



Progress beyond

Solvay partners to create a circular economy for soda ash production in Rosignano, Italy

The new partnerships will enable limestone residues from the Rosignano facility to be re-used in construction and agriculture

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Solvay is partnering with two companies to collect and re-use the limestone residues from its soda ash production in Rosignano, furthering the company's commitment to continually optimize the efficiency and sustainability of its operations. Pending further tests, the new partnerships could accelerate the decrease of limestone residues released into the sea, building upon the [action plan announced in September](#) to invest in new technical solutions at the site.

Solvay and [IPSIIS](#), a startup established in Wallonia, Belgium specializing in the manufacture of environmentally-friendly, non-flammable, lightweight and geo-sourced insulating mineral foams, are testing the use of soda ash manufacturing residues to produce specialized construction products. Since 2018, IPSIIS has been labeled a "[Solar Impulse Efficient Solution](#)".

Solvay is also working with the Italian subsidiary of Germany-based [Ferro Duo](#), which specializes in recycling industrial materials, to use the inert solids from soda ash manufacturing as components of fertilizers to enrich soils where precious elements like calcium, sulfur, potassium, magnesium and iron are found.

"We are excited to work with IPSIIS and Ferro Duo to develop the capabilities to create a circular economy for our soda ash production in Rosignano," said Philippe Kehren, president of Solvay's Soda Ash & Derivatives division. "This is the latest example of how we are constantly looking for innovative ways to improve the sustainability of our operations, a key component of our Solvay One Planet Roadmap."

"The IPSIIS process enables the recycling of secondary products to produce lower carbon footprint materials. Partnering with Solvay in this circular economy program is key for IPSIIS's development and fits totally with our company vision and daily commitment," said Gilles Bocabartille, IPSIIS Board Member and Managing Director.



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"With more than 20 years of experience in the business of materials recycling and waste reprocessing, Ferro Duo is excited to be working with Solvay on this ambitious sustainability project and propose a new value-creating application for limestone residues from the Rosignano plant. Together we will develop new products and new market opportunities to recycle industrial residues and create value and employment," said Pietro Squilla, Managing Director of Ferro Duo.

Solvay's Rosignano facility has been manufacturing soda ash and sodium bicarbonate since 1912. These products are made from natural limestone and salt. They serve essential applications, such as the production of glass and air-pollution control systems, as well as applications in the healthcare industry, such as hemodialysis.

Improving the environmental footprint of all Solvay manufacturing sites is an ongoing effort as part of the Group's holistic [One Planet sustainability roadmap](#).

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Solvay is a science company whose technologies bring benefits to many aspects of daily life. With more than 21,000 employees in 63 countries, Solvay bonds people, ideas and elements to reinvent progress. The Group seeks to create sustainable shared value for all, notably through its Solvay One Planet roadmap crafted around three pillars: protecting the climate, preserving resources and fostering a better life. The Group's innovative solutions contribute to safer, cleaner, and more sustainable products found in homes, food and consumer goods, planes, cars, batteries, smart devices, health care applications, water and air purification systems. Founded in 1863, Solvay today ranks among the world's top three companies for the vast majority of its activities and delivered net sales of €10.1 billion in 2021. Solvay is listed on Euronext Brussels and Paris (SOLB). Learn more at www.solvay.com.