



**seatech**  
engineering



## SE-603

10 000 m<sup>3</sup>  
hybrid LNG carrier

SE-603 is a 10 000 m<sup>3</sup> LNG carrier with high ice class ICE-1AS for transport LNG between big and small satellite terminals.

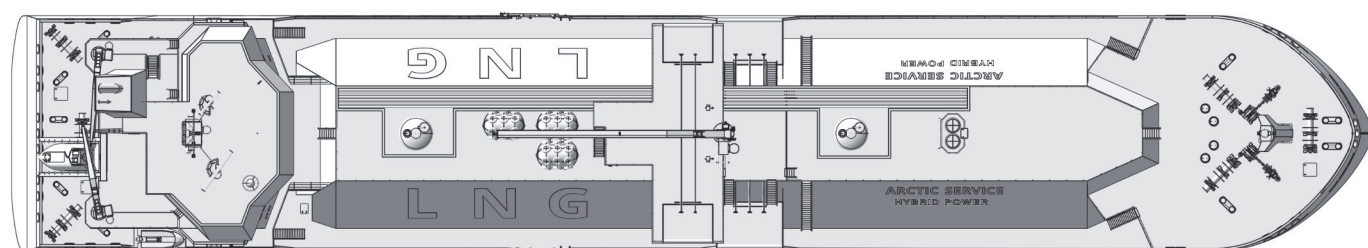
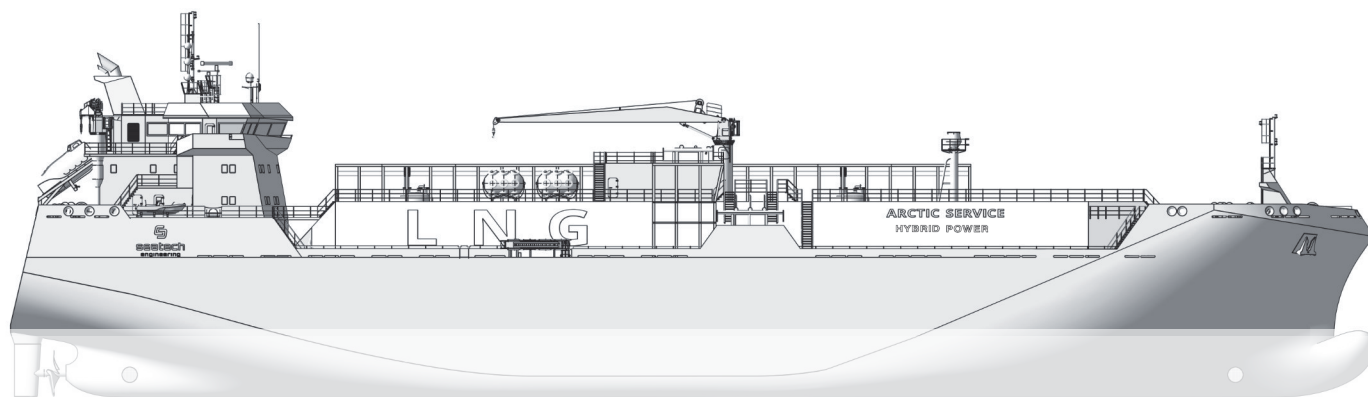
Single screw propulsion system with 4 strokes DF engine, reduction gear, and CP propeller, ensure a good balance between investment and operation cost. Two tunnel thrusters, one aft, and second forward, secure high maneuverability when needed.

Hybrid propulsion system, with batteries connected to ships electric grid, is shaving load peaks during seagoing and terminal operations, including even zero emission operation.

The main engine with PTO or Generating Set operates on optimum load scenario with optimal low fuel consumptions.

Optionally, the vessel can be equipped with Yokohama fenders and set of safety features, for Ship to Ship LNG transfer.





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### Principal characteristics

Length over all:	120.50 m
Breadth moulded:	20.80 m
Depth to main deck:	12.25 m
Design/Max draught:	5.70/6.00 m
Deadweight at design draught:	4 950 t
Service speed	
(90%MCR, 15%SM, 500 kW PTO):	15.00 kn
Installed power:	4 770 kW <sub>e</sub>
Propulsion battery power	600 kWh
Cruising range on MDO:	6 100 Nm
LNG capacity:	10 000 m <sup>3</sup>
Crew:	16 persons

### Cargo equipment

Cargo containment:	2 x 5 000m <sup>3</sup> cyl. type C
Discharging rate:	1 000 m <sup>3</sup> /h
Discharging pumps (deep well):	2 x 500 m <sup>3</sup> /h

### Fuel consumptions (LNG/MDO)

At service speed:	17.2/22.6 t/24 h
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### Optional equipment

LNG Reliquefaction Unit/Subcooler  
Yokohama Fenders

### Class

DNVGL (or other IACS) +1A tanker for liquefied gas, Ship type 2G (-163 °C, 500 kg/m<sup>3</sup>, 0.4 MPa), GF, ICE 1AS, E0, BIS, CLEAN (DESIGN), RP (1,15), NAUT-AW

