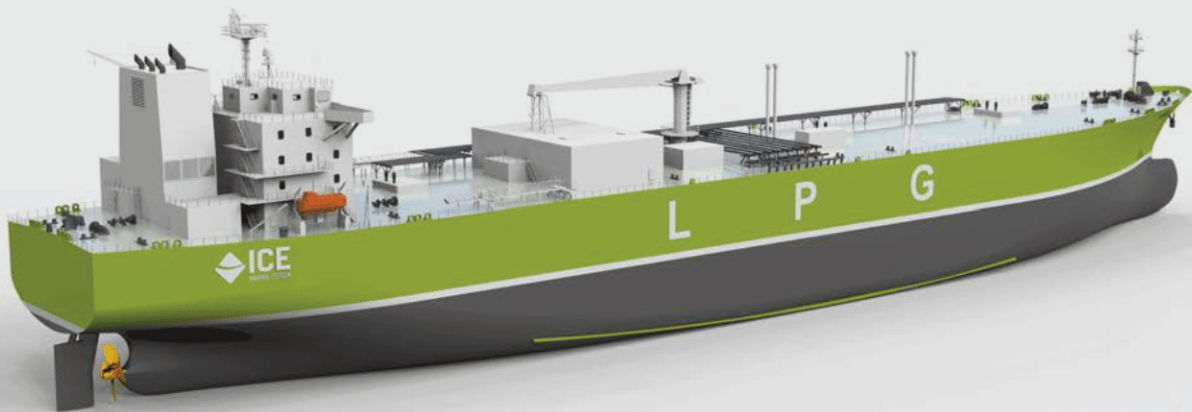


## 84,000 m<sup>3</sup> FULLY REFRIGERATED LPG CARRIER

ICE has developed a well-balanced large-scale fully refrigerated gas carrier hull design with a carrying capacity of 84,000 cubic meters, compliant with IGC 2016 rules.

The vessel is designed as a fully refrigerated liquefied petroleum gas carrier, with four (4) independent Type A tanks, with a 2G hazard rating. Low speed engine combined with high propulsion efficiency and an optimised hull form result in a low fuel consumption.

The vessel is very well balanced so no ballast is required for entire voyage in fully loaded and segregation conditions.

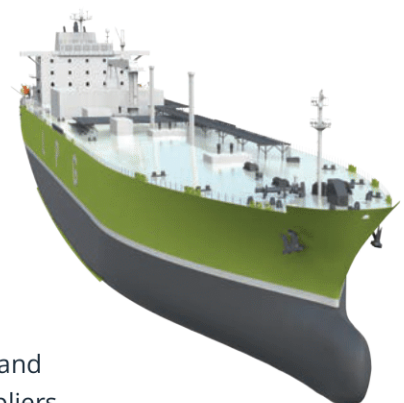


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The ship will be fitted with a Tier III main engine, including EGR (exhaust gas recirculation), EGCS (exhaust gas cleaning system) and SCR (Selective catalytic reduction).

The Vessel is capable for carrying liquefied petroleum gas/ammonia in the prismatic Type A cargo tank designed for a maximum vapour pressure of 0.25 barg, minimum temperature of -48°C and maximum density of 682 kg/cbm.

The design can be adapted to incorporate a wide range of proven equipment and systems enabling selection of competitively priced solutions from proven suppliers.



## Principal Dimensions

Length o.a. ....	229.00 m
Length p.p. ....	218.00 m
Breadth mld. ....	36.60 m
Depth mld. ....	22.50 m
Draught, design ....	11.40 m
Draught, summer ....	11.80 m
Deadweight, summer draught ....	56,146 t

## Capacities

Cargo (4 x IMO Type A tanks) ....	84,017 cbm
Heavy Fuel Oil ....	3,728 cbm
Marine Diesel Oil ....	436 cbm
Lub. Oil ....	140 cbm
Ballast Water ....	26,139 cbm
Fresh Water ....	555 cbm

## Accommodation

Accommodation .....	31 persons
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## Safety

Lifesaving equipment for 31 people on board:

- 1 enclosed life boat for 31 (PS)
- 1 enclosed life/rescue boat for 31 (SB)

## Cargo System

Cargo handling system designed and supplied by specialist supplier.

## Ballast System

Ballast Pumps ..... 2 x 1,000 m<sup>3</sup>/h  
BWT Unit compliant with the latest MARPOL V

## Speed

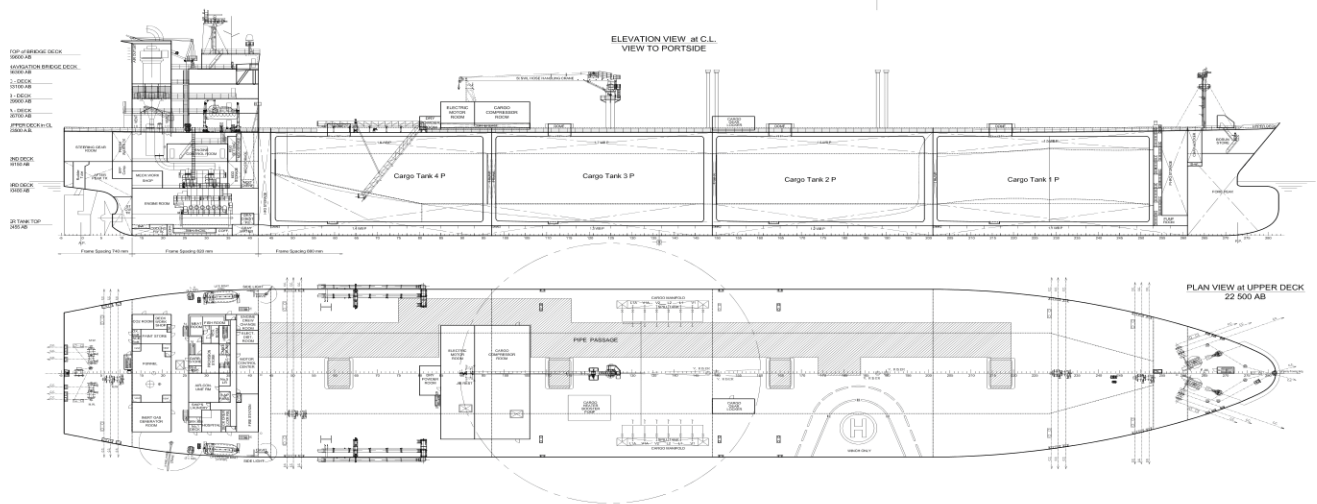
Service Speed ..... 16.50 knots  
Cruising Range ..... 21,000 Nm

## Machinery

Main Engine ..... MAN B&W  
6G60ME-C9.5 Tier III, 15252 kW x 92 RPM @ MCR  
Generator sets ..... 3 x 1400 kW  
Emergency generator ..... 1 x 800 kW  
Aux. boiler ..... 1 x 2t/h  
Propeller ..... 1FPP, dia. 7.4 m,  
four blades

## Class - NKK

NS\* (LGC 2G, PSPC-WBT) (ESP) (IWS) (PSCM), MNS\*,  
NOx-III



## ENGINEERING CERTAINTY

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With a 50-year track record and an annual capacity of 700,000 professional engineering man-hours, the International Contract Engineering (ICE) Group is Europe's largest independent ship design consultancy. We provide high-calibre multi-discipline design services to yards and owners in the commercial shipping, defence and offshore energy industries, ranging from conceptual studies and Class drawings to detail design and production information. We cover a full range of naval architecture and marine engineering disciplines such as hydrodynamics, structural, mechanical, piping, electrical, instrumentation, outfit and HVAC. Our experience includes gas carriers, passenger vessels, navy and coast guard ships, chemical tankers, drill ships, FSO/FPSOs and a range of other vessels. We also have available proprietary designs that can be adapted to clients' requirements.

With our head office in the Isle of Man and our main engineering facilities in Romania, we provide high quality design and engineering at very competitive prices.