



GRIMALDI FLEET: RINA CERTIFIES THE IMPROVEMENT OF ITS ENERGY EFFICIENCY

Genoa/Naples, 12 May 2021 – The latest generation of GG5G-class (Grimaldi Green 5th Generation) ro-ro vessels built for the Grimaldi Group has seven times better CO₂ emission intensity performances than previous generation ships. This emerged from an in-depth study, validated by RINA (Registro Italiano Navale), relating to the calculation of the energy efficiency index of ro-ro ships belonging to different classes.

The assessment evaluated CO₂ emissions in terms of kilograms per distance (nautical miles) and cargo capacity (trailers). The data were collected on specific ro-ro ships and on single vessels representing entire classes; these included the *Aysha*, *Eurocargo Trieste*, *Eurocargo Valencia* (Visentini class), *Eurocargo Palermo* (Hyundai class) and the most recently delivered *Eco Livorno* (GG5G class).

Specifically, the analysis showed that the index of the GG5G-class vessels – the latest generation ships in the Grimaldi fleet – are more than seven times better than those relating to the first generations of ro-ro vessels.

RINA and the Grimaldi Group continue to validate and explore innovative solutions for the reduction of emissions, as part of the energy transition process that the shipping world is implementing. According to the IMO objectives, in fact, by 2050 the total annual greenhouse gas emissions produced by maritime transport should decrease at least by 50%, compared to 2008 levels.

In particular, with the recent entry into service of the *Eco Valencia*, *Eco Barcelona*, *Eco Livorno* and *Eco Savona* – the first four of 12 hybrid ro-ro ships ordered from the Chinese Jinling shipyard – the Grimaldi Group confirms its continued commitment to investing in innovative technological solutions. These include the use of mega batteries installed on board and put into operation when GG5G-class ships are at berth, the Air Lubrication System (ALS) to reduce hull resistance, solar panels, peak shaving and Waste Heat Recovery.

Giosué Vezzuto, Executive Vice President Marine at RINA, commented: "*The analysis performed is essential to ensure that the Grimaldi Group has constant control of the consumption and energy performance of his fleet. The goal is not only to comply with current international regulations, but also to progressively get closer to more environmentally sustainable parameters, thus contributing to decarbonization and the reduction of emissions, in order to respond to the ambitious ESG goals on which both RINA and the Grimaldi Group have been investing for a long time*".

P
R
E
S
S
R
E
L
E
A
S
E



"We are particularly satisfied with the validation carried out by RINA, because it proves the effectiveness of our choice to invest in this new generation of ro-ro ships", said **Emanuele Grimaldi**, Managing Director of the Neapolitan Group. "This confirms that the GG5G-class ships, in addition to being the largest ro-ro vessels in the world for short-sea transport, are also by far the most environmentally sustainable ones", concluded Emanuele Grimaldi.

The Grimaldi Group, headquartered in Naples, operates a fleet of over 130 vessels and employs approximately 16,000 people. Wholly owned by the Grimaldi family, it is a multinational logistics Group specialised in the operation of roll-on/roll-off vessels, car carriers and ferries. It comprises six shipping companies, namely: Grimaldi Deep Sea, operating in the transport of rolling cargo and container on the Atlantic routes and between the Mediterranean and West Africa; Grimaldi Euromed, specialized in the transport of rolling freight in Europe, in the Motorways of the Sea and in the transport of passengers in the Mediterranean with the Grimaldi Lines brand; Atlantic Container Line, which offers transport services for containers and rolling cargo between North America and North Europe; Malta Motorways of the Sea, shipowning company; Minoan Lines, operating in Greek cabotage for the transport of freight and passengers; Finnlines, operating in freight and passengers transport in the North and Baltic Sea.

The maritime connections are the core of an advanced logistics chain, which includes port terminals and road transport companies. The 22 port terminals owned/operated by the Grimaldi Group are located in 12 countries around the world: Italy (Salerno, Monfalcone, Civitavecchia, Catania, Gioia Tauro, Savona Palermo & Livorno), Spain (Barcelona, Valencia and Sagunto), Germany (Hamburg), Sweden (Wallhamn), Finland (Turku & Helsinki), Denmark (Esbjerg), Ireland (Cork), Belgium (Antwerp), Egypt (Alexandria), Cameroon (Douala), Nigeria (Lagos), Benin (Cotonou). Most of these terminals are fitted with Pre-Delivery Inspection (PDI) facilities, warehouses and workshops.

RINA provides a wide range of services across the Energy, Marine, Certification, Real Estate and Infrastructure, Mobility and Industry sectors. With revenues of 485 million euros expected for 2020, over 3,900 professionals and 200 offices in 70 countries around the world, RINA participates in the main international organizations, always contributing to the development of new regulatory standards.

For more information:

Grimaldi Group Contacts

Paul Kyprianou
Head of External Relations
+39 081 496246
+39 320 4076539
kyprianou.paul@grimaldi.napoli.it

RINA Contacts

Giulia Faravelli
External Communication Senior Director
+39 348 6805876
giulia.faravelli@rina.org

Paolo Ghiggini
Head of Media Relations & Social Media
+39 340 3322618
paolo.ghiggini@rina.org

Victoria Silvestri
International Media Relations
+39 334 6539600
victoria.silvestri@rina.org

P
R
E
S
S
R
E
L
E
A
S
E