



LNG as a maritime fuel. Strategic vision”

Juan Pablo Pérez. Head of Projects and Works. APBA

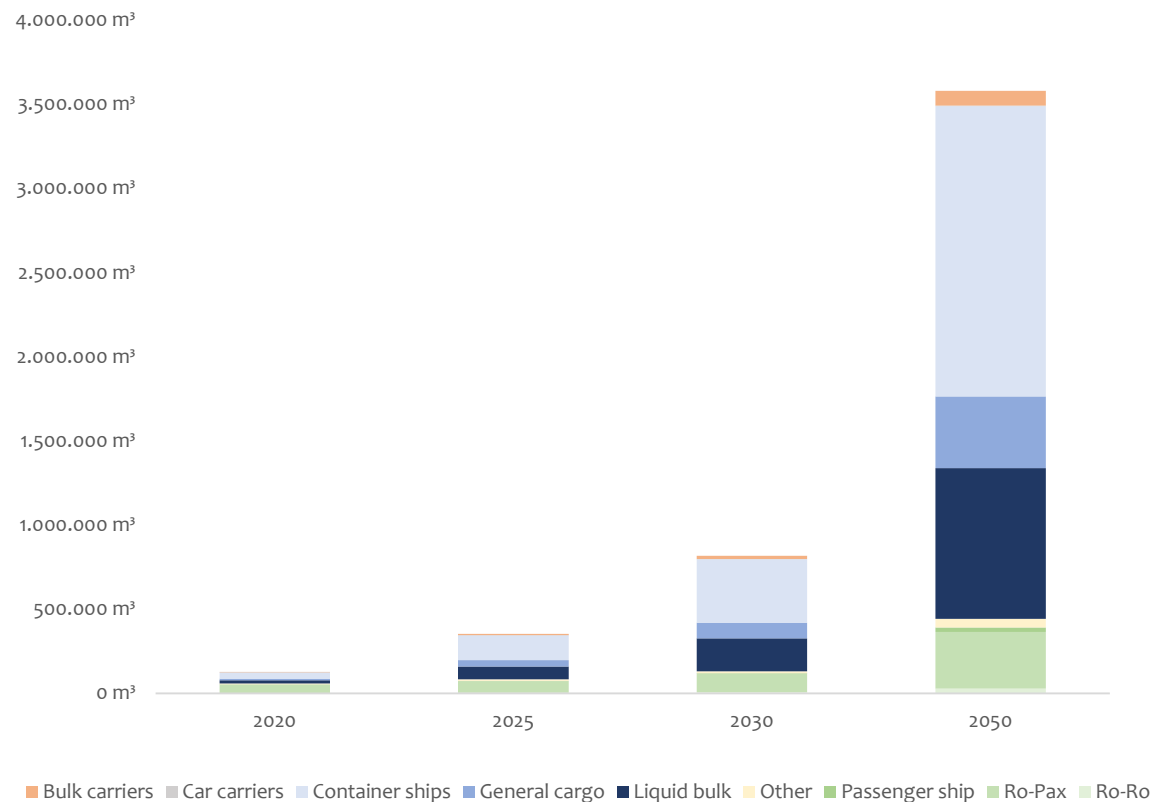


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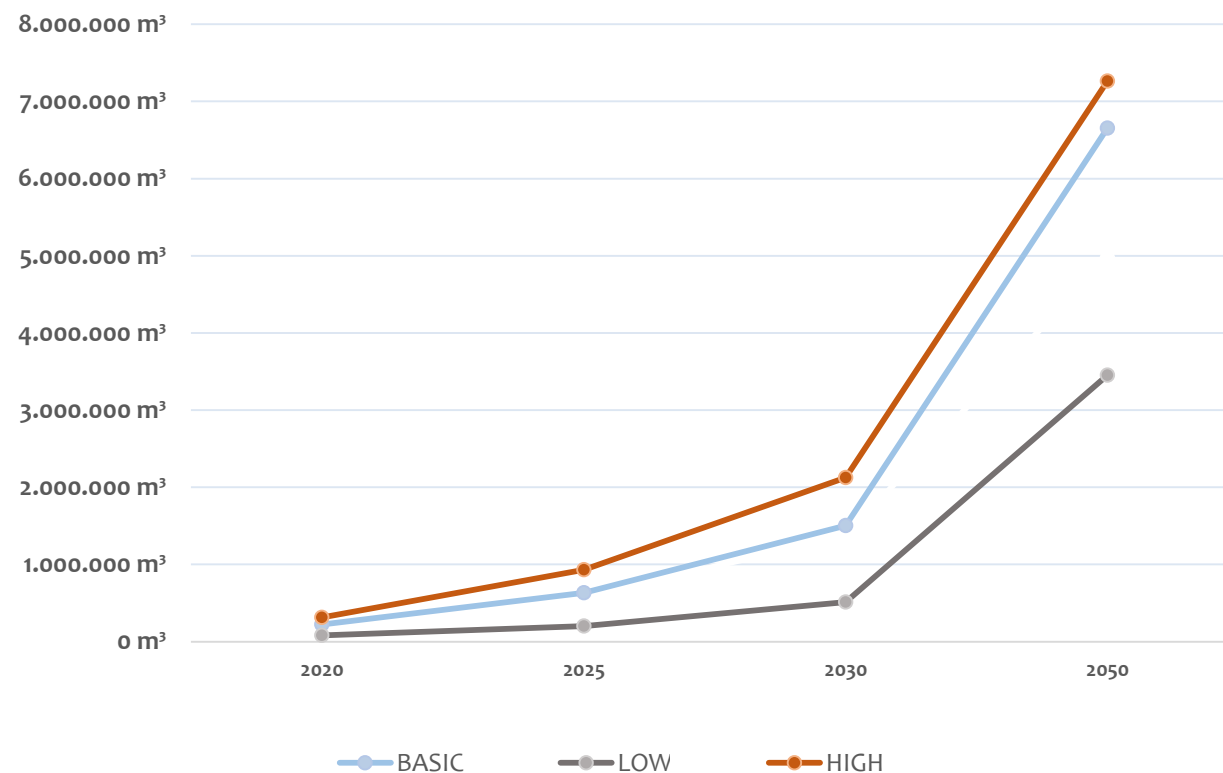


DEMANDA POTENCIAL EN EL ÁREA DE INFLUENCIA DEL ESTRECHO

LNG demand by vessel type



Escenarios de demanda agregada en el área del Estrecho



Fuente: SBC "LNG LOGISTIC SUPPLY STUDY."

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The diagram illustrates a maritime supply chain flow. It begins at an **IMPORT TERMINAL** (represented by storage tanks), which connects via **Maritime transport** (solid blue line) to a **FEEDING VESSEL** (represented by a ship). From the feeding vessel, the flow continues to a **TERMINAL AUXILIAR (BASE PORT)**, which is highlighted with a red dashed circle and contains storage tanks. From this auxiliary terminal, the flow branches out:

- Top Branch:** Connects via **Maritime transport** to a **BASE PORT CLIENT PORT** (ship icon). This port then branches into **Land transport** (dotted blue line) to a **Customer** (ship icon) and **Maritime transport** to another **BASE PORT CLIENT PORT** (ship icon).
- Middle Branch:** Connects via **Maritime transport** to a **BASE PORT** (ship icon).
- Bottom Branch:** Connects via **Land transport** (dotted blue line) to a **BASE PORT CLIENT PORT** (ship icon).

Additional elements include a **Bunkering vessel** (ship icon) and a **TTS Supply** (truck icon) connected to the main flow, and a **PTS Supply** (crane icon) connected to the bottom branch. A legend at the bottom identifies the symbols used:

- Land transport:** Dotted blue line
- Maritime transport:** Solid blue line
- Bunkering vessel:** Ship icon
- Customer:** Ship icon
- TTS Supply:** Truck icon
- PTS Supply:** Crane icon
- Optional auxiliary terminal:** Storage tank icon
- Storage terminal:** Storage tank icon
- Feeding vessel:** Ship icon
- See chapter 2.2.6:** Orange circle

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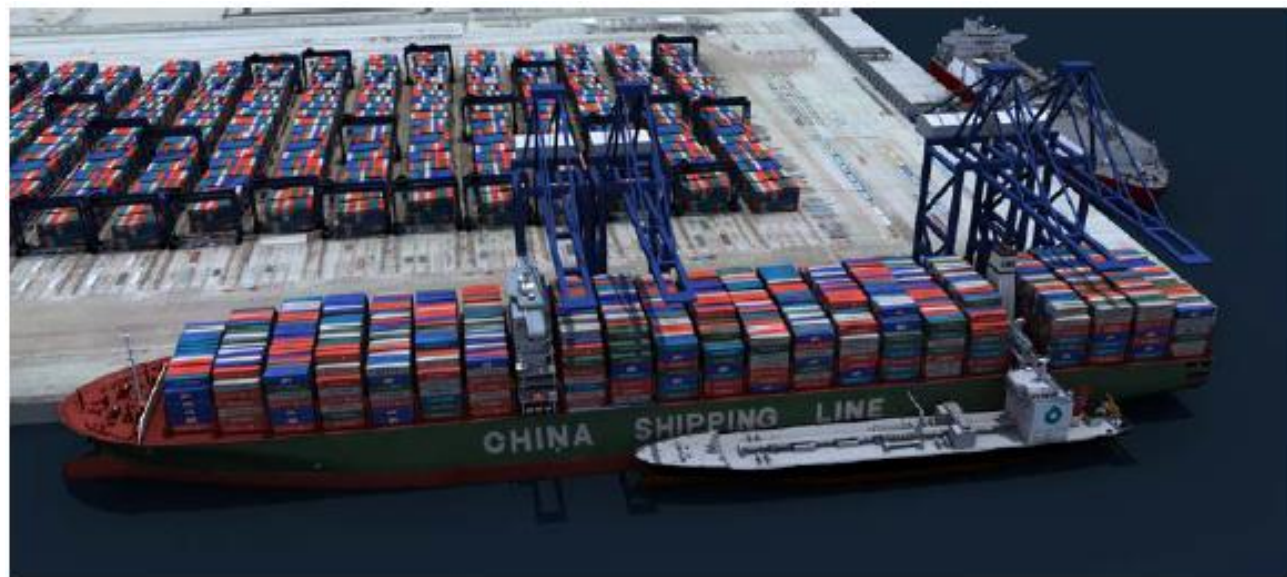
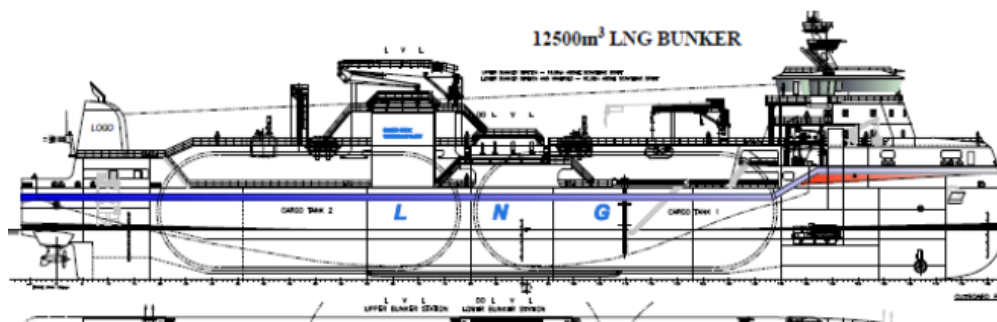
LNGhive2 Algeciras – A Flex LNG bunkering vessel in the Port of Algeciras Bay

Dimensiones

- Length Overall	132.50 m
- Beam Moulded	21.60 m
- Depth from Main deck	12.40 m
- Max. Draft	6.75 m
- Design Draft	6.50 m
- Freeboard at max. draught	5.65 m
- Dead Weight (@max. draft)	Abt. 6,850 mt

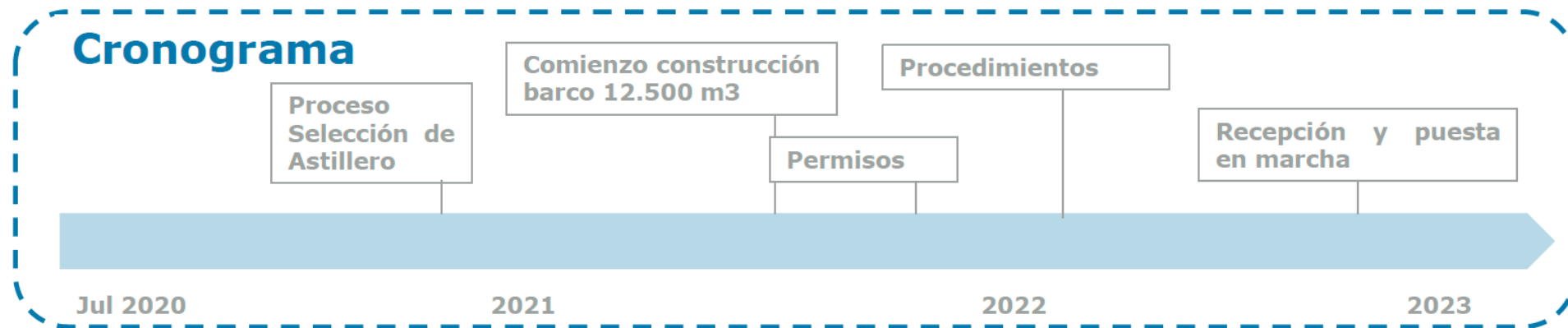
Total capacity of the new Flex LNG bunkering facility:
12,500 m³

- Total cargo pumps: 4; Capacity: 380m³/h
- Electrical power will be generated by two (2) dual-fuel generators





LNGhive2 Algeciras – A Flex LNG bunkering vessel in the Port of Algeciras Bay



Actualmente disponible:

- Autorizaciones puntuales (one-off permits)
- Instrucción Técnica

Dirección de contacto: bunkergnl@apba.es

LNG Bunkering Technical Instruction ALGECIRAS PORT



Versión 1.0
October 2021

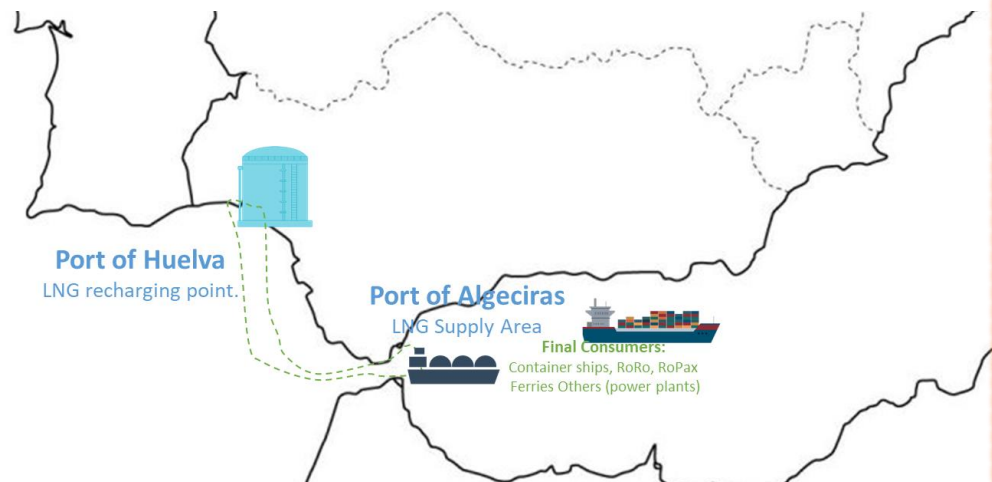


Integrated LNG logistic chain for bunker supply in the Strait of Gibraltar



Port of Huelva

Port Authority of Huelva



Algeciras
Port



❖ OBJECTIVES:

- ❖ Promoting LNG with standard procedures and an integrated logistic chain for bunker supply at the Strait of Gibraltar.
- ❖ Collaboration: **Digitalization and Optimization of alternative fuel supply operations.**



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