

FMW - IENE



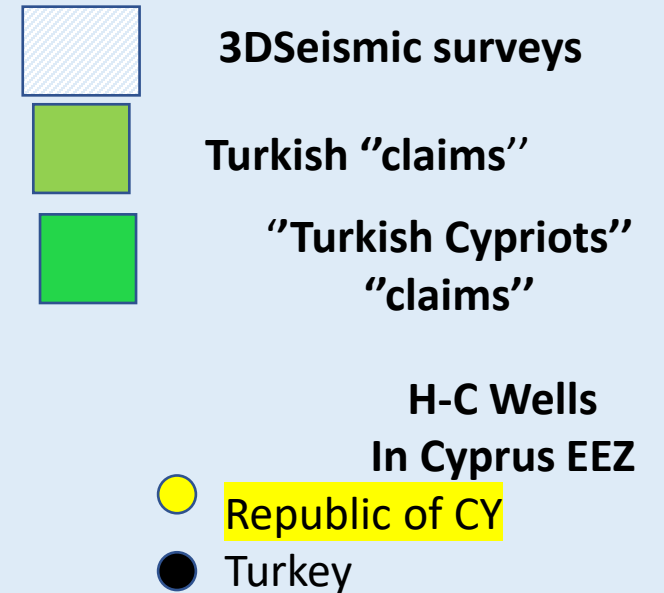
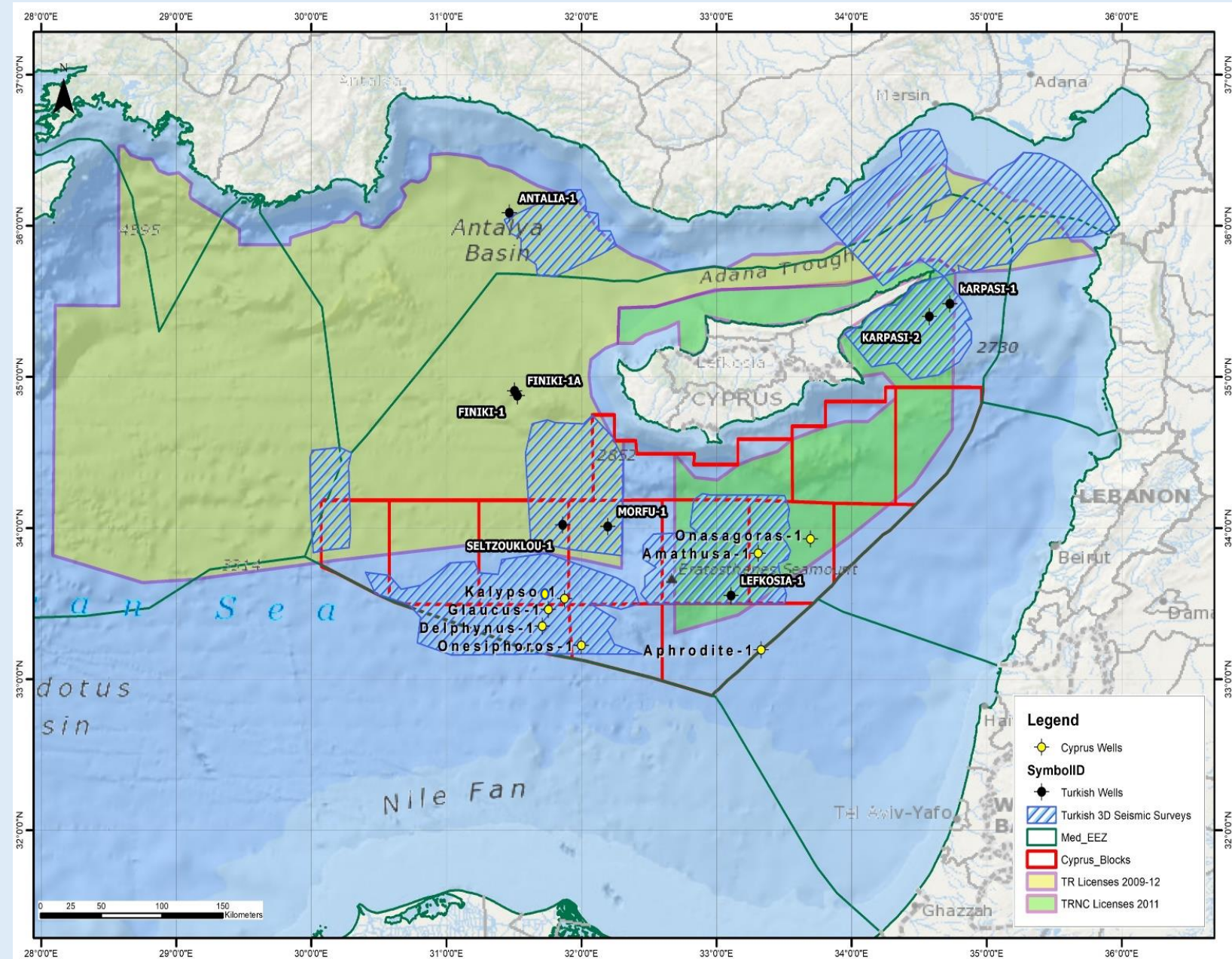
17 Νοεμβρίου 2022
Royal Hall, Λευκωσία

**Legal and Illegal
Hydrocarbon Exploration
in Cyprus Exclusive Economic Zone
Findings and Development Scenarios**

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Petroleum Geologist & Energy Economist**

Turkish Illegal Exploration in Cyprus EEZ

Turkish "Claims" 3D Seismic surveys and Hydrocarbon Exploration Drilling In Cyprus EEZ



WELL COORDINATES IN S.E MEDITERRANEAN BY TPAO

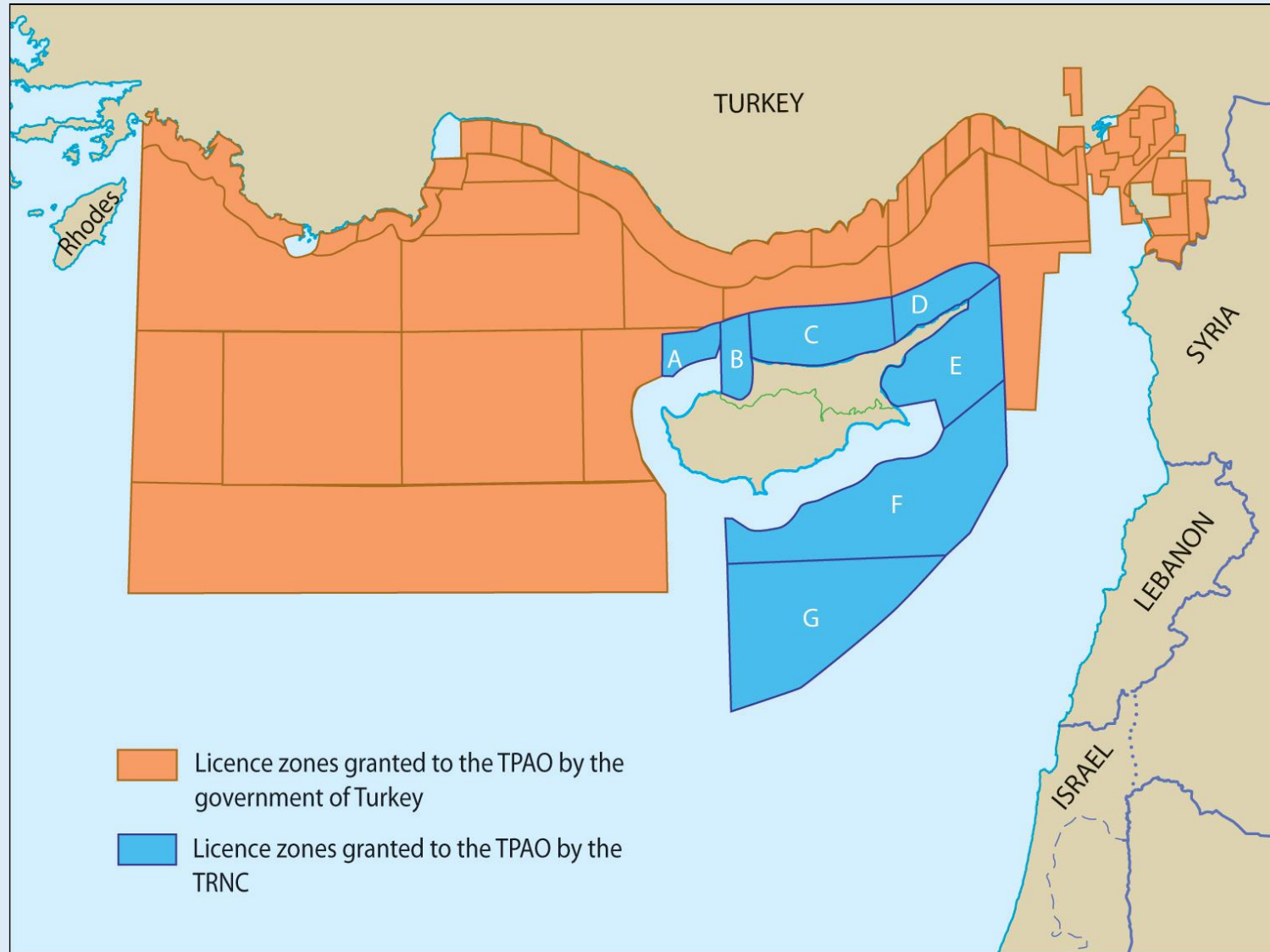
A/A	AREA	WELL NAME	RIG	LAT	LON	BLOCK	COMPANY	START DAY	END DAY	SEA DEPTH	WELL DEPTH
1	TURKEY	ANTALIA-1	FATIH	36 05 00,00	31 28 04,00	TURKEY AOZ	TPAO	01/11/2018			
2	TURKEY	FINIKI-1	FATIH	34 54 20,00	31 30 25,00	CYPRUS AOZ	TPAO	01/05/2019		2900	
3	TURKEY	KARPASI-1	YAVUZ	35 28 58,90	34 43 45,50	CYPRUS AOZ	TPAO	07/07/2019		1700	
4	TURKEY	MORFU-1	YAVUZ	34 00 32,00	32 11 47,00	CYPRUS AOZ (BLOCK 7)	TPAO	05/10/2019			
5	TURKEY	KARPASI-2	FATIH	35 23 55,00	34 34 36,00	CYPRUS AOZ	TPAO	13/11/2019			
6	TURKEY	LEFKOSIA-1	YAVUZ	33 33 06,12	33 06 31,74	CYPRUS AOZ (BLOCK 8)	TPAO	21/01/2020			
7	TURKEY	SELTZOUKLOU-1	YAVUZ	34 01 11,56	31 51 42,63	CYPRUS AOZ (BLOCK 6)	TPAO	21/04/2020			

Turkey and the 'Blue Homeland'

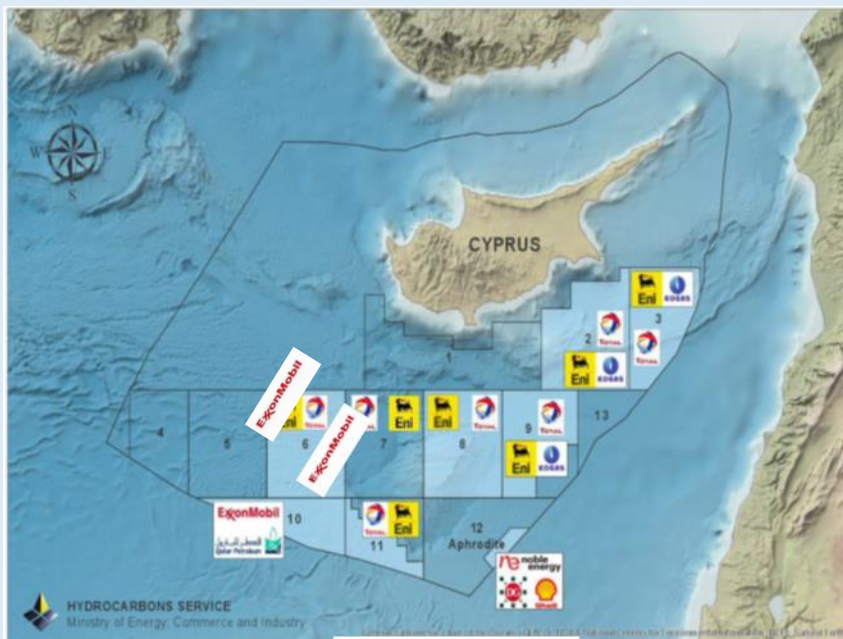


TPAO exploration licences in the Eastern Mediterranean Sea.

[Source:TPAO]



Israel and Cyprus Main Gas Fields 2022



CYPRUS



"Aphrodite": 4-4,5 Tcf (2C)



"Calypso": 1-1,5 ? Tcf



"Cronos" : 2,5 Tcf

"Glafkos": 3,5-4 (?) Tcf



TOTAL : 11-12,5 Tcf (330-340 BCM)



ISRAEL

"Tamar": 12 Tcf (2P)



"Leviathan": 22 Tcf (2P)



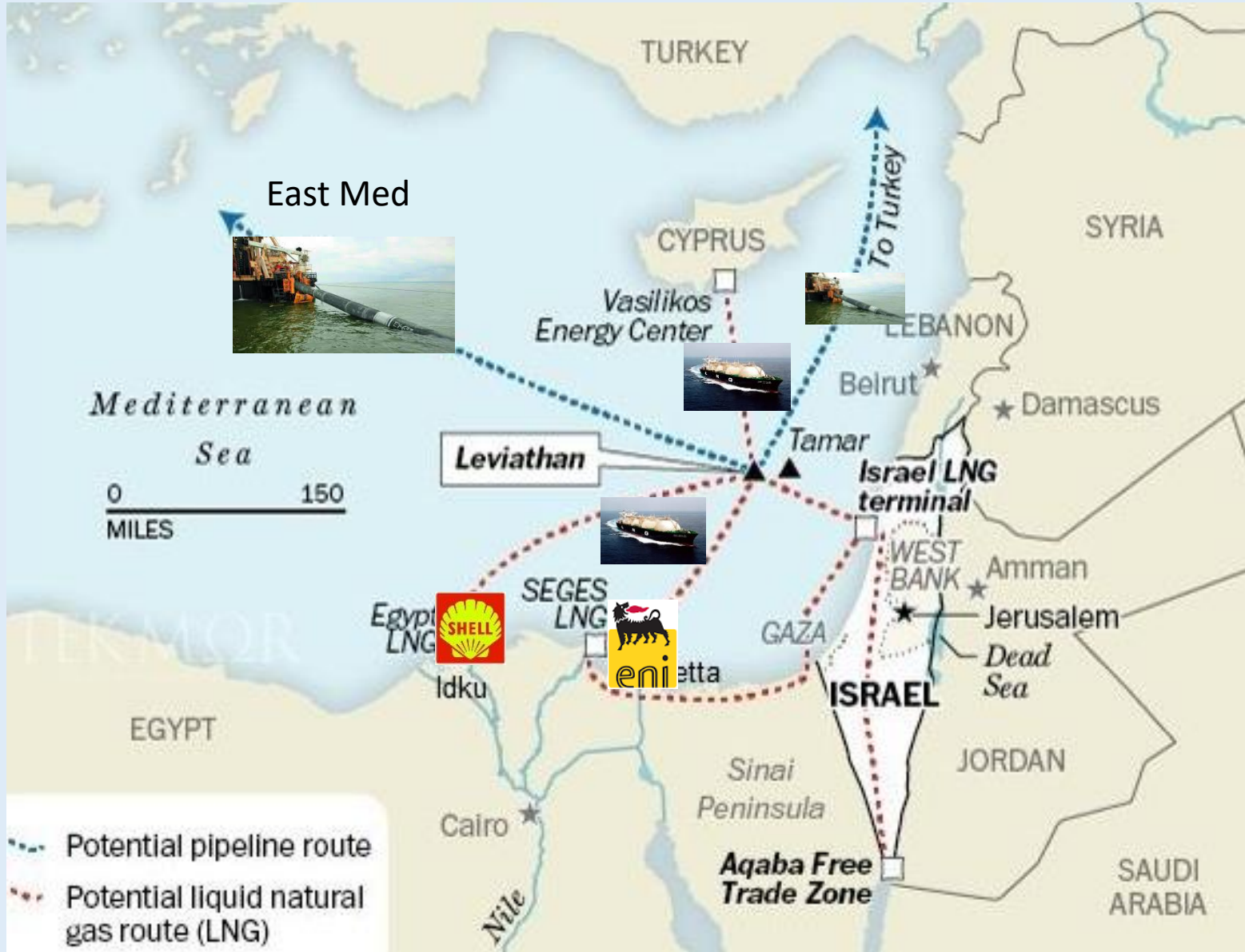
"Karish-Tanin" etc : 3,5 Tcf (2P)



TOTAL: 37-37,5 Tcf (1100 -1150 BCM)

East Mediterranean Gas Fields

Infrastructures and alternative routes to the Markets



Eastern Mediterranean: Gas Reserves & Gas Production and Consumption 2021)

2021, Natural Gas Reserves - Production – Consumption <i>(BP Energy Statistics 2022)</i>			
	Reserves (TCM)	Production (BCM)	Consumption (BCM)
World	190-200	4036	4037
Egypt	2,2-2,3	68	62
Israel	1,1-1,2	11,5	11
Libya	1,4-1,5	12	-
Cyprus	0,33-0,35	-	-
Greece	-	-	6
Turkey	-	-	55
Russia	39-40	701	476
European Union+	0,4	40	405
USA	14-15	934	827
Iran	34-35	256	241

Source: BP Energy Statistics 2022

Gas Discoveries in Cyprus and Israel and existing export Infrastructures in the East Mediterranean

CYPRUS

"Aphrodite": 4,1 -4,5 Tcf
 "Calypso": 1-1,5 ? Tcf
 "Cronos": 2,5 tcf
 "Glafkos": 3,5-4 Tcf ?



ISRAEL

"Tamar": 12 Tcf
 "Leviathan": 2 Tcf
 "Karish-Tanin" etc : 3,5 Tcf



Egypt LNG plants



IDKU LNG:

2 trains 7,2 mt.y

10 bcm/y

Shell 35.5%

Petronas: 35,5%

GdF: 5%

EGAS: 12%



DAMIETTA LNG

1 train 5,5 mt.y

8 bcm/y

ENI: 40%

Union Fenosa: 40%

EGAS: 10%

EGPC: 10%

