

LNT40 - WUHUMAX LNG Carrier

LNT40 is a shallow draught 40,000m³ LNG carrier designed by LNT Marine. The design is based on the LNT A-BOX[®] containment system, which gives excellent volume utilization and allows for design of an efficient shallow draught hull form.

LNT40 is a building friendly and medium scale LNG carrier for world wide trade and with features suitable for river trades. The design is suitable for re-loading of cargoes, and has been developed to meet the growing demand for local and regional distribution of LNG. The draft and air draft enables the LNT40 ships to serve smaller terminals in costal areas and rivers where large scale infrastructure is not feasible.

Main Dimensions

Length OA	182.0 m
Length PP	176.0 m
Beam moulded	31.6 m
Depth moulded	18.0 m
Design draught	8.0 m
Air draught	24.0 m

Machinery & Propulsion

The propulsion system shall feature one dual fuel main engine mechanically connected to a single shaft and propeller. The auxiliary generator sets shall be able to burn natural gas.

Dual fuel main engine	approx. 6,000 kW
Auxiliary engines	TBA

Deadweight & Capacities

Deadweight	approx. 21,000 ton
D.O. and ballast capacity	TBA

Cargo System

No. of cargo tanks	3 -
Total capacity	40,000 m ³
MARVS	0.4 bar g
Design density	0.5 ton/m ³
Boil-off rate	approx. 0.15 % per day
Min. temp.	- 163°C

Speed & Range

Service speed	14.0 knot
Cruising range	TBA

LNT A-BOX®

The unique LNT A-BOX® containment system has been developed by LNT Marine. The LNT A-BOX® system consists of an IMO independent tank type A placed in an insulated hold space. The system combines proven technologies in a safe and cost effective configuration. The idea was to develop and commercialize a simple and efficient cargo containment system that could enable more shipyards to build the LNG carriers. LNT A-BOX® offers a number of advantages compared to other containment systems for LNG.

Building capacity and costs

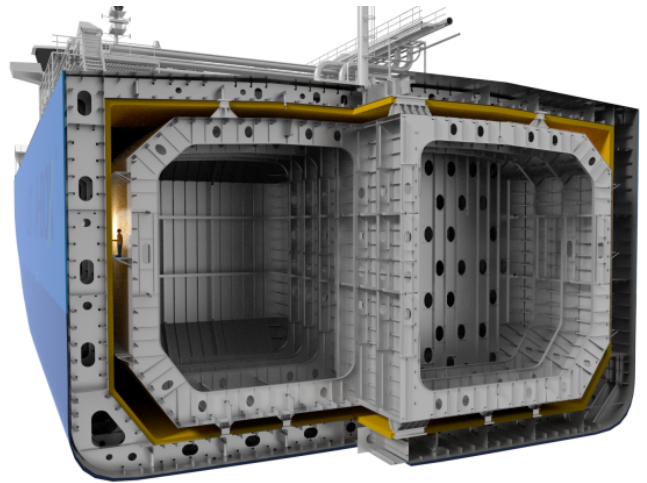
- Enabling more yards to build LNG carriers
- Independent tank construction
- Simple and cost-effective design

Safety

- Easy inspection and maintenance
- No filling restrictions
- Robust tank design
- Independent barriers

Efficiency

- Excellent volume utilization
- Excellent thermal insulation
- Hull form flexibility



LNT Marine

LNT Marine (LNT) is a technology provider and contractor within the LNG sector, gas carriers and other types of cold cargoes. We invent and develop new technologies. We provide design and engineering for marine solutions based on our proprietary technologies, and we offer system supply as well as technical support and installation services.

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