

## **GRANT OF €194 MILLION ASSIGNED TO NEXTCHEM AS PART OF THE “IPCEI Hy2USE” EU PROJECT FOR THE DEVELOPMENT OF THE FIRST WASTE TO HYDROGEN PLANT IN THE WORLD**

- **The project sets up the Hydrogen Valley of Rome, the first industrial-scale technological hub for the development of the entire national hydrogen supply chain**
- **The *waste-to-hydrogen* plant will produce up to 20,000 tons/year of hydrogen at full capacity, using 200,000 tons/year of non-recyclable solid waste as raw material**

*Milan, 22 September 2022* - **Maire Tecnimont S.p.A.** announces that its subsidiary **NextChem** has been assigned a **€194 million grant for the development of a *waste-to-hydrogen* plant** as part of the "IPCEI Hy2Use" EU project. The project sets up the Hydrogen Valley in Rome, the first industrial-scale technological hub for the development of the national supply chain for the production, transport, storage and use of hydrogen for the decarbonization of industrial processes and for sustainable mobility.

The grant will be disbursed during the construction phases of the plant. The next steps concern the start of the project activities and all the necessary permits, in order to ensure the plant start-up in the first half of 2027, in compliance with the funding. In the initial phase a production of 1,500 tons/year of hydrogen and 55,000 tons/year of ethanol is expected. The production of hydrogen will grow according to its demand, up to 20,000 tons per year, proportionally reducing the volumes of ethanol. Thanks to NextChem's proprietary technology, developed by its subsidiary MyRechemical, the plant will use 200,000 tons/year of non-recyclable solid waste as raw material, thus also contributing to optimizing the waste treatment cycle in Rome through a conversion process significantly reducing total CO2 emissions.

The European project also includes a contribution of approximately €4 million for additional research and development activities in waste-to-hydrogen technology, leveraging scientific partners such as Enea, Fondazione Bruno Kessler and La Sapienza University of Rome.

The non-repayable IPCEI grant supports the activities carried out by the parties involved in the implementation of Important Projects of Common European Interest (IPCEI). The Fund, supported by the Italian Ministry of Economic Development, will allow Maire Tecnimont Group's industrial model to become a worldwide best practice for the valorization of waste and the production of hydrogen as well as other chemicals, while significantly reducing CO2 emissions.

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**Alessandro Bernini, CEO of Maire Tecnimont Group and of NextChem**, commented: "We are proud of the goal achieved by Maire Tecnimont Group with NextChem, and of the recognition of the industrial and technological skills of our Country by the European Union to develop a low-carbon and low-cost hydrogen economy. This project, which is unique in the world, represents a milestone in the development of technologies combining circular economy and green chemistry. It enables us to act as pioneers in the decarbonization of hard-to-abate industries, with a model that can be replicated in other countries".

**Maire Tecnimont S.p.A.**

Maire Tecnimont S.p.A., a company listed on the Milan Stock Exchange, heads an international industrial group that is a leader in the transformation of natural resources (plant engineering in downstream oil & gas, with technological and execution competences). Through its subsidiary NextChem, it operates in the field of green chemistry and the technologies to support the energy transition. Maire Tecnimont Group operates in about 45 countries, through approximately 50 operative companies and about 9,300 people. For more information: [www.mairetecnimont.com](http://www.mairetecnimont.com).

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