

# **Liquified Natural Gas Import (LNGI)**

**AL-ZOUR** 

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KIPIC was established on 18th October 2016 as a new Subsidiary to Kuwait Petroleum Corporation (KPC).



#### **KIPIC MISSION**

"To manufacture refined petroleum and petrochemical products and supply LNG in a reliable, efficient, safe and environmentally responsible manner to meet Kuwait's energy demand, maximize profit through integration, develop a professional and competent workforce, and enable the development of the local economy".



#### **KIPIC VISION**

"To be a **leader** in **integrated refining** and **petrochemical** operations and **LNG** supply that maximizes shareholder **value**, achieves operational **excellence**, unlocks the potential of our **people** and cares for the **community**".

#### **OUR VALUES**



Pride

Creating employee satisfaction on an individual level and promoting a sense of loyalty and belonging to KPC



**Innovation** 

new ideas, methods, and approaches to solving challenges that create value



**Integrity** 

Acting in a trustworthy manner with the highest standards of ethics, respect and honesty



**One Team** 

Caring for the interests of KPC and ensuring alignment to achieve corporate and state goals



**Excellence** 

Encouraging strong performance, continuous improvement and a customer focus



**Caring for People** 

Creating a culture where people develop and grow, and are positively motivated to contribute to the success of others



**Partnership** 

Building and sustaining relationships that support growth and enhance operational excellence



**Commitment to HSSE** 

Respecting the environment and ensuring safety, security and the promotion of a healthy workplace wherever KPC operates



"It is an honor and privilege to address the KIPIC Family and the Families of Local Communities. KIPIC LNGI Operation Group has made significant progress and achieved many milestones. Behind these success, our guiding principle has always been to adhere to the core value of the Kuwaiti

Culture of sharing the success. The progress of Oil and Gas Industry is the success of our Beloved Country Kuwait and its great people. It gives LNGI Operation Group and myself, the pride and the utmost pleasure, in fulfilling the obligation of sharing this success with our communities. Therefore.



LNGI Operation Group is releasing this flyer, which will be issued frequently, to give you the most up to date and most important highlights of the KIPIC LNGI Terminal.".



Best regards, **Mohammed Fahad Al-Otaibi**Manager Operations (LNGI-Al ZOUR)



### **Giving back to the Environment**

#### What is LNG?

- Cryogenic liquid at -162 degree Celsius at atmospheric pressure.
- Primarily composed of Methane, having less density than Air.
- Odorless, colorless, noncorrosive, nonflammable and nontoxic.

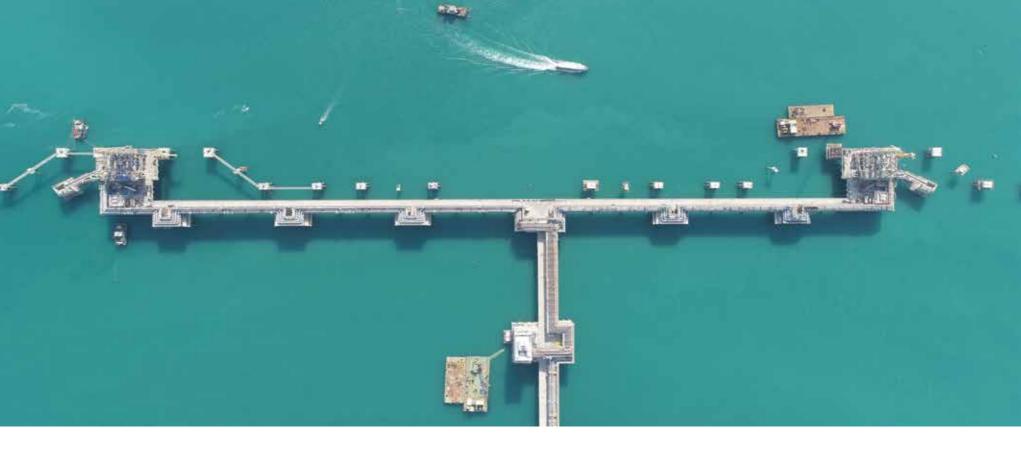
**66**Less Carbon dioxide

for a residue emission when a spill occurs

66 No chance 66 Environment friendly

**66** No Sulfur dioxide emission





### THE WAY AHEAD FOR LNG

- Because of the large volumes of Natural Gas (NG), it is not practical to store or transport NG, as a gas, near atmospheric pressure.
- However, when liquefied, LNG can be stored in a volume 1/600<sup>th</sup> of the NG.
- This reduction in volume makes LNG cost efficient for marine transport over long distances.

### KUWAIT LNGI TERMINAL AMONG OTHERS

- KIPIC is building the first and permanent LNG Import Terminal in Kuwait.
- Kuwait LNGI Terminal is considered the world's largest terminal of LNG storage and regasification capacities, as single scale project.



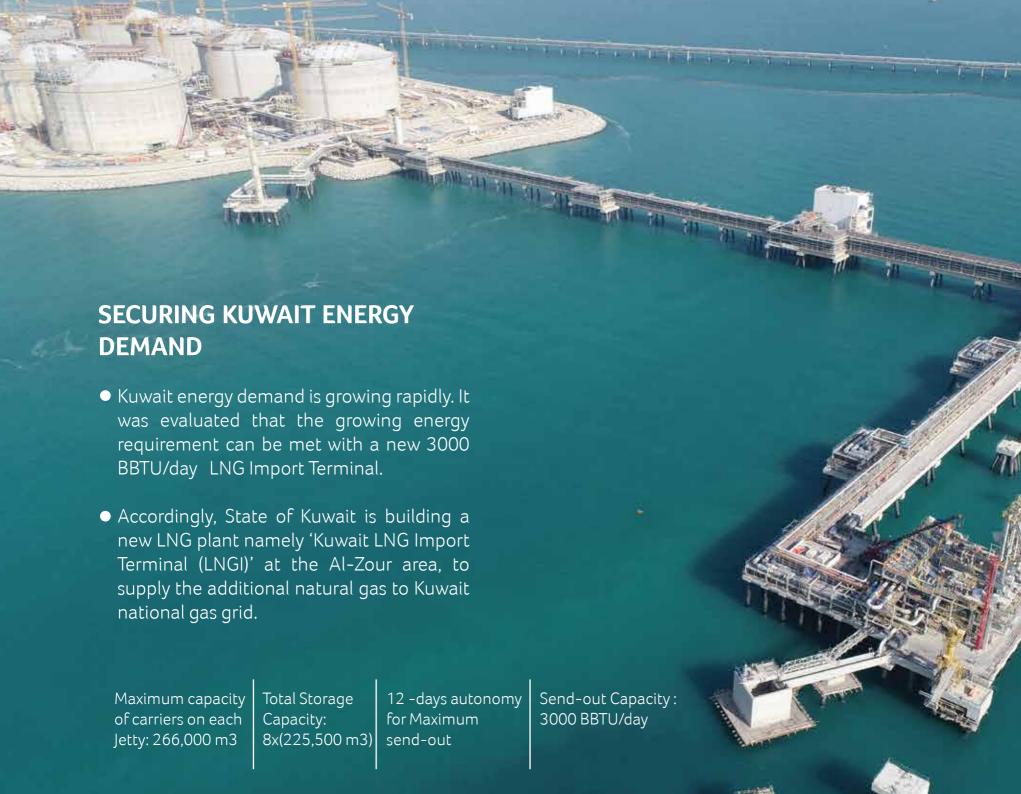
### GLIMPSE OF KUWAIT LNGI TERMINAL

- LNGI is located approximately 90 Kilometers south of Kuwait City, adjacent to the Al-Zour North Power Plant.
- Due to the safety requirements, the LNG storage and process areas are built on an offshore reclaimed island.
- LNGI Terminal receives, stores, and vaporizes Liquified Natural Gas (LNG) coming from cargo ships and send it as Natural gas (NG) to the existing national gas network at the required conditions.
- KIPIC has full ownership of the terminal that will be fully commissioned in 2021.



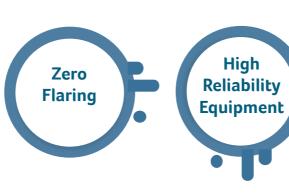
### MOVING FORWARD TO ENERGIZE KUWAIT

- LNGI Terminal is designed to meet send-out requirements (minimum, intermediate, and maximum), at different (unloading and loading) scenarios with the flexibility of handling different compositions of LNG.
- LNGI terminal has the flexibility to maintain the send-out Natural Gas to MEW power station and Exporting LNG at the same time.





STRIVING TOGETHER, TO BE PIONEER OF THE LNG INDUSTRY









## Making More Possible

By Caring For The People

• In KIPIC, Employees are the most important asset. They are the most essential resource to manage businesses and promote value creation.

- The terminal once completed will offer promising job opportunities for Kuwaiti national employees.
- KIPIC commits to the development of people and contributes to the development of the local economy.



### AL-ZOUR LNGI TERMINAL'S CUSTOMERS

### KOC | MAB | Al Zour

- LNG after being vaporized to Natural Gas via the vaporization system, it is then delivered via the NG network to two different consumers, KOC (MEW's power plants), and Mina Abdullah (MAB) to Al ZOUR Refineries.
- LNGI terminal will be connected to the Kuwait power plant's gas grid, with 2 X 52" diameter onshore buried gas pipelines, and to the MAB and ZOR Refineries by a 1 X 40" diameter onshore buried gas pipeline.
- Metering stations will be provided before the NG being sent to customers to record and measure the quantities and qualities of NG.





