance of electrochlorination unit, the upgrade of emergency loudspeaker system and the overhaul maintenance of automatic filters of sea water intake.

The remaining investments from TYDP 2024-2033 planned project " B.6.25.LNG Maintenance Projects 2023" are transferred here.

i. **Upgrade of SCVs A&B**

This project includes the supply of special maintenance tools (capex) for the mechanical, electrical and instrumentation sectors. It concerns battery chargers, washing machines, dynamometers, portable measuring instruments, etc.

ii. **Upgrade of seismic detection system**

The LNG terminal earthquake detection system has been installed since the beginning of the LNG plant for the purpose of detecting, measuring, recording and producing an emergency shutdown signal in the event of a major earthquake from two (2) installed seismographs.

The upgrade of the earthquake detection system includes the placement of three (3) new detectors in different parts of the facility and a new recorder with the corresponding software. The emergency shutdown signal will be generated when two (2) out of the three (3) detectors detect an earthquake greater than the upper limit.

6. Replacement & Upgrade of Unloading Arm C

Project Summary

Type of project	Planned Project
Type of investment	Equipment of LNG facility
Current Budget	3.011.000 €
Expected benefit	Increased efficiency of the system
Start date	May 2024
Final Investment Decision	Taken
Operation Date	December 2026
Entry in the system	December 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of LNG Services
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision E53/2025 (TYDP 2024-2033)

The project refers to the replacement of Unloading Arm C, in the LNG Terminal in Revithoussa, with a new one. Simultaneously DESFA plans to upgrade the existing unloading arm that is being replaced so that it can be used as a spare in future overhaul maintenance.

B.6.2 Transmission projects

1. Cathodic Corrosion Protection System Upgrading

Project Summary	
Type of project	Planned Project
Type of investment	Equipment for NNGTS
Current Budget	2.041.546 €
Expected benefit	Increased efficiency of the system
Start date	July 2019
Final Investment Decision	Taken

Operation Date	September 2026
Entry in the system	September 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of the Transmission Services
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision 755/2020 (TYDP 2020-2029)

Continuous monitoring of Cathodic Protection System (CPS) can be used as a pipeline integrity diagnostics tool complementary to In-Line Inspection (ILI), enriching also with valuable data the Pipeline Integrity Management System (PIMS).

The proposed upgrade of the cathodic protection system involves the following key actions, three of which have already been completed: (i) Installation of monitoring equipment with data telemetry and remote adjustment capabilities, (ii) Review and update of electromagnetic interference (EMI) studies, (iii) Replacement of surge arresters for induced voltages in the existing grounding system.

The remaining action is:

1. Procurement and installation of additional grounding systems

The project involves the procurement and installation of additional grounding systems at selected locations along the National Natural Gas Transmission System (NNGTS). This includes the installation of additional Cathodic Protection Monitoring Stations, Surge Protection Devices (DC decoupling devices), and grounding materials. The new grounding requirements were identified through the previously conducted electromagnetic interference (EMI) study. The project will be carried out in two phases:

Phase 1: Southern Greece (to be completed by the end of 2025)

Phase 2: Central and Northern Greece.

2. Expansion and Upgrade of M/R Stations of Exit Point to Distribution Network 'Athens'

Project Summary	
Type of project	Planned Project
Type of investment	M/R equipment
Current Budget	3.307.000 €

Expected benefit	Improvements to the efficiency and effectiveness of the NNGS
Start date	October 2021
Final Investment Decision	Taken
Operation Date	August 2026
Entry into the system	September 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission Services
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision 666/2022 as applicable (TYDP 2022-2031)

The Exit Point to Distribution Network 'ATHENS' is served by the Metering/Regulating Stations 'ATHENS NORTH', 'ATHENS EAST','ATHENS WEST') and 'THRIASSIO' as shown on the map below.

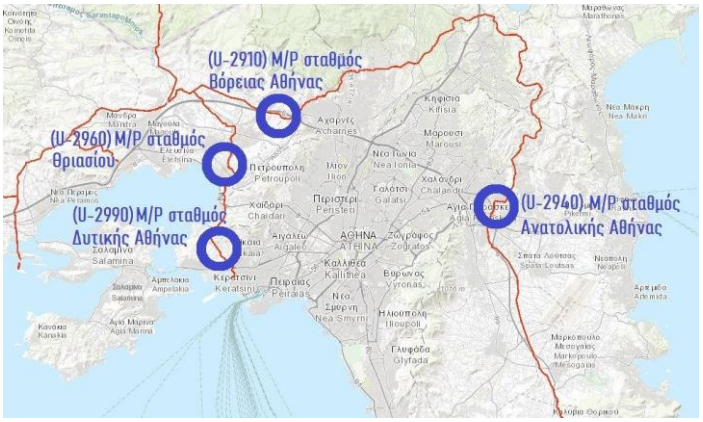


Figure 5 Overview of exit point to Athens

The first three (3) Metering/Regulating Stations were designed to be installed in two phases. The first phase, which has been implemented, includes the installation of two (2) metering/regulating lines (one in operation and one in standby mode), while the second phase provides for the installation of additional metering/regulating lines in such a way that one line will be in standby mode.

Since the maximum capacity of the first phase in the Metering/Regulating Stations 'ATHENS NORTH' and 'ATHENS EAST' has already been used in peak loads especially during winter seasons and considering the expected increase in Natural Gas consumption in the domestic sector, in the coming years, due to the new connections

that are planned to be made by the Distribution Network Operator, it is deemed necessary to upgrade the four Metering/Regulating Stations that serve the Exit Point to Distribution Network 'ATHENS', as follows:

1. Detailed engineering, procurement and construction of additional Metering/Regulating lines at the M/R stations 'ATHENS NORTH' and ATHENS EAST' to the existing stub outs, including all the attached electrical and electronic equipment, with the aim of securing the supply of Natural Gas in the greater Athens area. The station's existing capacity of 110.219 Nm^3/h will be upgraded to 269.862 Nm^3/h in order to ensure the supply to the Exit Point to Distribution Network 'Athens' in peak hourly loads in the next winter periods.
2. Installation of flow control valves at the four (4) Metering/Regulating Stations at the Exit Point to Distribution Network 'ATHENS' with the aim of optimizing the control of allocation of Natural Gas flow among them – especially in periods of high demand for Natural Gas – by the Control & Dispatching Center of DESFA.

The Project aims to improve the smooth operation of the NNGTS by servicing an Exit Point connected to the Distribution Network and at the same time servicing the expected increase in Natural Gas consumption in the domestic sector.

The project is designed to allow for a specific percentage of blends; the allowable blend of H2 and natural gas is under evaluation, according to the specifications of the existing infrastructures.

3. Construction of a new Metering & Regulating Station in Markopoulo Site to replace the existing temporary M/R

Project Summary	
Type of project	Planned Project
Type of investment	M/R Station
Current Budget	2.401.000 €
Expected benefit	Improvements to the efficiency and effectiveness of the NNGS
Start date	October 2021
Final Investment Decision	Taken
Operation Date	May 2028
Entry into the system	June 2028
Current Status of Project	Under construction

Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission Services
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision 666/2022 as applicable (TYDP 2022-2031)

The Exit Point "SPATA" is supplied by Metering / Regulating Station "MARKOPOULO", which is served by the temporary station TM2. Since the Metering / Regulating Station TM2 is a temporary and portable installation (compact), it does not support all the functions and redundancies provisioned for the Metering Regulating Stations of NNGTS. Therefore, it is deemed necessary to build a new fully operational Metering / Regulating Station based on the applicable specifications of the company. The new station can be installed on the SE side of the available plot considering the requirements of the legislation in force and any modifications required. The station's final capacity will be 28.800 Nm^3/h in a configuration of (2+1) - two metering/regulating streams in operation and one stand-by, with each stream's capacity of 14.400 Nm^3/h.

The Project aims to improve the smooth operation of the NNGTS in servicing an Exit Point connected to the Distribution Network.

The project is designed to allow for a specific percentage of blends; the allowable blend of H2 and natural gas is under evaluation, according to the specifications of the existing infrastructures.

4. Upgrade of Fire Fighting System & replacement of the pressure relief valves at BMS Sidirokastro

Project Summary	
Type of project	Planned Project
Type of investment	Equipment for NNGTS
Current Budget	879.500 €
Expected benefit	Improvements to the efficiency and effectiveness of the NNGS
Start date	October 2021
Final Investment Decision	Taken

Operation Date	June 2027
Entry into the system	June 2027
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission Services
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision 666/2022 as applicable (TYDP 2022-2031)

The project consists of the following:

1. Upgrade of the Fire Fighting system so as to operate remotely and to support the unmanned operation of the station (BMS Sidirokastro operates remotely since September 2019). It consists of the Upgrade of the Fire Fighting system (Fire Detection System, CO2 system, etc.) of the Diesel Tank room, the EDG room, the Fuel Gas room, the Gas Analyzer room, the Administration room and the Control room of BMS Sidirokastro.
2. The replacement of eight Pressure Relief Valves of the Filters, of the condensate vessel, of the Gas Heaters and of the Fuel Gas skids, including piping and new Vent lines, to be in compliance with relative legislation.

The project aims to improve the safety, security of gas supply at entry point Sidirokastro and the smooth operation of the NNGTS.

5. Nitrogen Injection System

Project Summary	
Type of project	Planned Project
Type of investment	Equipment for the NGTS
Current Budget	3.253.000 €
Expected benefit	Effective operation
Start date	October 2021
Final Investment Decision	Taken
Operation Date	August 2026
Entry in the system	October 2026
Current Status of Project	Under construction

Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission Services
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision 666/2022 as applicable (TYDP 2022-2031)

The Nitrogen Injection System is required in order to support the Booster Compression Station in Nea Mesimvria.

Due to the difference between the upper limit of the Wobbe Index between the gas transmitted in NNGTS and the one transmitted in the TAP pipeline, where the Wobbe index (i.e., calorific value) is significantly lower, a Nitrogen Injection System shall be installed to mix with the gas prior to its injection in the TAP pipeline and decrease the Wobbe index.

The Nitrogen injection System is composed of the following equipment:

- Liquid Nitrogen Storage Tanks with PBU (Three (3) tanks with 57,3m3 capacity each)
- Liquid Nitrogen HP Pumps
- Nitrogen Ambient Air vaporizers
- Nitrogen Trim Heaters
- Nitrogen Injection Mixing Tree

Based on the Booster Station Capacity, the maximum permissible flow N_2 in the gas injected to TAP pipeline is 4.190 kg/h.

6. Necessary modifications to Nea Mesimvria M/R Station for the interconnection of NNGTS with TAP, for Reverse Flow Operation

Project Summary	
Type of project	Planned Project
Type of investment	Equipment for the NNGTS
Current Budget	2.267.000 €
Expected benefit	Effective operation
Start date	July 2022
Final Investment Decision	Taken
Operation Date	December 2026
Entry in the system	December 2026

Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission Services
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision 666/2022 as applicable (TYDP 2022-2031)

The project concerns the modifications of Nea Mesimvria M/R station in order to supply the compressed natural gas quantities from the National Natural Gas System to the Trans Adriatic Pipeline system, with delivery pressure significantly higher than the NNGS operating pressure.

This investment enables the bi-directional flow in the interconnection point with the implementation of supplementary pipework connections and equipment changes at the existing area of Nea Mesimvria M/R station. The changes will accommodate the uninterrupted transportation and measurement of compressed Natural Gas quantities from the new Booster compressor station to the TAP pipeline.

7. Geohazards Management Upgrade Project

Project Summary	
Type of project	Planned Project
Type of investment	Project for management of NGTS
Current Budget	920.000 €
Expected benefit	Increased efficiency of the system
Start date	January 2023
Final Investment Decision	Taken
Operation Date	December 2027
Entry in the system	December 2027
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission services

Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision E68/2023 (TYDP 2023-2032)

This Project includes several actions for improving procedures and techniques concerning the identification and monitoring of geo-hazards in the onshore gas pipeline Right Of Way (ROW) with an emphasis on the incorporation of new technologies.

The actions to be implemented refer to the following:

- Geotechnical Monitoring instrumentation Upgrade: Upgrade of the geotechnical monitoring instrumentation for the sites already monitored for slope instabilities including supply and installation
- Web based monitoring software: A dedicated software is necessary to incorporate and visualize all monitoring data (automated or manually taken) in a single system, enhanced with capabilities for future extension without further need for programming
- Real time notification & Seismic Impact Assessment: Development of Real time earthquake notification & impact assessment
- Real time notification for forest fires: Implementation of a Real-Time Fire Monitoring service, i.e., a 24/7 active fire detection service for effectively monitoring forest fires close to DESFA transmissions system, all over Greece in near-real time
- Supply of 2 GNSS receivers-survey equipment
- Drones for ROW monitoring: Supply of 6 suitable flexible drones, which will enable visual inspection from a safe distance with the simultaneous recording of image and video
- Supply of 2 drones for survey works & supplementary equipment
- Pilot ROW Light Detection and Ranging (LidaR) scan
- Real time notification for rainfall: Implementation of real-time notification of rainfall events and, at the same time, assessment of their criticality.

8. Intelligent Pigging inspection project of NNGTS

Project Summary

Type of project	Planned Project
Type of investment	Equipment of NNGTS
Current Budget	1.013.000 €
Expected benefit	Increased efficiency of the system
Start date	May 2024
Final Investment Decision	Taken
Operation Date	December 2026
Entry in the system	December 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission Services
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision E53/2025 (TYDP 2024-2033)

DESFA intends to execute an In-line Inspection project for geometric measurement, pipeline mapping, metal loss or other anomaly detection during ILI tools passage through NNGTS pipelines. The main objective of in-line inspection (ILI) is to obtain data on pipeline condition as part of the integrity management process. The ILI tools should pass through the pipeline driven by the gas flow and may be automatic and self-contained or may be operated from outside the pipeline via a data and power link.

9. Upgrade of Valves - Installation of electric actuators

Project Summary	
Type of project	Planned Project
Type of investment	Equipment of NGTS
Current Budget	1.521.000 €
Expected benefit	Increased efficiency of the system
Start date	May 2024
Final Investment Decision	Taken
Operation Date	December 2027

Entry in the system	December 2027
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission Services
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision E53/2025 (TYDP 2024-2033)

DESFA is planning to upgrade existing block valves in all valve stations of the Natural Gas System accordingly: a) installing electric motors (electric actuators) to existing manual block valves, b) replacing of existing hydraulics - pneumatic systems (gas overoil actuator) block valves with electric driven ones, c) replacing of existing electric motors of block valves with new ones. All new valves shall be remotely controlled by SCADA.

As part of the installation procedure, Basic Engineering Design shall be performed in order to develop a complete Basic Design Package including description of the Scope of Work and all documents and drawings connected to the SoW for the potential EPC contractors.

Indicatively, the main components of installation in the stations include, but are not limited to, the following: a) Interconnection of new facilities and utilities with the existing, b) Control System and integration with existing or new installations, c) Equipment arrangement for the existing RCC building, d) SCADA system, FTS system & Fibre Optic Cable (where necessary), e) New UPS installation. The stations will be designed for unmanned operation.

B.6.3. ICT projects

1. Digital Transformation Program Phase (EDGE) III

Project Summary	
Type of project	Planned project
Type of investment	IT system
Current Budget	4.350.000 €
Expected benefit	Improvement on Business processes tools and services provided to users or 3rd parties
Start date	February 2023

Final Investment Decision	Taken
Operation Date	June 2026
Entry in the system	June 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission and LNG services
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision E68/2023 (TYDP 2023-2032)

The project consists of the following initiatives: **i)** The effective management and use of data on assets throughout its lifecycle **(Frontier II)**, ii) The support and promotion of integrated asset management systems through predictive maintenance and failure analysis programs **(Artificial Intelligence ii)** The creation of tamper-resistant transaction records, **(Frontier III**), iv) The consistent and uniform projection of reporting and analysis needs for decision-making in key areas, better access to information, elimination of any inefficiencies, real-time monitoring of KPIs (**Business Intelligence**), v) Increasing efficiency, transparency, security and resource savings for construction contracts and commercial processes (**Smart contracts**), vi) The automation, optimization and modernization of supply chain operations (**New Supply Chain System**), vii) The assurance of high quality data throughout their life cycle (**Data Governance**).

B.6.4. Other projects

1. Upgrade of LNG and O&M Facilities for energy saving

Project Summary

Type of project	Planned Project
Type of investment	Equipment for NNGTS & LNG Facility
Current Budget	360.000 €
Expected benefit	Increased efficiency of the system
Start date	December 2019
Final Investment Decision	Taken
Operation Date **Entry in the system**	O&M Transmission: completed LNG Terminal: February 2026 O&M Transmission: completed LNG Terminal: February 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission and LNG Services
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision 755/2020 (TYDP 2020-2029)

1. **Upgrade of LNG Facilities**
   This project includes interventions in heating/cooling systems and external lighting in order to achieve energy savings.

2. **Upgrade of O&M Facilities (completed)**
   The aim of the project is the energy upgrading of the Building and Electrical / Mechanical Facilities of the Operation and Maintenance Centers in order to achieve energy savings in accordance with the Energy Performance Regulation of buildings "KENAK" (Government Gazette B 2367/12.07.2017). This upgrade includes interventions at buildings' shells, heating/cooling systems, lighting, installation of photovoltaic etc.

2. Upgrade of physical access control systems

Project Summary	
Type of project	Planned Project
Type of investment	Equipment of the NNGTS and LNG facility
Current Budget	555.000 €

Expected benefit	Efficiency of NNGS, effective operation
Start date	January 2023
Final Investment Decision	Taken
Operation Date	September 2026
Entry in the system	September 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission and LNG services
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision E68/2023 (TYDP 2023-2032)

This project refers to the upgrade of the physical access control system of DESFA premises both in terms of software and hardware, in order to enhance physical security based on new requirements and new technology.

3. Renovation of DESFA's headquarters

Project Summary	
Type of project	Planned Project
Type of investment	Project for the control/management of the NNGS
Current Budget	9.200.000 €
Expected benefit	Increased efficiency
Start date	July 2024
Final Investment Decision	Taken
Operation Date	May 2026
Entry in the system	December 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission and LNG Services

Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision E-53/2025 (TYDP 2024-2033)

Following an assessment of the needs of the company and elaborating on the importance to proceed with the most efficient operation of the company, the renovation of DESFA's headquarters' building is necessary.

The scope of the project includes works related to architectural design and electromechanical equipment, as well as necessary actions to secure static stability of the building. The renovation will upgrade both the infrastructure and the working place in accordance with the market requirements of the international design and efficiency standards, allowing DESFA to cover current and future needs.

Based on DESFA needs the project scope will be expanded in order to include the upgrade of floor -1 and the creation of a new auditorium at the HQ that will provide DESFA with the ability to host all key internal events in-house. This initiative will enhance organizational efficiency, and offer a modern space tailored to the company's evolving needs.

B7. Projects relating to energy transition, decarbonization and innovation

1. Installation of Recompression System for Process & Dry Seal methane emissions in Compressor stations

Project Summary	
Type of project	Planned Project
Type of investment	Upgrade works for NNGTS
Current Budget	14.304.000 €
Expected benefit	Increased efficiency of the system and reduction of GHG emissions
Start date	February 2023
Final Investment Decision	refer to Table 1
Operation Date	
Entry in the system	
Current Status of Project	Under maturity or construction
Financing plan	DESFA's own equity and loan

Recovery method	Inclusion in RAB of Transmission services
Inclusion in the 3-year Development Period	Yes
First approval from RAE	Decision E68/2023 (TYDP 2023-2032)

Table 1: Timeline of projects

Compressor Station	Current Budget, €	FID	Operation Date	Entry into the system
N. Mesimvria	5.180.000	Taken	6/2026	7/2026
Booster at N. Mesimvria	4.562.000	6/2026	5/2027	6/2027
Ampelia	4.562.000	12/2025	11/2026	12/2026

The project refers to the installation of Process & Dry Seal Recompression System for methane emissions in the Compressor Stations in Nea Mesimvria, Booster Nea Mesimvria and Ampelia to reduce operational methane emissions. In particular, the Process & Dry Seal Recompression System is a combined solution to capture fugitive methane from the primary seal vent and the gas from the process vent between the suction and discharge valves of the compressor.

The size of the recompression system is based on the volume and the flow rate of process gas through the gas compressor and is not a function of the time to capture and recompress the process gas.

2. Pilot Pyrolysis project

Project Summary	
Type of project	Planned Project
Type of investment	Special Equipment
Current Budget	554.000 €
Expected benefit	Energy transition
Start date	February 2023
Final Investment Decision	Taken

Operation Date	December 2027
Entry in the system	December 2027
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission services
Inclusion in the 3-year Development Period	Yes
First approval from RAE	Decision E68/2023 (TYDP 2023-2032)

DESFA's continuous effort towards environmental improvement of provided goods and services includes the exploitation of novel technological concepts contributing to the development of a lower carbon economy. Hydrogen is expected to play a vital role in the new energy production scheme.

According to current Research & Development literature assessment, natural gas pyrolysis is a promising CO_2 free technological solution for natural gas utilization, which is expected to be economically competitive in the future, compared to the green electrolysis process. Natural Gas pyrolysis research is mainly focusing on process energy efficiency and economic competitive increase, as well as high quality mass hydrogen production and carbon black.

DESFA is focusing on the exploitation of such a technological concept investigating the case of building and operating a pilot pyrolysis fluidized bed (FBR) unit, using nearly atmospheric catalysts process (TRL4). Types of catalyst and deactivation and possible regeneration will be investigated, as well as hydrogen production efficiency and quality. Suitable operation conditions for maximum performance and proper reaction kinetics will be also investigated.

The proposed pilot unit's technical characteristics involve a design operation pressure of 1.5 bar, a range of operation temperature from 600 to 1200^{o}C, fuel input up to 3 m^3/h (25^{o}C, 1.5 bar) and a heat requirement approximately of 10 kW.

3. Technical Training Center H2 Injection Facility

Project Summary	
Type of project	Planned Project
Type of investment	M/R Station
Current Budget	768.000 €
Expected benefit	Energy transition
Start date	July 2024

Final Investment Decision	Taken
Operation Date	December 2027
Entry in the system	December 2027
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission Services
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision E53/2025 (TYDP 2024-2033)

The Project pertains to the design and development of a pilot scale H2 injection point to the DESFA Technical Training Center simulation facility comprising of an array of three M/R Stations (70/19 to 19/4 to 4/1) at Nea Mesimvria.
The design and construction will include the following:
1. Construction for the possibility of hydrogen injection into the input line of the NG network (before MR 70/19).
2. PLC installation that will regulate the pressure and amount of H2 injection.
3. Branch construction after the output of the MRs 4/1 low pressure station to the final device (burner).
The implementation of the project is related to the interest of the market for H2 – NG blending in high percentage for the whole NNGTS network.

4. Amyntaio-Komnina pipeline

Project Summary	
Type of project	Planned Project
Type of investment	Pipeline, M/R, CS
Current Budget	17.500.000 €
Expected benefit	Energy transition
Start date	July 2024
Final Investment Decision	December 2025[19]
Operation Date	25 months from DESFA's FID
Entry in the system	
Current Status of Project	Under maturity

[19] Subject to the FID of a H2 production unit in the area

Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission Services
Inclusion in the 3-year Development Period	Yes
First approval from RAAEY	Decision E53/2025 (TYDP 2024-2033)

DESFA has received increased interest for green H2 production in the area of West Macedonia. Already from 2027, Hellenic Hydrogen (HH) plans to develop the construction and operation of a hydrogen production unit, with an initial capacity of 50 MW (expandable to 200 MW) within the former Amyntaio - Filota Steam Power Station. Other H2 production and consumption points are foreseen in the wider area in the future.
The produced hydrogen will be injected downstream DESFA's main pipeline (Komnina area) so that it can be blended with natural gas at a rate of 20% (volumetric) in the dedicated branch toeards Kardia.
DESFA plans to construct a new compressor station in Amyntaio area, in order to increase - delivered - pressure of 30 barg to 50barg for the transportation and injection of H2 in DESFA's infrastructures, as well as a new H2 pipeline of approximately 9.00 km and 14'' diameter from Amyntaio to Komnina valve station. At the injection point, all necessary equipment will be installed in order to measure and homogenize the H2 / natural gas blend such as a Mixing/Metering/Regulating Station.

It should be mentioned that the FID for the construction of the project will not be taken before a corresponding final investment decision from an H2 producer in the area is also taken. The project will then be completed in 25 months.

B.8. Projects transferred from the published List of Small Projects[20](connection/development)

B.8.1 LNG projects

1. Upgrade of Docking System

Project Summary	
Type of project	Planned Project[21]
Type of investment	Equipment for the LNG
Current Budget	270.000 €

[20] NNGS Development Plan - ΔΕΣΦΑ Α.Ε.

[21] List of Small Projects ver.29/7.2025

Expected benefit	Increased efficiency of the system
Start date	July 2025
Final Investment Decision	Taken
Operation Date	May 2026
Entry in the system	May 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of LNG Services
Inclusion in the 3-year Development Period	Yes

At the LNG terminal, a Docking System is installed, which supports the approach of LNG vessels. The Docking System assists the ship's captain and pilot during vessel berthing and functions as a recording system in the event of an incident where data may be required. After ten years of operation, an upgrade is necessary for both the field and control hardware, as well as the system software. As part of the upgrade, the following will also be installed:

- Vessel Traffic Monitoring System

- Visual Monitoring System

- VHF Communication Recording & AI Transcription Module

- Upgraded Environmental Monitoring Units (wind, wave, current, and tide sensors).

The upgrade will be carried out by the original manufacturer of the currently installed system. The project includes the supply and installation of upgrade Docking system to ensure proper operation.

2. Replacement of seawater valves

Project Summary	
Type of project	Planned Project[22]
Type of investment	Equipment for the LNG
Current Budget	150.000 €
Expected benefit	Increased efficiency of the system
Start date	July 2025

[22] List of Small Projects ver.29/7.2025

Final Investment Decision	Taken
Operation Date	May 2026
Entry in the system	May 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of LNG Services
Inclusion in the 3-year Development Period	Yes

In order to increase the lifecycle of the regasification process with ORVs C&D, it is considered necessary to replace the existing sea water pumps with new ones. The project includes the supply and installation of these valves to ensure proper operation.

3. Replacement of Batteries of UPS & Charger of S/S 3600

Project Summary	
Type of project	Planned Project[23]
Type of investment	Equipment for the LNG
Current Budget	300.000 €
Expected benefit	Increased efficiency of the system
Start date	July 2025
Final Investment Decision	Taken
Operation Date	May 2026
Entry in the system	May 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of LNG Services
Inclusion in the 3-year Development Period	Yes

In the main electrical substation 3600, two central uninterruptible power supply (UPS) units and a central charger are installed. In the event of a power outage, the UPS systems and charger are supplied by 690 batteries. After 25 years of operation, the batteries have shown a capacity of less than 80% and need to be replaced. The replacement will be carried out with batteries of the same type and technical

[23] List of Small Projects ver.29/7.2025

specifications (Vented Nickel Cadmium), suitable for use in UPS systems at 220V, 380V, and chargers at 110V, with a lifespan of over 20 years. The project includes the supply and installation of these batteries to ensure proper operation.

4. Physical Security Transformation Revithoussa -phase 2

Project Summary	
Type of project	Planned Project[24]
Type of investment	Equipment for the LNG
Current Budget	2.740.000 €
Expected benefit	Increased efficiency of the system
Start date	July 2025
Final Investment Decision	Taken
Operation Date	October 2026
Entry in the system	October 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of LNG Services
Inclusion in the 3-year Development Period	Yes

This is the continuation of the project included in LSP ver.29 and completed (C-UAS solution). The 2nd phase will run from October 2025, until October 2026 with the following security assets to be procured and installed: intrusion detection sonars (equipped with underwater loudspeakers), IRS drones, EO/IR cameras and aerial nets.

B.8.2 Transmission projects

1. Metallic storage facility N.Mesimvria

Project Summary	
Type of project	Planned Project[25]
Type of investment	Equipment of NNGTS

[24] List of Small Projects ver.30/10.2025

[25] List of Small Projects ver.29/7.2025

Current Budget	160.000 €
Expected benefit	Increased efficiency of the system
Start date	July 2025
Final Investment Decision	Taken
Operation Date	December 2026
Entry in the system	December 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission Services
Inclusion in the 3-year Development Period	Yes

The project concerns the construction of a single-storey metal building, for industrial use, for the storage of emergency materials (valves, high-pressure pipeline sections, etc.), within the facilities of DESFA in N. Mesimvria, Thessaloniki. The 1st phase concerns the design and the issuance of all necessary Permits for construction and the 2nd phase will be the actual construction of the metal building. The goal is the erection of a metal building with a total area of 300.00 sq.m. (sides 20.00m x 15.00m), net height 6.00 – 6.50m, with single-pitched (single sloping side) metal roof. On the facade of the building (west), four (4) electric garage doors will be installed, 5.00m (height) x 4.00m (width). A single-leaf metal door will be installed on the south side. The foundation and construction of the metal building, as well as the work in the surrounding area, should be carried out in accordance with the final study.

2. Offshore pipeline Ag.Apostoloi-Karavos (Aliveri) - Free Span Rectification Works

Project Summary	
Type of project	Planned Project[26]
Type of investment	Equipment of NNGTS
Current Budget	350.000 €
Expected benefit	Increased efficiency of the system
Start date	July 2025

[26] List of Small Projects ver.29/7.2025

Final Investment Decision	Taken
Operation Date	June 2026
Entry in the system	June 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission Services
Inclusion in the 3-year Development Period	Yes

The project includes the inspection of the offshore pipeline, the determination of the current state of existing free spans and the implementation of all necessary measures to mitigate any excessive free spans. The measures shall include installation of underground concrete supports to stabilize the pipe.

3. Procurement and construction of Hot Tapping tie-ins and Installation of new pipeline for bending strain feature removal in Platamonas

Project Summary	
Type of project	Planned Project[27]
Type of investment	Equipment of NNGTS
Current Budget	2.140.000 €
Expected benefit	Increased efficiency of the system
Start date	July 2025
Final Investment Decision	Taken
Operation Date	March 2026
Entry in the system	March 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission Services

[27] List of Small Projects ver.29/7.2025

Inclusion in the 3-year Development Period	Yes

The project aims at repairing the pipeline to its original condition and remove the bending strain feature with its coinciding wrinkle that is reported in the area of Platamonas. This feature was reported through In Line Inspection analysis. DESFA shall repair the affected pipeline length (estimated 150m) via Hot Tapping Methodology. Hot Tapping is required because it is not feasible for DESFA to vent the quantity of gas inside the existing pipeline as well as to ensure uninterruptible supply of gas from North to South Greece. A bypass pipeline of 20" shall be in operation during installation of the new 30" pipeline. All related civil and mechanical works are included in project.

4. Re-calibration and Upgrade of four (4) KROHNE Ultrasonic Meters to BMS Sidirokastro

Project Summary	
Type of project	Planned Project[28]
Type of investment	Equipment of NNGTS
Current Budget	253.790 €
Expected benefit	Increased efficiency of the system
Start date	July 2025
Final Investment Decision	Taken
Operation Date	December 2026
Entry in the system	December 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission Services
Inclusion in the 3-year Development Period	Yes

[28] List of Small Projects ver.29/7.2025

The project refers to

-High-pressure calibrations of all ultrasonic metering Streams and issuance of the relevant calibration certificates from an ISO17025 accredited laboratory.

-Revalidation of EU-type examination certificate MI-002. Upgrade all four KROHNE Altosonic V12 Ultrasonic Meters with new electronic converters GEN2. Existing electronic converters GEN1 are obsolete and not supported.

The project includes disassembly, packing, transportation and re-installation of metering Streams.

5. Replacement of Boiler of 17 M/Rs (36 items for 4 O&M)

Project Summary	
Type of project	Planned Project[29]
Type of investment	Equipment of NNGTS
Current Budget	535.000 €
Expected benefit	Increased efficiency of the system
Start date	July 2025
Final Investment Decision	Taken
Operation Date	December 2026
Entry in the system	December 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission Services
Inclusion in the 3-year Development Period	Yes

The project concerns the replacement work for 36 boiler systems installed at 17 Metering and Regulating Stations. The project includes procurement and installation, including all interconnections, for the new boilers.

6. Supply of Ultrasonic gas meters

Project Summary

[29] List of Small Projects ver.29/7.2025

Type of project	Planned Project[30]
Type of investment	Equipment of NNGTS
Current Budget	456.750 €
Expected benefit	Increased efficiency of the system
Start date	July 2025
Final Investment Decision	Taken
Operation Date	April 2026
Entry in the system	April 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission Services
Inclusion in the 3-year Development Period	Yes

The project refers to the supply of new UT flowmeters of various sizes, suitable for Custody Transfer of natural gas. New meters will be installed in existing natural gas Metering / Regulating stations.

7. Upgrade of Emerson's DeltaV DCS/SIS System of BMS Sidirokasto

Project Summary	
Type of project	Planned Project[31]
Type of investment	Equipment of NNGTS
Current Budget	273.015 €
Expected benefit	Increased efficiency of the system
Start date	July 2025
Final Investment Decision	Taken
Operation Date	December 2027

[30] List of Small Projects ver.29/7.2025

[31] List of Small Projects ver.29/7.2025

Entry in the system	December 2027
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission Services
Inclusion in the 3-year Development Period	Yes

The project includes the upgrade of the existing EMERSON DCS system software to the last version DeltaV-15 as well as new Server and Operator stations with the latest software. In addition, spare parts for the whole DCS system are required and are included in this purchase requisition. The upgraded DCS system will also include backup and recovery equipment required in case of major failure.

8. Fleet & Facilities Upgrades and Equipment

Project Summary	
Type of project	Planned Project[32]
Type of investment	Project for the control/management of the NNGS
Current Budget	520.000 €
Expected benefit	Increased efficiency
Start date	July 2025
Final Investment Decision	Taken
Operation Date	February 2026
Entry in the system	February 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission Services
Inclusion in the 3-year Development Period	Yes

This project is centered on comprehensive fleet and facilities upgrades designed to modernize operational assets and infrastructure. A key focus is the procurement of

[32] List of Small Projects ver. 29/7.2025

new furniture and building equipment, to replace outdated resources and meet current safety, functionality, and efficiency standards. The project ensures that all procured items align with organizational needs, supporting both administrative and field operations. By investing in fleet upgrades, equipment procurement, and facility improvements, the project supports long-term operational sustainability.

9. Expansion of the Korinthos M/R City gate station

Project Summary	
Type of project	Planned Project [33]
Type of investment	M/R Station
Current Budget	1.250.000 €
Expected benefit	Supply of new areas, security of supply
Start date	July 2025
Final Investment Decision	Taken
Operation Date	December 2026
Entry in the system	December 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission Services
Inclusion in the 3-year Development Period	Yes

The objective of this project is to expand the Korinthos M/R City Gate Station to enhance its capacity and effectively meet the region's growing energy demands after formal request by the distribution company. Currently, the station operates with a capacity of 10,000 Nm^3/h in a (1+1) configuration, with provisions for future expansion to a total capacity of 20,000 Nm^3/h in a (2+1) configuration.

This project concerns the future expansion of the project with the addition of the third natural gas stream, increasing the capacity to 20.000 Nm3/h with final operational configuration of 2+1, consisting of two duty streams and one standby stream.

[33] List of Small Projects ver.29/7.2025

B.8.3 ICT projects

1. New ICT Equipment (Replacement of Equipment)

Project Summary	
Type of project	Planned project[34]
Type of investment	IT system
Current Budget	870.000 €
Expected benefit	Improvement on Business processes tools and services provided to users or 3rd parties
Start date	July 2025
Final Investment Decision	Taken
Operation Date	February 2026
Entry in the system	February 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission and LNG services
Inclusion in the 3-year Development Period	Yes

The scope of the project includes:

- The deployment of shared screens in public areas/ open spaces of DESFA headquarters and Revithousa and The replacement of old technology equipment for meeting rooms with new generation technology equipment
- Replacement of old laptops, mobile devices and tablets
- Upgrade and replacement of old ICT hardware infrastructure (switches, firewalls).

This initiative will significantly improve user experience, improve security posture, reduce downtime, and enhance productivity across departments. It also supports the company's sustainability goals by replacing energy-inefficient devices with modern, energy-saving alternatives.

[34] List of Small Projects ver.29/7.2025

2. New Applications & Enhancements (Continuous Systems Upgrades)

Project Summary	
Type of project	Planned project[35]
Type of investment	IT system
Current Budget	1.665.000 €
Expected benefit	Improvement on Business processes tools and services provided to users or 3rd parties
Start date	July 2025
Final Investment Decision	Taken
Operation Date	February 2026
Entry in the system	February 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission and LNG services
Inclusion in the 3-year Development Period	Yes

This project encompasses a comprehensive upgrade and expansion of DESFA's enterprise applications landscape to meet, enhance operational efficiency and leverage the company's digital transformation roadmap. The initiative focuses on upgrading existing systems, deploying new applications, and automating core business processes to ensure agility, transparency, and compliance.

The scope of the project includes the following key initiatives:

• Establishment of a standardized ITSM framework to enhance service delivery, incident tracking and change control, ensuring consistent and efficient IT operations.

• Technical upgrade of SAP S/4HANA (DESFA's ERP System) to modernize enterprise resource planning, enabling real-time data processing, improved reporting and streamlined business workflows.

[35] List of Small Projects ver.29/7.2025

• Implementation of advanced asset management solutions to support lifecycle tracking and regulatory reporting.

• Further enhancement of DESFA's HRMS system, including financial and HR processes automations, according to new GDPR standards.

• Upgrades and new development of applications of Sphera platform to strengthen environmental, health, and safety (HSSEQ) compliance, risk mitigation, and sustainability reporting.

• Introduction of a centralized document management system to improve document lifecycle control, access security, and regulatory compliance. This initiative includes the centralization of network maintenance information, technical documents, as well as incoming and outcoming correspondence.

3. Infrastructure Strengthening

Project Summary	
Type of project	Planned project[36]
Type of investment	IT system
Current Budget	960.000 €
Expected benefit	Improvement on Business processes tools and services provided to users or 3rd parties
Start date	July 2025
Final Investment Decision	Taken
Operation Date	February 2026
Entry in the system	February 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission and LNG services
Inclusion in the 3-year Development Period	Yes

This project focuses on the physical and digital hardening of DESFA's infrastructure. DESFA aims to proceed with major enhancements on infrastructure to support

[36] List of Small Projects ver.29/7.2025

digitalization initiatives, including the enhancement of security measures to protect against cyber threats, improving reliability and performance and ensuring the physical security of critical infrastructure as well as to mitigate potential threats and ensure uninterrupted operation of Natural Gas infrastructure.

In parallel, the project includes the implementation of a new network architecture and the upgrade of hardware and software to the latest standards of DESFA's headquarters, designed to improve connectivity, segmentation, and monitoring capabilities across DESFA's operational sites. A key component of the project is the deployment of SD-WAN (Software-Defined Wide Area Network) technology. The migration to the new secure Enterprise network based on SD-WAN will optimize network performance, increase flexibility and enhance security through centralized management, dynamic traffic routing and central monitoring, automation and orchestration of DESFA's network.

These upgrades will be supported by improvements to the overall IT network infrastructure, leveraging advanced technologies such as cloud computing, aiming to implement robust backup and disaster recovery solutions.

4. Industrial Automation and Control - OT Network Security and Monitoring System

Project Summary	
Type of project	Planned project[37]
Type of investment	IT system
Current Budget	885.000 €
Expected benefit	Improvement on Business processes tools and services provided to users or 3rd parties
Start date	July 2025
Final Investment Decision	Taken
Operation Date	February 2026
Entry in the system	February 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission and LNG services

[37] List of Small Projects ver.29/7.2025

Inclusion in the 3-year Development Period	Yes

The project includes the implementation of an Industrial Automation and Control Systems Network Security and Monitoring System, aiming to enhance the visibility of the industrial environment (Patima & Nea Mesimvria/Revithoussa) and integrate it with the enterprise infrastructure. This initiative seeks to create a secure and cohesive ecosystem, improving the company's OT security posture and resilience against potential threats. The target system will provide real time monitoring and management of all industrial assets, integration of advanced threat detection capabilities and continuous asset monitoring for new vulnerabilities ensuring continuous operational integrity in an interconnected industrial landscape.

5. OT/IT Security

Project Summary	
Type of project	Planned project[38]
Type of investment	IT system
Current Budget	200.000 €
Expected benefit	Improvement on Business processes tools and services provided to users or 3rd parties
Start date	July 2025
Final Investment Decision	Taken
Operation Date	February 2026
Entry in the system	February 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission and LNG services
Inclusion in the 3-year Development Period	Yes

This project focuses on enhancing the cybersecurity posture of DESFA's Operational Technology (OT) and Information Technology (IT) environments through the deployment of advanced threat detection, deception and monitoring solutions. As

[38] List of Small Projects ver.29/7.2025

cyber threats targeting critical infrastructure become increasingly sophisticated, this initiative aims to provide comprehensive visibility, early threat detection and proactive defense mechanisms across both industrial control systems and corporate IT/OT networks of DESFA. In parallel, a new AI-Cyber Security System will be implemented to provide enhancement of DESFA's native security by leveraging business-centric behavioral anomaly detection across inbound, outbound and lateral messages in both emails and network. To complement these detection capabilities through OT/ IT Security project, DESFA aims to introduce FortiDeceptor as a deception-based security layer for proactive cyber-response.

6. Implementation of new internal portal

Project Summary	
Type of project	Planned project[39]
Type of investment	IT system
Current Budget	440.000 €
Expected benefit	Improvement on Business processes tools and services provided to users or 3rd parties
Start date	July 2025
Final Investment Decision	Taken
Operation Date	February 2026
Entry in the system	February 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission and LNG services
Inclusion in the 3-year Development Period	Yes

This project is a multi-faceted initiative aimed at significantly improving the internal communication experience at DESFA through the modernization and the redesign of the internal portal. DESFA will implement a new internal portal, desfaTube, as part of its IT transformation strategy. This modern intranet platform is designed to enhance usability, accessibility, and personalization. It will support advanced search

[39] List of Small Projects ver.29/7.2025

capabilities, team and activity management and ensure high standards of data security and governance. The portal will serve as a central hub for internal communication, collaboration, and knowledge sharing. This initiative will transform the internal user experience at DESFA, fostering a more connected, informed, and efficient workforce, while supporting the company's broader digital transformation goals.

7. Mobile Device Management

Project Summary	
Type of project	Planned Project[40]
Type of investment	IT system
Current Budget	740.000 €
Expected benefit	Improvement on Business processes tools and services provided to users or 3rd parties
Start date	October 2025
Final Investment Decision	Taken
Operation Date	May 2026
Entry in the system	May 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission Services and/or LNG Services
Inclusion in the 3-year Development Period	Yes

The New Telecommunication Project introduces a comprehensive upgrade to mobile services. The mobile component includes the rollout of new high-end devices using Mobile Device Management (MDM) technologies and a new telecommunication plan, ensuring seamless and uninterrupted communication for all employees. This initiative will ensure secure communication and monitoring also Telephony Devices in terms of

[40] List of Small Projects ver.30/10/2025

Cyber Security and monitoring for malicious actions and provide access to Desfa's Infrastructure and systems using mobile devices (such as e-mail, approvals workflows)

This initiative will transform the internal user experience at DESFA, fostering a more connected, informed, and efficient workforce, while supporting the company's broader digital transformation goals.

8. Project's Risk Management Tool

Project Summary	
Type of project	Planned project[41]
Type of investment	IT system
Current Budget	530.000 €
Expected benefit	Improvement on Business processes tools and services provided to users or 3rd parties
Start date	October 2025
Final Investment Decision	Taken
Operation Date	July 2026
Entry in the system	July 2026
Current Status of Project	Under construction
Financing plan	DESFA's own equity and loan
Recovery method	Inclusion in RAB of Transmission and LNG services
Inclusion in the 3-year Development Period	Yes

The Project aims to enhance the project's risk management by developing and implementing a sophisticated Risk Management Tool. This tool will strengthen risk visibility, facilitate the proactive identification of potential issues, and enable effective mitigation strategies for informed and efficient decision-making. Additionally, it will be integrated with DESFA's EPPM system to allow comprehensive risk identification, assessment, ranking, and mitigation.

Key functionalities will include:

[41] List of Small Projects ver.30/10.2025

• A macro-risk rating framework to ensure structured risk tracking,

• Risk catalogues to facilitate consistent, standardised practices,

• Definitions of criticality levels and interactive monitoring dashboards to provide real-time risk oversight,

• Delay analysis (identifying causes and assessing impacts) and scenario planning (simulating different situations to predict outcomes) to support the evaluation of alternative scenarios and enhance proactive project governance.

The Project will also establish a risk management strategy and relevant supporting processes to embed risk-conscious practices across DESFA's projects.

B.8.4 Other projects

No projects are proposed.

CHAPTER III.

Projects outside the 3YR Development Period

Chapter III. Projects outside the 3YR Development Period

The capex of the projects presented here is not taken into consideration when calculating the Average Tariff for the use of the NNGS.

A. New Projects

A1. Projects for the interconnection of NNGS with other interconnected systems (connection/development projects)

There are no projects in this section.

A2. Projects for the connection of Users

There are no projects in this section.

A3. Development Projects

There are no projects in this section.

B. Planned Projects

B1. Projects for the interconnection of NNGS with other interconnected systems (connection/development projects)

1. Metering and Regulating Station for the connection to East Med Pipeline

Project Summary	
Type of project	New Project
Type of investment	Metering & Regulating Station
Current Budget	-
Expected benefit	Interconnection to a n.g. system
Start date	-
Final Investment Decision	-
Operation Date	-
Entry in the system	-

Current Status of Project	-
Financing plan	DESFA's own equity or loan
Recovery method	-
Inclusion in the 3-year Development Period	No
First approval from RAAEY	Decision 666/2022 as valid (TYDP 2022-2031)

The project consists of the implementation of one Metering & Regulating station at Megalopoli, in the Peloponnese, for the potential interconnection of the NNGTS with the East-Med pipeline. The realization of the project strongly depends on the advancement and the FID of the East Med Pipeline.

B2. Projects for the connection of Users

1. Construction of High Pressure Pipeline Mavromati (Vagia)-Larymna and necessary Metering Station for the Connection of LARCO GMM SA with NNGS

Project Summary	
Type of project	Planned Project
Type of investment	Pipeline, Metering Station
Current Budget	-
Expected benefit	Enabling access to new Users
Start date	-
Final Investment Decision	-
Operation Date	-
Entry in the system	-
Current Status of Project	-
Financing plan	-
Recovery method	-
Connection Agreement with User	Not yet
Inclusion in the 3-year Development Period	No
First approval from RAAEY	Decision 525/2013 (TYDP 2013-2022)

The project consists of:

- A Pipeline of 36 km and 10'' diameter which will start from the main natural gas line valve station "Mavromati (Vagia)" and ends up in the facility of LARCO in Larymna.
- A Metering station that will be installed in land provided by LARCO

Technical studies as well as licenses procedures for the project are in progress. These studies are carried out under DESFA's contract with LARCO for the "Elaboration of studies for the connection of the installations of LARCO SA with NNGS".

The project is not included in the projects of the three-year period as there is no progress regarding User's commitment from its starting date until now.

B3. Development Projects

There are no projects in this section.

CHAPTER IV.

Planned projects that are completed or excluded from the TYDP

Chapter IV. Planned projects that are completed or excluded from the TYDP

A. Planned projects under completion

The following planned projects are scheduled for completion by the end of 2025.

Project	Budget
Temporary supply of Naousa through ssLNG Installations	2.254.000 €
LNG Terminal Boil-off Gas Compressor Station	16.790.000 €
Replacement - Upgrade of M-4500 compressed air system	1.000.000
Required electromechanical equipment and tools	2.548.000 €
Operations technology upgrades	160.000 €
Electronic Information System (EIS)- functionalities upgrade	507.000 €
New electronic information system for natural gas (EDGE II)	4.400.000 €
New project management system (EDGE II)	1.800.000 €
Included in the published List of Small Projects[42]	
Waterproofing and corrosion protection of tanks A+B	507.500 €
Reconstruction of asphalt road at Kipoi for DESFA/TAP facilities- Phase 1	96.300 €
Capacity Increase of the ssLNG Station in Aspros	1.600.000 €
Total budget	**31.662.800 €**

B. Planned projects that are excluded from the Development Plan

1. **Metering and Regulating Station for connecting with Dioriga Gas FSRU**

[42] NNGS Development Plan - ΔΕΣΦΑ Α.Ε.

The implementation of this Connection Project was conditional upon the timely fulfillment of specific contractual obligations of the Dioriga Gas FSRU project promoter. Since those were not met timely, the relevant agreement has expired according to the applicable regulatory provisions and subsequently the Connection Project is excluded from the Ten-Year Development Plan.

2. **Duplication of the HP branch Patima – Livadeia**

This project was linked to the Connection Project under para. 1 above and its implementation was subject to Dioriga Gas FSRU final investment decision. The exclusion of the connection project from the TYDP for the reasons above, triggers the exclusion of this project.

3. **Upgrading Projects of NNGS -3rd group-** reassessment of the necessity of the investment.

4. **Metal Roof at BMS Sidirokastro-** reassessment of the necessity of the Investment.

5. **Argos/Nafplio M/R city gate station-** the project will not move forward as the distribution system operator declared the unnecessity of the M/R station.

6. **Metering and Regulating Station for connecting South Kavala underground storage:** the project (outside the 3 YR Development Plan) meant to connect the Underground Storage facility in South Kavala with the NNGTS. Since there is no progress on the implementation of the UGS it is removed from the TYDP.

Annex I

Summary Table of the Projects of the NNGS Development Plan 2025-2034

PROJECTS WITHIN THE 3YR DEVELOPMENT PERIOD [43]			
	INVESTMENT	**COST (€)**	**TIMELINE**
A. NEW PROJECTS			
A1. Projects for the interconnection of NNGS with other interconnected systems (connection/development projects)			
A2. Projects for the connection of Users			
1	Connection of Ptolemaida V and Agios Dimitrios with NNGTS	69.000.000 €	FID: 1/2027 Project duration: Phase A: 20 months from Connection Agreement/ DESFA's FID Phase B: 24 months from Connection Agreement/DESFA's FID
A3. Development Projects: Expansion of NNGS to new areas connected to distribution network			
1	Supply of Epirus and Agrinio via ssLNG supply chain	130.000.000	FID: 07/2028 Operation Date: 10/2030 Entry in the system: 12/2030
A4. Development Projects: Expansion of NNGS to new markets			
1	2nd loading bay station in TLS facility Revithoussa	3.660.000 €	FID: 01/2026 Operation Date: 05/2027 Entry in the system: 07/2027
A5. Development Projects: Increase of capacity & security of supply of NNGS			

[43] Projects which the Final Investment Decision (i) has been taken, (ii) is considered possible to be taken within three (3) years from the publication of the draft Development Plan in DESFA's website

A6. Development Projects: Improvement / modernization/ maintenance of NNGS			
A.6.1. LNG projects			
A.6.2 Transmission projects			
1	Replacement/Upgrade of Metering & Control Systems at NNGS stations – 3rd phase	5.350.000 €	FID: 01/2026 Operation Date: 12/2029 Entry in the system:12/2029
A.6.3. ICT projects			
1	Design and Implement new Revithousa's Infrastructure Network and Data Center Facilities	2.580.000	FID: 1/2026 Operation Date: 12/2028 Entry in the system:12/2028
A.6.4. Other projects			
A7. Projects relating to energy transition, decarbonization and innovation			
B.	**PLANNED PROJECTS**		
B1. Projects for the interconnection of NNGS with other interconnected systems (connection/development projects)			
1	Pipeline Nea Mesimvria – Evzoni/ Gevgelija and M Station	92.036.000	Final Investment Decision: Taken Operation date: 09/2026 Entry in the system: 10/2026
B2. Projects for the connection of Users			
1	Connection of ELVAL plant of NNGTS in Inofyta	-	-
2	Connection with THERMOILEKTRIKI KOMOTINIS Power Plant to the NNTGS	6.940.000	Final Investment Decision: Taken Operation date: 03/2026 Entry in the system: 05/2026
3	Connection with ELPEDISON Power Plant to the NNTGS	-	-
4	Connection of "Alexandroupolis SA" power station with NNGS and Metering Station	12.806.800	Final Investment Decision: 05/2026 Operation date: 09/2027

			Entry in the system: 09/2027
5	Connection of " Larisa Thermoelectriki " power station with NNGS and Metering Station	7.931.500	Final Investment Decision: 02/2026 Operation date: 01/2028 Entry in the system: 02/2028
B3.	**Development Projects: Expansion of NNGS to new areas connected to distribution network**		
B.3.1. Supply of West Macedonia			
1	Kardia Metering Station and connection to HPP WM (remaining scope of project High-Pressure pipeline to West Macedonia project)	4.662.000	Final Investment Decision: Taken Operation date M station Kardia-Kozani:05/2026 Entry into the system M station Kardia-Kozani: 08/2026
2	M/R Station at the prefecture of Aspros	5.034.000	Final Investment Decision: Taken Operation date: 10/2026 Entry in the system: 11/2026
3	M/R Station in the region of Perdikas Eordeas	5.043.000	Final Investment Decision: Taken Operation date: 11/2025 Entry in the system: 01/2026
B.3.2. Supply of Western Greece & Peloponnese			
1	High Pressure Pipeline to Patras	117.000.000	Final Investment Decision: 12/2025 Operation date: 12/2027 Entry in the system:03/2028
B.3.3. Supply of Central Macedonia			
1	Drymos/Liti M/R city gate station	4.000.000	Final Investment Decision: Taken Operation date: 06/2027 Entry in the system: 09/2027
2	M/R Station to Veroia	3.666.000	Final Investment Decision: Taken

			Operation date: 08/2026 Entry in the system: 09/2026
3	M/R Station to Naousa	3.666.000	Final Investment Decision: Taken Operation date: 09/2026 Entry in the system: 10/2026
B4. Development Projects: Expansion of NNGS to new markets			
1	Ports' Extension/Upgrade for the LNG Trucks transfer to and from Revithoussa Terminal Station	1.720.000	Final Investment Decision: Taken Operation date/Entry in the system:11/2026
2	New jetty for small scale LNG in Revithoussa	44.207.000	Final Investment Decision: Taken Operation date: 03/2027 Entry in the system: 03/2027
B5. Development Projects: Increase of capacity & security of supply of NNGS			
1	Booster Compressor for TAP in Nea Mesimvria	49.468.000	Final Investment Decision: Taken Operation date: 11/2026 Entry in the system: 12/2026
2	Duplication of Karperi - Komotini HP branch	321.563.000	Final Investment Decision: 12/2025 Operation date: 12/2027 Entry in the system: 03/2028
B6. Development Projects: Improvement / modernization/ maintenance of NNGS			
B.6.1 LNG projects			
1	Upgrade of Control Room, Guardhouse and Fire Brigade Building of the LNG Terminal in Revithoussa – Phase 1	100.000	Final Investment Decision: Taken Operation date/ Entry in the system: 03/2026

2	Replacement - Upgrade of the Central Control System (DCS - FGS – ESD) of Revithoussa Terminal	3.037.000	Final Investment Decision: Taken Operation date/ Entry in the system: 12/2026
3	New quay for passenger boat at Agia Triada & Revithoussa	2.211.400	Final Investment Decision:10/2026 Operation date: 06/2028 Entry in the system: 08/2028
4	Overhaul of LNG pumps	5.100.000	Final Investment Decision: Taken Operation date: Part A: 12/ 2024 (completed) Part B: 12/ 2025 Part C: 12/ 2026 Overhaul BOG: 12/ 2026 Entry in the system: Part A: 12/ 2024 (completed) Part B: 12/ 2025 Part C: 12/ 2026 Overhaul BOG: 12/ 2026
5	LNG Maintenance Projects 2024-2026	1.200.000	Final Investment Decision: Taken Operation date/ Entry in the system: 12/2026
6	Replacement & Upgrade of Unloading Arm C	3.011.000	Final Investment Decision: Taken Operation date/ Entry in the system: 12/2026
B.6.2 Transmission projects			

1	Cathodic Protection System Upgrading	2.041.546	Final Investment Decision: Taken Operation date/ Entry in the system: 09/2026
2	Expansion and Upgrade of M/R Stations of Exit Point to Distribution Network 'Athens'	3.307.000	Final Investment Decision: Taken Operation date: 08/2026 Entry in the system: 09/2026
3	Construction of a new Metering & Regulating Station in Markopoulo Site to replace the existing temporary M/R	2.401.000	Final Investment Decision: Taken Operation date: 05/2028 Entry in the system: 06/2028
4	Upgrade of Fire Fighting System & replacement of the pressure relief valves at BMS Sidirokastro	879.500	Final Investment Decision: Taken Operation date:06/2027 Entry in the system: 06/2027
5	Nitrogen injection system	3.253.000	Final Investment Decision: Taken Operation date: 08/2026 Entry in the system: 10/2026
6	Necessary modifications to Nea Mesimvria M/R Station for the interconnection of NNGTS with TAP, for Reverse Flow Operation	2.267.000	Final Investment Decision: Taken Operation date: 12/2026 Entry in the system: 12/2026
7	Geohazards Management Upgrade Project	920.000	Final Investment Decision: Taken Operation date: 12/2027 Entry in the system: 12/2027

8	Intelligent Pigging inspection project of NNGTS	1.013.000	Final Investment Decision: Taken Operation date/ Entry in the system: 12/2026
9	Upgrade of Valves - Installation of electric actuators	1.521.000	Final Investment Decision: Taken Operation date/ Entry in the system: 12/2027
B.6.3. ICT projects			
1	Digital Transformation Program Phase (EDGE) III	4.350.000	Final Investment Decision: Taken Operation date/ Entry in the system: 06/2026
B.6.4. Other			
1	Upgrade of LNG and O&M Facilities for energy saving	360.000	FID: Taken Operation date/Entry in the system Transmission: Completed Operation date/Entry in the system LNG: 2/2026
2	Upgrade of physical access control systems	555.000	Final Investment Decision: Taken Operation date/ Entry in the system: 09/2026
3	Renovation of DESFA's headquarters	9.200.000	FID: Taken Operation Date: 05/2026 Entry in the system: 12/2026
B7. Projects relating to Energy transition, decarbonization and innovation			
1	Installation of Process & Dry Seal Recompression System in Compressor Stations	14.304.000	Final Investment Decision: 12/2025-06/2026 Operation date: 06/2026-5/2027

			Entry in the system: 7/2026-6/2027
2	Pilot Pyrolysis project	554.000	Final Investment Decision: Taken Operation date/ Entry in the system: 12/2027
3	Technical Training Center H2 Injection Facility	768.000	FID: Taken Operation Date/Entry in the system: 12/2027
4	Amyntaio-Komnina pipeline	17.500.000	FID: 12/2025 Operation Date/Entry in the system: 25 months from DESFA's FID
B.8. Projects transferred from the published List of Small projects(connection/development)			
B.8.1 LNG			
1	Upgrade of Docking System	270.000	FID: Taken Operation Date/Entry in the system: 05/2026
2	Replacement of seawater valves	150.000	FID: Taken Operation Date/Entry in the system: 05/2026
3	Replacement of Batteries of UPS & Charger of S/S 3600	300.000	FID: Taken Operation Date/Entry in the system: 05/2026
4	Physical Security Transformation Revithousa -phase 2	2.740.000	FID: Taken Operation Date/Entry in the system: 10/2026
B.8.2 Transmission			
1	Metallic storage facility N.Mesimvria	160.000	FID: Taken

			Operation Date/Entry in the system: 12/2026
2	Offshore pipeline Ag.Apostoloi-Karavos (Aliveri) - Free Span Rectification Works	350.000	FID: Taken Operation Date/Entry in the system: 06/2026
3	Procurement and construction of Hot Tapping tie-ins and Installation of new pipeline for bending strain feature removal in Platamonas	2.140.000	FID: Taken Operation Date/Entry in the system: 03/2026
4	Re-calibration and Upgrade of four (4) KROHNE Ultrasonic Meters to BMS Sidirokastro	253.790	FID: Taken Operation Date/Entry in the system: 12/2026
5	Replacement of Boiler of 17 M/Rs (36 items for 4 O&M)	535.000	FID: Taken Operation Date/Entry in the system: 12/2026
6	Supply of Ultrasonic gas meters	456.750	FID: Taken Operation Date/Entry in the system: 04/2026
7	Upgrade of Emerson's DeltaV DCS/SIS System of BMS Sidirokasto	273.015	FID: Taken Operation Date/Entry in the system: 12/2027
8	Fleet & Facilities Upgrades and Equipment	520.000	FID: Taken Operation Date/Entry in the system: 02/2026
10	Expansion of the Korinthos M/R City gate station	1.250.000	FID: Taken Operation Date/Entry in the system: 12/2026

B.8.3. ICT			
1	New ICT Equipment (Replacement of Equipment)	870.000	FID: Taken Operation Date/Entry in the system: 02/2026
2	New Applications & Enhancements (Continuous Systems Upgrades)	1.665.000	FID: Taken Operation Date/Entry in the system: 02/2026
3	Infrastructure Strengthening	960.000	FID: Taken Operation Date/Entry in the system: 02/2026
4	Industrial Automation and Control - OT Network Security and Monitoring System	885.000	FID: Taken Operation Date/Entry in the system: 02/2026
5	OT/IT Security	200.000	FID: Taken Operation Date/Entry in the system: 02/2026
6	Implementation of new internal portal	440.000	FID: Taken Operation Date/Entry in the system: 02/2026
7	Mobile Device Management	740.000	FID: Taken Operation Date/Entry in the system: 05/2026
8	Project's Risk Management Tool	530.000	FID: Taken Operation Date/Entry in the system: 07/2026
SUBTOTAL A (3YR DEVELOPMENT PLAN)		**985.875.301 €**	

SUBTOTAL B (PROJECTS UNDER COMPLETION -CHAPTER IV, PAR. A)		**31.662.800 €**	
PROJECTS BEYOND THE 3YR DEVELOPMENT PERIOD			
	INVESTMENT	**COST (€)**	**TIMELINE**
A. NEW PROJECTS			
B. PLANNED PROJECTS			
B1. Projects for the interconnection of NNGS with other interconnected systems (connection/development projects)			
1	Metering and Regulating Station for the connection to East Med Pipeline	-	**-**
B2. Projects for the connection of Users			
1	Construction of high pressure pipeline Mavromati (Vagia) - Larymna and the necessary Metering Station for the connection of LARCO GMM SA with NNGS	-	**-**
SUBTOTAL C (OUTSIDE 3YR DEVELOPMENT PLAN)		**-**	
Total TYDP 2025-2034 (A+B+C)		**1.017.538.101 €**	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