

Agricultural Waste Recycling Solution

Innovative Technologies
For Waste Recycling



▶ About TXI Eco Inc.

TXI Eco Inc. is established with the goal of creating a perfect agricultural circular economy. It simultaneously resolves the two major challenges of waste treatment and energy storage through energy and resource utilization of agricultural waste.

TXI Eco introduces relevant agricultural and waste treatment technologies from Israel, Europe and the United States through Taiwan Israel Investment Cooperation Center (TXI Center). The firm then combines and creates various solutions and technologies relevant to the agricultural circular economy. Furthermore, TXI Eco is able to establish Taiwan's competitiveness in the long term by combining and exporting Taiwan R&D capabilities from the industry, government and academic sector to the international agricultural circular economy market.

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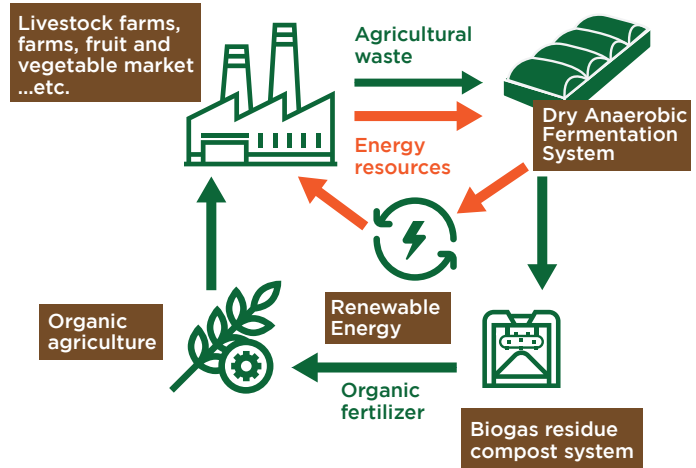
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TXI Eco provides multiple solutions for agricultural circular economy. Dry Anaerobic Fermentation Technology transferred from Industrial Technology Research Institute (ITRI), is applied to process agricultural waste, fruit and vegetable residue, poultry manure...etc. Organic waste can produce biogas through dry anaerobic fermentation, after desulfurized to generate electricity for thermoelectric application.

Dry Anaerobic Fermentation Technology

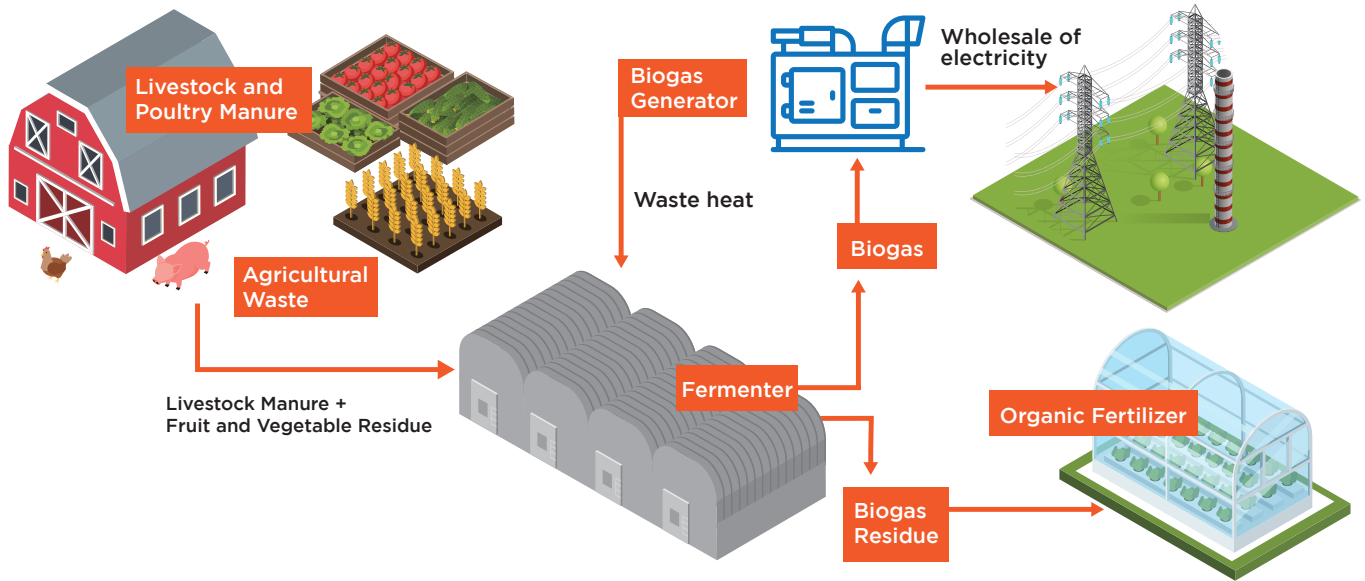


Dry Anaerobic Fermentation System



Agricultural Waste Recycling and Reuse Flow

Anaerobic Fermentation and Electric Power Generation and Application of Compost



Circular Recycling

Agricultural waste is recycled and transformed into gold



Power Production

Through Dry Anaerobic Fermentation System, biogas is produced to generate biomass green electricity.



Compostable

After the fermentation process, the biogas residue is processed as compost, which produces organic fertilizer. There is zero waste of resources.



Low Wastewater

There is no additional water supply for Dry Anaerobic Fermentation System, which extends to low demand for wastewater treatment.



Odorless

The system has undergone strict control management and design, thus not causing any odor and air pollution due to the completely closed fermentation process.

