



**NATURAL GAS PUBLIC COMPANY (DEFA)**  
**NATURAL GAS INFRASTRUCTURE COMPANY (ETYFA)**

*The Introduction of LNG to the Republic of Cyprus*

## 4th Small-Scale LNG Summit 2021

**Dr. Symeon Kassianides**

Chairman

NATURAL GAS PUBLIC COMPANY

NATURAL GAS INFRASTRUCTURE COMPANY



**Co-financed by the European Union**

Connecting Europe Facility

# The Cyprus LNG Import Terminal Project

- Acquisition of FSRU
- Construction of the jetty for FSRU berthing and mooring equipment
- Construction of the jetty borne gas pipeline and Loading Arms
- Construction of onshore gas pipeline
- Construction of shore side above ground installation (AGI) pressure reduction and metering station (PRMS)
- Construction of pipeline storage array as a Natural Gas buffer solution

*Contractor has 24 months from commencement to deliver the Terminal.*

**EXPECTED COMPLETION**

**OCTOBER 2022**



# LNG Import Project - Tender



- EPCOM Contract Awarded to
  - ***Consortium of JV China Petroleum Pipeline Engineering Co Ltd. and METRON S.A., with Hudong-Zhonghua Shipbuilding Co. Ltd and Wilhelmsen Ship Management Limited.***
- Owner's Engineers Contract Awarded to
  - ***Consortium of Hill International N.V., Bureau Veritas Solutions Marine & Offshore with TRACTEBEL and GAZOCEAN.***
- Insurance Advisor Awarded to
  - ***AON UK Limited***

# LNG Import Terminal Summary Project Financials

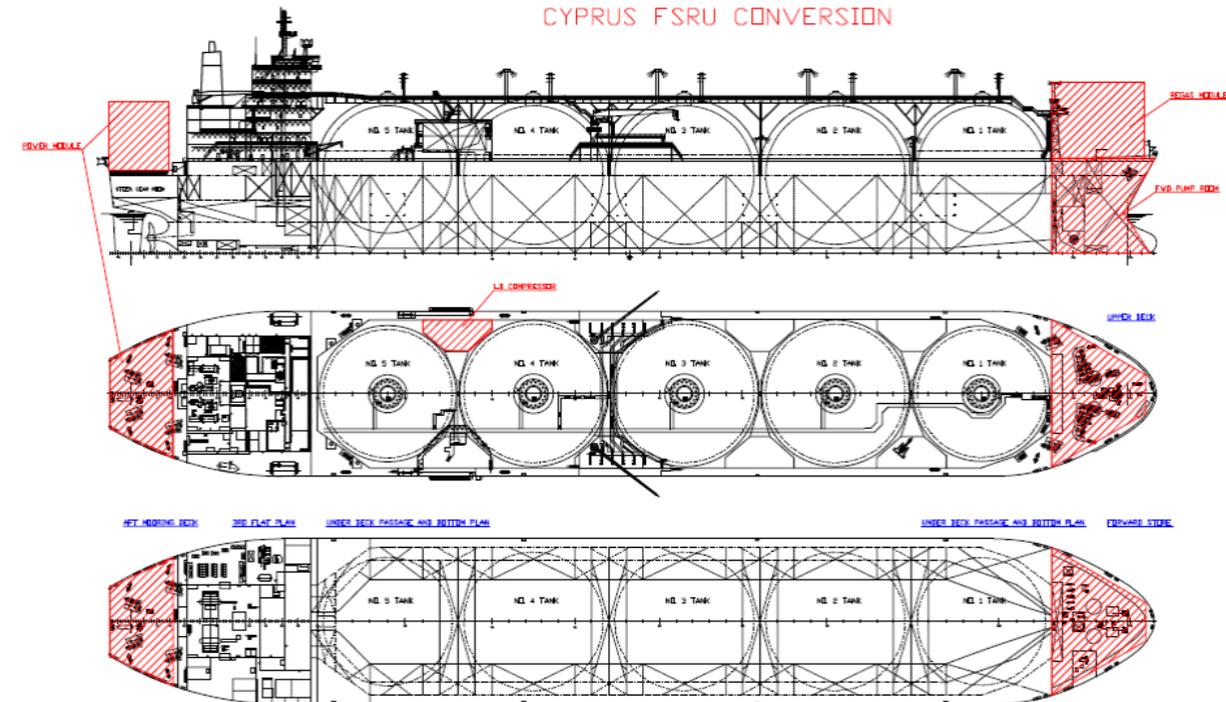
- Secured **CEF Energy Grant** of 40% of CAPEX with a maximum of **€101m**.
- Finalised DEFA-EAC Shareholders Agreement for Project's SPV (ETYFA)
  - EAC's **equity contribution €43m**.
- Credit Financing:
  - **European Investment Bank**
    - Secured **€150m loan** (20 years duration with favourable terms)
  - **European Bank of Reconstruction and Development**
    - Secured an **€80m** line of credit (similar duration and terms as EIB).

**Project has €374m available funding**



# VESSEL DESCRIPTION AND CONVERSION WORKS:

- Year and Place of Build: 2002, NSMW – Mitsubishi Heavy Industries
- Classification Society Lloyds Register
- Containment System: Moss Rosenberg (spherical tanks)
- 5 Tanks with overall LNG storage capacity of 136,141 m<sup>3</sup> (at normal filling level)
- Dimensions: Overall Length 290m, Breadth moulded 46m, Depth moulded 25.5m
- Propulsion: Steam, Dual Fuel
- Redundancy Philosophy on Equipment: N+1
- Power Generation: DFDE Gen Sets will be installed
- BOG Handling: GCU Installation and BOG Compressor



# REGAS AND TERMINAL CAPACITY

- After conversion from LNGC to FSRU the vessel will be equipped with a state-of-the-art regasification modular unit delivered by Wärtsilä.
- The Terminal will be capable of receiving LNG from LNG carriers ranging in size from 120,000m<sup>3</sup> to 217,000m<sup>3</sup> (Q-FLEX)



# SITE ESTABLISHMENT – PHOSPHOGYPSUM LAGOON REMEDIATION WORKS (2019-2020)



# ETYFA PROMETHEAS



# DEFA Activities

- **LNG Supply Procurement Process**
  - 2 Stage Process: Expression of Interest (prequalification) Evaluation completing this month
  - Cyprus' LNG Demand will be allotted between SPA and MSAs
    - SPA will cover base load Quantities
    - MSAs will be used for supplementary cargos
- **Open Season Process**
  - Determination of Major End Users, NG Quantities per buyer and Spatial Allocation
  - 3 current licensed IPPs
- **NG Pipeline Network Development**
  - Preliminary Design and Feasibility Study Completed
  - Phase A' – Power Generation supply and development of backbone transmission network
- **Other NG Consuming Markets**
  - Bunkering
  - Industry
  - Road Transport
  - Off Grid Stations

# *The Introduction of LNG to the Republic of Cyprus*

## Cyprus' LNG Import Terminal: A Project of Common Interest

- Multiple benefits to the Republic of Cyprus
  - Ends Energy Isolation
  - Diversification of Energy Sources
  - Strengthening of Security of Supply
  - Reduction of cost of Energy (with consequential multi-layered benefits)
  - Major Environmental positive impact
  
- An EU PCI that enhances regional cooperation

# Thank you!

Dr. Symeon Kassianides

Chairman

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