



Biolysis

The Future of CO2 Fixation in Soil

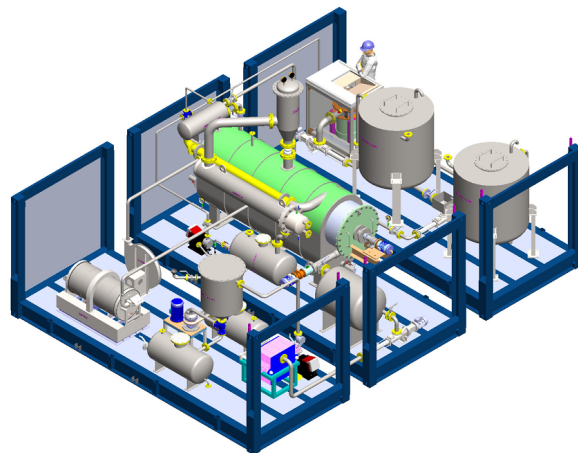
Burning organic waste is not just bad for the environment—it also pumps out large amounts of harmful emissions. Even though methods like carbonization, fermentation, and composting can generate energy or compost, they still release significant greenhouse gases.

Biolysis changes the game. This cutting-edge technology transforms organic waste into pure carbon, specifically hydrochar and humic substances, without emitting harmful gases like CO₂, methane, or nitrous oxide. What nature takes thousands of years to do, Biolysis does in minutes. The carbon and humic substances produced are returned to the soil, boosting soil health, improving water retention, and enhancing nutrient availability.

Soil has a massive carbon storage capacity—much greater than the atmosphere—and this untapped potential can play a key role in climate control. The 4‰ Initiative (COP 21, Paris 2015) emphasized that even a small increase in soil organic matter can significantly lower CO₂ levels in the air. Biolysis is a superior approach to carbon capture and storage (CCS), effectively locking carbon into the soil for thousands of years, contributing to long-term emission reductions.

Biolysis also unlocks new business opportunities. Beyond selling carbon and humic substances, this technology allows for the generation of valuable carbon credits, an increasingly important asset in today's economy. With Biolysis, you're not only investing in the planet's future but also in profitable, sustainable business solutions.

Biolysis technology aligns perfectly with the goals of the Inflation Reduction Act (IRA) by reducing greenhouse gas emissions, enhancing soil carbon storage, and creating economic opportunities through innovative waste management and carbon credit generation. This makes Biolysis a powerful tool in the fight against climate change and a strategic investment for sustainable development.



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An Ag-tech innovation designed by Urban Ponics. (patent pending)

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