

## **NEXTCHEM KICKS OFF THE ENGINEERING PHASE OF ROME HYDROGEN VALLEY (IPCEI HY2USE) AND AWARDS LANZATECH THE PROCESS DESIGN CONTRACT FOR THE CIRCULAR ETHANOL UNIT**

- **The contract relates to the syngas fermentation section of NextChem Hydrogen Valley to produce circular ethanol as initial co-product together with Circular Hydrogen™**

*Milan, 24 October 2022* – **Maire Tecnimont S.p.A.** announces that **NextChem**, through its subsidiary MyRechemical, **has kicked off the engineering phase of Hydrogen Valley in Rome**, which is based on NextChem's waste-to-chemical technology and has received the EU Commission grant within IPCEI HY2USE initiative, as already communicated.

NextChem has started, through MyRechemical, the engineering of waste conversion to Circular Gas™ that will be the feedstock for the ethanol and hydrogen production. In this framework, NextChem has awarded LanzaTech an engineering contract to deliver a process design package for a syngas fermentation unit to produce circular ethanol for sustainable mobility and chemicals based on its biocatalyst technology.

MyRechemical's chemical conversion technology allows the recovery of waste that cannot be mechanically recycled as well as other types of non-recyclable dry waste. The engineering phase of the Hydrogen Valley is expected to be completed in 2023.

LanzaTech is a global leader in gas fermentation, making sustainable fuels and chemicals via biological conversion of waste carbon emissions, including industrial off-gases. LanzaTech's expertise in fermentation scale up, reactor design, machine learning and synthetic biology has enabled the company to commercialize its recycling process and demonstrate production of 100 different chemicals.

**Alessandro Bernini, Chief Executive Officer of Maire Tecnimont Group and NextChem:** "We are very proud to have started the engineering activities of the first NextChem Hydrogen Valley. This agreement with Lanzatech is the first deployment of the existing cooperation with such a recognized player and represents an important step forward in our energy transition journey".

### **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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