



Energizing Kuwait

Liquefied Natural Gas Import (LNGI)

AL-ZOUR



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

Developing and embracing 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-AI 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.

“Less
Carbon
dioxide
emission

“No chance
for a
residue
when a spill
occurs

“Environment
friendly

“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 1/600th 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 Liquefied 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.



SECURING KUWAIT ENERGY DEMAND

- Kuwait energy demand is growing rapidly. It was evaluated that the growing energy requirement can be met with a new 3000 BBTU/day LNG Import Terminal.
- Accordingly, State of Kuwait is building a new LNG plant namely 'Kuwait LNG Import Terminal (LNGI)' at the Al-Zour area, to supply the additional natural gas to Kuwait national gas grid.

Maximum capacity of carriers on each Jetty: 266,000 m3

Total Storage Capacity: 8x(225,500 m3)

12 -days autonomy for Maximum send-out

Send-out Capacity : 3000 BBTU/day



**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 | AlZour

- 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.



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