



ECOMEMBRANE S.P.A. OBTAINS PATENT FOR LOW-PRESSURE GAS HYDROGEN STORAGE

The new patent, issued by the Italian Patent and Trademark Office, will allow the company to develop storage systems that reduce the management costs of green hydrogen while increasing current safety levels.

Gadesco Pieve Delmona (CR), May 16, 2023 - Ecomembrane S.p.A. (ISIN IT0005543332), leading company in the design and construction of gas storage and containment systems for the production of green energy, listed on the EGM segment of Borsa Italiana S.p.A., announces that - following the successful examination phase - the Italian Patent and Trademark Office (U.I.B.M.) in Rome has notified the company of the grant of the following Patent Certificate for Industrial Invention:

Granted Patent relating to application no. 102021000006764 of March 22, 2021, entitled: "PNEUMATIC MEMBRANE GASHOLDER FOR LOW-PRESSURE GASEOUS HYDROGEN STORAGE."

Thanks to the new patent, Ecomembrane will be able to develop systems capable of storing low-pressure hydrogen produced from renewable sources, reducing significantly the management costs of hydrogen itself. The gasholder created using the new patent will reduce energy consumption for storage, making hydrogen more cost-effective and accessible as a source of green energy transformation.

Furthermore, the patent includes a series of technical solutions that enhance the safety level in hydrogen storage.

Lorenzo Spedini, CEO of Ecomembrane, stated:"We are very pleased to have obtained this patent, which brings the number of our active patents to 10, confirming the validity of our R&D activities that position Ecomembrane among the most advanced companies in our industry. In particular, we believe that this patent can open up new possibilities for low-pressure hydrogen storage in the short term, with positive effects on the company's turnover and environmental returns."

The company will present the new patent at the Hydrogen Expo event in Piacenza, scheduled from May 17 to 19.

About Ecomembrane

Ecomembrane S.p.A., based in Gadesco Pieve Delmona (Cremona, Italy) and North Little Rock (Arkansas, USA), has been in the renewable energy and biogas sector since 2000 and is led by Founder and CEO Lorenzo Spedini. Ecomembrane calls itself among the founding fathers of membrane gasholders of the modern era and specializes in the production of gasholders, gasholders domes for anaerobic digestors, anti-emission covers using PVC-coated polyester fiber fabric membranes, and every component of products necessary for biogas combustion and power generation. With 10 patents in the field, the Company designs, manufactures, markets and installs components for biogas and biomethane production plants and systems for storing gases such as biogas, methane, CO₂, hydrogen. Currently, the Company employs 40 employees and has a

commercial presence on all continents and in 40 countries, with offices and production units in Italy and the USA. More than 1,000 products are installed and tested worldwide, from Minnesota (USA) to South Korea, Italy, Turkey and Malaysia. The sales network is followed directly by Ecomembrane personnel for the Italian and American markets, while for the rest of the world it relies on an extensive network of distributors.

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