



## 242 m LNG-powered ultra-large Ro-Ro

### General:

The first generation of LNG-powered ultra-large RoRo vessels for Wallenius-SOL. Up to four vessels have been ordered at Yantai CIMC Raffles Offshore Ltd., China. The 1A Super ice-classed vessels will have a length of abt. 242 m and a deadweight capacity of abt. 27,000 t making them largest in the class.

The Vessels will be the first Mega RoRo vessels in the world powered by LNG-fuelled engines, thus eliminating particle emissions and reducing their carbon footprint while at Sea. During port calls the vessels will run on green electricity from shore connections or LNG. Together with other environmentally friendly initiatives the vessels will not only be among the largest in the world, they will also be among the industry leaders of green RoRo vessels.

### Main Particulars:

Length o.a.	241.70 m
Length p.p.	234.25 m
Breadth moulded	35.20 m
Depth to main deck	11.10 m
Draught to summer load line	8.70 m
Deadweight at design draught 8.50 m (1.005 t/m <sup>3</sup> )	Min. 24,600 t

### Capacity:

Crew	22 pers
Passenger	12 pax
Container	800 TEU
Lane meter	5,800 m

### Speed:

Service speed	20.00 kn
Range on LNG	3,600 nm
Range on MGO	3,600 nm

### Machinery and Equipment:

Fuel	LNG and MGO
Main engines	Two (2)
Installed power	21,000 kW (100% SMCR)
Main two (2)	WinGD-Hex50
Aux. engines two (2)	MAN 9L28/32DF
Propellers	Two (2) CPP propellers



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<b>Miscellaneous:</b>	Classification	Lloyd's register
	Class notations	✕ 100A1, Roll on Roll off Cargo Ship, Container cargoes on Weather deck, ShipRight (SDA, CM, ACS(B)), Ice Class IAS FS, *IWS, LI, ✕ LMC, LPPF(GF,NG), UMS, NAV 1, IBS. Descriptive Notes: ShipRight (BWMP(T), SCM, IHM-EU).
	Number of vessels built /to be built	4
<b>Scope of Work:</b>	Contract and Basic Design, including: General Arrangement and technical specification for contract signing General Arrangement and statutory documents Lines plan, CFD and model test assistance Intact and damage stability calculations Noise and vibration Prediction calculations Hull structure design FEM verification of hull structure, global and local Deck outfitting Machinery - engine room design Machinery - system design Machinery - hull engineering HVAC Electric instrumentation and automation	
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