Design highlights

- Latest Dual Fuel Engine technology:
  - reduces emissions in LNG operation: SOx (100%), CO2 (20%), NOx (80%)
  - compliant with MARPOL Tier III in gas mode
- Vessel is fueled by natural BOG and forced vaporizing
- Long flat side to satisfy terminal request for dolphin mooring
- Elevated LNG manifold - optional
- High manoeuvrability
- Over 40 years experience in merchant market and leading experts in LNG
- Core competence of Gas Handling Systems within Wärtsilä Ship Design Team

SPECIFICATION IN BRIEF

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length over all</td>
<td>99.9 m</td>
</tr>
<tr>
<td>Draught, design</td>
<td>5.00 m</td>
</tr>
<tr>
<td>Draught, maximum</td>
<td>5.20 m</td>
</tr>
<tr>
<td>Gross tonnage</td>
<td>5,580</td>
</tr>
<tr>
<td>Net tonnage</td>
<td>1,680</td>
</tr>
<tr>
<td>Deadweight, max</td>
<td>3,350 t</td>
</tr>
<tr>
<td>Service speed</td>
<td>14.0 knots</td>
</tr>
<tr>
<td>Operation area</td>
<td>“Worldwide”</td>
</tr>
</tbody>
</table>

M/E fuel consumption

- Gas mode - LNG cons: 13.7 t/day
- Diesel mode - MDO cons: 15.8 t/day
**TECHNICAL SPECIFICATION**

**MAIN DIMENSIONS**
- Length over all: 99.99 m
- Length PP: 94.50 m
- Breadth moulded: 12.20 m
- Depth moulded, to upper deck: 9.30 m
- Draught, design: 5.00 m
- Draught, max: 5.20 m
- Deadweight, des draught: 3,050 t
- Deadweight, des draught: 3,350 t

**SPEED & ENDURANCE**
- Design speed (Td): 14.0 kts (Td, @90%MCR, 15%SM)
- Max. speed: 14.5 kts (Td, @100%MCR)
- Endurance, service speed (LNG): 5,100 nm
- Endurance, service speed (MDO): 3,350 nm

**CAPACITIES**
- LNG (incl. 475m³ fuel): 5,100 m³ (cylindrical type C, 2×2550m³, 4.5 barg)
- MDO (incl. 550m³ as cargo): 180 m³
- BW: 1,700 m³
- FW: 50 m³

**CARGO EQUIPMENT**
- Deepwell pumps 2×400m³/h
- Cargo heating/vapourising equipment
- Nitrogen Generator Unit Unit 2000 Nm³/h
- Bolt of Gas Management options:
  - Gas Combustion Unit or
  - DF boiler or
  - Reliquefaction unit
- Fuel gas handling system
- Set of STS transfer equipment incl. LNG flexible hoses, Yokohama fenders, emergency release coupling etc. for STS operations – optional;

**FUEL CONSUMPTION**
- Fuel consumption, (-S/G), LNG: 13.7 t/d
- Fuel consumption, (-S/G), MDO: 15.8 t/d
- Fuel consumption, (+S/G), LNG: 13.9 t/d
- Fuel consumption, (+S/G), MDO: 16.0 t/d

**ACCOMMODATION**
- 18 persons in single cabin, fully air-conditioned

**PROPULSION / MACHINERY**
- 4-stroke Wärtsilä Dual Fuel Main Engine 1 x 4,000 kW 8L34DF
- 4-stroke Wärtsilä Generating sets 2 x 1,065 kW 6L20DF
- Shaft Generator (PTO) 400 kWe
- 1 CP Propeller, dia. 4.00m
- 1 Reduction gear with output for PTO
- PTI x 400kWe
- 1 x Emergency diesel generator, 150kW
- 1 x Bow thruster 550kW

**CLASSIFICATION**
- DNVGL (or equivalent IACS) +1A Tanker for liquefied gas, Ship type 2G (-163°C, 0.50 t/m³, 4.5 barg), E0, Gas fueled.
- Recommended additional notations: ICE class up to 1A*, Gas bunker, RP-1 (20%), NAUT-OC, BWM-T, CLEAN, TMON, BIS