

RePower

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RePower offers an innovative platform featuring sensors and software that enable biogas companies to optimize the conversion of agricultural waste into energy, boosting energy output by 10-30%.

The Problem RePower Addresses:

RePower addresses the challenge biogas companies face in optimizing the conversion of agricultural waste into energy. These companies often struggle with accurately assessing the quality of agricultural waste, which leads to inefficiencies and lower energy production. Low-quality feedstock can reduce biogas plant efficiency by up to 20%, impacting profitability and sustainability. With 14,400 agricultural biogas facilities in Europe, this inefficiency represents a significant market challenge.

Uniqueness of the Solution:

RePower's unique solution combines real-time sensors and advanced software to accurately assess agricultural waste energy potential. This optimizes the conversion process, boosting biogas plant efficiency and energy output by 10-30%, ensuring consistent high-quality feedstock and enhancing profitability.

Business Model:

RePower operates on a subscription fee model, charging €30,000 per year for access to detailed data on waste volume, degradability, and biogas potential for each facility.

Team:

RePower is led by Shir, an experienced CEO with deep expertise in waste management and sustainability. The team includes Professor Beni Lew, a renowned expert in agricultural waste-to-energy, and Professor Alexander Goldberg from Tel Aviv University. Our team brings together technology, agriculture, and business development specialists, ensuring innovative solutions, strategic partnerships, and operational excellence. This unique blend of expertise positions RePower as a leader in the industry.

Market Size and Target Audience:

RePower focuses on agricultural waste, specifically manure and organic agricultural waste, targeting the 14,400 agricultural biogas facilities in Europe. This market represents a revenue potential of approximately €4 billion.