

THE GRIMALDI GROUP TAKES DELIVERY OF THE *GREAT TEMA*

The third "G5"-class multipurpose ro-ro vessel stands out for her loading capacity and eco-sustainability. She will soon be deployed between Northern Europe and West Africa.

Naples, 20 December 2023: This morning, the third ro-ro multipurpose unit belonging to the innovative "G5" class was delivered to the Grimaldi Group at the Hyundai Mipo Dockyard Co. Ltd shipyard in Ulsan (South Korea). Her name is **Great Tema**; like all six units belonging to the same series, she will further improve the quality of the maritime transport services offered by the Neapolitan company between Northern Europe and West Africa.

With length of 250 metres, beam of 38 metres and deadweight of 45,684 tonnes, the design of the **Great Tema** is the result of a careful study of the needs of the Group and its customers: thanks to an innovative and completely customized internal configuration, the G5-class ships are able to transport 4,700 linear metres of rolling freight, 2,500 CEU (Car Equivalent Units) and 2,000 TEU (Twenty Foot Equivalent Units). Compared to the previous G4-class, the new vessels have the same capacity for rolling freight while their container capacity is double.

In addition to loading capacity, the **Great Tema** stands out on account of her numerous cutting-edge, technological solutions aimed at increasing energy efficiency and reducing environmental impact. Both the main engine and the auxiliary diesel generators will meet the NO_x levels imposed by the Tier III regulation, while the integrated propulsion system between rudder and propeller will minimize vortex losses and, consequently, optimize propulsive efficiency and reduce fuel consumption.

The vessel is designed for cold ironing with shoreside supply of electricity (where available) as a green alternative to the consumption of fossil fuels during port stays. Furthermore, the electrical consumption of on-board machinery (pumps, fans, etc.) is reduced thanks to the installation of variable frequency drive devices, while the application of innovative, low friction paints reduces hull resistance, thus increasing efficiency. Last but not least, the ship is equipped with hybrid exhaust gas cleaning systems for the abatement of sulphur and particulate emissions.

As proof of her high energy and environmental efficiency, the **Great Tema** enables a reduction of CO₂ emissions per tonne transported of up to 43% compared to other Grimaldi con-ro multipurpose ships.

"The entry into the fleet and the operation of ships like the Great Tema brings us ever closer to the major, primary goal of sustainable transport", stated Gian Luca Grimaldi, President of Grimaldi Group S.p.A. "Indeed, for years we have clearly and concretely pointed our investments in this direction: to meet our customers' needs while further reducing the environmental impact of maritime transport".

From February 2024, the **Great Tema** will operate regularly on the Northern Europe-West Africa route. Like her sister ships **Great Antwerp** and **Great Lagos**, which were delivered to the Group in April and August 2023 respectively, she will serve the ports of Amsterdam, Hamburg, Tilbury, Casablanca, Santa Cruz de Tenerife, Freetown, Cotonou, Lagos, Tema, Takoradi, Abidjan and San Pedro.

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The Grimaldi Group, headquartered in Naples, operates a fleet of over 140 vessels and employs approximately 18,000 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 seven 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; Trasmed GLE, active in the transport of freight and passengers between mainland Spain and the Balearic Islands.

The maritime connections are the core of an advanced logistics chain, which includes port terminals and road transport companies. The over 20 port terminals owned/operated by the Grimaldi Group are located in 12 countries around the world: Italy, Spain, Germany, Sweden, Finland, Denmark, Ireland, Belgium, Egypt, Cameroon, Nigeria, Benin. Most of these terminals are fitted with Pre-Delivery Inspection (PDI) facilities, warehouses and workshops.