



LIST OF SMALL PROJECTS

VERSION: 29

PUBLICATION: 07/2025

As per Article 95 of Network code DESFA publishes the List of Small Projects. This update is done following the inclusion of new projects (Table A) (according to the provisions of art. 94 par. 5 of Network Code). For the Small Projects included in the approved Development Plan 2024-2033, which are included in the List of Small Projects according to the provisions of article 95 par. 1 (A) of the Network Code, reference is made to the relevant RAAEY Decision E-53/19.03.2025 and namely to the projects of Chapter II & III:

1. A7.1

3. B2.1, B2.4

4. B3.1.3

5. B3.2.3

6. B3.3.1-B3.3.4

7. B4.1

8. B6.3- B.6.6, B6.8- B.6.16, B6.19-B6.38

9. B.7. 2

LNG projects				
	Project	Description	Cost	Timeline
1	Waterproofing and corrosion protection of tanks A+B	The project concerns the waterproofing and corrosion protection of Tanks A and B at Revithousa LNG Terminal.	507.500€	FID:7/2025 Operation date/entry in the system: 12/2025 Project duration ¹ : 5 months
2	Upgrade of Docking System	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	253.750€	FID:7/2025 Operation date/entry in the

¹ Months from FID till Operation date

		<p>also 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.</p> <p>As part of the upgrade, the following will also be installed:</p> <ul style="list-style-type: none"> - Vessel Traffic Monitoring System - Visual Monitoring System - VHF Communication Recording & AI Transcription Module - Upgraded Environmental Monitoring Units (wind, wave, current, and tide sensors) <p>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.</p>		<p>system:5/2026</p> <p>Project duration: 10 months</p>
3	Replacement of sea water valves	<p>In 2024, significant issues were observed in the operation of the seawater valves related to the seawater network of ORV C & D. Corrosion was found on the valve bodies, and the mechanical components were non-functional. For this reason, they will be replaced with a new type of valve. The project includes the supply and installation of these valves to ensure proper</p>	253.750€	<p>FID:7/2025</p> <p>Operation date/entry in the system:5/2026</p> <p>Project duration:</p>

		operation.		10 months
4	Physical Security Transformation Revithoussa -phase 1	<p>DESFA conducted a physical security assessment on Revithoussa LNG Terminal. The assessment highlighted the need to increase the security level of Revithoussa LNG terminal with the following technology</p> <p>C-UAS containment solution: the anti-drone solution has been identified as the top priority for physical security needs. Following the assessment, DESFA performed a market consultation to identify the most suitable provider and technology. Intelligra Ltd emerged as the preferred provider of the C-UAS containment solution, utilizing Sentrycs technology based on an RF sensor and a hijacker for detecting, characterizing, tracking, pilot locating and mitigating unauthorized UAS access to the LNG Terminal premises. The system is able to protect the whole Aghia Triada MR and LNG terminal on Revithoussa Island from unauthorized UAS access.</p>	2.358.000 €	<p>FID: 7/2025</p> <p>Operation Date/entry in the system: 7/2025</p> <p>Project duration: 1 month</p>
5	Replacement of Batteries of UPS & Charger of S/S 3600	In the main electrical substation 3600, two central 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	558.250€	<p>FID:7/2025</p> <p>Operation date/entry in the system: 5/2026</p>

		and technical specifications (Vented Nickel Cadmium), suitable for use in uninterruptible power supply (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.		Project duration: 10 months
Transmission projects				
1	Metallic storage facility N.Messimvria	<p>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.</p> <p>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.</p> <p>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.</p> <p>On the facade of the building (west), four (4) electric garage doors will be installed, 5.00m (height) x 4.00m (width).</p> <p>A single-leaf metal door will be installed on the south side.</p> <p>The foundation and construction of the metal building, as well as the work in the surrounding area, should be carried out in</p>	203.000€	<p>FID: 7/2025</p> <p>Operation Date/entry in the system: 12/2026</p> <p>Project duration: 17months</p>

		accordance with the final study.		
2	Offshore pipeline Ag.Apostoloi-Karavos (Aliveri) - Free Span Rectification Works	<p>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.</p> <p>The measures shall include installation of underground concrete supports to stabilize the pipe.</p>	428.000€	<p>FID: 7/2025</p> <p>Operation Date/entry in the system: 06/2026</p> <p>Project duration: 11 months</p>
3	Procurement and construction of Hot Tapping tie-ins and Installation of new pipeline for bending strain feature removal in Platamonas	<p>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.</p> <p>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 uninterrupted supply of gas from North to South Greece. A bypass pipeline of 20" shall be in operation during installation of the new pipeline of 30". All related civil and mechanical work are included in project</p>	2.140.000€	<p>FID:7/2025</p> <p>Operation date/entry in the system: 3/2026</p> <p>Project duration: 8 months</p>

4	Re-calibration and Upgrade of four (4) KROHNE Ultrasonic Meters to BMS Sidirokastro	<p>The project refers to</p> <ul style="list-style-type: none"> -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. <p>Upgrade all four KROHNE Ultrasonic V12 Ultrasonic Meters with new electronic converters GEN2. Existing electronic converters GEN1 are obsolete and not supported.</p> <p>The project includes disassembly, packing, transportation and re-installation of metering Streams.</p>	253.790€	<p>FID:7/2025</p> <p>Operation date/entry in the system: 12/2025</p> <p>Project duration: 5 months</p>
5	Reconstruction of asphalt road at Kipoi for DESFA-TAP facilities-Phase 1	<p>The project concerns the reconstruction of the asphalt road at Kipoi towards DESFA Station U-3900 and TAP GCS00. This 1st step describes the necessary studies including topographic survey, environmental terms, road design, geotechnical study and road signage. Following the implementation of the engineering studies, a second phase for the implementation of the project will follow.</p>	96.300€	<p>FID:7/2025</p> <p>Operation date/entry in the system: 12/2025</p> <p>Project duration: 5 months</p>
6	Replacement of Boiler of 17 MRS (36	<p>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</p>	535.000€	<p>FID:7/2025</p> <p>Operation date/</p>

	items for 4 O&M)	interconnections, for the new boilers.		entry in the system: 12/2026 Project duration: 17 months
7	Supply of Ultrasonic gas meters	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.	456.750€	FID:7/2025 Operation date/ entry in the system:4/2026 Project duration: 9 months
8	Upgrade of Emerson's DeltaV DCS/SIS System of BMS Sidirokasto	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. EMERSON requires the inclusion of product support for three years minimum as part of such DCS system upgrade. The product support service includes system software maintenance updates. In addition, spare parts for the whole DCS system are required	273.015€	FID:7/2025 Operation date/ entry in the system: 12/2025 Project duration: 5 months

		<p>and are included in this purchase requisition. The upgraded DCS system will also include backup and recovery equipment required in case of major failure.</p> <p>The purchase requisition includes the provision of preventive maintenance service by EMERSON for three years as the system is quite complex and the activity of such preventive maintenance will be witnessed by DESFA DCS engineers who will take over the activity at a later stage.</p>		
9	Capacity Increase of the ssLNG Station in Aspros	<p>The objective of this project is to expand the capacity of the ssLNG Station in Aspros to meet the region's increasing natural gas demand, after formal request by the distribution company.</p> <p>Currently, the station has a total flow capacity of 2,000 Nm³/h. Through this upgrade, the capacity will be doubled to 4,000 Nm³/h.</p> <p>This expansion will enhance the efficiency and reliability of the ssLNG station, ensuring a stable and increased supply of natural gas for the region.</p>	1.600.000 €	<p>FID: 8/2025</p> <p>Operation/Entry in the system/ entry in the system: 12/2025</p> <p>Project Duration: 5 months</p>
10	Expansion of the Korinthos M/R City	<p>The objective of this project is to expand the Korinthos M/R City Gate Station to enhance its capacity and effectively meet the</p>	1.250.000€	<p>FID: 9/2025</p> <p>Operation/Entry in</p>

	Gate Station	<p>region's growing energy demands after formal request by the distribution company.</p> <p>Currently, the station operates with a capacity of 10,000 Nm³/h in a (1+1) configuration, with provisions for future expansion to a total capacity of 20,000 Nm³/h in a (2+1) configuration.</p> <p>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.</p>		<p>the system: 12/2026</p> <p>Project Duration: 15 months</p>
11	Fleet & Facilities Upgrades and Equipment	<p>This project is centered on comprehensive fleet and facilities upgrades designed to modernize operational assets and infrastructure. A key focus is the procurement of 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 while enhancing comfort and productivity for employees.</p> <p>By investing in fleet upgrades, equipment procurement, and facility improvements, the project supports long-term operational sustainability. Modernized assets reduce maintenance demands, extend service life, and ensure compliance with regulatory requirements. Ultimately, the project's comprehensive approach enhances organizational</p>	520.000 €	<p>FID: 8/2025</p> <p>Operation/Entry in the system: 02/2026</p> <p>Duration: 7 months</p>

		capacity, improves workplace conditions, and contributes to the delivery of higher-quality services to the community or stakeholders.		
ICT projects				
1	New ICT Equipment (Replacement of Equipment)	<p>In alignment with the company's digital transformation strategy, the supply of new ICT equipment represents a continuous investment for DESFA. This initiative aims to enhance the user support experience by providing advanced tools and replacing outdated hardware with modern, high-performance devices. These include tablets, monitors, and other essential peripherals that support both on-site and remote work, foster digital collaboration, and enable data-driven operations.</p> <p>The scope of the project includes:</p> <ul style="list-style-type: none"> • The deployment of shared screens in public areas/ open spaces of DESFA headquarters and Revithousa • 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) 	870.000 €	<p>FID: 8/2025</p> <p>Operation/Entry in the system: 02/2026</p> <p>Duration: 7 months</p>

		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.		
2	New Applications & Enhancements (Continuous Systems Upgrades)	<p>This project encompasses a comprehensive upgrade and expansion of DESFA's enterprise applications landscape to meet evolving legal requirements, enhance operational efficiency and leverage the company's digital transformation roadmap.</p> <p>The initiative focuses on upgrading existing systems, deploying new applications, and automating core business processes to ensure agility, transparency, and compliance.</p> <p>The scope of the project includes the following key initiatives:</p> <ul style="list-style-type: none"> • 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. • Implementation of advanced asset management 	1.665.000€	<p>FID: 8/2025</p> <p>Operation/Entry in the system: 02/2026</p> <p>Duration: 7 months</p>

		<p>solutions to support lifecycle tracking and regulatory reporting.</p> <ul style="list-style-type: none"> • 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 outgoing correspondence. 		
3	Infrastructure Hardening	<p>This project focuses on the physical and digital hardening of DESFA's infrastructure. DESFA aims to proceed with major enhancements on 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 critical infrastructure and to mitigate potential threats and ensure uninterrupted operation Natural Gas Infrastructure.</p> <p>In parallel, the project includes the implementation of a new network architecture and the upgrade of hardware and</p>	960.000€	<p>FID: 8/2025</p> <p>Operation/entry in the system: 2/2026</p> <p>Duration:8 months</p>

		<p>software to the latest standards of DESFA's headquarters, designed to improve connectivity, segmentation, and monitoring capabilities across DESFA's operational sites.</p> <p>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. This initiative aims to deliver dynamic path selection, tunnel bonding, and application-aware steering, ensuring optimal performance for each application and smoothing out connection disruptions. These capabilities contribute directly to improved business continuity, redundancy and communication reliability across DESFA's operational footprint, as well as to NIS2 compliance position, enhancing overall DESFA's security posture.</p> <p>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. 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</p>		
--	--	--	--	--

		contribute to the long-term sustainability and reliability of the national energy and gas networks.		
4	Industrial Automation and Control - OT Network Security and Monitoring System	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.	885.000 €	FID: 8/2025 Operation/entry in the system: 2/2026 Duration:8 months
5	OT/IT Security	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 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	200.000 €	FID: 8/2025 Operation/entry in the system: 2/2026 Duration:8 months

		<p>systems and corporate IT/OT networks of DESFA.</p> <p>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.</p> <p>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. FortiDeceptor deploys highly interactive decoys that are indistinguishable from real IT and OT assets, effectively luring attackers away from critical systems. It consolidates detection and correlation of both internal and external threat actor activities into a unified monitoring interface, providing early visibility into attack paths and behaviors. Furthermore, it enables both manual and automated, severity-based blocking of attackers, neutralizing threats before any real damage occurs.</p> <p>Together, these technologies will create a multi-layered defense architecture that enhances DESFA's ability to detect, analyze, and respond to cyber threats in real time. The project supports compliance with cybersecurity regulations and</p>		
--	--	--	--	--

		contributes to the overall resilience of DESFA's critical infrastructure from reactive to proactive defense improvement.		
6	Implementation of new internal portal	<p>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.</p> <p>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 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.</p> <p>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.</p>	440.000 €	<p>FID: 8/2025</p> <p>Operation/entry in the system: 2/2026</p> <p>Duration:8 months</p>
Total costs			16.707.105 €	