



PRESS RELEASE

Ecospray: new plants in Europe for Ruhe Group

The Italian solutions for micro-liquefaction lead the biomethane revolution

Alzano Scrivia (AL), Italy – July 26, 2023 – **Ecospray's** leadership in biomethane liquefaction is growing stronger. The Italian company, specialising in the development of cutting-edge biofuel-producing solutions using its micro-liquefaction systems, has signed new deals with **Ruhe Group – Green Line Liquid Anlagenbau** for the development of eight new plants in Europe for biomethane production and micro-liquefaction (bio-LNG) from manure and agriculture waste.

Expectedly, the new plants should be delivered as from the last quarter of 2023. The expected overall output is in excess of 60 ton of bio-LNG per day. As a fuel, liquefied biomethane will avoid 168.000 tons of CO₂eq emissions a year.

The new projects strengthen the existing partnership between Ecospray and Ruhe which under agreements dated 2021 and 2022 have already been working together at several plants for biomethane and CO₂ liquefaction. The first of the plants has been installed and is operational in Darchau, Lower Saxony.

*“After a long period of trials and research, Ecospray had developed an optimised liquefaction technology that enables us to deliver the best results in methane, biomethane and CO₂”, stated **Alberto Di Cecio, General Manager at Ecospray**. “It is with deep satisfaction that we look to the energy transition and liquefaction markets. We have more than 20 plants under construction which will expectedly be commissioned between 2023 and 2024. Such orders are worth about 90 million euros overall. Such plants will be delivered in Italy, in Europe and in the United States; this is evidence of how rapidly such market is growing all over the world. We are committed to providing the best options to enable a wide range of industries to play a key role in moving towards a global net-zero economy”.*

The added value of the versatility of Ecospray plants

Ecospray is one of the very first players to have brought the bio-LNG market closer at hand with a strong focus on micro-scale production. In the bio-LNG industry, the company provides cross-cutting options ranging from pre-treatment to liquefaction via upgrading.

In particular, Ecospray's micro-liquefaction systems provide significant versatility as they can be used with any kind of new or existing upgrading unit (e.g.: VPSA-Vacuum Pressure Swing Adsorption, membrane separation, chemical absorption).

Biomethane: a driver of ecological transition

Biomethane is the only ready-to-use, completely carbon-neutral solution currently available on the market. In its liquid form, bio-LNG, it may be used in heavy transport and in the maritime industry. It plays a key role in the ecological transition and is a potential driver of a country's economic growth.

This launch on interesting European markets supports Ecospray's smart decision to consider bio-LNG a “transnational” resource, which may be easily carried and sold abroad.



About Ecospray

From research to development, Ecospray specializes in the creation of integrated solutions for the sustainable conversion of marine and land-based industries, as well as for the reduction of dependence on fossil fuels. Founded in 2005, Ecospray, market leader in the exhaust gas cleaning systems for marine diesel engines (EGCS), has been part of the Carnival Group since 2013.

The company operates globally, offering diverse technologies which range from air and gas cleaning and treatment systems (DeNO_x, DeSO_x, filtration, gas cooling and fogging) to the creation of biofuels and the generation of clean energy (biogas upgrading, CH₄ and CO₂ liquefaction, fuel cells).

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