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World's First Liquid Hydrogen-powered Vessel wins Ship of the Year Award

Singapore, 30 September 2021 – *MF HYDRA*, a sustainable and innovative ferry designed by Sembcorp Marine's wholly-owned subsidiary, LMG Marin AS, has won the prestigious Ship of the Year Award given by *Skipsrevyen*, a 50 year-old Nordic maritime magazine publication house.

The *MF HYDRA* is a zero-emission vessel operated by Norled and will be the world's first vessel to be powered by liquid hydrogen. At more than 82m long with a capacity of up to 300 passengers and 80 cars, *MF HYDRA* operates at a service speed of about nine knots.

Equipped with an 80m³ liquid hydrogen tank, the vessel is able to ply its route in the fjord area between Hjelmeland, Nesvik and Skipavik for up to three weeks without refuelling. Its sophisticated propulsion system allows batteries to operate in conjunction with the liquid fuel hydrogen fuel cells and also includes a redundancy feature that allows the ferry to sail on biodiesel.

At the Awards ceremony held on 8 September 2021, the Norwegian Prime Minister Ms Erna Solberg made a speech via electronic broadcast and said that *MF HYDRA* was a ground-breaking project that challenged traditional technological solutions and design.

LMG Marin Managing Director Mr Torbjorn Bringedal said, "As the world's first ship powered by liquid hydrogen, *MF HYDRA* is a game-changer for the marine industry. It will pave the way for the adoption of hydrogen as a fuel for shipping and support the International Maritime Organization's goal to halve global greenhouse gas emissions by 2050. LMG Marin, with our extensive track record of innovative naval architecture, is proud to contribute to global decarbonisation efforts and a more sustainable world for current and future generations."



The award-winning MF HYDRA sailing among the fjords of Norway

Notes to Editors

To download the above high-resolution image, please click [here](#).

About Sembcorp Marine

Sembcorp Marine provides innovative engineering solutions to the global offshore, marine and energy industries. Headquartered in Singapore, the Group has close to 60 years of track record in the design and construction of rigs, floaters, offshore platforms and specialised vessels, as well as in the repair, upgrading and conversion of different ship types. Sembcorp Marine's solutions focus on the following areas: Renewables, Process, Gas, Ocean Living and Advanced Drilling Rigs.

Sembcorp Marine's customers include major energy companies, owners of floating production units, shipping companies and cruise and ferry operators. They are supported by four commercial units: Rigs & Floaters; Repairs & Upgrades; Offshore Platforms and Specialised Shipbuilding.

Sembcorp Marine operates shipyards and other facilities in Singapore, Indonesia, the United Kingdom, Norway and Brazil.

Discover more at www.sembmarine.com.

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