



*Draft* Follow-up Report on the progress of implementation of the approved TYDP

Reference period  
2022-2031

*Athens, March 2023*





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## Chapter 1: Introduction

According to the provisions of article 93 par. 2 of the Network Code of the Hellenic Gas Transmission System, DESFA monitors the implementation of the current Development Plan and justifies any deviation in the budget and the implementation schedule of each project, evaluates the impact thereof and provides supporting evidence of the measures taken to rectify this, especially for projects where the following have been identified:

A) Deviation of the current Budgeted Project Costs in relation to the budgeted cost of the Project as listed in the approved Development Plan, by an amount that exceeds a minimum of ten percent (10%) of the budget for the project included in the Development Plan, or an amount of two million (€ 2.000.000) Euros.

B) Deviation of the current Project implementation schedule from the project timetable as per the approved Development Plan, which leads to an increase of the total implementation time by ten percent (10%), counted in whole months.

**Annex I** presents the comparison between the (last) approved Development Plan 2022-2031 (with Decisions 666 & 681/2022 as valid) and the draft Development Plan 2023-2032 sent with letter no. 2891/15.3.2023, highlights the deviations that exceed the above limits and shows the respective justification.

Furthermore, in article 95 par. 4 of the Network Code of the Hellenic Gas Transmission System, it is mentioned that the Operator monitors separately the implementation progress of the projects included in the Small Projects List. Specifically:

*“The Operator must undertake all necessary actions to implement the projects listed in the List of Small Projects, in order to ensure compliance with relevant schedules and the budget for each project. The Development Plan implementation monitoring report, as per article [93], includes a separate section on the monitoring of the implementation of Projects on the Small Projects List whose Start Date falls on a date after the submission of the Draft Development Plan to the RAE, and which also have a Completion Date prior to the next regular submission of the Development Plan to the RAE under article [92].”*

There are no projects of the above category.

## **Chapter 2: Planned Projects included in the Development Plan 2022-2031 and have been completed**

The following projects that were included in the Development Plan 2022-2031 (RAE Decision 666 & 681/2022) have been completed:

- Upgrade of Control and Dispatching Center in Patima
- Tripoli M/R city gate station
- Metering / Regulating Station Livadia U-2710
- Upgrade of electrical circuit breakers for medium voltage and internal lighting in the control room of LNG facility
- Re-thermal Coating of Panels in ORVs M3101 A & B (€89.920,00)
- Truck Loading Pilot (first) Station
- Upgrade of physical security of DESFA facilities - Physical Security Control Center

## **Chapter 3: Planned Projects that are not included in the draft Development Plan 2023-2032**

The project Connection of NNGTS to Energean Oil& Gas was excluded from the TYDP since the requested User did not proceed with the signing of Connection Agreement and therefore his application was rejected according to the provisions of art. 95B of Network Code.



## ***ANNEX I***

### ***Follow-up of the implementation progress of the Development Plan 2022-2031***

	Project	Approved Budget TYDP 2022-2031	New Budget (TYDP 2023-2032)	Justification of deviation	Start Date	Approved date of Entry in the system TYDP 2022-2031	New Entry in the System	Project's duration (months)	New Project's duration (months)	Justification of deviation
1	Pipeline Nea Mesimvria – Evzonon/ Gevgelija and M Station	67.000.000	67.000.000	n/a	Jun-17	Jul -25	Jul -25	97	97	n/a
2	Connection of the FSRU of Alexandroupolis	26.000.000	26.000.000	n/a	Jun-18	Oct-23	Dec-23	64	66	n/a
3	Metering and Regulating Station for connecting with Dioryga Gas FSRU	15.000.000	19.500.000	(1)	Mar-21	Mar-25	May-25	48	50	n/a
<p>(1) The updated cost of the project stems from benchmarking of relevant projects already awarded. After the conclusion of the EPC award the budget will be updated accordingly.</p>										
4	M Station at SALFA Ano Liossia	720.000	870.000	(2)	Jun-17	Feb-23	Jun-23	68	72	n/a
<p>(2) The increased CAPEX is based on the need of re-adjustment of contract price due to the delays during the permitting phase and the changing conditions in the market prices</p>										

	Project	Approved Budget TYDP 2022-2031	New Budget (TYDP 2023-2032)	Justification of deviation	Start Date	Approved date of Entry in the system TYDP 2022-2031	New Entry in the System	Project's duration (months)	New Project's duration (months)	Justification of deviation
5	M/R Station AdG III	2.000.000	2.000.000	n/a	Apr-11	Apr-23	Jul-23	144	147	n/a
6	Metering Station at Agios Nikolaos Viotia (AdG IV)	1.870.000	1.870.000	n/a	Apr-18	Apr-23	Jul-23	60	63	n/a
7	Connection of ELVAL plant of NNGTS	4.950.000	4.950.000	n/a	Dec-15	Mar-24	Mar-25	99	111	(3)
(3) The timeline slippage in the completion date is due to request from the User.										
8	Connection with THERMOILEKTRIKI KOMOTINIS Power Plant to the NNTGS	6.260.000	6.260.000	n/a	Jun-20	Mar-24	Mar-24	45	45	n/a
9	Connection with ELPEDISON Power Plant to the NNTGS	3.460.000	3.800.000	n/a	Jun-20	Dec-23	Jun-25	42	60	(4)

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(4) The timeline slippage in the completion date is due to request from the User.										
10	M/R Station at the prefecture of Aspros	3.500.000	3.500.000	n/a	Dec-19	Sep-24	Sep-24	57	57	n/a
11	M/R Station in the region of Perdikas Eordeas	4.200.000	4.200.000	n/a	Dec-19	Sep-24	Sep-24	57	57	n/a
12	Drimos/Liti M/R city gate station	3.800.000	3.800.000	n/a	Jul-20	Sep-23	Mar-24	38	44	(5)
(5) The timeline slippage due to delays in the permitting phase of the Project.										
13	High Pressure pipeline to West Macedonia	167.000.000	167.000.000	n/a	Jul-20	Sep-24	Sep-24	50	50	n/a
14	High Pressure Pipeline to Patras	98.000.000	98.000.000	n/a	July-20	Sept-25	Jun-26	62	71	(6)



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<p>(6) The timeline slippage in the completion date is due to the rescheduling of the permitting phase of the project (Environmental terms approval is anticipated Q3 2024).</p>										
15	Korinthos M/R city gate Station	2.700.000	2.700.000	n/a	July-20	Dec-23	Dec-23	41	41	n/a
16	Argos/Napflio M/R city gate Station	2.900.000	2.900.000	n/a	July-20	Dec-23	Oct-24	41	51	(7)
<p>(7) Time slippage due to the need for further investigation of alternative locations for the project. The land should be technically acceptable and price reasonable.</p>										
17	Ports' Extension/Upgr ade for the LNG Trucks transfer to and from Revithoussa Terminal Station (remaining part of TLS project)	1.500.000	1.500.000	n/a	Apr-16	-	Sep-24	-	-	
<p>This project is complementary to the Truck Loading station but was not a prerequisite for the station operation.</p>										

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18	New jetty for small scale LNG in Revithoussa	28.800.000	28.800.000	n/a	Jun-17	Dec-23	Jul-25	78	97	(8)
<p>(8) The timeline slippage is due to the Issues have been raised regarding the stability during seismic phenomena. According to the alternative solutions to address the problems, additional detailed engineering and construction works are required.</p>										
19	Compression station at Komotini and Regulating Station	99.000.000	99.000.000	n/a	Jul-07	Oct-24	Phase 1: Oct-24 Phase 2: Jan-25	207	207	n/a
20	Compressor Station in Ampelia	73.000.000	73.000.000	n/a	Jun-17	Dec-23	Oct-24	78	88	(9)
<p>(9) Delay due to the interface with the two new projects, the Relocation of Ampelia – Karditsa – Trikala Pipeline and the Anti-Flood works and Damage Restoration, added in parallel with the Ampelia Compressor Station.</p>										
21	Upgrade of Nea Messimvria compression station	18.200.000	18.200.000	n/a	Mar-18	Mar-23	Jun-23	60	63	n/a

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22	Booster Compressor for TAP in Nea Mesimvria	42.700.000	42.700.000	n/a	Dec-19	Dec-23	Oct-24	48	58	(10)
(10) The time slippage is due to the delay in the tender procedure, due to conditions outside the responsibility of DESFA and the additional issues in the permitting phase.										
23	Design, supply, installation of a system for the daily gas flow	242.000	242.000	n/a	May-10	Oct-22	Dec-23	149	163	n/a
24	LNG Terminal Boil-off Gas Compressor Station	13.850.000	13.850.000	n/a	Apr-16	Jul-23	Nov-23	87	91	n/a
25	Upgrade of Geographical Information System (GIS)	100.000	100.000	n/a	Jun-17	Apr-23	Jun-24	70	84	(11)
(11) The reschedule of the project stems from the Cyberattack event that had an impact on the technical environment of the project.										
26	Replacement of Metering and control systems on M/R stations of NNGTS	4.500.000	4.500.000	n/a	Jun-17	Dec-23	Mar-24	78	81	n/a

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27	New building for DESFA's headquarters	18.800.000	18.800.000	n/a	Jun-17	Jun-23	Jan-25	72	91	(12)
(12) The slippage stems from delay in the clearance and the purchase of the building.										
28	Technical Training Centre in Nea Messimvria	1.740.000	1.740.000	n/a	Jun-17	Oct-22	Jun-23	64	72	(13)
(13) The slippage stems from modification in the technical specifications of certain equipment of the centre.										
29	NNGS Modernization projects- 4th Compilation	170.000	170.000	n/a	Jun-19	Dec-22	Dec-23	42	54	(14)
(14) Due to delay from the subcontractor to complete the construction which is custom made.										
30	Upgrade of LNG and O & M Facilities for energy saving	2.000.000	2.000.000	n/a	Dec-19	Jun-23	Sep-23	42	45	n/a
31	Cathodic Protection System	2.000.000	2.000.000	n/a	Jul-19	Nov-23	Jun-24	53	60	(15)

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	Upgrading									
(15) Due to Cyberattack resulting in delays in the procurement procedures for the supply of certain equipment.										
32	IT Transformation	7.700.000	7.700.000	n/a	Sep-19	Jan-23	Dec-24	40	63	(16)
(16) Due to Cyberattack, DESFA concentrated all efforts to the recovery of existing IT systems, having as a result the slippage of the timeline of the new IT projects.										
33	Upgrade of LNG Facilities	360.000	210.000	(17)	Jun-20	Oct-22	May-24	28	47	(18)
(17,18) Budget deviation due to removal of subproject "Engineering, supply and installation of condensate treatment system for Combined Heat & Power Plant" Timeline deviation due to re-scheduling of maintenance activities which requires shutdown taking into account the operating workload of the Terminal.										
34	LNG Maintenance Projects	822.000	882.000	n/a	May-21	Oct-22	Jun-23	17	25	(19)
(19) Timeline deviation due to re-scheduling of maintenance activities which requires shutdown taking into account the operating workload of the Terminal.										

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35	Asset management IT & OT Equipment- SP 1	45.000	45.000	n/a	Apr-22	Dec-22	Jun-23	8	14	(20)
(20) Timeline deviation due to impact of Cyberattack that took place on DESFA.										
36	Asset management IT & OT Equipment- SP 1	30.000	30.000	n/a	Apr-22	Jun-23	Jun-23	14	14	n/a
37	Required O&M Equipment for 2022	200.000	200.000	n/a	Apr-22	Dec-22	Dec-23	8	20	(21)
(21) Due to the nature of this CAPEX (see TYDP description), this is about a basket of CAPEX used for acquiring maintenance tools and equipment; If the CAPEX is not exhausted within year, then it extends to the next year. The rate of CAPEX exhaustion depends on the ad hoc needs for corrective maintenance works.										
38	M/R Station to Veroia	3.500.000	3.500.000	n/a	Oct-21	Sep-24	Sep-24	35	35	n/a
39	M/R Station to Naousa	3.500.000	3.500.000	n/a	Oct-21	Sep-24	Sep-24	35	35	n/a

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40	Expansion and Upgrade of M/R Stations of Exit Point to Distribution Network 'Athens'	3.000.000	3.000.000	n/a	Oct-21	Mar-24	Jun-24	29	32	(22)
(22) The project has been rescheduled taking into account the needs of the system.										
41	Keratsini branch rerouting (Mavri Ora stream)	425.000	425.000	n/a	Oct-21	Jun-24	Jun-24	32	32	n/a
42	Construction of a new Metering & Regulating Station in Markopoulo Site to replace the existing temporary M/R	2.200.000	2.200.000	n/a	Oct-21	Mar-24	Dec-24	29	38	(23)
(23) The project has been rescheduled taking into account the needs of the system.										

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43	New electronic information system for natural gas functionalities upgrade	350.000	350.000	n/a	Oct-21	Dec-22	Dec-23	14	26	(24)
(24) Due to Cyberattack, DESFA concentrated all efforts to the recovery of existing IT systems, having as a result the slippage of the timeline of the new IT projects.										
44	Development of an Information System for DESFA to undertake the role of forecasting party for the NNGTS Balancing Zone	500.000	500.000	n/a	Oct-21	Oct-22	Jun-23	12	20	(25)
(25) Due to Cyberattack, DESFA concentrated all efforts to the recovery of existing IT systems, having as a result the slippage of the timeline of the new IT projects.										
45	New electronic information system for natural gas	3.500.000	3.500.000	n/a	Oct-21	Dec-23	Dec-24	26	38	(26)
(26) Due to Cyberattack, DESFA concentrated all efforts to the recovery of existing IT systems, having as a result the slippage of the timeline of the new IT projects.										



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46	New project management system upgrade	1.200.000	1.200.000	n/a	Oct-21	Dec-22	Dec-23	14	26	(27)
(28) Due to Cyberattack, DESFA concentrated all efforts to the recovery of existing IT systems, having as a result the slippage of the timeline of the new IT projects.										
47	Upgrade of Fire Fighting System & replacement of the pressure relief valves at BMS Sidirokastro	800.000	800.000	n/a	Oct-21	Dec-22	Mar-24	14	29	(28)
(28) Time deviation due to the malfunction in the award procedures as a consequence of the cyberattack incident that took place in DESFA.										
48	Nitrogen injection system	2.530.000	2.530.000	n/a	Oct-21	Jun-24	Sep-24	32	35	n/a
49	Overhaul maintenance of the two (2) BOG Compressors V-3101 A & V-3101 B	640.000	640.000	n/a	May-22	Apr-23	Jul-23	11	14	(29)

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(29) Timeline deviation due to estimated time of invoicing of final outstanding amount while mechanical completion of the project is expected to take place by the original deadline of Apr-23.										
50	Overhaul maintenance of GE 1 Unit of CHP Plant	500.000	500.000	n/a	May-22	Nov-22	Apr-23	6	11	(30)
(30) Timeline deviation due to estimated time of invoicing of a small outstanding amount, while the Project has been already mechanically completed.										
51	LNG upgrade projects 2022	650.000	560.000	(31)	May-22	Jul-23	Jun-24	14	25	(32)
(31) Budget deviation due to completion of subproject "Re-thermal coating of panels in ORVs M3101 A & B". (32) Timeline deviation due to re-scheduling of maintenance activities which requires shutdown taking into account the operating workload of the Terminal.										
52	Transmission Projects	507.750	495.000	n/a	May-22	Jun-23	Jun-23	13	13	n/a
53	Replacement of Telecommunication and Network Equipment in NNGS Fixed	950.000	1.053.000	(33)	May-22	Jul-23	Mar-24	14	22	(34)

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	Telecommunication System									
<p>(33) The time deviation due to the Cyberattack had an impact on the offered contractor price, due to price escalation.            (34) Timeline deviation due to impact of Cyberattack that took place on DESFA.</p>										
54	Nea Messimvria M/R Station modifications for Reverse Flow Operation	2.000.000	2.000.000	n/a	Jul-22	Jun-24	Oct-24	23	27	(35)
<p>(35) The project time schedule is related to the Booster CS.</p>										
55	Relocation of Ampelia – Karditsa – Trikala Pipeline	4.950.000	4.950.000	n/a	Jul-22	Mar-23	Sep-23	8	14	(36)
<p>(36) Timeline deviation due to the malfunction in the award procedures as a consequence of the cyberattack incident.</p>										
56	Anti-Flood works and Damage Restoration in the Ampelia Station	2.500.000	2.500.000	n/a	Jul-22	Dec-23	Dec-23	17	17	n/a

	Project	Approved Budget TYDP 2022-2031	New Budget (TYDP 2023-2032)	Justification of deviation	Start Date	Approved date of Entry in the system TYDP 2022-2031	New Entry in the System	Project's duration (months)	New Project's duration (months)	Justification of deviation
57	M/R Station for connecting East Med pipeline	7.500.000	7.500.000	These projects are not included in the 3-years development period						
58	M/R Station for connecting South Kavala UGS	7.500.000	7.500.000							
59	Construction of high-pressure pipeline Mavromati (Vagia) - Larymna and the necessary Metering Station for the connection of LARCO GMM SA with NNGS	17.500.000	17.500.000							