

NEXTCHEM IS GROWING IN CIRCULAR ECONOMY AND LAUNCHES MYRECHEMICAL, ITS SUBSIDIARY FOR WASTE TO CHEMICAL TECHNOLOGIES

- **Maire Tecnimont Group's company for energy transition strengthens its corporate structure to meet the market with the most innovative technological solutions for circular economy: the new subsidiary MyRechemical is entirely dedicated to the technologies for chemical conversion of waste for the production of hydrogen, methanol, ethanol and "circular" derivatives.**

Milan, November 9, 2020 – Within just weeks after the launch of MyReplast™ trademark for Upcycling technology of recyclable plastics, **Maire Tecnimont** company for energy transition **NextChem** launches **MyRechemical**, a new subsidiary entirely **dedicated to chemical valorization of non-recyclable plastics and "Waste to Chemical" processes**. Thanks to this additional initiative, NextChem can offer a complete and integrated platform on industrial scale for the recovery of all types of plastic waste.

MyRechemical's technological portfolio allows to produce different chemical products and circular fuels, low carbon and high value added. Circular products, obtained by the recovery through chemical conversion of waste, allow to reduce CO₂ emissions when used in place of products derived from hydrocarbons and to avoid emissions generated by waste incineration, increasing the recycling rate.

NextChem's initiative is a result of the positive feedback on proposals related to Waste to Chemical (on which the company is working for several projects with oil companies, including Eni). A dedicated formal entity was created to concentrate technical skills that are necessary to the development and commercialization of a technological solution, which is getting increasing interest from the market. The CEO is the engineer Giacomo Rispoli, already in charge of Waste to Chemical of NextChem, with decades of experience in Oil&Gas sector and in industrial technologies and energy transition.

The platform is the result of the integration between different proprietary and licensed technologies. The core of the process is the chemical conversion of carbon and hydrogen contained in waste (non-recyclable plastics, RDF and dry fraction) by partial oxidation and subsequent purification, from which a low carbon syngas is obtained, able to be

converted with process extension into hydrogen, methanol, ethanol and derivatives, products with a lower carbon content than those from fossil sources, which can be included in the category of sustainable fuels.

This solution combines environmental benefits of circular economy and of decarbonization and fits with the world-wide need for refineries to be converted into green processes. This is necessary for the energy transition from fossil fuels to renewable energy, with the aim to contain the rise in temperature of the planet and climate changes.

“Through MyRechemical, today NextChem is able to offer a concrete and immediately available platform for the conversion of traditional industrial sites through green chemistry”, commented **Pierroberto Folgiero, CEO of NextChem and Maire Tecnimont Group**. “The great availability of municipal solid waste and non-recyclable plastics makes them a “New Oil” with great potential: thanks to our engineering in waste chemistry, it is possible to recreate carbon chemistry without starting from hydrocarbons”.

Maire Tecnimont S.p.A. Listed on the Milan Stock Exchange is the head company of an industrial group, a leader in the natural resources processing industry (plant engineering in oil & gas downstream, with advanced technological and executive skills). Through its subsidiary, **NextChem**, the Group operates in the field of green chemistry; NextChem develops, designs and markets technologies for the energy transition, to produce chemical products sourced from non-fossils. NextChem roadmap goes in three directions: lower climate impact of traditional plants through industrial technologies that use renewable energy sources and CO2 capture and recovery; the production of intermediate products and chemicals from bio-sourced raw materials; advanced recycling (Upcycling) of plastic waste and chemical recycling. Maire Tecnimont Group is present in 45 countries, has about 50 operating companies, and about 9,100 people. For more information: www.mairetecnimont.com, www.nextchem.com

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