

Press release

## Solvay unveils biodigester in Ciudad Juarez, Mexico

Biomethane to replace part of the natural gas used on-site, reducing the site's CO<sub>2</sub> emissions by 12%, versus 2021 baseline.

Brussels, December 4, 2024

Solvay today inaugurates an advanced biodigester at its Ciudad Juarez production site in Mexico. This energy transition project will generate biomethane from organic waste processed locally, replacing part of the natural gas needed to power the site's boiler and kiln operations. Developed by [Franco y Asociados](#), the initiative will reduce the site's CO<sub>2</sub> emissions by 12% versus 2021.



Transitioning from natural gas to biomethane has been challenging, but also rewarding. Making it work in this region required overcoming obstacles like securing a steady feedstock supply, refining biogas into usable biomethane, and adapting existing systems - all while keeping it cost-effective. This achievement demonstrates what's possible with determination and a voluntary commitment to transition to cleaner energy sources.

"This project is particularly important for our site, as energy transitions must be adapted to the unique conditions and resources of our local ecosystem," said **Liliana Villegas, Ciudad Juarez Site Manager**. "We're proud to contribute to Solvay's global sustainability vision while making a positive impact on our community. By converting waste into biomethane, we're not only supporting the Group's goal of reducing global emissions by 30% by 2030, but also creating a more attractive place for talent to grow and thrive."

"We're proud to have completed the biodigester installation at Solvay's facility, managing both the operation and the construction of the pipeline for biomethane transport," said **Rene Franco, CEO at Franco y Asociados**. "This project highlights our dedication to creating waste management solutions, helping both businesses and local communities address challenges while delivering lasting environmental and societal benefits."

Solvay's Ciudad Juarez site is a key production hub for anhydrous hydrogen fluoride (AHF), which is essential for refining high-octane fuels for the automotive and aerospace industries. AHF is also used in applications like stainless steel pickling, glass etching, and titanium refining. The facility is one of three AHF production sites within Solvay's global network, alongside locations in Germany and China, positioning it as a key player in the global hydrogen fluoride market.

The event will bring together local environmental authorities, representatives from local universities, members of the National Association of the Chemical Industry, as well Solvay's employees and their loved ones.

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## About Solvay

Solvay, a pioneering chemical company with a legacy rooted in founder Ernest Solvay's pivotal innovations in the soda ash process, is dedicated to delivering essential solutions globally through its workforce of over 9,000 employees. Since 1863, Solvay harnesses the power of chemistry to create innovative, sustainable solutions that answer the world's most essential needs such as purifying the air we breathe and the water we use, preserving our food supplies, protecting our health and well-being, creating eco-friendly clothing, making the tires of our cars more sustainable and cleaning and protecting our homes. Solvay's unwavering commitment drives the transition to a carbon-neutral future by 2050, underscoring its dedication to sustainability and a fair and just transition. As a world-leading company with €4.9 billion in net sales in 2023, Solvay is listed on Euronext Brussels and Paris (SOLB). For more information about Solvay, please visit [solvay.com](https://www.solvay.com) or follow [Solvay](#) on LinkedIn.

## About Franco y Asociados

[Franco y Asociados Consultores Ambientales](#) is a Mexican company located in Ciudad Juarez, Chihuahua, with more than 30 years of experience in the field of environmental engineering providing its services to the industrial sector in the northern border of Mexico as well as in the United States, through its sister company Franco and Associates, Environmental Consultants Inc. in El Paso, Texas, USA.