



# LNG CARRIER 101 AND U.S. SHIP BUILDING CHALLENGES

## COMPLIANCE WITH USTR'S REMEDIES IS NOT POSSIBLE:

There are currently no U.S.-made or enough U.S.-flagged vessels capable of exporting the quantity of LNG necessary to support current or increased U.S. LNG exports.

- The U.S. does not have the shipyard capacity, technical capability or supply chains to significantly ramp up shipbuilding of U.S. LNG carriers to meet the U.S. Trade Representative (USTR) requirements.
- The U.S. currently lacks the highly specialized and skilled crews for the operation and maintenance of LNG ships.

South Korea is the largest LNG Carrier (LNGC) ship builder in the world. Since 2018, 80% of the LNG vessels delivered or ordered have been or will be constructed in Korean yards. Meanwhile, 18% have been or will be constructed in Chinese yards. These countries' ability to excel in the shipbuilding industry is due to their respective government's monetary investments in the industry.<sup>1</sup>

2024 total of U.S. exports in Bcf:	4,365
2024 total of U.S. LNG cargoes:	1396
Number of LNGC on the water currently:	792 <sup>2</sup>
Number of LNGC in order book:	536

## CURRENT U.S. BUILT LNG BUNKER BARGES:

### 1. CLEAN JACKSONVILLE

**Capacity:** 2,200 cubic meters

**Dimensions:** 232 ft x 68 ft x 34 ft

### 2. PROGRESS

**Capacity:** 12,000 cubic meters

**Dimensions:** 416 ft x 68 ft x 38 ft

*Bunker Barges are used for marine refueling*

## TYPICAL LNG CARRIER:

**Capacity:** 174,000 cubic meters

**Dimensions:** 967 ft x 152 ft x 41 ft

## TYPICAL NIMITZ-CLASS AIRCRAFT CARRIER

**Dimensions:** 1,092 ft x 252 ft x 37 ft

*LNG Carriers are used to transport LNG long distances*

## HANWHA PHILLY SHIPYARD, PA:

**Dimensions:** 1,120 ft x 150 ft

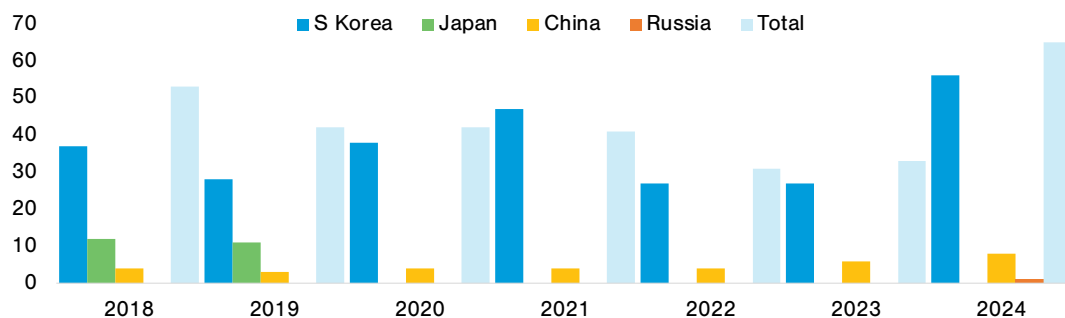
## SAMSUNG HEAVY INDUSTRIES SHIPYARD, SK:

**Dimensions:** 2,118 ft x 328 ft

<sup>1</sup> USTR, Report on China's Targeting of the Maritime, Logistics, and Shipbuilding Sectors for Dominance – January 16, 2025; and see, <https://maritime-executive.com/article/korean-government-pledges-financial-and-r-d-support-for-shipbuilders>

<sup>2</sup> <https://www.reuters.com/business/energy/us-energy-companies-seek-exemption-trump-plan-move-lng-us-built-ships-2025-05-07/>

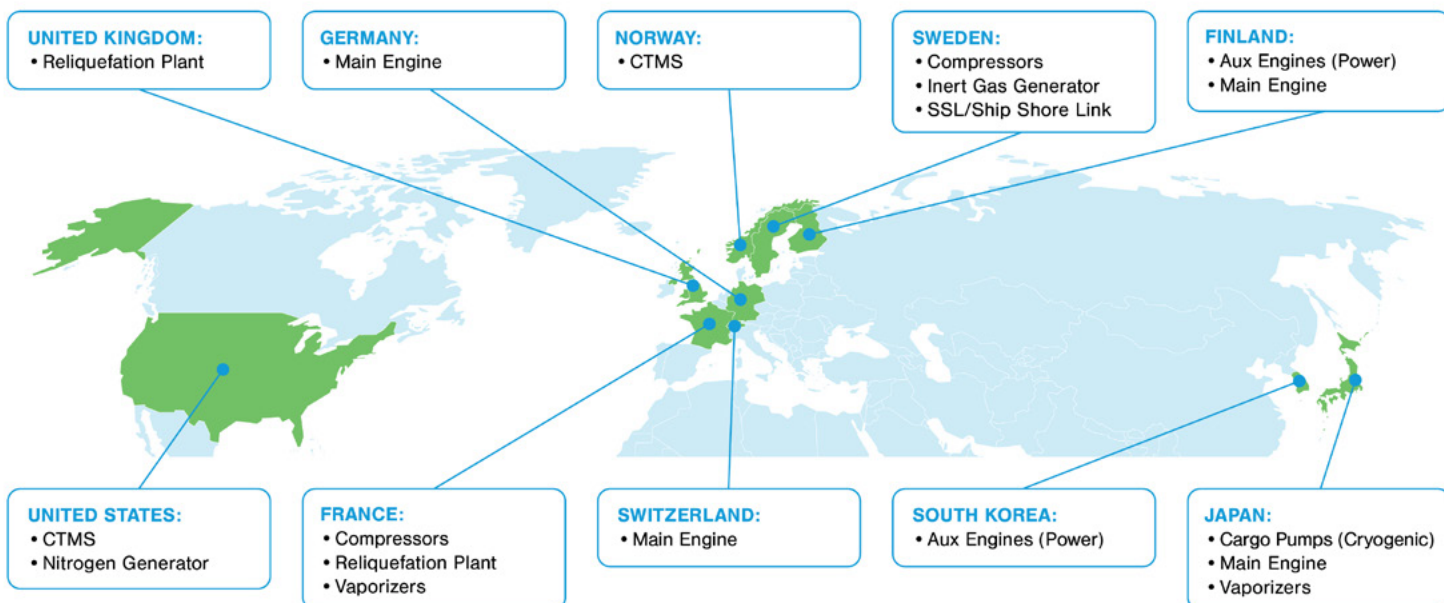
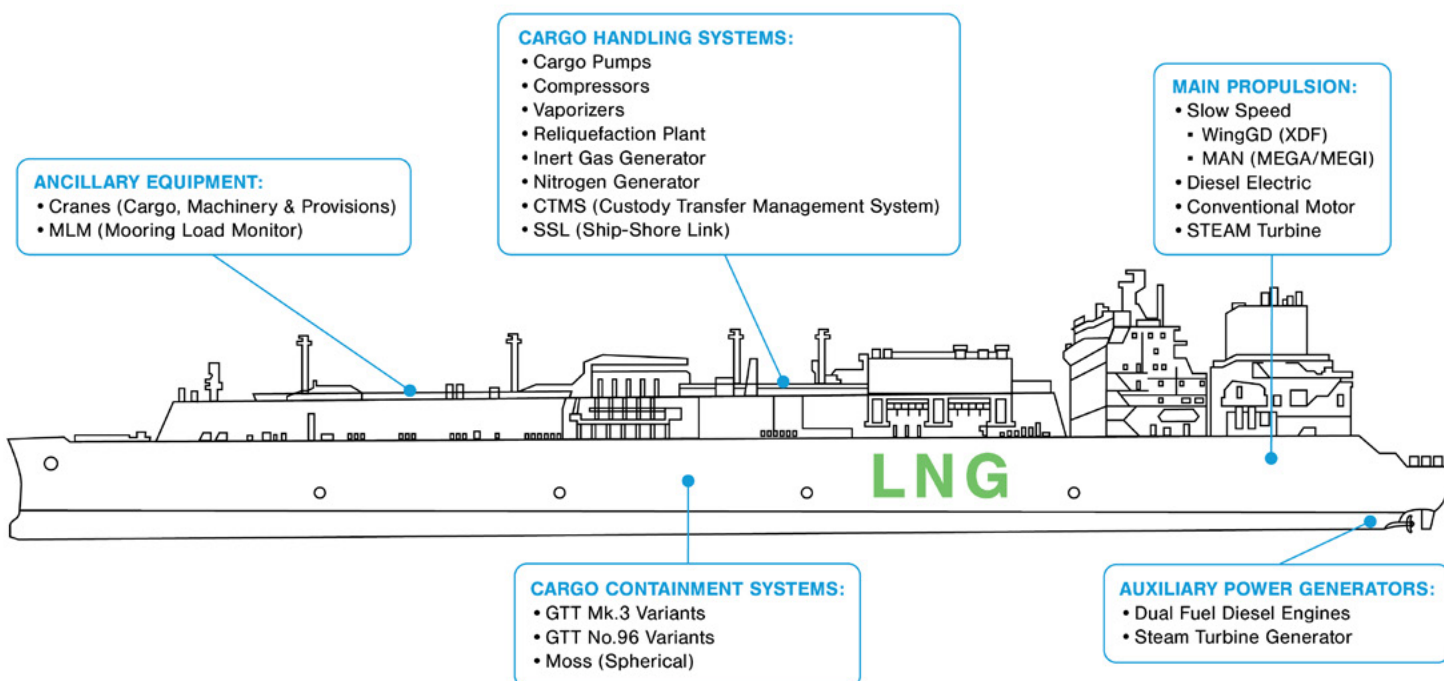
## LNG Carriers Built



Source: Wood Mackenzie



## LNG VESSEL COMPONENTS ARE GLOBALLY SOURCED\*:



\*Vendor's supply chains may include other countries where they might be headquartered. Production may be in other countries and can be licensed to other companies.