

Subject :

TRANSPORTATION OF LPG SPHERICAL TANKS FROM VIETNAM TO TAIWAN

PROJECT OVERVIEW

BP Logistics JSC (BPL) successfully completed the transportation and installation logistics of four LPG Spherical Tanks and associated project cargoes from Dong Nai, Vietnam to Kaohsiung, Taiwan.

Cargo Details

- Cargo: LPG Spherical Tanks
- Quantity: 04 Tanks
- Dimensions: 19m x 19m x 22m (L x W x H) each
- Unit Weight: Approximately **470 MT** per tank
- Additional Cargo: 65 packages of accessories and ancillary equipment

Route

- Place of Receipt: Manufacturing plant in Dong Nai, Vietnam
- Port of Loading: Private jetty of the shipper
- Port of Discharge: Kaohsiung Port, Taiwan
- Place of Delivery: Project site in Kaohsiung, Taiwan

BPL Scope of Work

- Engineering and planning of transportation solution
- Transportation of tanks from factory area to loading position by SPMT
- Load-out operation from jetty to ocean vessel by SPMT
- Arrangement of Deck Carrier vessel for ocean transportation

The selected Deck Carrier had a deadweight capacity of 18,000 MT, with a breadth of 47 meters and an overall length (LOA) of 164 meters. This type of vessel is specifically designed for transporting oversized and heavyweight cargoes and provided a cost-effective alternative to a conventional Heavy Lift Vessel while maintaining the required safety and operational standards.

- Sea-fastening engineering, calculation and design
- Coordination of Marine Warranty Surveyor (MWS) approval
- Ocean transportation from Vietnam to Taiwan
- Un-seafastening and deck cleaning at discharge port
- Load-in operation from vessel to project site by SPMT
- Heavy lifting operation using a 1,600 MT crane to lift tanks over a 24-meter-high conveyor system and position them at the final installation area

PROJECT CHALLENGES

This project involved a number of first-time operations for the client and the ports involved:

- First time the client acted as EPC contractor and directly chartered an ocean-going vessel for international transportation of project cargo.
- The loading port is the shipper's fresh new port which was announced only 2 days before vessel arrival. So that this is the 1st international vessel calling there.
- First stern-berthing operation of an international Deck Carrier at the loading port, even Vietnamese ports.
- First receiving operation of this type of vessel and stern-berthing arrangement at the discharge port in Kaohsiung.
- Complex coordination among vessel owner, terminal, port authorities, surveyors, engineering teams and project stakeholders in both Vietnam and Taiwan.

PROJECT RESULT

Through close cooperation between the client, vessel owner, surveyors, terminal operators and project teams, together with **BPL's overall project management and coordination**, all operational, technical and schedule challenges were successfully overcome.

The entire shipment was delivered safely, without incident, and within the required project schedule.

This project demonstrates BPL's capability to provide end-to-end logistics solutions for heavy lift, oversized and project cargo transportation, including engineering, vessel chartering, marine transportation, load-out/load-in operations and final site delivery.