

REGULATION OF LNG SUPPLY AND TERMINALS

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Egyptian LNG Case

Economist. Hatem Mahmoud

Tariff and license's Fees General Manager, GasReg

Chemist. Mohamed ELSaadawy

Senior Manager, Production Planning,
Egyptian LNG



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The Egyptian Market In Numbers:

250 MMSCMD

Transmission
Capacity Grid



More than
55,400 Km
Distribution
Grids



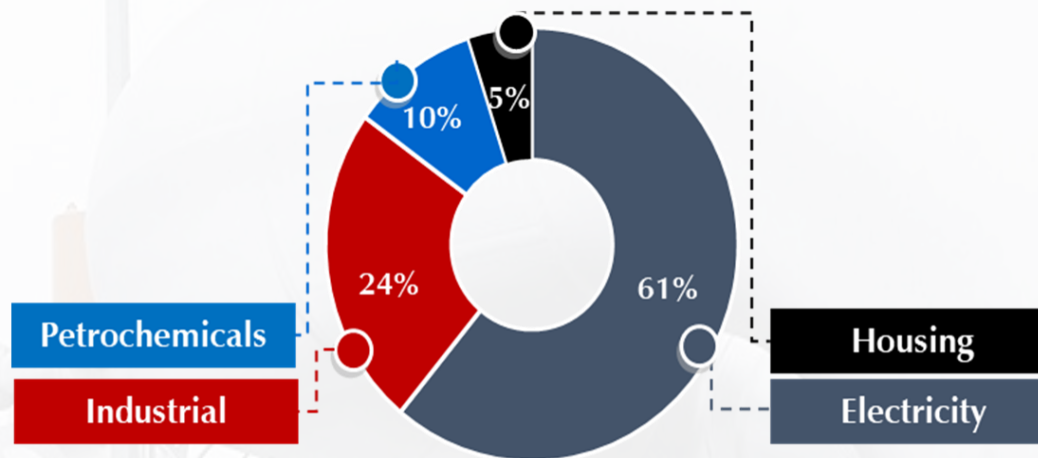
7,920 Km

Transmission
Grid



59.2 BSCM

Consumption
in 2020



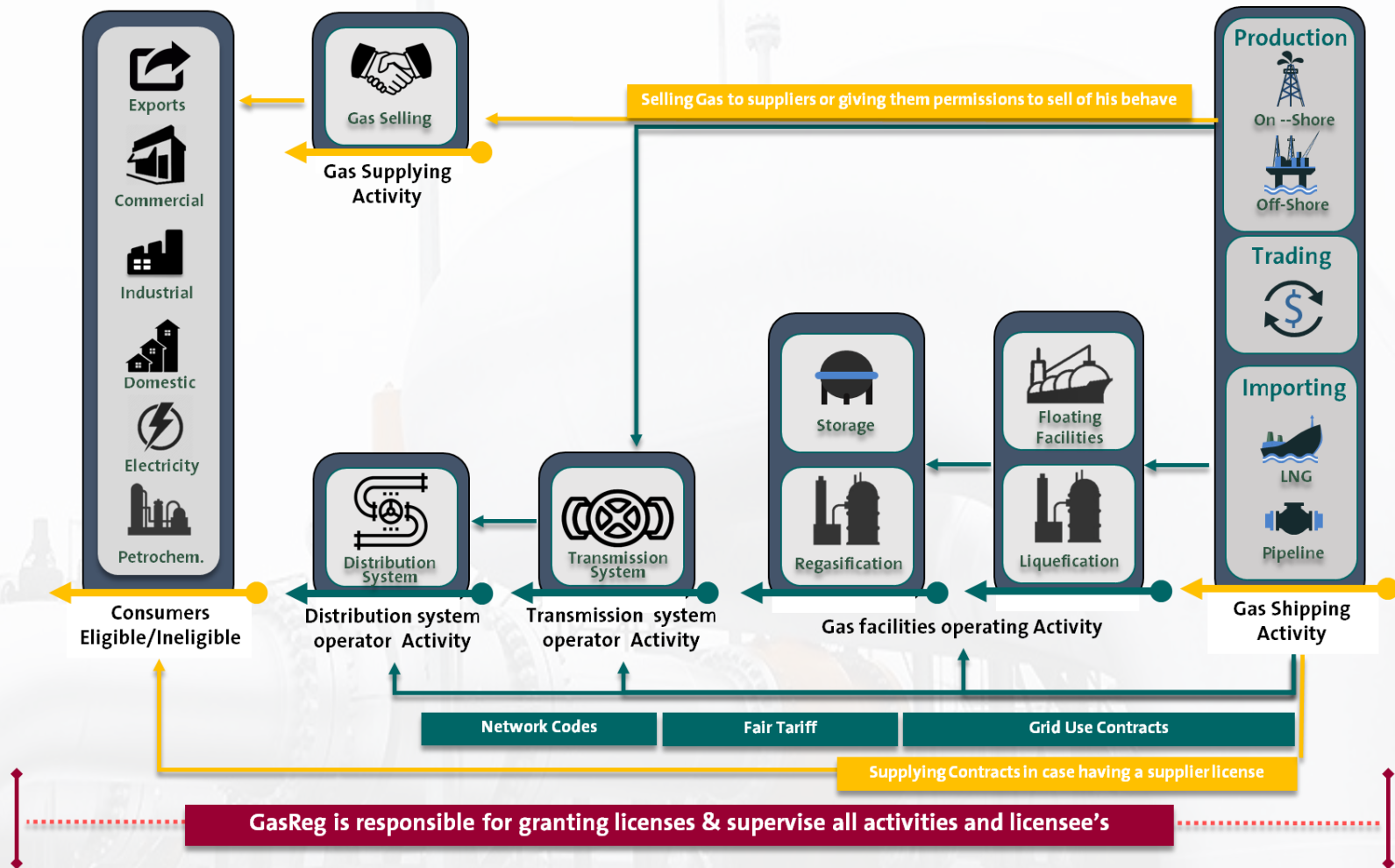
TSO ^{One} **1**

DSO ^{Fourteen} **14**

Supp. ^{Fifteen} **15**

Ship. ^{One} **1**

The New Gas Market (the Future)



Objectives of Market Regulation according to law

Regulate, Monitor and Supervise all downstream Gas Market Activities.

Protecting the interests of all Gas Market Participants including the consumers' rights.

Ensure the right of third party access to gas facilities.

create a convenient environment for free competition to avoid monopolistic practices.











Attract Investments in the field of Gas Market Activities,

Guarantee the quality of services provided.

Security of Natural Gas supply.

GasReg Mandate for Market Activities:



-  ▶ Regulating relations among gas market participants.
-  ▶ Approving the gas facilities and network codes
-  ▶ Setting the tariff calculation methodology for gas facilities and network .
-  ▶ Preparing the necessary rules to allow TPA without discrimination.
-  ▶ Following-up and monitoring the licensees and their practices.
-  ▶ Handling the complaint submitted by gas market participants .
-  ▶ Setting the needed rules and regulations for the separation of activities.
-  ▶ Reviewing investment plans for the Gas Facilities

The Main Objectives Of The Market Opening Strategy



The Available Regulation techniques adopted by other countries



- 1 Full mandatory use**
- 2 Right of voluntary use**
- 3 Right of voluntary compulsory use**
- 4 Exemptions**

Part 2 :Egyptian LNG



Agenda

- 2020 Quick Global LNG Market
- Egyptian LNG Partnership
- Egyptian LNG Capacity ,Design and Exporting Facility
- Challenges
- Egypt from Importing to Exporting (Zohr Discovery)
- Integration with gas transmission network 2019
- LNG Sales Growth after the Integration
- New FOB LNG Buyers
- Extended Egyptian LNG Value Chain (Future Projects Under Studies)



356.1 M/T Imported
vs 354.7 M/T in 2019



+0.4% Growth 2020 vs 2019
+13% growth 2019 vs. 2018



71% of Global LNG
demand in Asia.
41% of Global LNG
Volumes supplies from
Pacific Basin



947 MTPA
Total Regasification Capacity

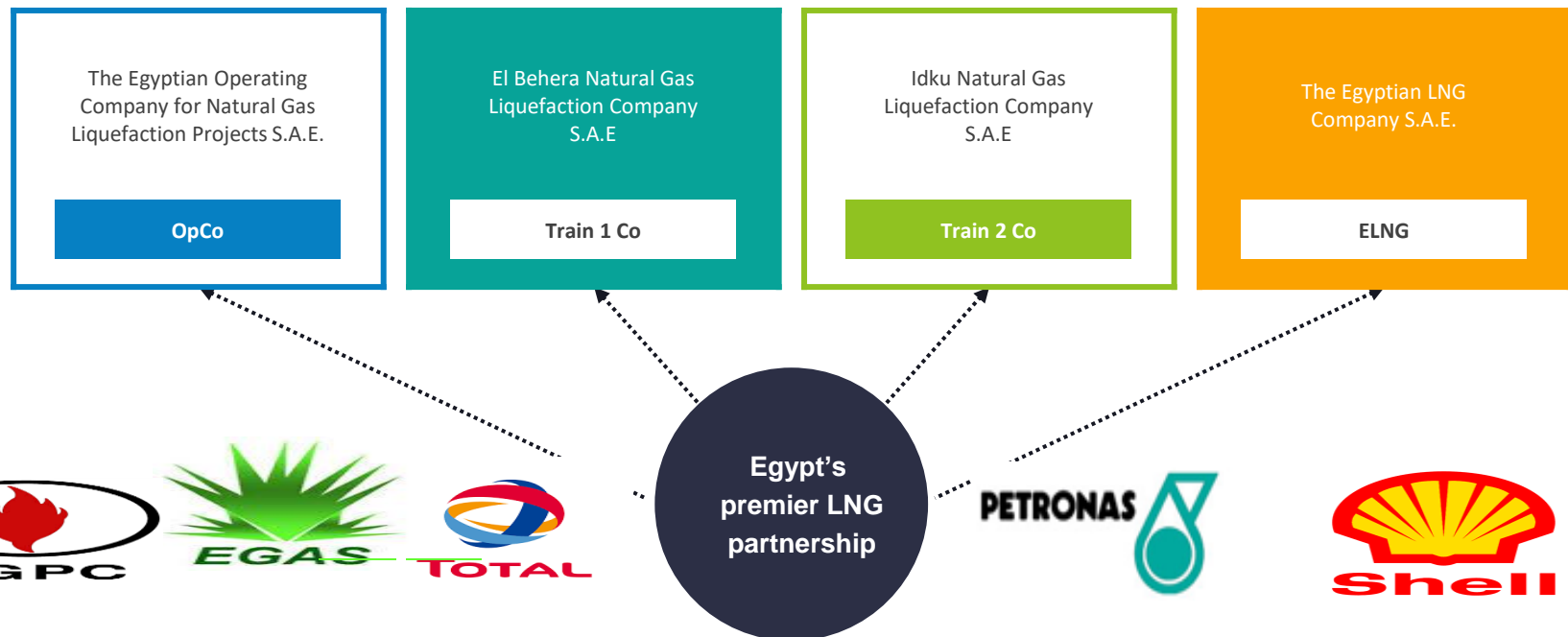
20 Exporting Countries
43 Importing Countries
8 New regasification
Terminals



454 MTPA
Total Liquefaction Capacity



Egypt's premier LNG partnership





Total
Egyptian LNG Train 1
Long term Buyer.

T1



T1

Capacity: 3.6 MTPA



Shell
Egyptian LNG Train 2
Long term Buyer.

T2

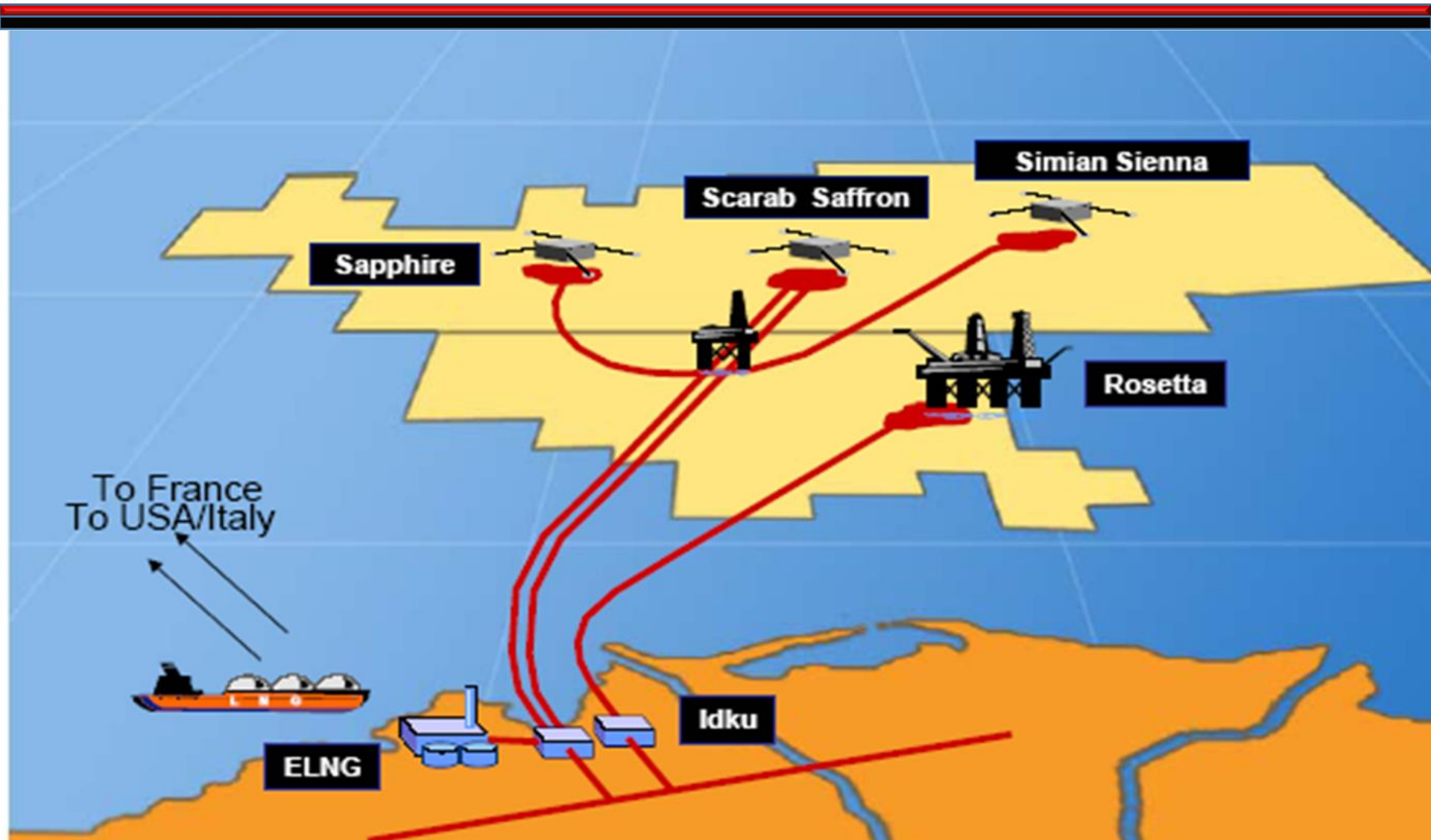


T2

Capacity: 3.6 MTPA



WDDM Gas Wells



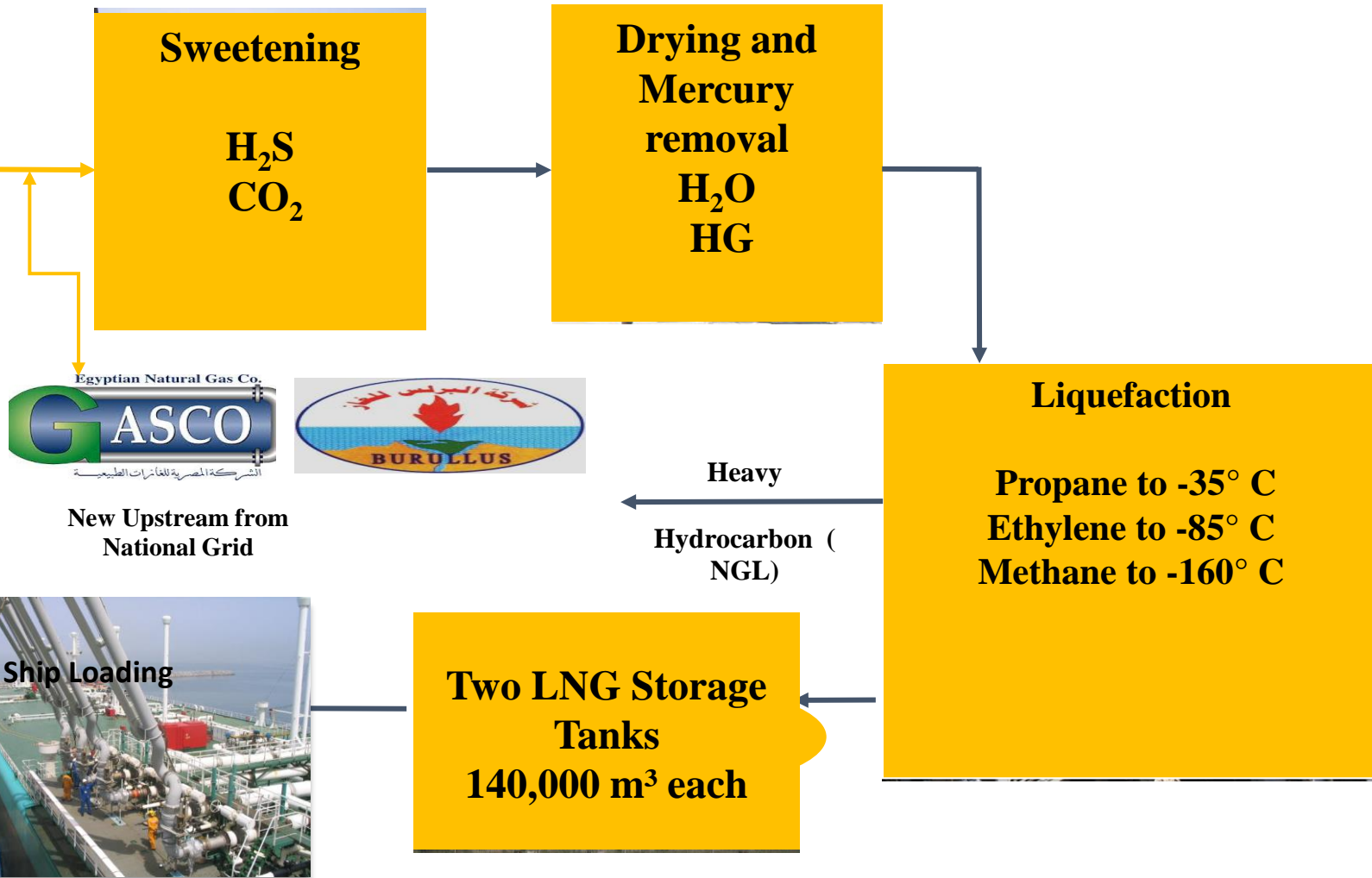
EGYPTIAN LNG SITE (IDKU)



Process Description (Conoco Philips Optimized Cascade Process)



West Delta
Deep Marine



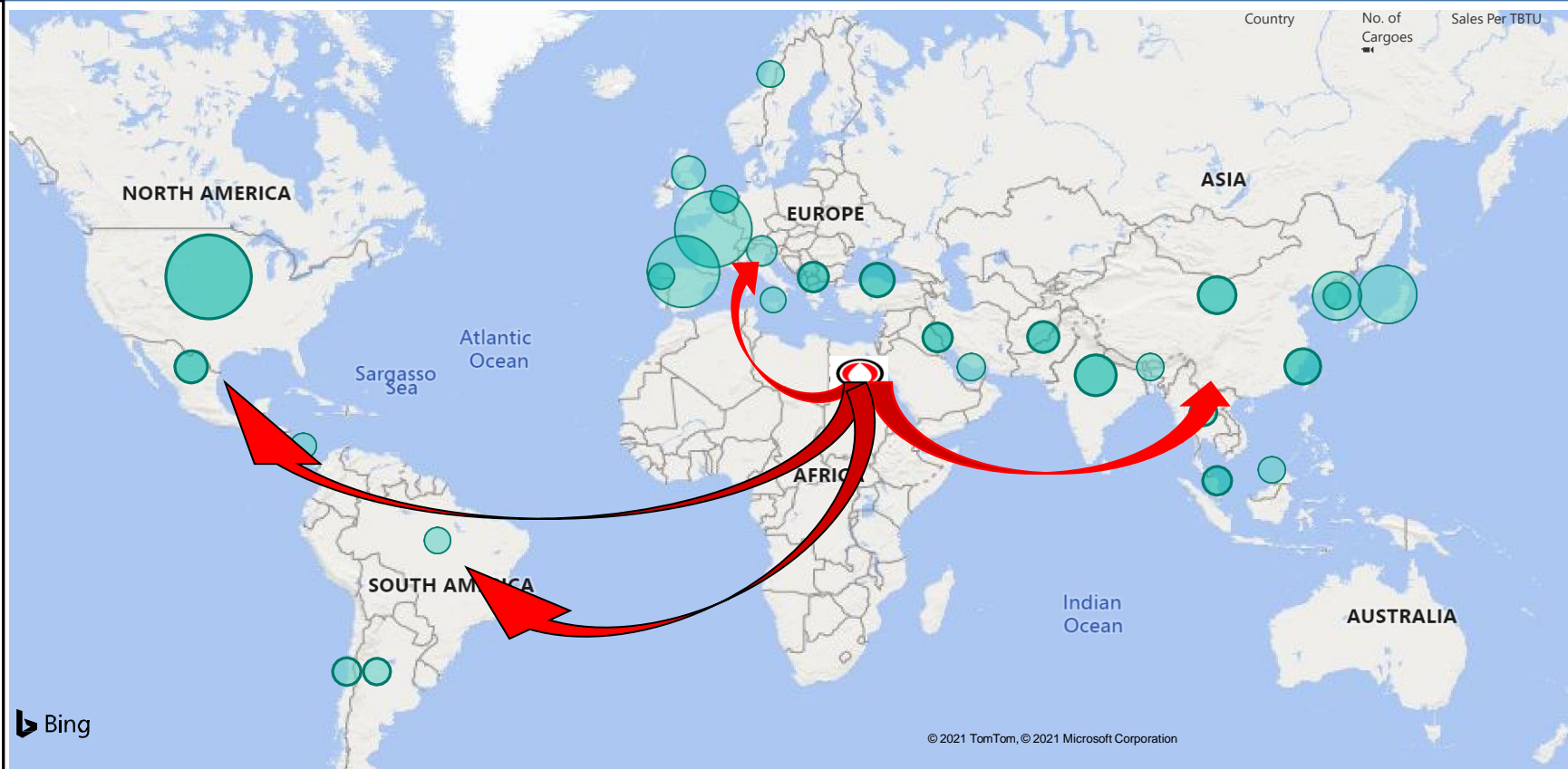
First Cargoes Delivery (29th May 2005)



Train 1 first cargo 29 May 2005 : Train 2 first cargo 15 September 2005



Argentina
Bangladesh
Belgium
Brazil
Chile
China
France
Greece
India
Italy
Japan
KOREA
Kuwait
Lithuania
Malaysia
Malta
Mexico
Norway
Pakistan
PANAMA
Portugal
Singapore
South Korea
Spain
Taiwan
Thailand
Turkey
UAE
UK
USA



940 Cargoes have delivered on 05th of May 2021 North, Central and South America, Europe, Far East and Indian sub-continent

RIAS BAIXAS KNUTSEN (Biggest LNG Tanker Visit Idku 180K M3 Capacity)

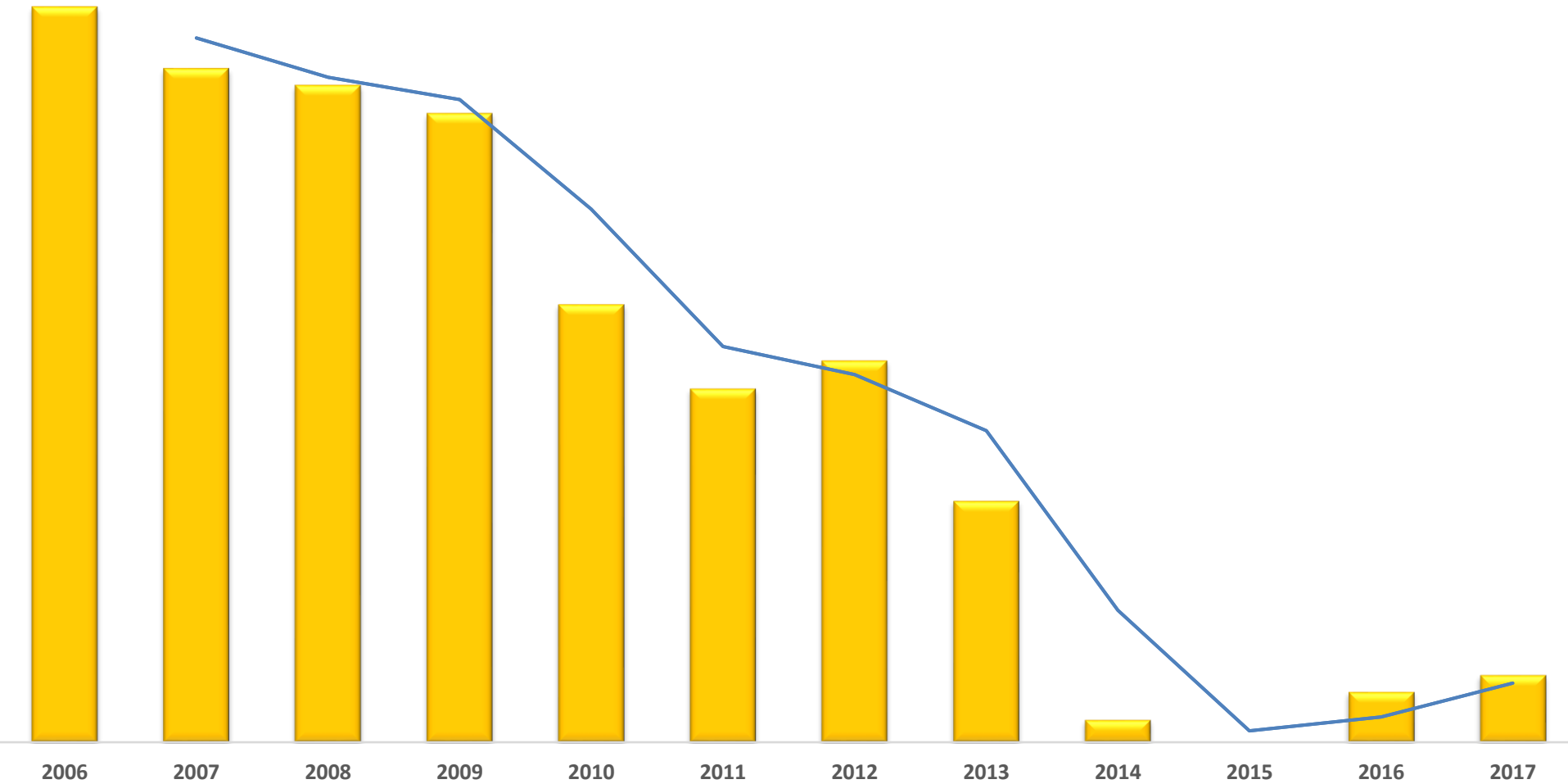
22nd Jan 2020



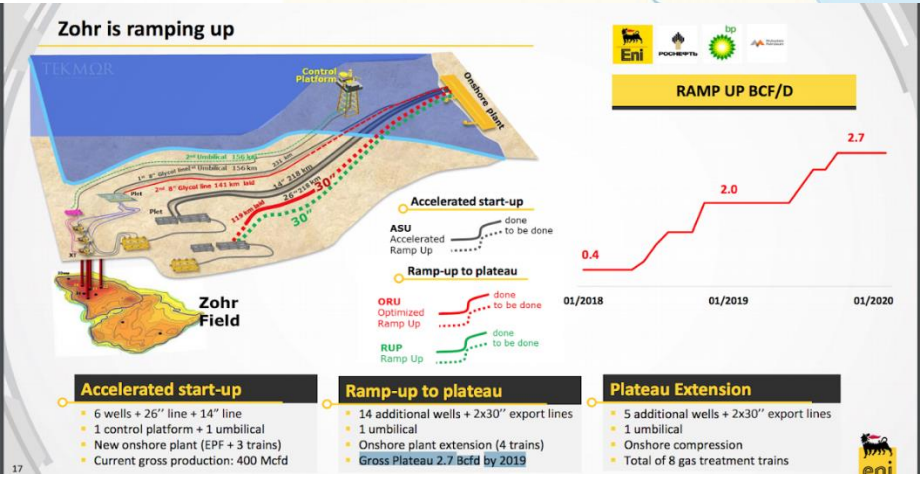
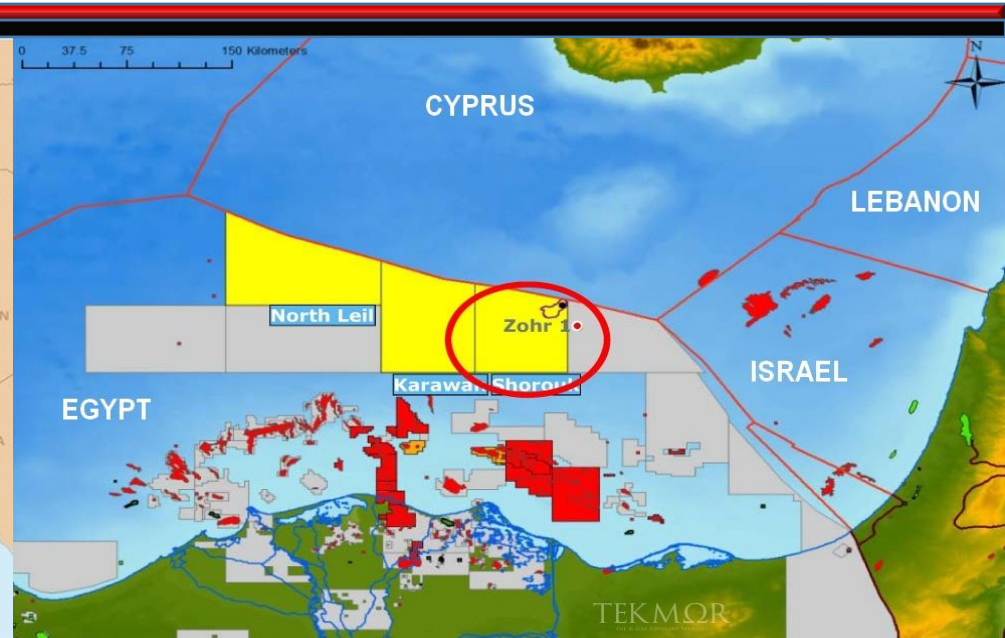
Challenges



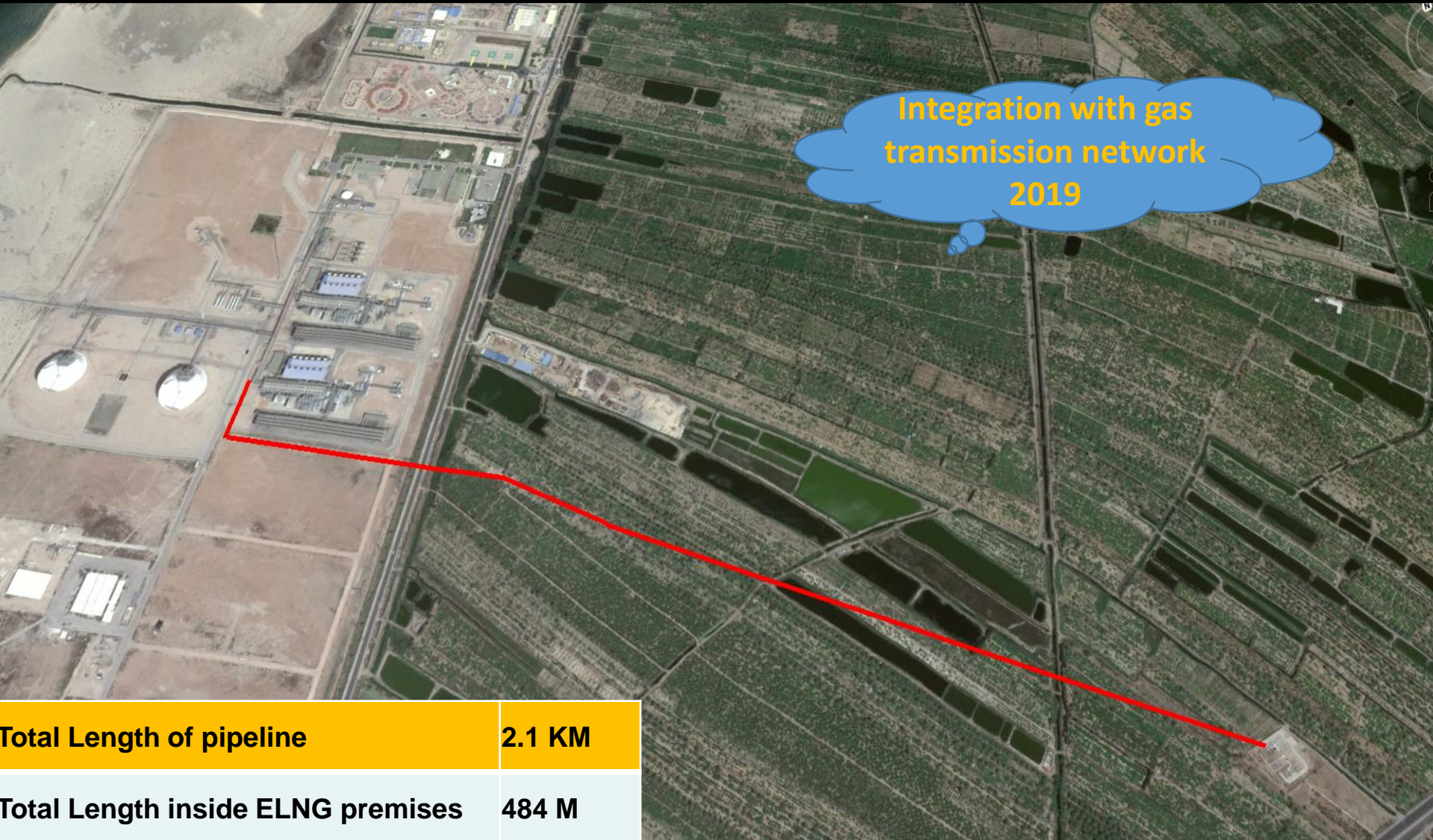
Dramatic Decline ELNG Exports due to high Grid Intake



Giant offshore Zohr Discovery (Starting of Grid Surplus Gas)



New 30" pipeline from the National Grid to ELNG

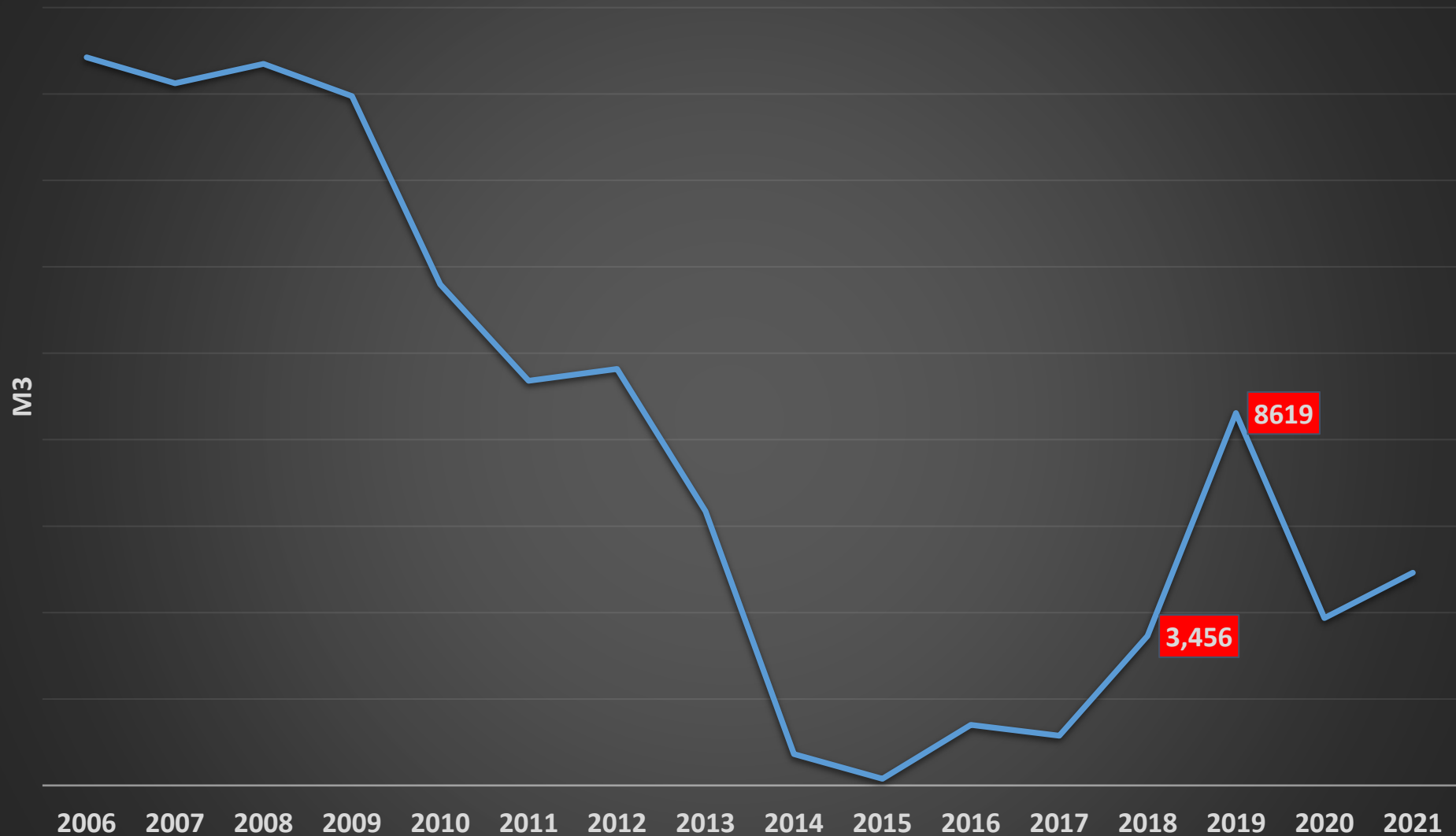


Construction of New 30" pipeline from National Grid to ELNG

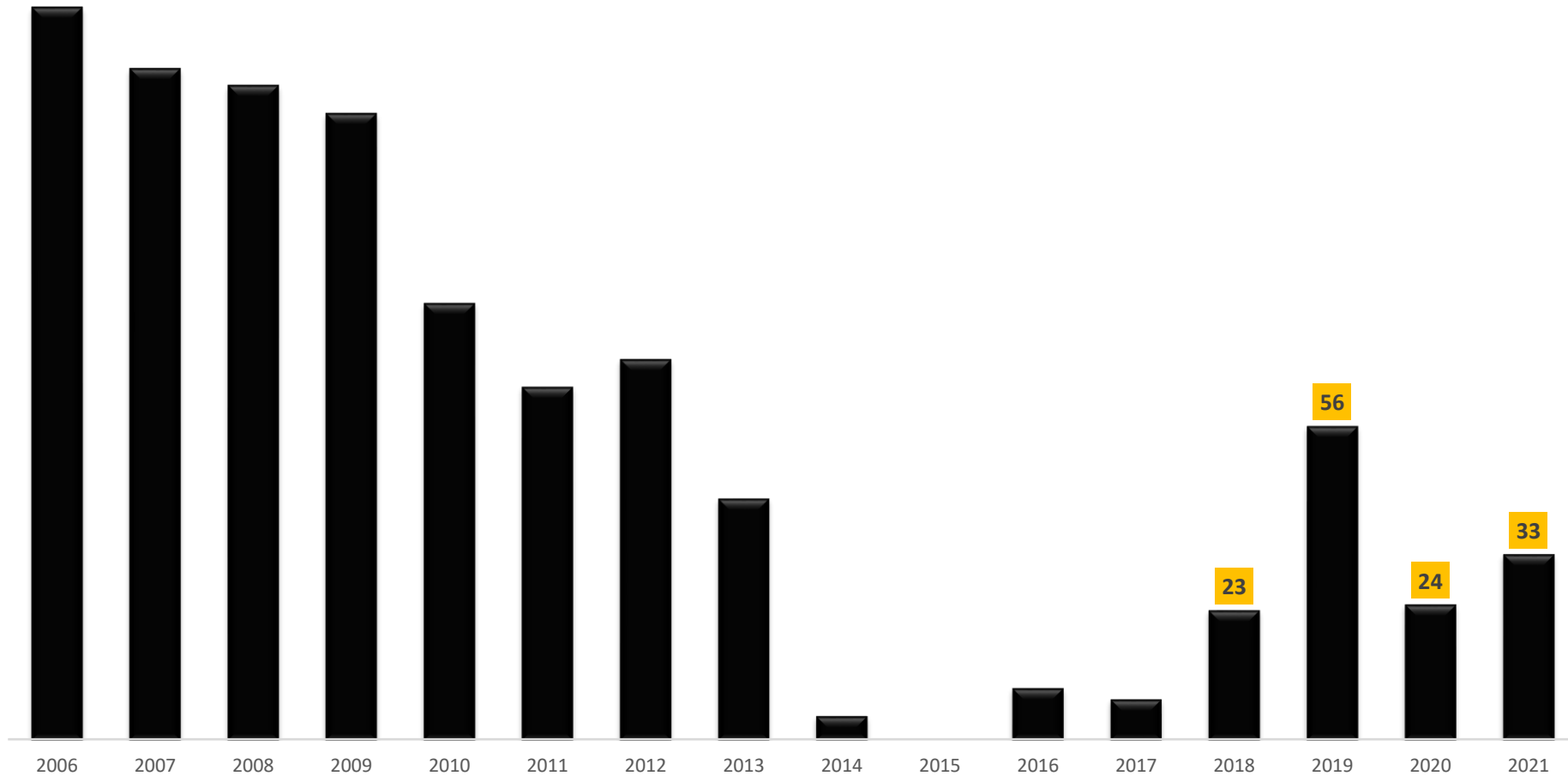


Complete the Project and Gas In 28th Feb 2019

ELNG LNG Export after the New pipeline from the National Grid to ELNG



LNG Exports to Date by years



New FOB LNG Buyer for EGAS after New Grid Line



24 Cargoes Extra to LNG Buyers

Extended ELNG value Chain



LNG Trucking Station (100 K M3/Year)



Bunker Station



LNG Bunkering Capacity	7500 M3
	20,000 M3



LNG Carrier



**THANK YOU
FOR YOUR ATTENTION!**

Hmahmoud@gasreg.org.eg
mohamed.mehany@egyptianlng.com