



Press Release

Graforce Partners with Sanepar to Establish Methane-Pyrolysis as a Hydrogen & Carbon Removal Technology

Berlin, April 16, 2024 –

We're thrilled to announce a groundbreaking collaboration between Graforce and Sanepar, a leading Brazilian water supply and sewage company controlled by Paraná state. This partnership marks a significant step in establishing methane-pyrolysis as a carbon removal technology.

Together, we aim to produce biogenic hydrogen from the biogas generated at wastewater treatment plants. What sets this initiative apart is our innovative approach to carbon utilization.

Instead of releasing carbon emissions into the atmosphere, the carbon produced during the process will be integrated into building materials such as cement and steel or sequestered in soil. This not only reduces greenhouse gas emissions but also allows the wastewater treatment plants to function as carbon sinks.

Sanepar's extensive experience and expertise in water and waste management, coupled with Graforce's cutting-edge plasmalysis technology, create a powerful synergy to address environmental challenges and promote sustainable solutions.

About

The German company Graforce is a technology leader in sustainable solutions and carbon dioxide removal technologies. The power-to-X plants produce CO₂-free or CO₂-negative hydrogen and synthetic feedstocks – with the highest efficiency and lower infrastructure costs in the multi-megawatt range. Thus, Graforce decarbonizes fossil energies, industrial sectors and the heat, transport and building sectors. www.graforce.com/EN

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