
Become a Global Player **In the LNG Business**

**Northeast Asia LNG
Hub Terminal Inc .
동북아엘엔지허브터미널 (주)**

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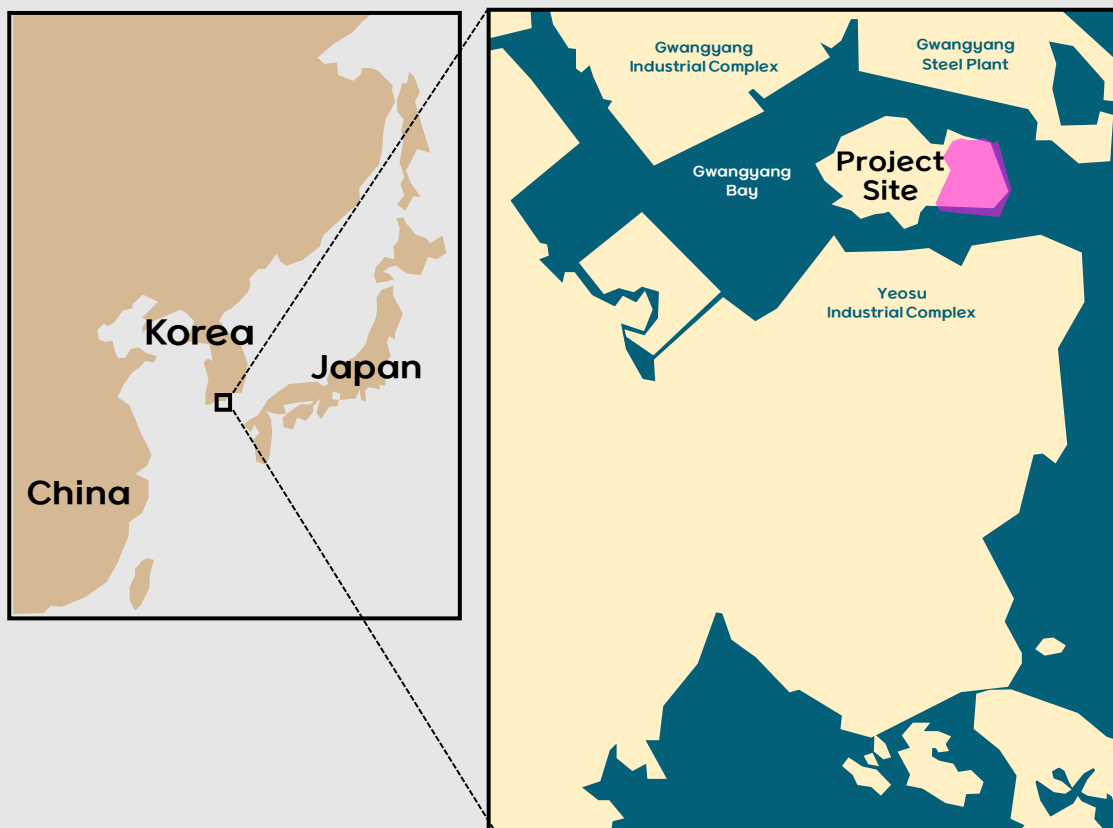
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Center of Northeast Asia LNG Trading, and
LNG Storage Facilities

Northeast Asia LNG Hub Terminal (NEA)



Location

Myodo, Yeosu (Southern part of Korea)

Site

650,000 m²

Facilities (Phase 1)

LNG Tank (200,000kl) 4 units, Re-gas Facilities / Send-out Facilities / Berth / Jetty 100,000 DWT
※ Max 13 LNG Tanks

Total Investment (Phase 1)

Total : USD 1.5 Billion

LNG Terminal COD(Phase 1)

Dec. 2027

※ Schedule, Site and Investment are subject to change

Expanding Business Area
from Eco-Friendly Construction to Energy for People and Nature

BOSUNG GROUP

Bosung Group, with its subsidiary such as Hanyang, Bosung Corporation and etc, is a total EPC provider and has selected energy business as a new growth engine in 2015. Hanyang, main subsidiary of Bosung Group, is focusing on renewables / LNG business for the Group's vision : "Becoming 2030 Energy Leading Company"

Construction

Leading player in construction business



Green & Blue Energy

Transformation toward future energy



Leading Player
in Construction Business

Hanyang will also be a leader
in energy and house development business



Infinite Renewables
from Nature

Clean energy vision
for people and the Earth



LNG Trading Center
in Northeast Asia

Paving the new way for energy business
in Northeast Asia



Myodo Carbon Neutral Energy
Cluster for Carbon Net Zero

Securing new economic growth engine
by achieving carbon neutrality

Hanyang Introduction

LNG Business Track Records

Current Status

15 LNG Tank

KOGAS LNG Tank construction record:
 Pyeongtaek(7)
 Incheon(4)
 Tongyeong(1)
 Samcheok(3)

450 Km

Total pipeline grid constructed in Korea (KOGAS)

270k kl

Korea's largest LNG Tank constructed:
 Samcheok LNG (KOGAS, 2017)

360 t/h

Total Re-gas capacity (KOGAS) constructed

1983

Korea's first LNG Tank constructed:
 Pyeongtaek LNG (KOGAS)

[Pyeongtaek LNG TML]



[Samcheok LNG TML]



[Incheon LNG TML]



[Tongyeong LNG TML]



Transformation

Diversifying from Construction to Energy



Business Concept

First Commercial LNG Terminal in Korea

Sourcing

- Long-Term Contract
 - Spot Procurement
 - E&P
-
- LNG/LPG/Ammonia /Hydrogen Player

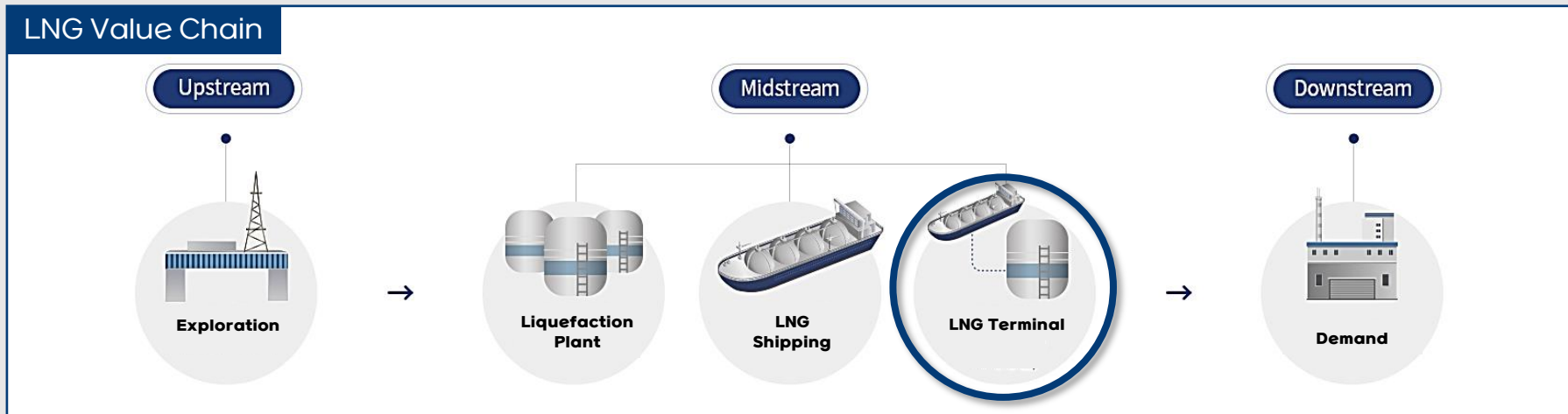
Tank-Terminal

- Lease & Re-gas / Reloading
- LNG Trading
- Cold Energy Monetization

Demand

- LNG Power Plant
- Industrial Complex
- Fuel Cell Power Plant
- Hydrogen Production
- LNG Bunkering
- Reloading/Trading, etc.

LNG Value Chain



Competitiveness

Optimal Site with High Business Potential

Myodo is located at the center of Japan, Korea and China , the largest LNG market, and has abundant LNG demands within Yeosu and Gwangyang Complex. With such potential, NEA is expected to expand its business to Hydrogen, LNG Bunkering, Trading, Cold Energy and etc. with Max 13 LNG Tanks

Geographic Advantage

As a center of NE Asia, it has advantages with LNG businesses such as LNG trading, small-scale LNG, bunkering and LNG direct import

Sea-Crossing Pipe rack

Shortest to Yeosu Complex (1.3 km)
Target completion date: Dec. 2027



Abundant Demands

Industrial / Power demand in Yeosu Complex
Coal-to-Gas Transition

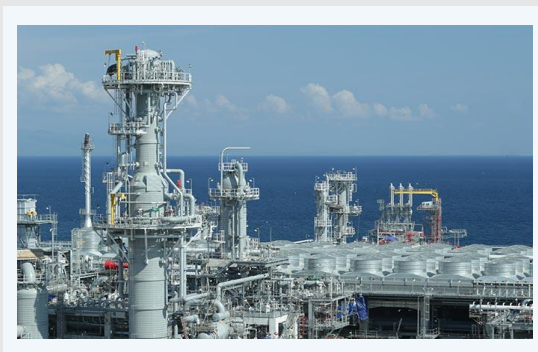
Site Expandability

Max 13 LNG Tanks available
Optimal location for power plants in Myodo

Main Customers

Categories of Main Customers

Direct Importer



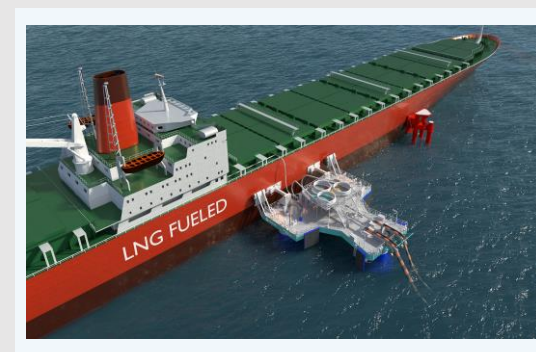
‘Direct importer for its own consumption’ means any entity who directly imports natural gas for its own consumption for purposes prescribed by Presidential Decree

LNG Reloading

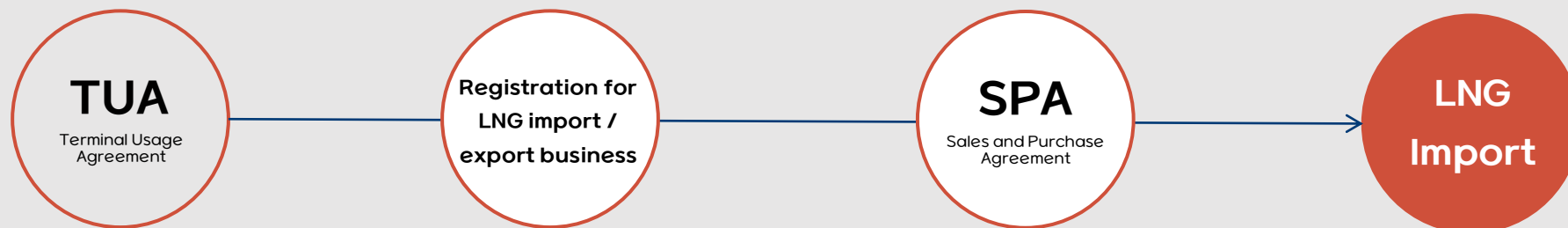


‘LNG Reloading’ means business of carrying in or out LNG with LNG storage tank

LNG Bunkering

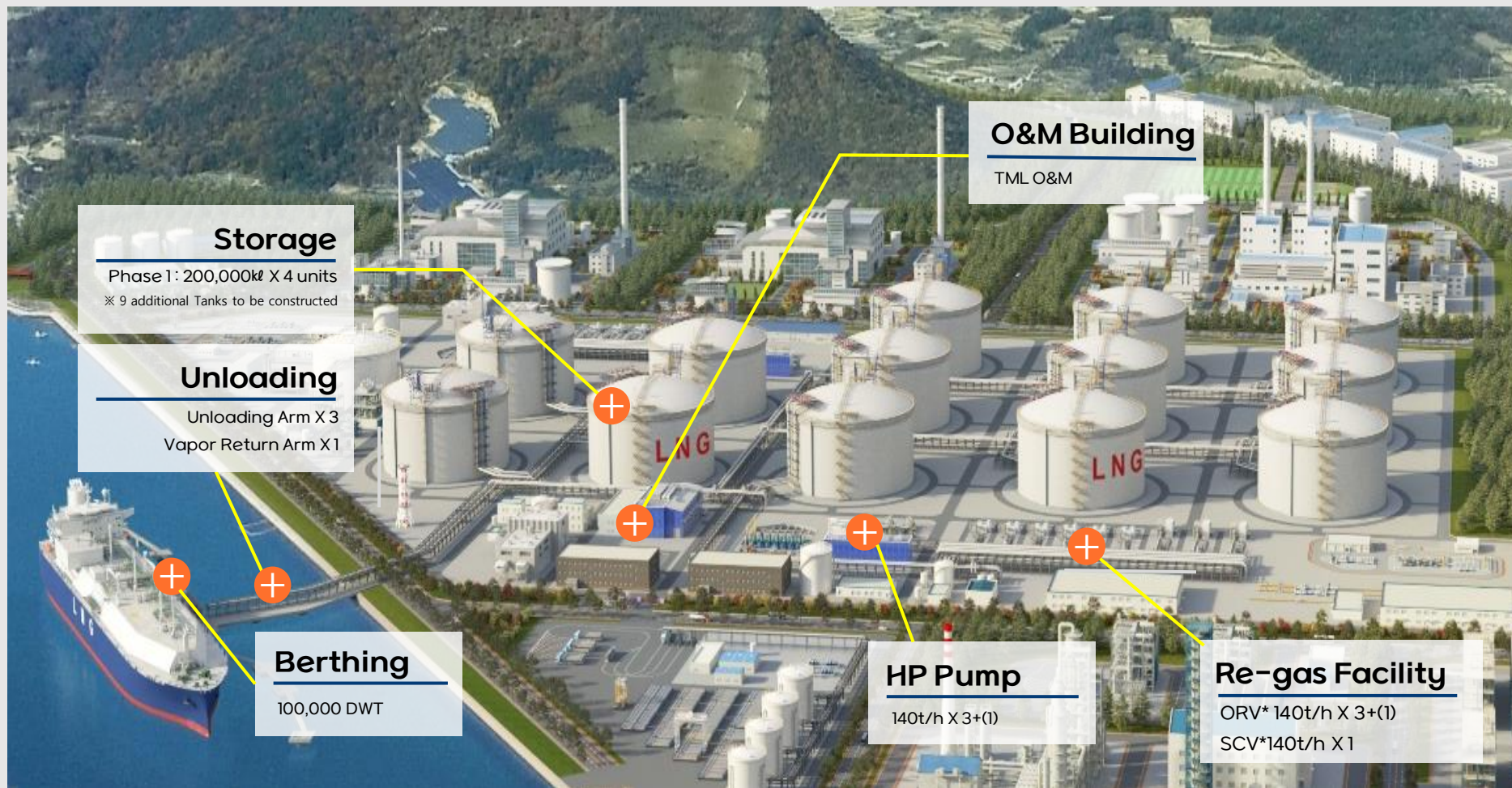


‘LNG Bunkering’ means the use of for LNG-fueled vessel.



Main Facilities

Phase 1. Main Facilities



Storage
Phase 1 : 200,000kl X 4 units
※ 9 additional Tanks to be constructed

Unloading
Unloading Arm X 3
Vapor Return Arm X 1

Berthing
100,000 DWT

O&M Building
TML O&M

HP Pump
140t/h X 3+(1)

Re-gas Facility
ORV* 140t/h X 3+(1)
SCV*140t/h X 1

* ORV: Open Rack Vaporizer & SRV: Submerged Combustion Vaporizer

Myodo Sea-Crossing Pipe Rack

Eco-friendly Energy Silk Road: Myodo Sea-Crossing Pipe Rack



Construction Status

Phase 1 Construction Site (Status)

Site View



TK-201 Ground Reinforcement Piping



NEA Phase 1-1 (#1,2)



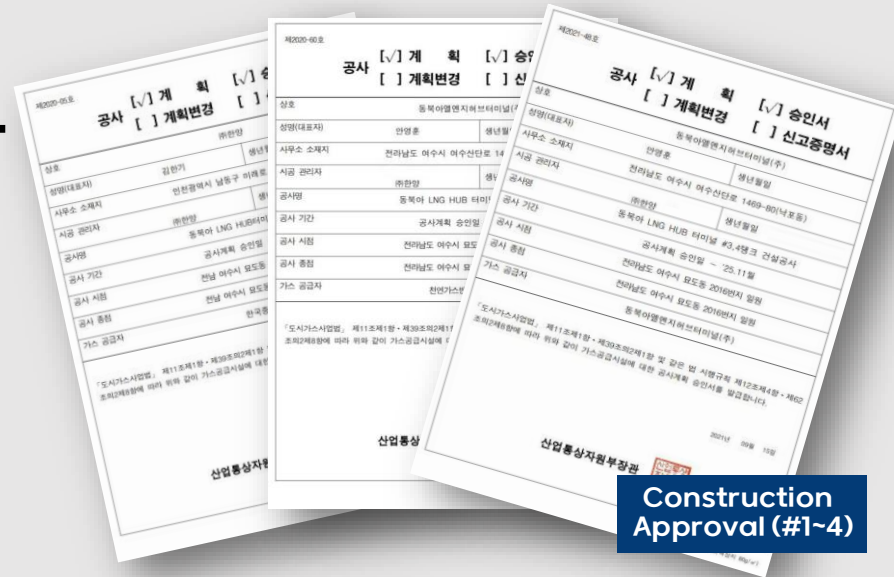
TK-202 Bottom Concrete Reinforcement



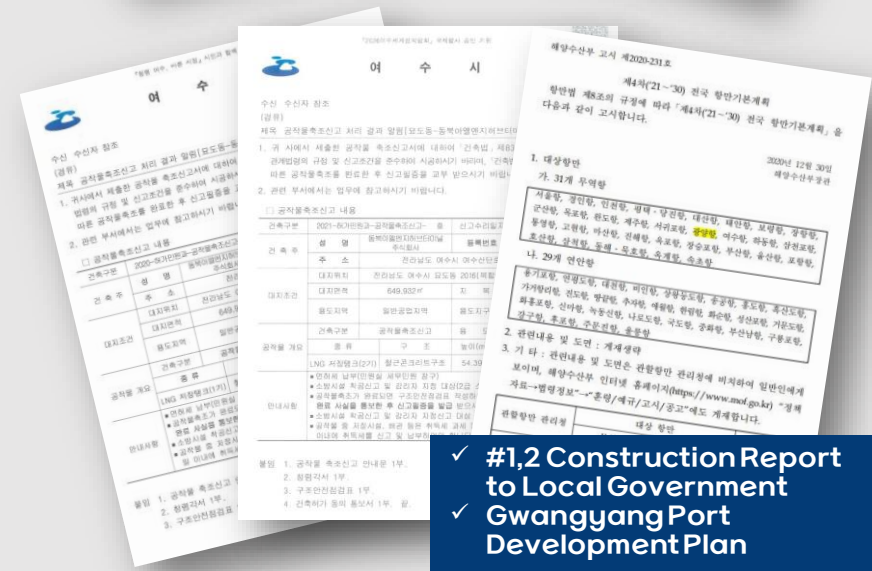
Milestones

History of NEA LNG Hub TML

- 2016.04 LNG Dept Established
- 2019.11 Technical Review (#1,2 Tank)
- 2020.03 #1 Tank Construction Approval NEA Established
- 2020.08 Hanyang - NEA Business Transfer
- 2020.09 Technical Review (#3,4) Land Sales and Purchase Agreement (650,000 m²)
- 2020.10 #1 Tank Construction Report to Local Government
- 2020.12 #2 Tank Construction Approval NEA Port added in Gwang-yang Port Development Plan
- 2021.01 #2 Tank Construction Report to Local Government
- 2021.09 #3,4 Construction Approval
- 2022.12 Total Investment Decision
- 2022.12 Approval of Implementation Plans for Port Development
- 2027.12 LNG Terminal COD (Phase1)



Construction Approval (#1~4)



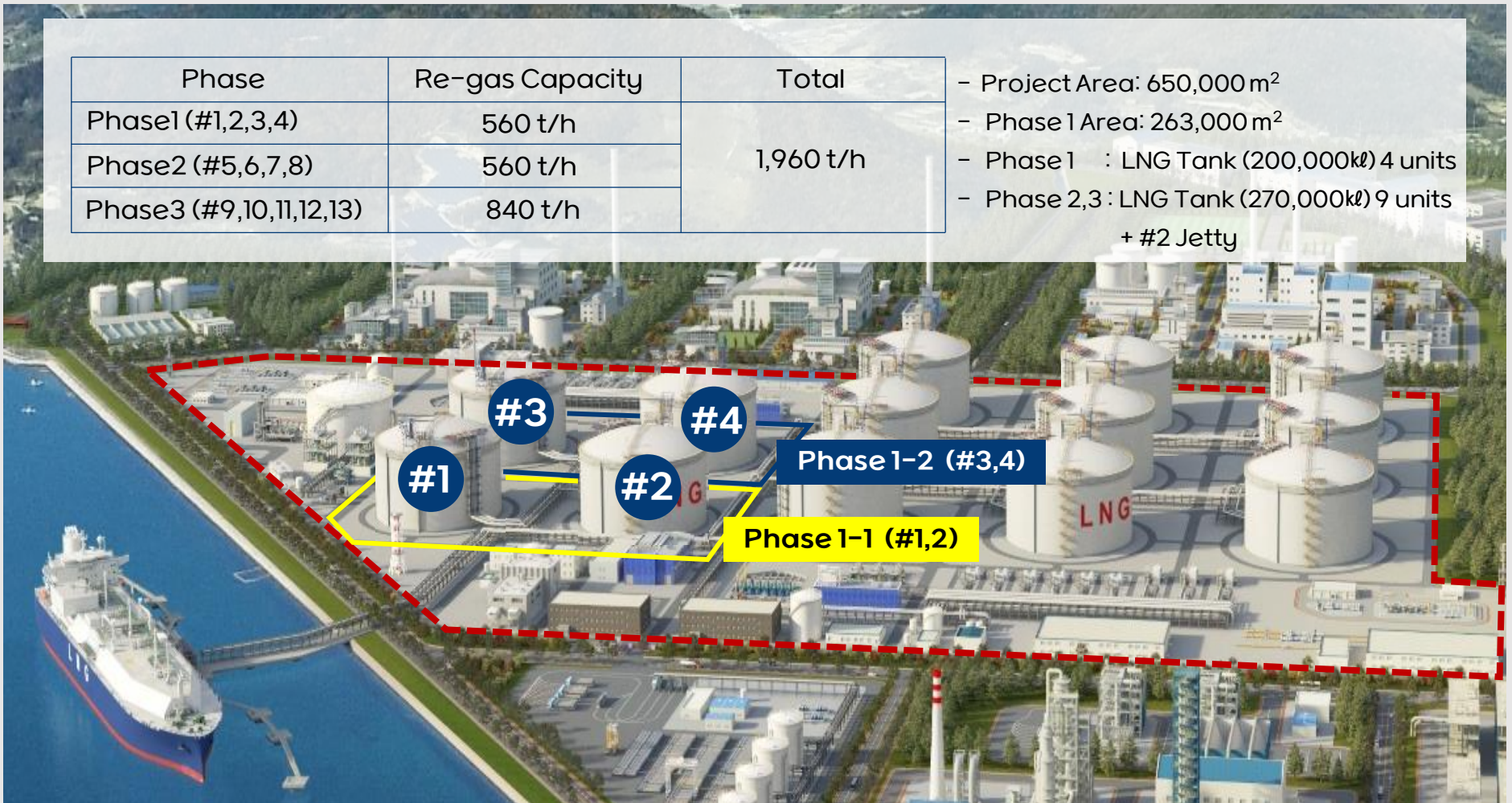
✓ #1,2 Construction Report to Local Government
 ✓ Gwangyang Port Development Plan

Expansion

Construction Plan

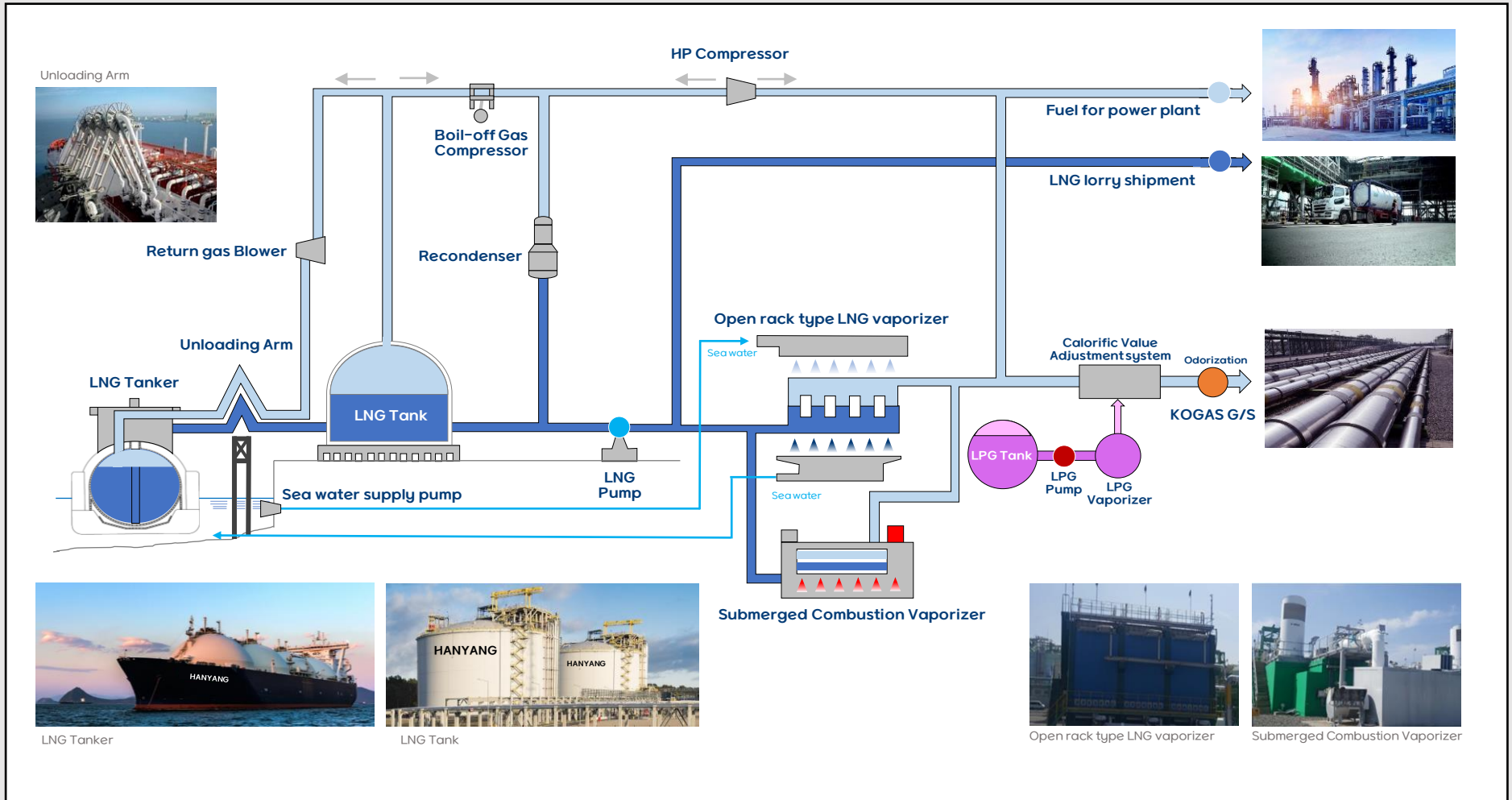
Phase	Re-gas Capacity	Total
Phase1 (#1,2,3,4)	560 t/h	1,960 t/h
Phase2 (#5,6,7,8)	560 t/h	
Phase3 (#9,10,11,12,13)	840 t/h	

- Project Area: 650,000 m²
- Phase 1 Area: 263,000 m²
- Phase 1 : LNG Tank (200,000kl) 4 units
- Phase 2,3 : LNG Tank (270,000kl) 9 units
+ #2 Jetty



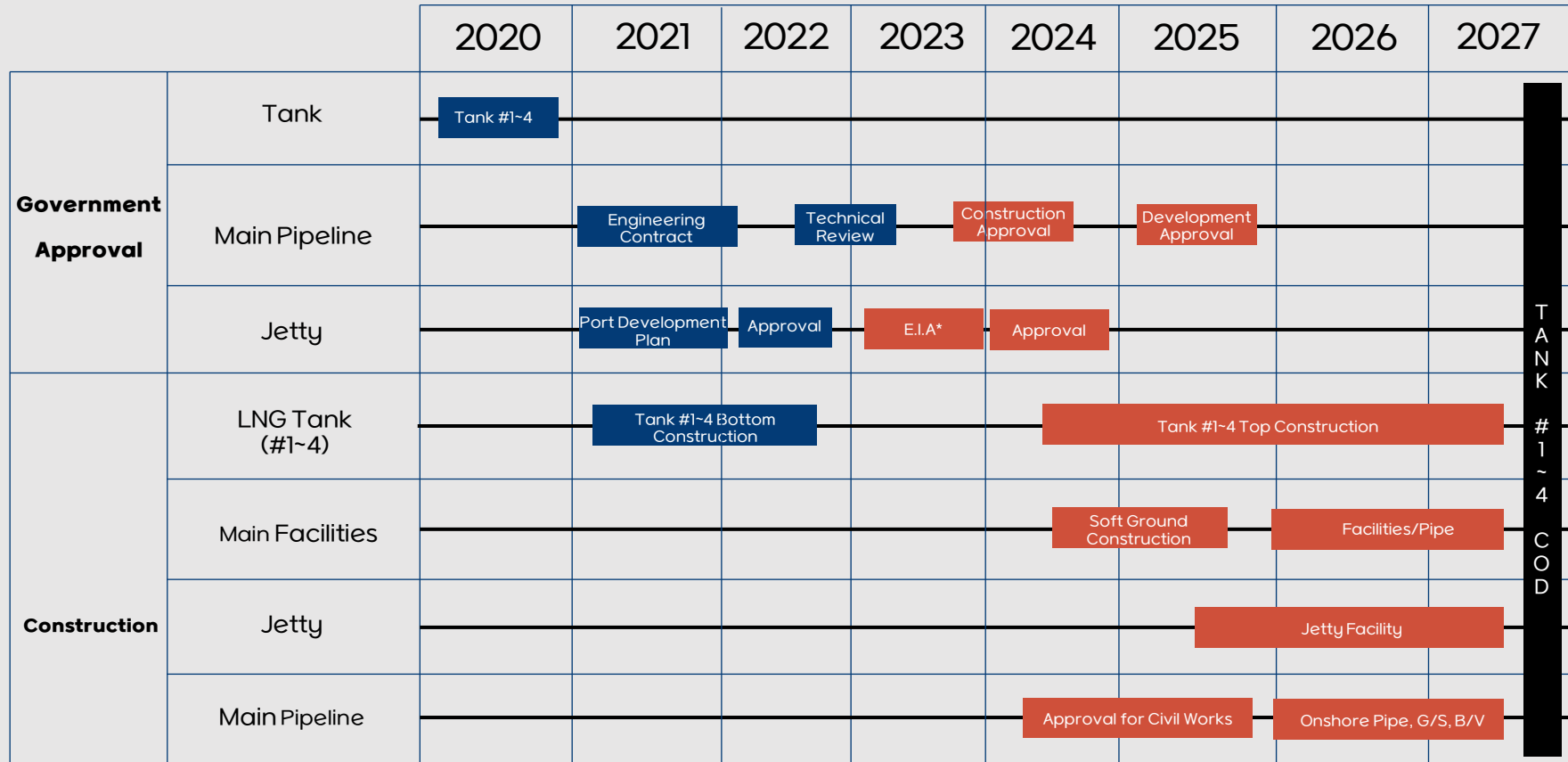
LNG TML Process Flow

Process Flow Overview



Master Schedule

Construction Schedule



* E.I.A: Environmental Impact Assessment

Vision : Myodo Echo Energy Hub

Myodo Echo Energy Hub Overview



- | | |
|-----------------------------------|--------------------------|
| ① LNG Hub Terminal | ⑥ Sea-Crossing Pipe Rack |
| ② NH ₃ Terminal | ⑦ ISO Tank Terminal |
| ③ H ₂ Terminal | ⑧ LNG Bunkering |
| ④ CCUS Terminal | ⑨ Data Center Park |
| ⑤ LNG/ H ₂ Power Plant | ⑩ Cold Energy Complex |

Vision : Myodo Echo Energy Hub Main Business Plan

Main Clusters in Myodo Echo Energy Hub

LNG Cluster

- LNG Hub Terminal
- Phase 1: 4 Tank (200,000kl x 4 Tanks)
- Additional Tanks to be Constructed



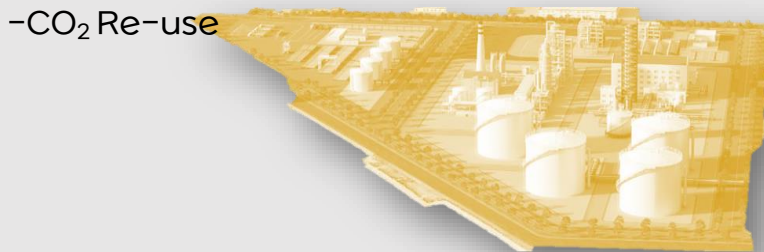
H₂ / NH₃ Cluster

- Blue H₂ via LNG Reforming (w/CCS)
- Green NH₃ Import/Storage/Send-out
- Green H₂ Import/Storage/Send-out



CCUS Cluster

- CO₂ Capturing/ Condensing by companies in Yeosu Industrial Complex
- CO₂ Liquefaction/Exportation
- CO₂ Re-use



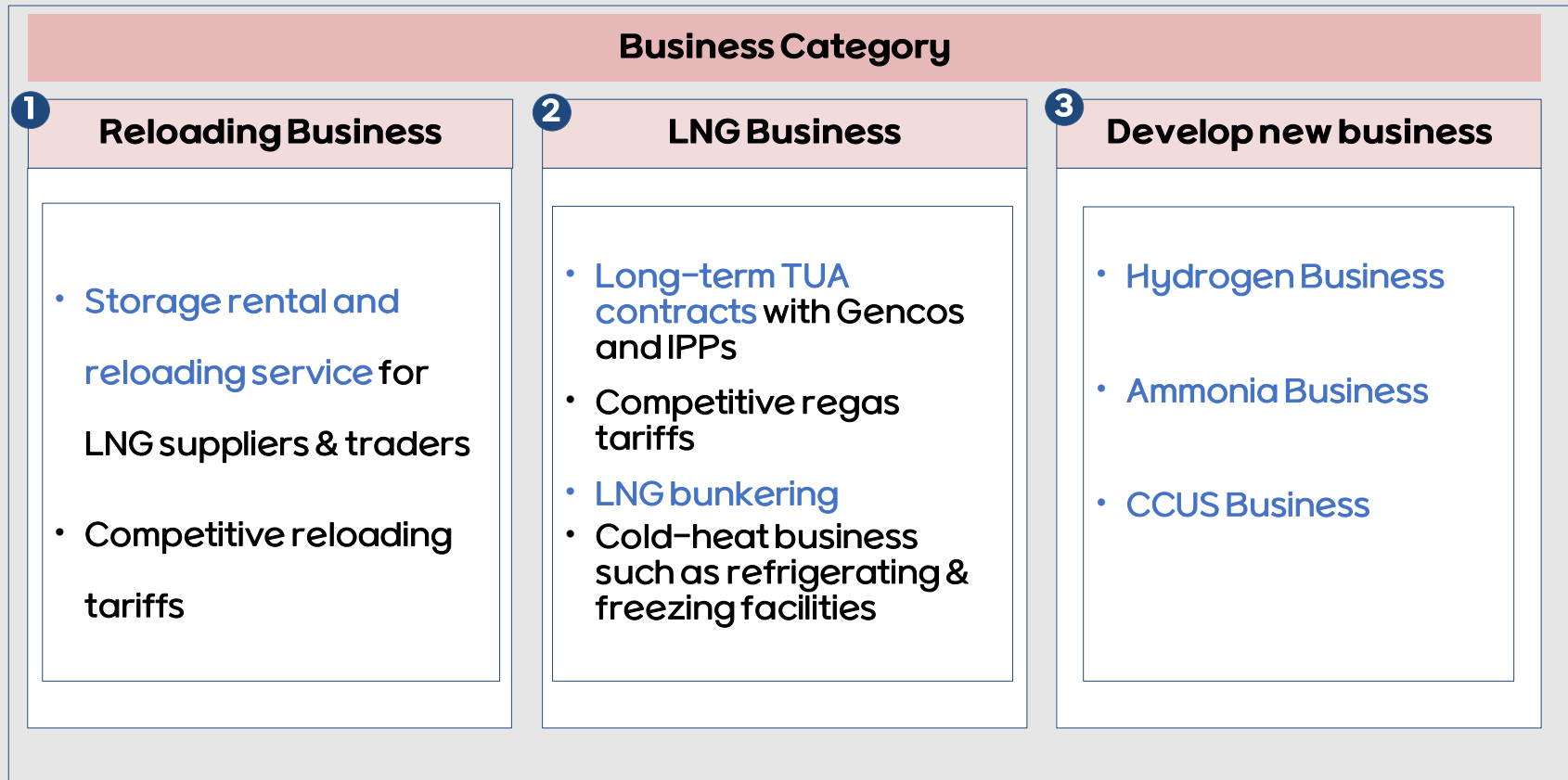
LNG/ H₂ Power Plant Cluster

- LNG : IWEST Yeosu CCPP, Myodo CHP(H₂ Mixed)
- Fuel cell : Blue/Green H₂



Partnership proposal

Invest in LNG business & Carbon Neutral Business



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Northeast Asia LNG Hub Terminal Inc .

동북아엘엔지허브터미널 (주)

**Northeast Asia LNG Hub Terminal Inc.
PROFILE REPORT 2023**

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