

Anaergia converts the biogenic portion of organic waste into renewable natural gas for distribution in municipal power grids or for fleet vehicle fuel. Its proprietary technologies are being used in more than 1,600 renewable ...

Energy Efficiency simply means using less energy to perform the same task - that is, eliminating energy waste. Energy efficiency brings a variety of benefits: and lowering our costs on a household and the whole economy, ...

Beyond established renewable energy, some emerging solutions offer additional pathways for agricultural decarbonization. Geothermal systems can provide consistent heating and cooling ...

Its properties, including high energy density and low boiling point, made it an attractive candidate for various applications. As the world shifted towards more sustainable energy solutions, ...

These startups develop new waste energy technologies such as anaerobic digestion, gasification, pyrolysis, plasma arc gasification, refuse-derived fuel, landfill gas recovery, waste-to-hydrogen, bioreactor landfills, ...

The facility transforms the food waste into carbon-negative renewable energy and nutrient-rich soil amendments, preventing materials from going to landfills where they would emit harmful ...

Microcrystalline cellulose (MCC) has emerged as a significant factor in the anaerobic digestion (AD) of organic wastes, attracting increasing attention from researchers and industry ...

Biogas breakthrough could transform global waste into fuel goldmine researchers found that certain archaeal and bacterial communities adapted well to saline environments, maintaining ...

Sustainable alternative fuels for gas turbines Transform your energy systems with hydrogen, methanol, ammonia, and HVO. Our gas turbines running on sustainable alternative fuels offer flexible, carbon-neutral solutions to ...

As the world shifts toward low-carbon solutions and cleaner energy systems, researchers and engineers are constantly exploring ways to improve renewable energy sources. Among these, ...

Green technology innovations are rapidly transforming Canada's industrial landscape, with breakthrough solutions generating \$18.2 billion in clean technology revenue last year alone. From carbon capture systems that reduce ...



# Renewable energy waste solutions



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