

Waste2Power Solutions

Transforming Waste into Clean Energy with Advanced Gasification Technology



Prepared by greeneuenergy.com

Company Overview

Waste2Power Solutions



Mission and Vision

Waste2Power Solutions aims to address the global waste crisis by leveraging advanced gasification technology to transform waste into clean energy.



Technology

We use modular and mobile gasification units that can process various types of solid waste, including urban, industrial, and medical, to produce energy.



Impact

Our technology reduces waste volume by 97%, cuts emissions, and provides a sustainable alternative to traditional waste management methods.

Problem Statement

Global Waste Crisis

- **Landfills at Capacity:** Global landfills are filling up at an alarming rate, and many regions are running out of space for waste disposal. Landfills are a source of greenhouse gas emissions and soil contamination.
- **Pollutants from Incineration:** Traditional waste incineration releases harmful pollutants, including dioxins and furans, which pose significant health risks to nearby communities.
- **Resource Loss:** Inefficient waste management leads to a significant loss of potentially recoverable resources, further contributing to environmental degradation and economic loss.



Photo by Pop & Zebra on Unsplash

Solution Description

Advanced Gasification Technology

- **Modular Gasification:** Waste2Power's gasification technology can be deployed at the waste source, reducing transportation costs and emissions. Our modular design allows for scalability and mobility.
- **Syngas Production:** The gasification process converts waste into syngas, which can be used to generate electricity and heat. This reduces reliance on fossil fuels and decreases carbon footprint.
- **Environmentally Friendly:** Our solution offers a cleaner alternative to incineration and landfilling by minimizing air pollutants and maximizing resource recovery.



Market Opportunity

Global Waste Management Market

- **Market Size:** The global waste management market is projected to exceed €500 billion by 2025, driven by the need for sustainable solutions and regulatory pressure.
- **Focus on Europe and Latin America:** Waste2Power is targeting regions with growing demand for waste-to-energy technologies, particularly in Europe and Latin America.
- **Emerging Opportunities:** With increasing urbanization and industrialization, the need for efficient waste management solutions is on the rise, opening new avenues for technology-driven approaches.



Traction & Achievements

Milestones and Partnerships



Prototype Validation

Successfully validated our prototype in Brazil, achieving a 97% reduction in waste volume.



Strategic Partnerships

Formed key partnerships with technology and administrative stakeholders in Europe and Latin America.



Patent Filings

Ongoing patent filings in both Europe and Latin America to protect our proprietary technology.

Investment Opportunity

Join Us in Revolutionizing Waste Management



Current Round: Pre-Seed

Raising € 1.5-2 million to finalize the MVP, secure patents, and conduct initial market trials in Europe and Latin America.



Next Steps: Seed Round

Targeting a Seed round within 9 months to begin production and validate operational units in real-world settings.



Contact Information

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