

MARE GROUP ACCELERATES HYDROGEN APPLICATIONS IN AEROSPACE & DEFENSE: GREEN LIGHT FOR THE CRYOSTAR EU PROJECT

An ambitious research project involving 13 partners from 6 European countries to develop innovative liquid hydrogen cryogenic tanks.

Salerno (SA), June 3, 2025

Mare Group S.p.A. (ticker **MARE.MI**), an engineering company listed on Euronext Growth Milan and active in Italy and abroad in innovation through enabling technologies (“**Mare Group**”, the “**Company**” or the “**Group**”), announces that the European Commission has approved the **CRYOSTAR** project under the **Horizon Europe – Clean Aviation Joint Undertaking** programme.

The project, which received an **excellence rating**, aims to develop an innovative certification methodology for **liquid hydrogen cryogenic tanks** intended for **next-generation commercial aircraft**.

CRYOSTAR is an ambitious Research & Innovation Action (RIA) addressing one of the main challenges of the aerospace energy transition: the safe storage of liquid hydrogen on board. The activities amount to €5,059,181.75, fully funded by non-repayable grants, with a share of €726,875 allocated to Mare Group, of which 50% is expected to be advanced by 2025. The objective is to integrate innovative tanks within the rear fuselage of CS-25 aircraft to ensure containment, impact resistance, and compliance with future regulatory requirements.

Mare Group is one of the **main industrial partners** in the project and will be responsible for the development and validation of structural systems and containment devices capable of absorbing impact loads and preserving tank integrity in **emergency scenarios**, through **full-scale testing, advanced numerical simulations**, and direct interaction with international aeronautical authorities.

The CRYOSTAR consortium involves 5 universities and research centers and 8 high-tech companies, in a multidisciplinary collaboration that integrates engineering, academic, and regulatory expertise at the continental level.

Antonio Maria Zinno, CEO of Mare Group, commented: *“Working on standards and technologies enabling the adoption of hydrogen in a strategic sector such as aviation strengthens Europe’s technological autonomy in a highly complex field. This is a path that Mare Group pursues through the development of mission-critical projects and active participation in major European innovation networks.”*

Luigi Di Palma, General Manager, added: *“The adoption of hydrogen in aeronautics is driving growing demand for high-value engineering solutions and large-scale integration capabilities. Thanks to recent acquisitions, Mare Group has strengthened its design and production capacity, positioning itself as a partner of choice for the main industrial players leading this transformation. The expertise and technologies developed in this field are expected to have an impact in other sectors facing similar challenges in terms of safety, efficiency, and energy transition.”*

The project is part of Mare Group’s strategic plan focused on the development of advanced technologies in the infrastructure and aerospace sectors, further strengthening the Group’s role in major European innovation programmes.

In addition to Mare Group, Italian partners include: Università degli Studi della Campania Luigi Vanvitelli, Aero Sekur S.p.A., Airizon S.r.l., Dream Innovation S.r.l., and Novotech Aerospace Advanced Technology S.r.l. The international partnership comprises Cranfield University (UK), IBK-Innovation GmbH & Co. KG (DE), Siec Badawcza Lukaszewicz-Instytut Lotnictwa [ILOT] (PL), Sintef Energi AS (NO), Technische Universiteit Delft, Stichting Koninklijk Nederlands Lucht- en Ruimtevaartcentrum [NLR], and Fokker Next Gen N.V. (NL).

This press release is available on the Company’s website <https://www.maregroup.it/investor-relations> and on the authorized system for the transmission and storage of regulated information “1INFO” at <https://www.1info.it/>.



About the Company

Founded in 2001, Mare Group is an engineering company listed on Euronext Growth Milan, active in the areas of Applied Engineering and Digital Services, with a technology platform-based model. With over 2,000 clients, more than 500 employees, and 18 operational and commercial offices, Mare Group is a key player in the Italian innovation ecosystem. Significant investments in R&D and the 16 acquisitions completed since 2019, followed by subsequent mergers, demonstrate the Group's strong ability to integrate complementary resources and technologies, expand its product portfolio, and increase its market presence.

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