



BIOwayste

Descriptive Summary

BIOwayste is a machine that converts organic waste into cooking gas and fertilizer. Simply add your organic waste to the machine, and it will produce biogas for cooking and liquid fertilizer for your plants. The machine is easy to use and it is fully automated and can save you money and energy costs and waste disposal fees. It is also environmentally friendly and comes in different sizes to suit your needs.

Background

BIOwayste was developed to tackle several key challenges

1. **Waste Management:** Organic waste is a major contributor to the waste stream in many communities and it creates numerous environmental and health hazards. BIOwayste provides a solution for converting organic waste into a useful resource, reducing the amount of waste that ends up in landfills.
2. **Energy:** Traditional gas is often expensive and has negative impacts on the environment. BIOwayste provides biogas that is renewable, low-cost and emits fewer greenhouse gases.
3. **Limited availability of fertilizers** for agricultural production.

Aims and Goals

BIOwayste aims to provide a sustainable solution for organic waste management and energy production by reducing waste, providing a renewable source of cooking gas, producing liquid fertilizer, promoting convenience and accessibility, offering scalability, promoting environmental sustainability, and ensuring economic viability. Its goals are aligned with the principles of sustainability, circular economy, and environmental stewardship.

Actions taken

To achieve its objectives, BIOwayste has taken actions such as investing in research and development, setting up a manufacturing and distribution network, launching educational

campaigns, forming partnerships and collaborations, committing to continuous improvement and implementing marketing and sales strategies. These actions aim to promote a sustainable and circular economy by combining technological innovation, education, collaboration, and business acumen.

Main Achievement to date

BIOwayste has achieved significant milestones, including developing a working prototype and MVP, manufacturing and distributing machines, winning awards and grants, and making a positive environmental impact. These achievements demonstrate the effectiveness of the technology and its potential to address pressing environmental and social issues.

Affiliation

BIOwayste

Keywords

Waste Biogas Biofertilizer

Country

Lebanon

Start year

Mon, 01/06/2020 - 12:00

Total funding

10 - 100k €

Environmental

Medium-High

Social

Medium-Low

Technological

High

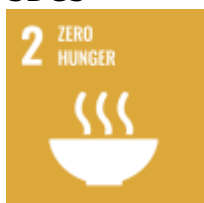
Financial

Medium-Low

Institutional

Low

SDGs



**YouTube**

<https://youtu.be/m1kCcUMImO8?si=dnsB1dedwhtBfcmf>

Website

<https://www.biowayste.com/>

E-mail address

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Nexus Dimensions

Energy

Food

City

Beirut

Source URL: <https://wefe4med.eu/demo/biowayste>