

PRESS RELEASE

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Hydrogen, CO2 and synthetic fuels

NaTran R&I launches a call for expressions of interest in its Jupiter 1000 Power-to-Gas technology platform

NaTran R&I, NaTran's research and innovation centre, has announced the launch of a call for expressions of interest (CEI) to put its Jupiter 1000 industry and technology platform at the service of the energy transition and all actors in France invested in the development of the hydrogen, CO2 and synthetic fuel sectors.

Jupiter 1000, located in Fos-sur-Mer (south of France) within the Innovex industry and energy incubator at the Grand Port Maritime de Marseille, is the first Power-to-Gas industrial demonstrator in France. Launched in 2016 by NaTran and led by a consortium of industrial and academic stakeholders, the platform utilises renewable electricity to produce hydrogen through electrolysis and synthetic methane (also known as e-methane) through methanation (mixing hydrogen and CO2). The aim of the technology is to develop solutions for storing renewable electricity as renewable gas which can then be injected into the gas transmission network.

In 2024, Jupiter 1000 completed its initial test phase with flying colours, proving its technological ability to produce hydrogen and synthetic methane and inject them into the transmission network.

Jupiter 1000 is now entering a new phase and is seeking to develop new partnerships in the following areas:

- Running projects utilising Power-to-Gas technologies, primarily focused on hydrogen, synthetic methane and CO2;
- Technical access to testing and experimentation facilities;
- Provision of training and awareness programmes for handling hydrogen.

The CEI, open to companies, research organisations, academic institutions and project developers looking to develop synergies with Jupiter 1000, will close on 23 June 2025*.



An innovation platform supporting the energy transition

The Jupiter 1000 site boasts a wide range of equipment and facilities that are available for use to support various research and experimentation projects. The equipment and facilities available include two electrolyzers with a combined total capacity of 1 Mwe, a methanation unit, a gas analysis laboratory, compression and storage installations and an injection station for the gas network.

Due to its attractive setting, the site receives between 200 and 300 visitors annually, ensuring all hosted projects will benefit from greater visibility.

An approach targeting carbon neutrality goals

NaTran is working towards a decarbonised energy system that is safe and accessible to everyone. The company is actively contributing to building a sustainable energy future by supporting renewable gas sectors like methanation, pyrogasification, hydrothermal gasification and Power-to-Gas technology. The CEI fully fits in with this approach, promoting the emergence of innovative solutions and fostering stronger synergies between industrial, academic and public stakeholders.

Visit the platform's website for more information: www.jupiter1000.com

*Submissions must be sent by email, together with the duly completed form available [online on the NaTran R&I](#) website and any other relevant documentation. Open-ended responses are also welcome, provided that they contain sufficient information for the submission to be properly assessed.

About NaTran: NaTran is the new name of GRTgaz. To mark 20 years in business, in 2025 the company is starting a new chapter in its history by changing its name and steering its corporate project NaTran2030 to focus on driving the energy transition and achieving carbon neutrality by 2050. To reach its goals, the company is adapting its network and its practices to the evolving environmental, economic and digital landscapes. It offers infrastructure and a logistics system adapted to the gases underpinning the energy transition (biomethane, H2 and CO2). *NaTran is Europe's second-largest gas transmission network. The Group has two subsidiaries: Elengy – the European leader in LNG terminals, and NaTran Deutschland, which operates the MEGAL network. NaTran fulfils a public service mission, ensuring the safety of gas transmission for all its customers. Its research centre NaTran R&I (previously RICE) has become an international standard in the field of research and innovation applied to the energy transition. NaTran Groupe key figures: 33,800 km of pipes, 590 TWh of gas transported, almost 3,850 employees, €2.5 billion revenue in 2024. To learn more about NaTran and its initiatives, visit NaTrangroupe.com, [X](#), [LinkedIn](#) and [Instagram](#).*

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