



RePower:

Optimization of Waste for Energy

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Meet the Team



Shir Siman Tov

Co-founder | CEO | Entrepreneur



Zvika Weiss

Co-founder | Entrepreneur



Dr. Zeev Shmilovitz is a leading expert in developing high-precision Near-Infrared (NIR) sensors.

Market Landscape Problems



Quality Assessment Issues:

Biogas companies struggle to assess agricultural waste degradability and potential gas production upfront.



Energy Production Efficiency:

A reduction of up to 20% in biogas production has been observed when low-degradable wastes are used.



Market Scope:

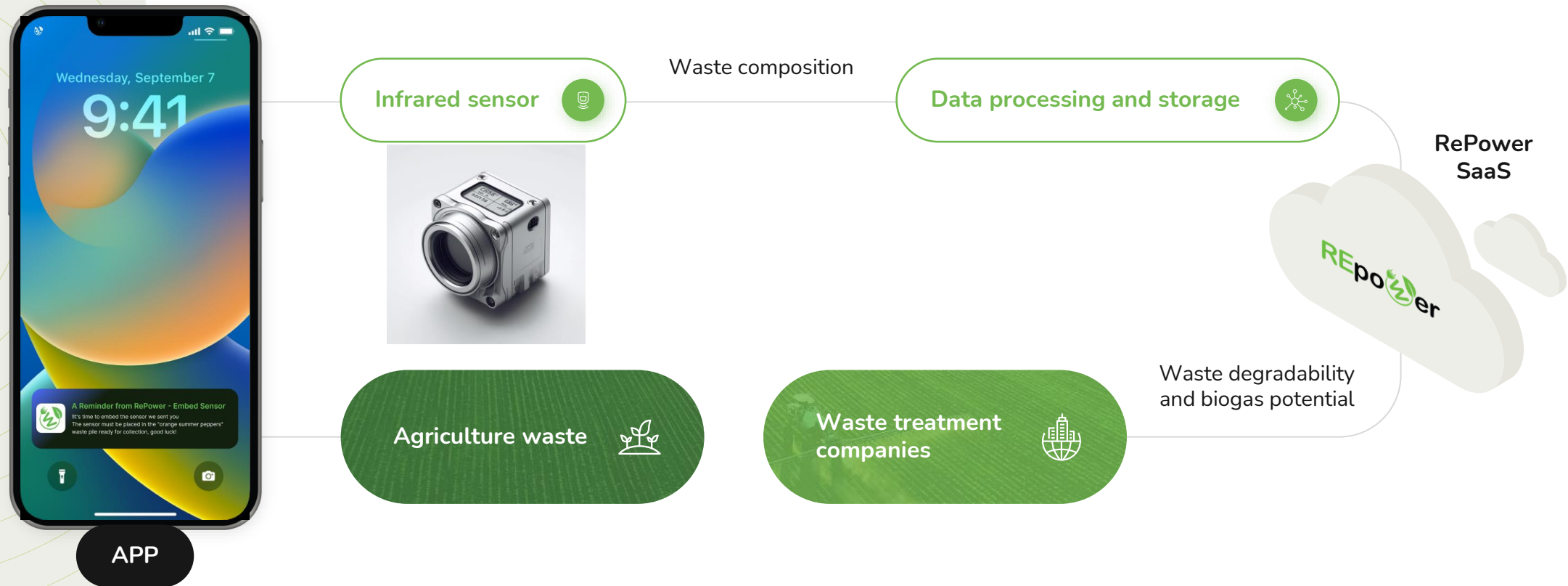
Europe hosts around 15,000 agricultural biogas facilities producing 63,511 GW of electricity per year, with a revenue of around €4 billion.

Our Solution

A platform that integrates sensor and SaaS to optimize the conversion process of agricultural waste into energy for biogas and anaerobic digestion facilities, preventing a reduction in energy production.



Practice



Market Analysis



Companies that Provide Sensors
for Waste Composition Analysis



Companies that offer Optimization
of Waste for Energy



Companies that convert
waste to energy



Waste management
companies



Business Model

Subscription fee for
RePower data of **waste
volume, degradability, and
biogas potential**



€30,000/year

from each facility

**Capturing 10% of the bioenergy market
can generate \$11 billion in revenue.**

Achievements

JNF Grant Awarded

PAPAYA Grant Awarded

First Place at Pitch Night 2024



Innovating Sustainable Solutions



01.

02.

03.