

GG5G, Class of Hybrid Eco-friendly vessels

Another green giant, the thirteenth in the GG5G class, has joined the Grimaldi fleet, making it even more modern and eco-friendly: the new fleet member is the *Eco Salerno*, which was delivered on 3 December by the Jinling shipyard in Nanjing, China.

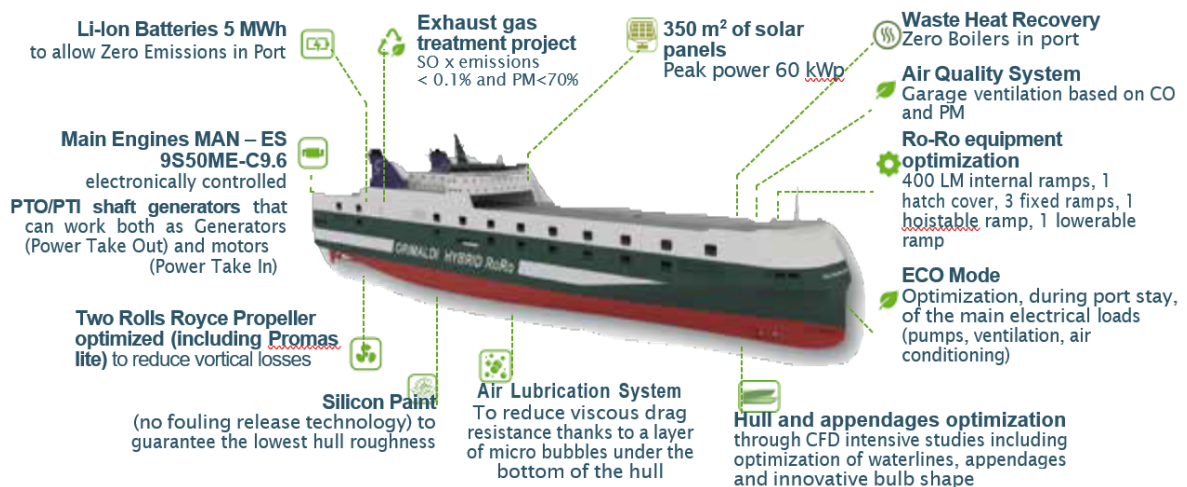


The new GG5G-class ships are a fleet of 14 modern Eco-friendly vessel that have been recognised with “Green Plus” class additional notation, the highest level of RINA environmental sustainability certification, which attests to the most advanced design solutions, on-board systems and operating procedures in terms of environmental performance and compliance with relevant international regulations.

13 of the vessels are now in service with the last vessel arriving during early 2025

This class are some of the largest and most eco-friendly ro-ro vessels in the world for short-sea shipping. They have a length of 238 metres, a beam of 34 metres, gross tonnage of 67,311 and a service speed of 20.8 knots. The loading capacity of seven decks – two of which are hoistable – is twice that of the previous class of short sea ro-ro ships deployed by the Grimaldi Group: the vessels can carry some 7,800 linear metres of freight, equivalent to around 500 trailers and 180 cars.

The increased capacity does not affect fuel consumption, thanks to the adoption of numerous highly innovative technological solutions that optimize operational and environmental performance: in fact, at the same speed, the new GG5G’s consume the same amount of fuel as the previous generation ro-ro ships and is therefore able to halve CO₂ emissions per unit transported.



The new ships are equipped with state-of-the-art, electronically controlled engines and with an exhaust gas cleaning system for the reduction of sulphur and particulate emissions. In addition, while berthed, the class reach the “Zero emission in port” target: during port operations, she uses the electricity stored in mega lithium batteries with a total power of 5 MWh; these are recharged during navigation thanks to shaft generators and 350 m² of solar panels.

The GG5G along with the other classes of Eco-friendly entering service reinforce the Grimaldi Groups commitment so lessen the impact of shipping and global transportation on the global ecosphere