

LNG Offshore Liquefaction Platform Presentation

*For Starborn Energy Bontang Pte Ltd
June 2025*



01

LNG Liquefaction Vessel as an Innovative Solution for Gas Supply in Indonesia

Why It Matters for Indonesia

- 17,500 islands
- >60 stranded gas fields
- 30% of gas underutilized due to onshore plant economics
- LV/DV = efficient & rapid solution
- Target: 1 LV per stranded well = **National Production Growth**



Scalability



- More **cost effective** than onshore LNG plants
- Vessels can relocate to new stranded gas wells
- Continuous utilization = optimal value

Technical Fit for Indonesia's Gas Landscape

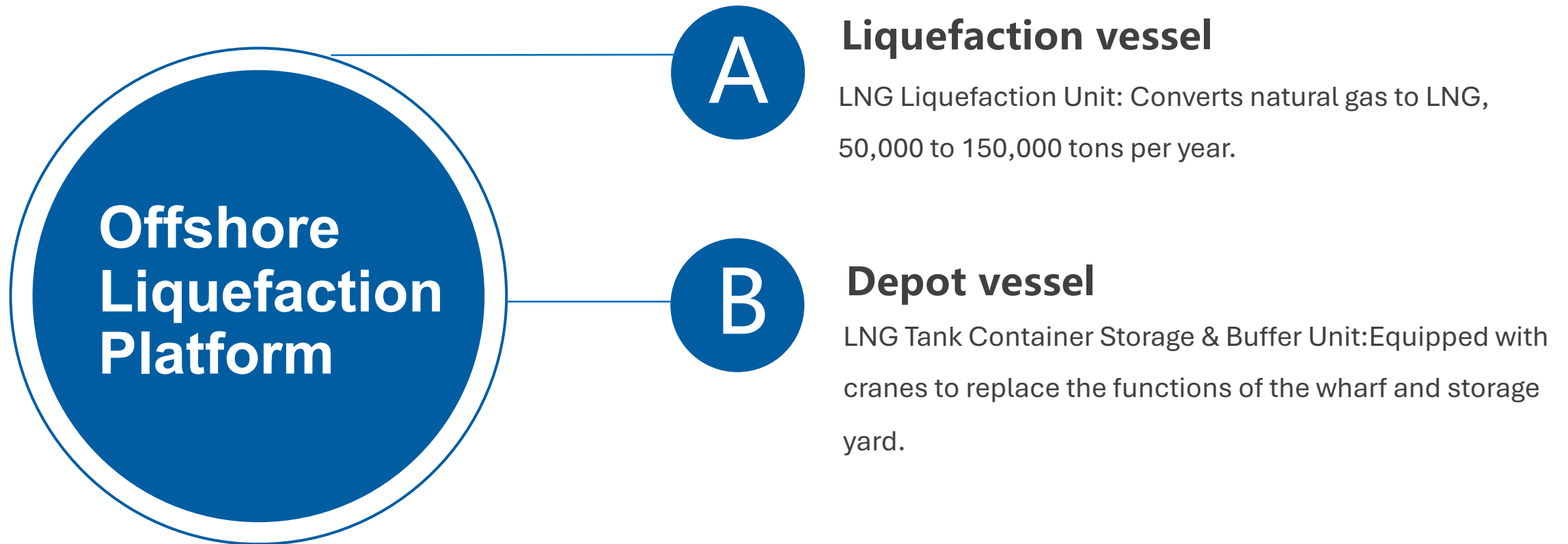
- Indonesia, as an archipelagic country, has many stranded gas fields with small reserves
- LV with **10–20 MMSCFD** capacity offers ideal solution for small field monetization
- Once depleted, the vessel relocates to new gas fields



02

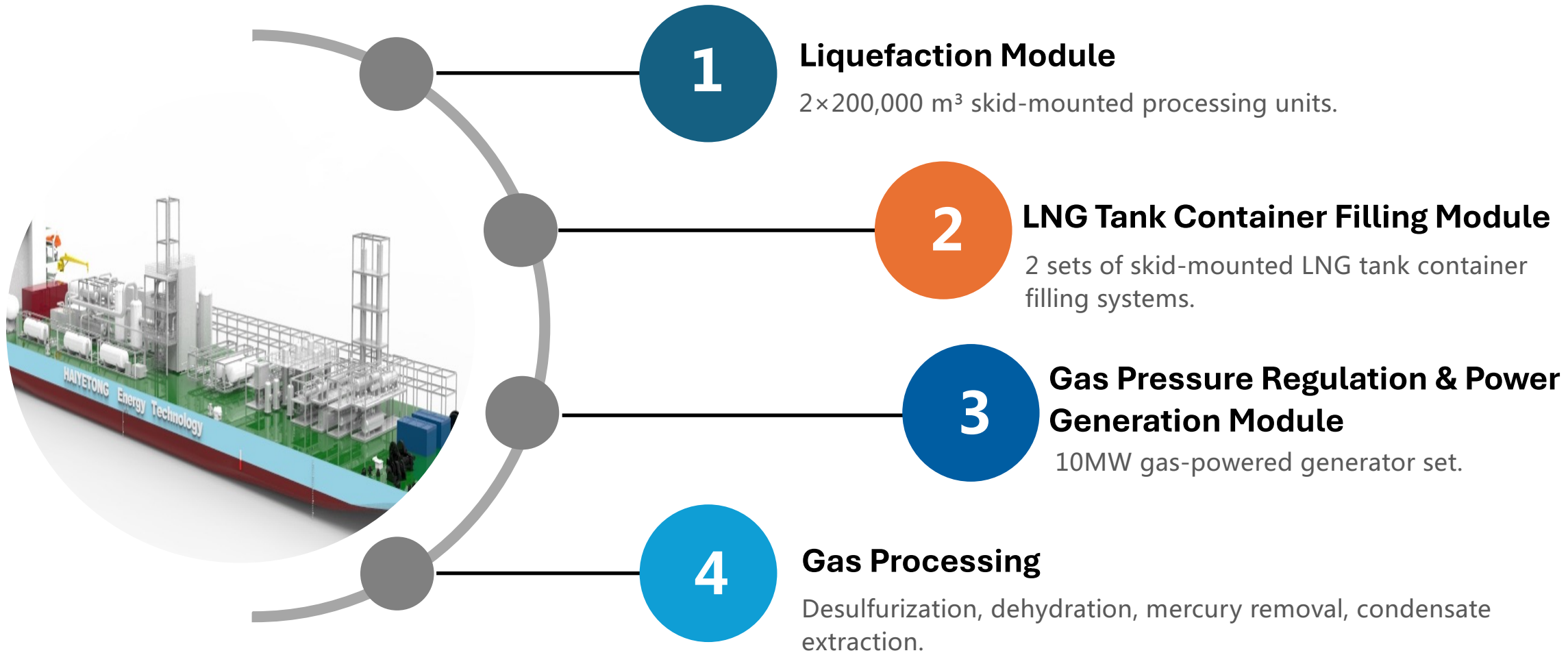
Offshore Liquefaction Platform

Introduction To Offshore Liquefaction Platform

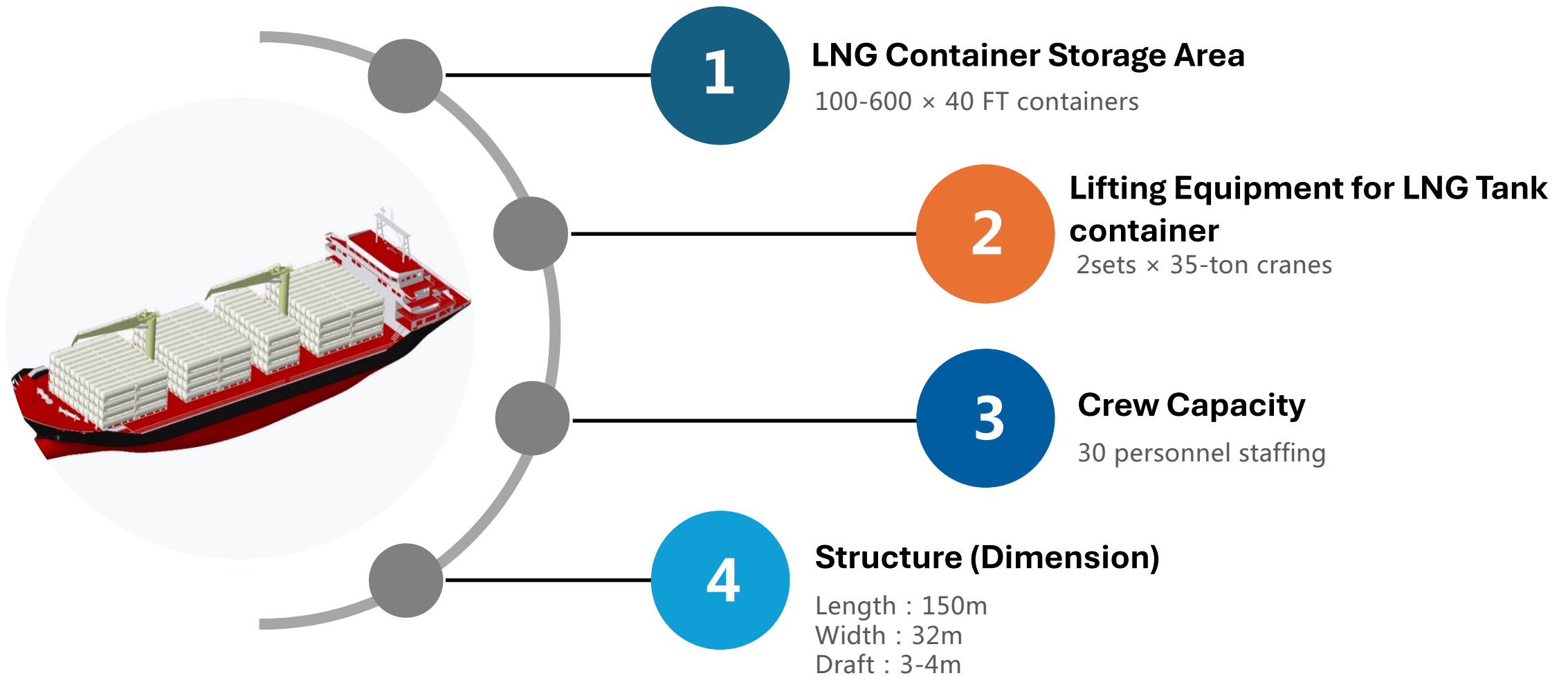


The vessel, multi-functional facility integrating liquefaction, storage, filling, and transportation.

A—Liquefaction vessel



B—Depot vessel





03

Scenarios Simulation

Scenario Overview



**Applicable
Scenarios**

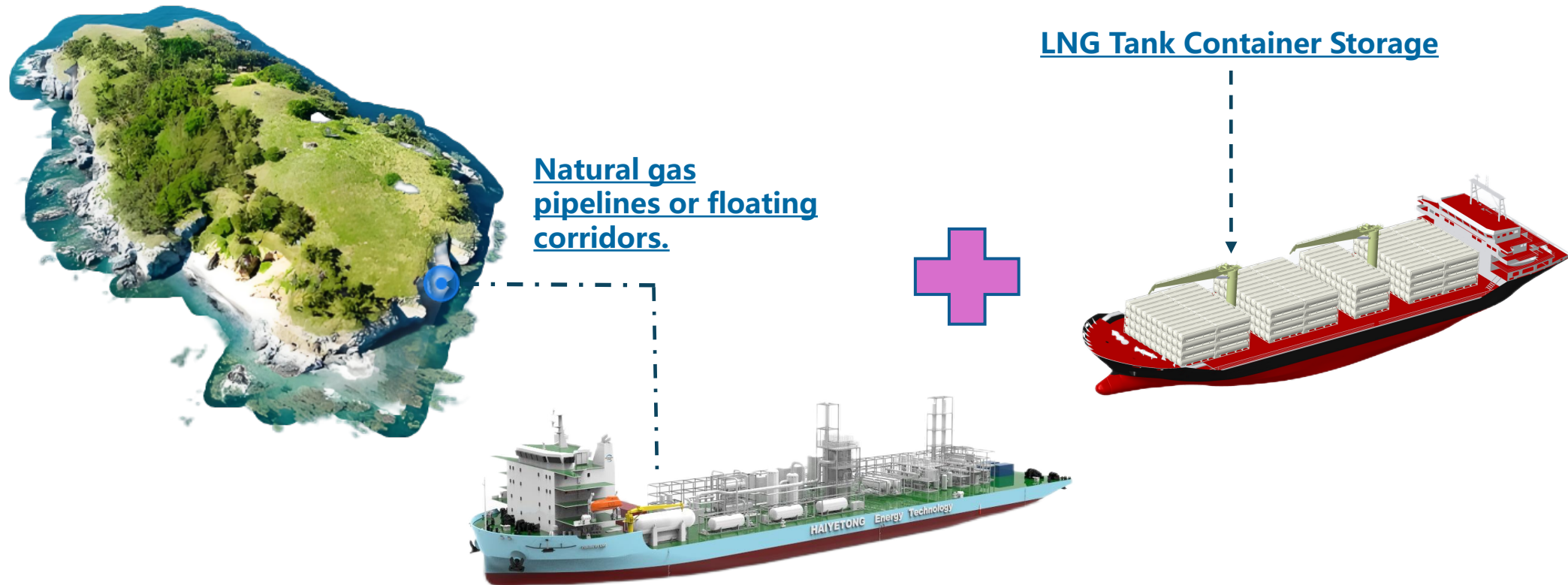
1

Liquefaction Vessel (A) + Depot Vessel (B) + Transfer

Designed for island/offshore/nearshore applications, addressing gas field production and export supply chain challenges. Pure containerized model.

Application Scenarios Simulation: Liquefaction Vessel (A) + Depot Vessel (B) + Transfer

- Scenario: Offshore island natural gas liquefaction and local supply.
Advantages: Widely applicable to small-scale gas development, integrating LNG liquefaction and LNG tank container depot.



Scenarios Simulation





04

Operation Simulation

Implementation Timeline for Tank-type Offshore LNG Liquefaction Platform



Months 1-9

Vessel Construction



Months 4-9

Gas Well Gathering
System Installation



Months 7-9

Waterway & Anchorage
Area Upgrades



Months 9-10

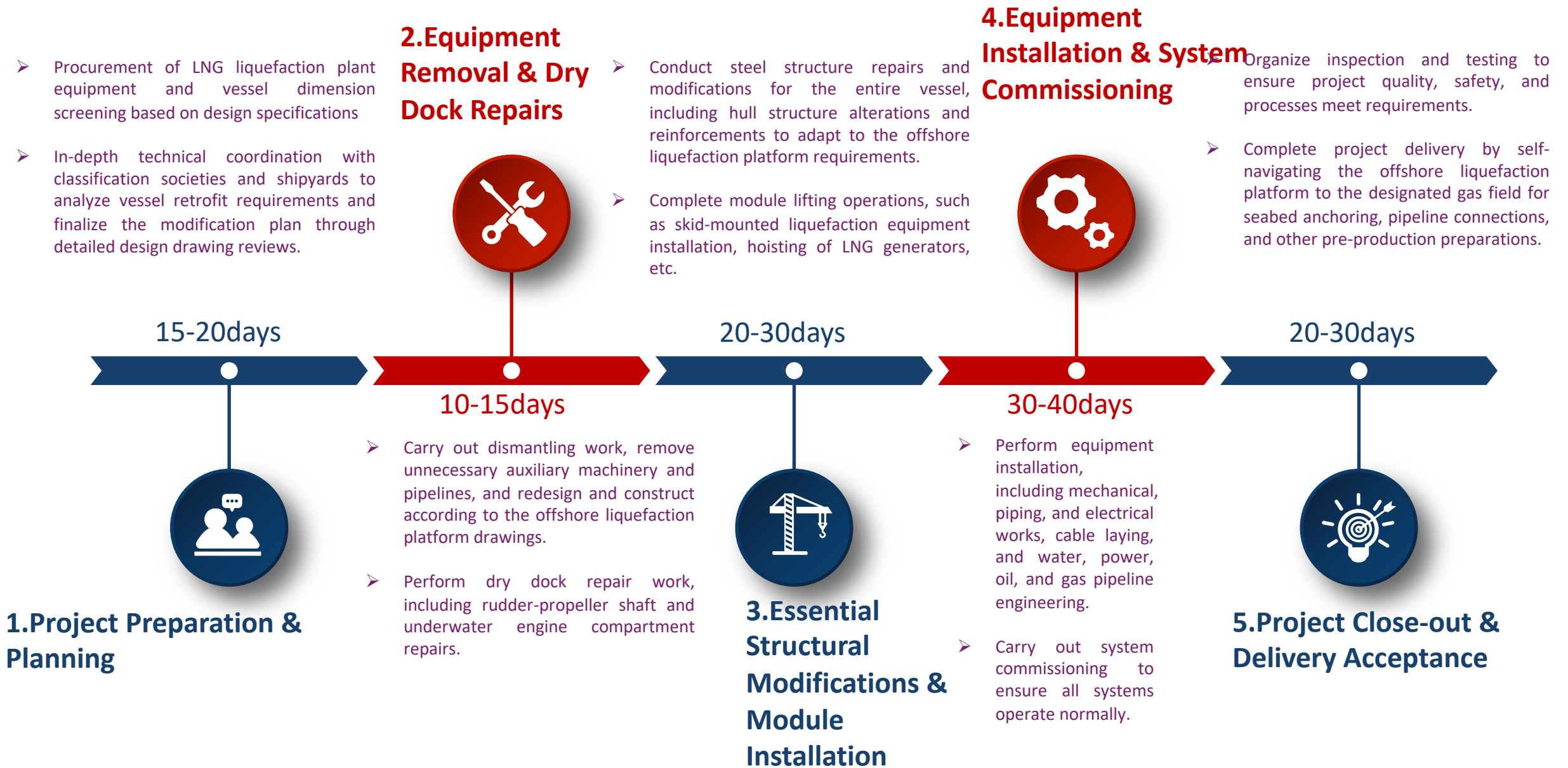
Equipment Transportation



Months 11-12

Commissioning &
Production Testing

Complete Retrofit Process for Existing Vessels





05

Cooperation Schemes Options with Starborn Energy Bontang Pte Ltd



All Possible Schemes

A

Processing Fee Scheme

Processing fee is the cost paid by the charterer to the FLNG owner in exchange for processing natural gas into LNG, typically calculated based on the volume of gas processed.

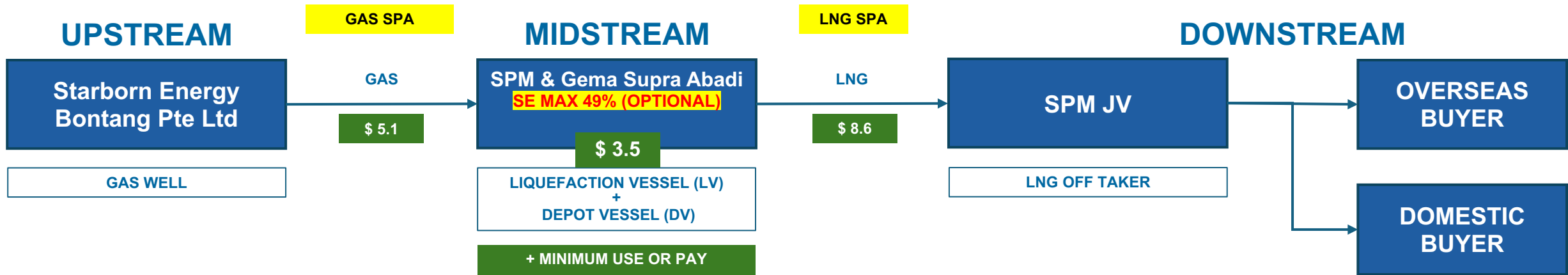
B

Time Charter Party

The **daily charter fee** is a fixed cost paid by the charterer to the FLNG vessel owner **per day of vessel use**, regardless of the actual gas volume processed, and usually covers the vessel's availability, crew, maintenance, and basic operational readiness.



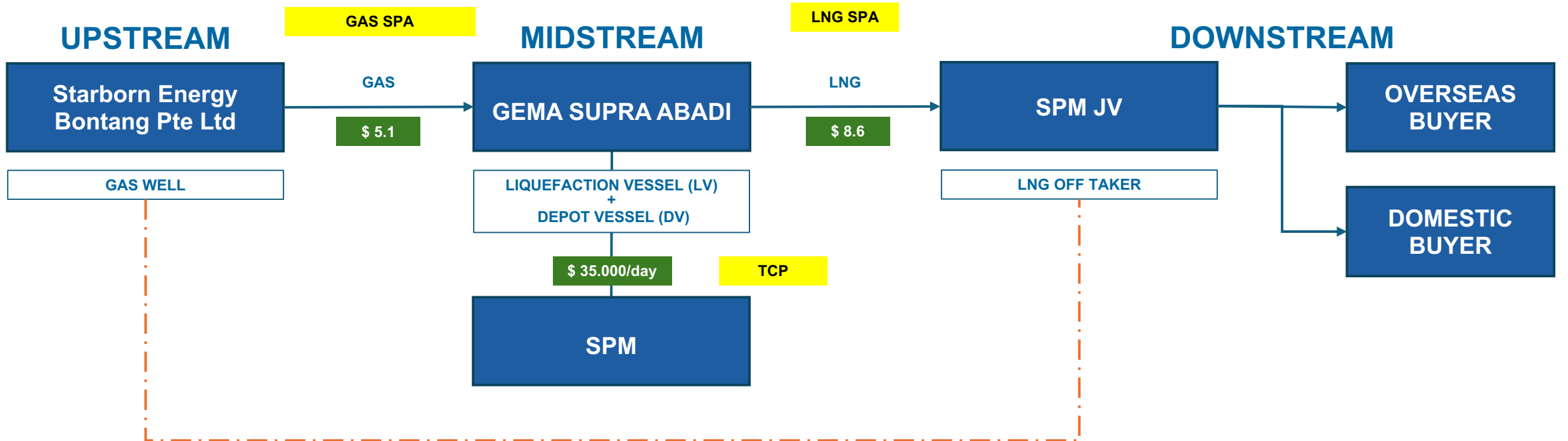
Option-1 : Processing Fee Scheme



PROCESSING FEE
LIQUEFACTION: USD 3.5 / MMBTU



Option-2 : Time Charter Party



TIME CHARTER
LIQUEFACTION: USD 35.000 / day



THANK YOU

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