

JOINT PRESS RELEASE NIPPON GASES AND SOL

Nippon Gases Group and SOL Group together for a sustainable project using carbon dioxide from natural sources

Nippon Gases and SOL are protagonists of an exemplary model of sustainability that involves the use of geothermal carbon dioxide. The production initiative was born in Tuscany, near the geothermal power plants of Piancastagnaio (SI), Italy, where **Nippon Gases**, thanks to an exclusive industrial partnership with **Enel Green Power**, is building a new plant for the reuse, purification and liquefaction of CO₂ naturally present in geothermal fluids, exiting the power plants.

The project will also allow **SOL** to have access to Nippon Gases' natural source, because of the significant contribution it has made to the construction of the production infrastructure.

Enel Green Power will make available the geothermal fluid, exiting the plants at the end of the renewable energy production cycle, to allow Nippon Gases and SOL to reuse the natural carbon dioxide thanks to an innovative process that, using the best technologies available on the market, will allow the purification and liquefaction of CO₂.

The natural CO₂ thus produced will meet the most stringent quality requirements, and will satisfy the needs of different industrial sectors, such as food, chemical, pharmaceutical and environmental. The new plant, which will be operational in the course of 2025, will generate **over 20 direct and indirect jobs**.

In Tuscany, Enel Green Power Italia manages **the oldest and at the same time most innovative geothermal complex in the world**, which has 34 plants, for a total of 37 production groups, located between the provinces of Pisa, Siena and Grosseto. Geothermal energy, with its 916 MW of installed capacity and an annual production of almost 6 billion KWh, in addition to satisfying 34% of the regional electricity needs and representing more than 70% of Tuscan production from renewable sources, provides useful heat to heat about 13 thousand users, 26 hectares of greenhouses, farms and artisan businesses, also feeding an important sustainable tourism chain with 60 thousand annual visits to museum centers, plants and natural events in geothermal areas. Numbers that consolidate local repercussions and open horizons of sustainable development for the entrepreneurial fabric of the lands from the warm heart of Tuscany.

NIPPON GASES, a leading company in the industrial gases sector in Europe, is part of Nippon Sanso Holdings Corporation, a major international entity with over 100 years of experience in atmospheric and process gases. It has a significant presence in Japan, the United States and Canada, Europe, Southeast Asia, and Australia, operating in 32 countries with over 20,000 employees worldwide. In Europe, it is present in 13 countries with more than 3,000 employees and over 150,000 customers. Nippon Gases' commitment to its customers, employees, partners, and the communities in which it operates reflects its dedication to environmental responsibility and sustainability. Together, we are "The Gas Professionals," with a single goal: improving quality of life through the technological applications of our gases.

SOL is an Italian multinational group operating in Europe, Turkey, Morocco, Brazil, China, India, Ecuador, and Peru in two main sectors: the production, applied research, and commercialization of technical, pure, and medicinal gases (Technical Gases Division) and homecare (Home Care Division). SOL has a turnover of €1,487 million and over 6,500 employees. Furthermore, confirming its commitment to sustainability and environmental concerns, SOL has also invested over the years in renewable energy production, with 16 hydroelectric plants, 6 wind farms, and one solar field, producing renewable energy equal to 14% of the Group's total needs.

Enel Green Power, which manages renewable energy within the Enel Group, boasts a total capacity of approximately 64 GW, with a generation mix that includes wind, solar, geothermal, hydroelectric, and storage plants across Europe, the Americas, Africa, Asia, and Oceania.

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