



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

Reference period
2021-2030

Athens, July 2022





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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 2021-2030 and the draft Development Plan 2022-2031 sent with letter no. 142083/15.07.2022, 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 Small Projects List with a Start Date later than the date of submission of the Draft Development Plan 2021-2030 to RAE.

Chapter 2: Planned Projects included in the Development Plan 2021-2030 that have been completed

The following projects that were included in the Development Plan 2021-2030 (RAE Decision 116/2021) have been successfully completed:

- Upgrade of LNG Loading Arms at Revithoussa LNG Terminal
- Increment of the back-up power availability at the Revithoussa LNG terminal
- Replacement of (2) Regulating Valves 24'' Mokveld
- Replacement of two (2) Chiller systems
- Integrated Information System for Natural Gas Upgrade (year 2020)
- Hydraulic Simulation Software of NNGS upgrade in real time
- Interconnection of IGB Pipeline with the NNGS in Komotini
- Upgrade of SCADA in dispatching centers
- Installation of M/R Kavala
- Megalopoli M/R city gate station

Chapter 3: Planned Projects included in Development Plan 2021-2030 but removed from Development Plan 2022-2031

The following projects have been excluded from the draft TYDP 2022-2031, following DEPA Commercial letter (PN 80745/31.01.2022) stating the unnecessary of the investment.

- Connection with DEPA's CNG Station in Komotini
- Connection with DEPA's CNG Station in Tripoli

M/R Station in the region of Poria & CNG Station in the region of Poria are removed from the Development Plan 2022-2031 due to changed design philosophy in respect to the supply of West Macedonia. These two projects have been replaced by the project B3.1.1. "SSLNG in Poria, Aspros & Perdikas" in draft TYDP 2022-2031.



ANNEX I

Follow-up of the implementation progress of the Development Plan 2021-2030

	Project	Budget (TYDP 2021-2030)	Current Budget (TYDP 2022-2031)	Budget Deviation (%)	Justification of deviation	Start Date	Date of Entry in the system (TYDP 2021-2030)	New Entry in the System (TYDP 2022-2031)	Project's duration (months)	New Project's duration (months)	Justification of deviation
1	Pipeline Nea Mesimvria – Evzonon/ Gevgelija and M Station	51.400.000	67.000.000	30,35%	(1)	Jun-17	Jun-24	Jul-25	84	97	(2)
(1-2) The increased CAPEX takes into account the higher material prices/logistics costs, hydrogen compatibility and maturing of design. The project's completion date is rescheduled according to the Cooperation Agreement with NER and the current market test progress.											
2	Connection of the FSRU of Alexandroupolis	13.000.000	26.000.000	100,00%	(3)	Jun-18	Sep-23	Oct-23	63	64	N/A
(3) The budget increase is driven by updated market prices based on concluded procurement procedures as well as increase of prices (steel, energy/fuel, logistics etc.) due to recent ongoing geopolitical events.											
3	Metering and Regulating Station for connecting with Dioryga Gas FSRU	9.900.000	15.000.000	51,52%	(4)	Mar-21	2023	Mar-25	33	48	(5)



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<p>(4-5) The budget increase is driven by updated market prices based on concluded procurement procedures of relative projects as well as increase of prices (steel, energy/fuel, logistics etc.) due to recent ongoing geopolitical events. The timeline of the project is redefined due to the long delivery time of the material time due to pandemic restrictions and geopolitical events and also due to the time needed for the permitting of the project, from the competent authorities.</p>											
4	M Station at SALFA Ano Liossia	680.000	720.000	5,88%	N/A	Jun-17	Jun-21	Feb-23	48	68	(6)
<p>(6) The timeline of the project is redefined following the delays for the permitting of the project, from the competent authorities (Installation License approved on Sep 21).</p>											
5	M/R Station AdG III	2.000.000	2.000.000	0%	N/A	Apr-11	Mar-22	Apr-23	131	144	N/A
6	Connection of Energean Oil & Gas S.A plant to the NNGTS	3.400.000	3.900.000	14,71%	(7)	Nov-18	Dec-22	May-25	49	78	(8)
<p>(7-8) During the negotiations for the signing of connection agreement with the User, DESFA had to update the budget/timeline the interconnection project due to latest higher material prices/logistics costs.</p>											

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7	Metering Station at Agios Nikolaos Viotia (AdG IV)	1.870.000	1.870.000	0,00%	N/A	Apr-18	Apr-23	Apr-23	60	60	N/A
8	Connection of ELVAL plant of NNGTS	4.000.000	4.950.000	23,75%	(9)	Dec-15	Dec-22	Mar-24	84	99	(10)
(9-10) ELVALHALKOR S.A requested a new position for the new station leading to a new Connection Agreement with updated scope, budget and time schedule.											
9	Connection with TERNA Power Plant to the NNTGS	3.220.000	6.260.000	94,41%	(11)	Jun-20	Dec-22	Mar-24	30	45	(12)
(11-12) The capacity expansion with an Increased diameter of pipeline to 16", the escalation of raw material prices and the escalation of erection works due to HICP inflation caused the increase in budget and the delay in contract award.											
10	Connection with ELPEDISON Power Plant to the NNTGS	2.160.000	3.460.000	60,19%	(13)	Jun-20	Nov-22	Dec-23	29	42	(14)

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<p>(13-14) The budget is driven by updated market prices based on ongoing procurement procedures as well as increase of prices (steel, energy/fuel, logistics etc.) due to recent geopolitical events.</p>											
11	M/R Station at the prefecture of Aspros	3.000.000	3.500.000	16,67%	(15)	Dec-19	Oct-22	Sep-24	34	57	(16)
<p>(15- 16) The budget is driven by updated market prices based on concluded procurement procedures as well as increase of prices (steel, energy/fuel, logistics etc.) due to recent geopolitical events. The Completion of the project is linked with the time schedule of West Macedonia Pipeline.</p>											
12	M/R Station in the region of Perdikas Eordeas	2.000.000	4.200.000	110,00%	(17)	Dec-19	Oct-22	Sep-24	34	57	(18)
<p>(17- 18) Budget is driven by updated market prices based on concluded procurement procedures as well as increase of prices (steel, energy/fuel, logistics etc.) due to recent geopolitical events. The Completion of the project is linked with the time schedule of West Macedonia Pipeline. DESFA will proceed with modular solutions of SSLNG for the supply of Aspros and Perdikas, with temporary ssLNG facilities installations to cover n.g. demand for '23-'24 thermal year, as described in new project of TYDP "SSLNG infrastructure to supply the regions of Poria, Aspros & Perdikas"</p>											
13	MR Station Livadia	1.980.000	2.300.000	16,16%	(19)	Jul-18	Mar-22	Sep-22	44	48	N/A

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(19) Budget increase due to higher material prices/logistics costs.											
14	Drimos/Liti M/R city gate station	2.500.000	3.800.000	52,00%	(20)	Jul-20	Apr-23	Sep-23	33	38	(21)
(20-21) The budget is driven by updated market prices based on concluded procurement procedures of relevant projects as well as increase of prices (steel, energy/fuel, logistics etc.) due to recent geopolitical events. The completion date has been updated due to a delay in the land acquisition procedures.											
15	High Pressure pipeline to West Macedonia	110.000.000	167.000.000	51,82%	(22)	Jul-20	Sep-23	Sep-24	38	50	(23)
(22-23) The budget is driven by updated market prices based on concluded procurement procedures as well as increase of prices (steel, energy/fuel, logistics etc.) due to recent geopolitical event. Alignment with teleheating installations project time schedule											
16	High Pressure Pipeline to Patras	85.000.000	98.000.000	15,29%	(24)	July-20	Jun-26	Sept-25	71	62	N/A
(24) Budget increase due to higher material prices/logistics costs, hydrogen compatibility.											

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17	Korinthos M/R city gate Station	2.000.000	2.700.000	35,00%	(25)	July-20	Oct-22	Dec-23	27	41	(26)
<p>(25-26) The budget is driven by updated market prices based on concluded procurement procedures as well as increase of prices (steel, energy/fuel, logistics etc.) due to recent geopolitical events. Taking into account the status of Distribution System Operator's works regarding the development of the distribution network in the city of Korinthos, the timeline of the project is redefined. Capability/ optional acceleration if market needs request it.</p>											
18	Argos/Napflio M/R city gate Station	2.200.000	2.900.000	31,82%	(27)	July-20	Oct-22	Dec-23	27	41	(28)
<p>(27-28) The budget is driven by updated market prices based on concluded procurement procedures as well as increase of prices (steel, energy/fuel, logistics etc.) due to recent geopolitical events. Taking into account the status of the Distribution System Operator's works regarding the development of the distribution network in the city of Korinthos, the timeline of the project is redefined. Capability/ optional acceleration if market needs request it.</p>											
19	Tripoli M/R city gate Station	2.000.000	2.300.000	15,00%	(29)	Jul-20	Oct-22	Oct-22	27	27	N/A
<p>(29) Budget increase due to higher material prices/logistics costs.</p>											

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20	Truck Loading Pilot (first) Station	6.500.000	7.500.000.	15,38%	(30)	Apr-16	Dec-21	Jul-22	68	75	(31)
<p>(30-31) Budget increase due to expected construction contingencies for Almyra's Port upgrade inclusion in the scope. Delay due to additional work for the provision of 2nd loading bay.</p>											
21	New jetty for small scale LNG in Revithoussa	20.400.000	28.800.000	41,18%	(32)	Jun-17	Sep-22	Dec-23	63	78	(33)
<p>(32-33) Issues have been raised regarding the stability of the quaywall during seismic phenomena. According to the alternative solutions to address the problems, additional detailed engineering and construction works will be required to improve the characteristics of underlying soil and the project (marine facilities) to fulfill the seismic criteria, with impact to the cost of the project. These new geotechnical investigations and dynamic geotechnical analysis and further detailed engineering and construction works affect the timeline as well.</p>											
22	Compression station at Komotini and Regulating Station	15.000.000	50.000.000	233,33%	(34)	Jul-07	Oct-23	Oct-24	195	207	N/A
<p>(34) The initial design of the compressor concerned the capacity to be estimated at $(1+1) \times 3,5$ MW ISO. Following market's needs and design checks, as well as the ongoing basic design of the project defined the need for a capacity at 12,5 MW with provisions for future extension of additional compressor power till 17 MW. Final capacity will also be defined when the land investigation and purchase is completed. In addition to the above, the escalation of raw material prices and in logistics due to pandemic restrictions and geopolitical events is leading to increase of the project's budget amount.</p>											



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Action considered in order to achieve target completion date: Prompt Tendering Procedure (with negotiations) for the EPC award in order to achieve EPC commencement in December 2022											
23	Compressor Station in Ampelia	65.000.000	73.000.000	12,31%	(35)	Jun-17	Jun-23	Dec-23	72	78	N/A
(35) Budget increase due to higher material prices/logistics costs, and hydrogen compatibility.											
24	Upgrade of Nea Messimvria compression station	17.400.000	18.200.000	4,60%	N/A	Mar-18	Dec-22	Mar-23	57	60	N/A
25	Booster Compressor for TAP in Nea Mesimvria	30.000.000	42.700.000	42,33%	(36)	Dec-19	Jun-23	Jun-24	42	54	(37)
(36-37) Escalation of raw material prices and the escalation of erection works due to HIPC inflation caused the increase in budget. Delay in tender award phase.											



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26	Design, supply, installation of a system for the daily gas flow	242.000	242.000	0,00%	N/A	May-10	Sep-21	Oct-22	136	149	N/A
27	LNG Terminal Boil-off Gas Compressor Station	11.600.000	13.850.000	19,40%	(38)	Apr-16	Dec-22	Jul-23	80	87	N/A
(38) The increased CAPEX considers the higher raw material prices/logistics costs and expected increased construction contingencies.											
28	Upgrade of electrical switches for medium voltage and internal lighting in the control room of LNG facility	1.000.000	1.000.000	0,00%	N/A	Jun-17	Dec-21	Dec-22	54	66	(39)
(39) The project was postponed due to covid situation and unavailability of provider											

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29	Upgrade of Geographical Information System (GIS)	100.000	100.000	0,00%	N/A	Jun-17	Jul-21	Apr-23	49	70	(40)
(40) Timeline deviation due to other projects currently ongoing for the GIS server, the Project has a new estimated date of conclusion the April of 2023											
30	Upgrade of physical protection of DESFA facilities - Physical Safety Control Center	1.200.000	1.200.000	0,00%	N/A	Jun-17	Dec-21	Nov-22	54	65	(41)
(41) Time slippage due to the delay in delivery of critical equipment due to the global disruption in the production and delivery of electronic components											
31	Replacement of Metering and control systems on M/R stations of NNGTS	4.500.000	4.500.000	0,00%	N/A	Jun-17	Oct-22	Dec-23	64	78	(42)
(42) Timeline deviation due to the delay on the tendering procedure of EPC contract.											



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32	New building for DESFA's headquarters	11.000.000	18.800.000	70,91%	(43)	Jun-17	Dec-22	Jun-23	66	72	N/A
(43) Budget increase due to higher material cost due to building upgrade to LEED category.											
33	Technical Training Centre in Nea Messimvria	1.600.000	1.740.000	8,75%	N/A	Jun-17	Dec-21	Oct-22	54	64	(44)
(44) Due to modification of the specification to the glassing ceramic print of the building for better quality purposes											
34	NNGS Modernization projects- 4th Compilation	70.000*	170.000	142,86%	(45)	Jun-19	Jul-21	Dec-22	25	42	(46)
(45-46) Two subprojects were completed, replacement of (2) Regulating Valves 24'' Mokveld and replacement of two (2) Chiller systems. Timeline deviation due to covid situation and unavailability of providers.											

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35	Upgrade of LNG and O & M Facilities for energy saving	2.000.000	2.000.000	0,00%	N/A	Dec-19	Dec-21	Jun-23	24	42	(47)
(47) Timeline deviation due to delay in tender procedure.											
36	Cathodic Protection System Upgrading	2.000.000	2.000.000	0,00%	N/A	Jul-19	Jan-23	Nov-23	43	53	(48)
(48) Timeline deviation due to covid situation and unavailability of providers.											
37	IT Transformation	7.000.000	7.700.000	10,00%	N/A	Sep-19	Jan-23	Jan-23	40	40	N/A
38	Upgrade of LNG Facilities	270.000	360.000	33,33%	(49)	Jun-20	Oct-21	Oct-22	16	28	(50)
(49-50) The budget is increased due to updated scope of work. Rescheduling due to covid and unavailability of suppliers											

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39	M/R Station for connecting South Kavala UGS	7.500.000	7.500.000		N/A	N/A					The project is under maturity and is not included in the 3-years development period
40	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		N/A	Jun-13					The project is under maturity and is not included in the 3-years development period