
Press release

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MAN Cryo Lands World-First

FGSS sends boil-off gas to ME-GI main engine vis BOG compressor; minimises methane slip

MAN Cryo, part of MAN Energy Solutions and a leading expert in the field of storage and handling of LNG and natural gas, has announced the signing of a contract with Yantai CIMC Raffles Shipyard for the delivery of the fuel-gas supply systems (FGSSs) to a new series of two dual-fuel, 6,500 pure car carriers for Wallenius Marine on charter to Volkswagen.

Henrik Malm, Managing Director at MAN Energy Solutions, Sweden and Finland, said “This represents yet another world-first for MAN Cryo where the boil-off gas will be sent to the low methane-slip ME-GI via a high-pressure, boil-off-gas compressor. Due to the installed shaft generator, this further reduces the running hours on the auxiliary engines.”

The scope of delivery includes the following:

- port- and starboard-side bunkering stations
- LNG storage tank with a volume of 2,300 m³
- tank connection space with low-pressure vaporizer, BOG heater and two LNG pumps
- high-pressure gas-handling equipment for delivery of gas to MAN B&W ME-GI two-stroke main engine
- boil-off gas (BOG) management system, including one high-pressure compressor
- on-board nitrogen-generation system
- control system as well as gas-detection system.

The FGSSs for the vessels will be delivered during 2023.

About MAN Cryo

MAN Cryo offers systems for the storage, distribution and handling of liquefied gases and has a pioneering reputation within the marine sector and LNG business development. It supplied the world's first LNG fuel-gas system for the 'Glutra' ferry in Norway in 1999, a vessel that is still operational to this day. More recently, in 2013, MAN Cryo supplied the world's first bunker vessel, the 'SeaGas', with operations in Stockholm, Sweden.



Graphical rendering of the new, pure car carrier (courtesy Wallenius)

MAN Energy Solutions enables its customers to achieve sustainable value creation in the transition towards a carbon neutral future. Addressing tomorrow's challenges within the marine, energy and industrial sectors, we improve efficiency and performance at a systemic level. Leading the way in advanced engineering for more than 250 years, we provide a unique portfolio of technologies. Headquartered in Germany, MAN Energy Solutions employs some 14,000 people at over 120 sites globally. Our after-sales brand, MAN PrimeServ, offers a vast network of service centres to our customers all over the world.