



Jayadev Enterprise



**COME & JOIN US
IN MAKING EARTH
A BETTER PLACE TO LIVE**



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SUPPORTED BY TREC STEP

Company's Vision & Mission



OUR VISION

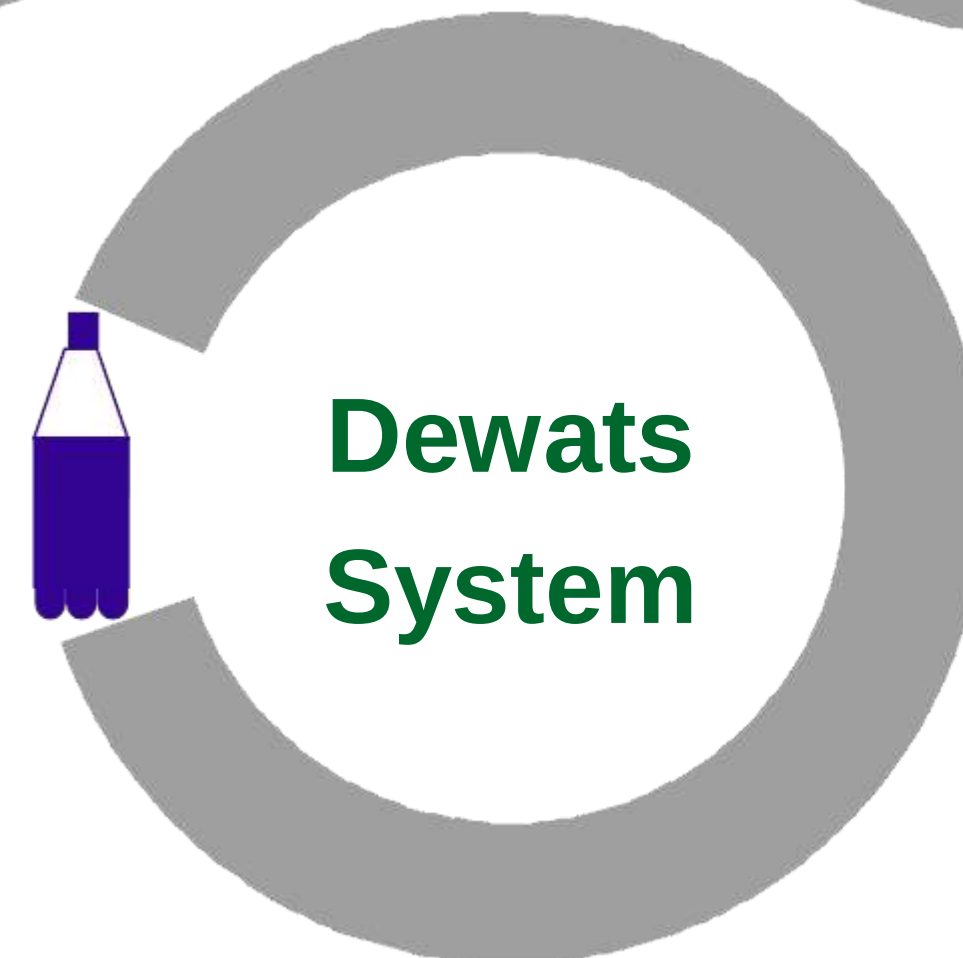
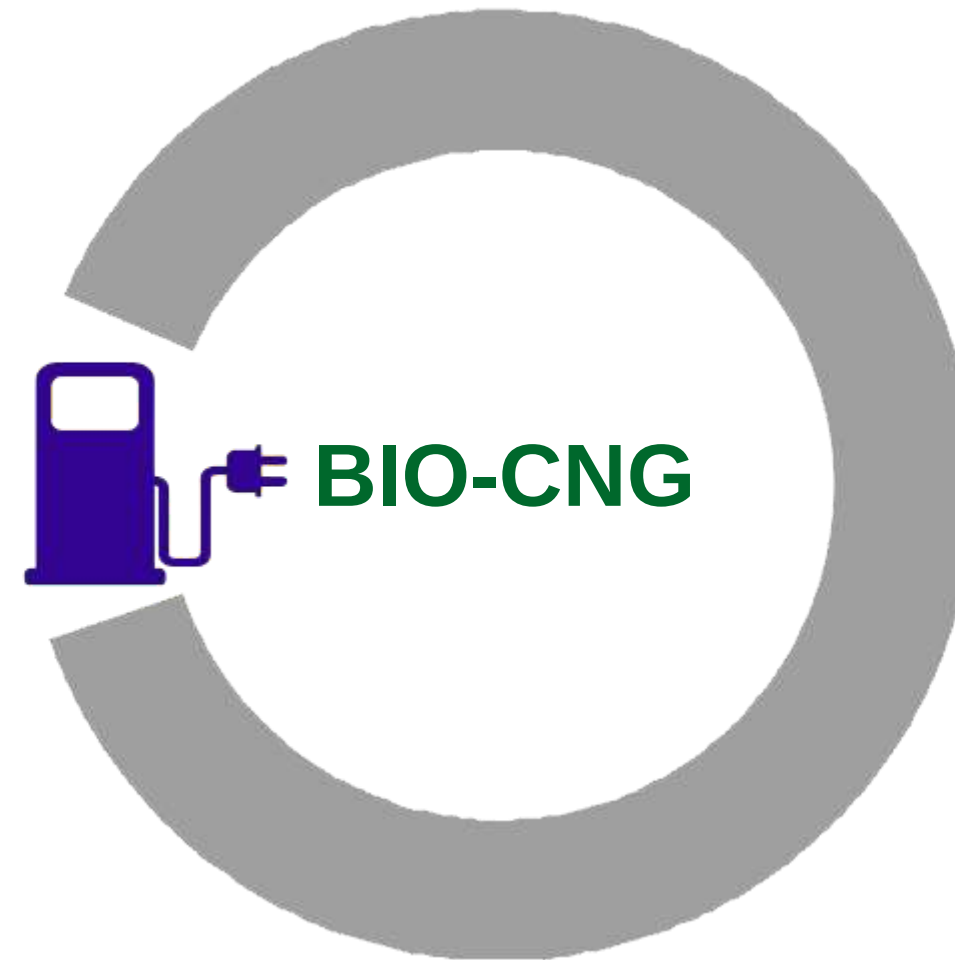
To see that zero waste is generated from every home/institution and everything got from nature is repaid!



OUR MISSION

- Inspired by nature: In nature, nothing is wasted, nothing is created but everything is transformed. Inspired by nature, green connect will find various alternative sources of sustainable energy.
- The 4 R's: The path trodden by us will consist of the 4 R's - Refuse, Reduce, Reuse and Recycle.
- The Green Connect: To establish a value based relationship with our customers and help them stay connected with the green.

Our Products

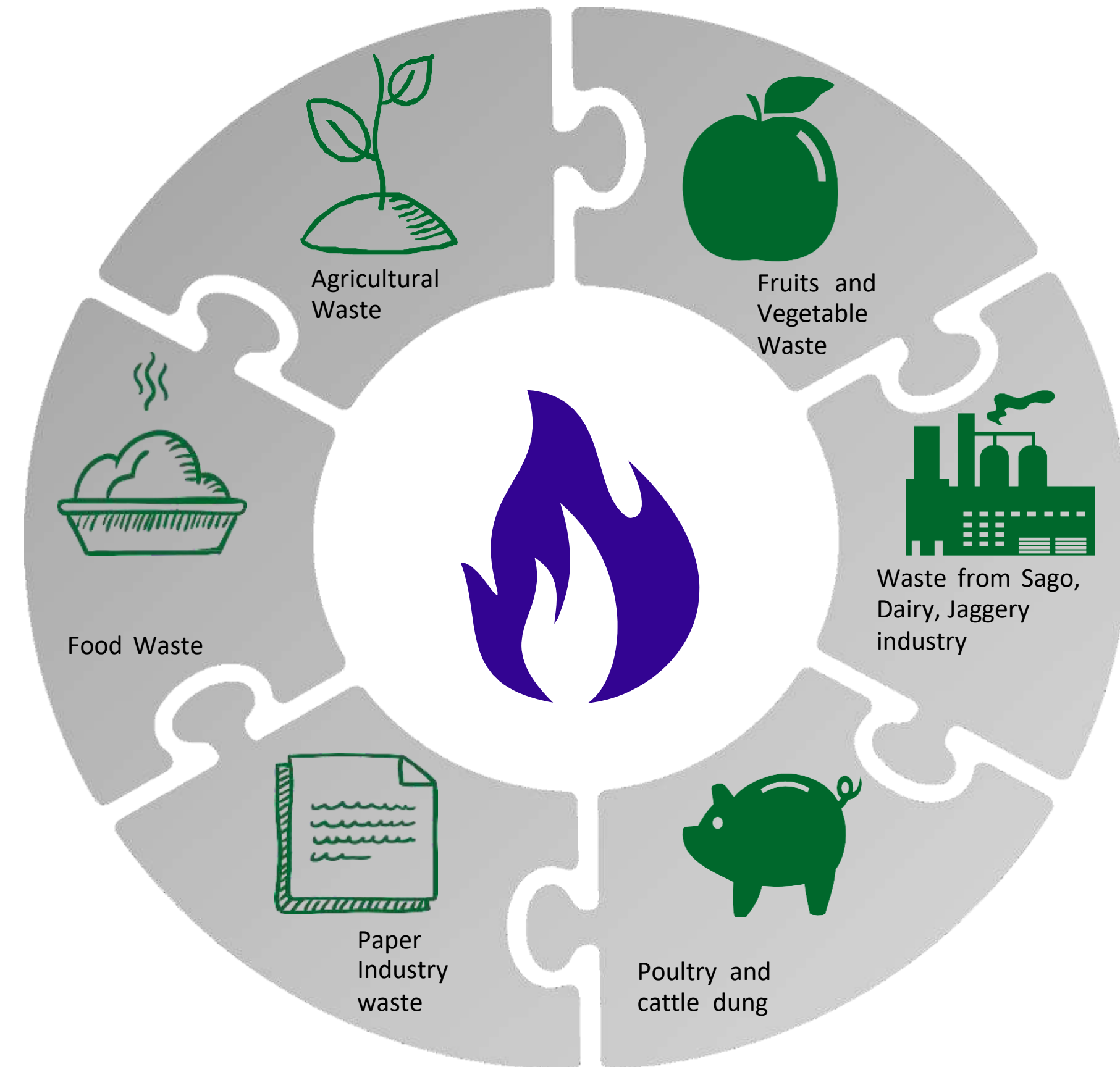


BIOGAS



WHAT IS BIO GAS AND HOW IT WORKS?

Green Connect produces cooking gas from leftover food/vegetable/organic waste through the process of anaerobic bacterial digestion. In simple terms, organic waste is degraded biologically, and biogas which is produced as output is used for cooking/electricity production.



BIOGAS –VARIOUS APPLICATION



Food & Vegetable Waste

→ Over 800+ food and



vegetable waste based bio-methanation plants installed.

- Indigenously developed pulverizers, biogas booster systems and biogas meters.
- Complete portable systems up to 2 tons.
- The space occupied is less than 40% compared to conventional systems.

Dairy Industry



- Dairy industrial effluents are characterized by high COD and BOD.
- Advanced UASB reactors which achieve up to 80% reduction in COD.
- The generated biogas is used for electricity generation or as boiler feed.
- Separate solid state digester for treatment of dairy scum.
- Installations in 4 units of HATSUN dairy.

BIOGAS –VARIOUS APPLICATION



Paper Industry



- ➔ Biogas plants based on paper manufacturing waste generated by paper mills
- ➔ Sheshayee paper mills and RR Krafts are our clients in this sector

Poultry and cattle dung



- ➔ Biogas plants based on poultry and cattle dung are mostly preferred in farms.
- ➔ We are manufacturing nearly 500 units of cow dung based biogas plants for INFOSYS in their carbon neutral project

BIOGAS –VARIOUS APPLICATION



PLA Waste

- PLA is an alternate for plastic currently more attractive for making cups, bags, bottles and it's the future
- We have installed one for Total Carbion, Chennai a Netherlands based company who are the manufacturers of PL for their manufacturing waste.



Bio-fertilizer Waste

- The waste tat are generated while manufacturing the bio-fertilizer can generate an excellent amount of biogas
- We have installed this type of plant at T-Stanes, Coimbatore



BIOGAS –VARIOUS APPLICATION



Sugarcane Effluent



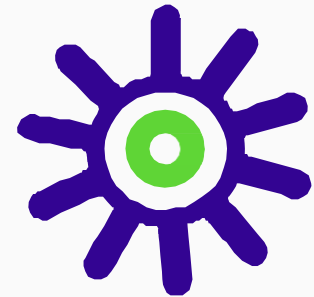
- Sugarcane effluent is a strong air and contaminant.
- We have installed a plant in the sugarcane industry near omalur for R &D purpose.

Floral waste



- The perfume industries consumes the flora and gives back the effluent to the earth.
- We have installed a plant in the **Jasmine, Dindugal** a plant which will generate biogas from floral effluent

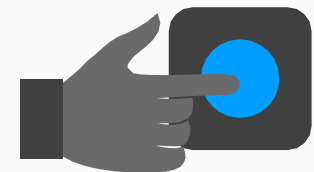
UNIQUE ADVANTAGES OF OUR SYSTEM



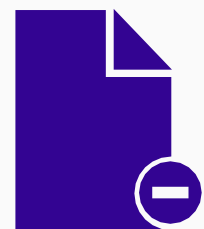
➔ UDO W – Uniformly Distributed Organic Waste reactor for superior flow of waste inside the digester.



➔ Advanced systems which work on solid state digestion.



➔ Remote monitoring of plant health using IoT like Waste input, input ph, live biogas generation, biogas agitation, biogas flow, weekly/monthly report generation.

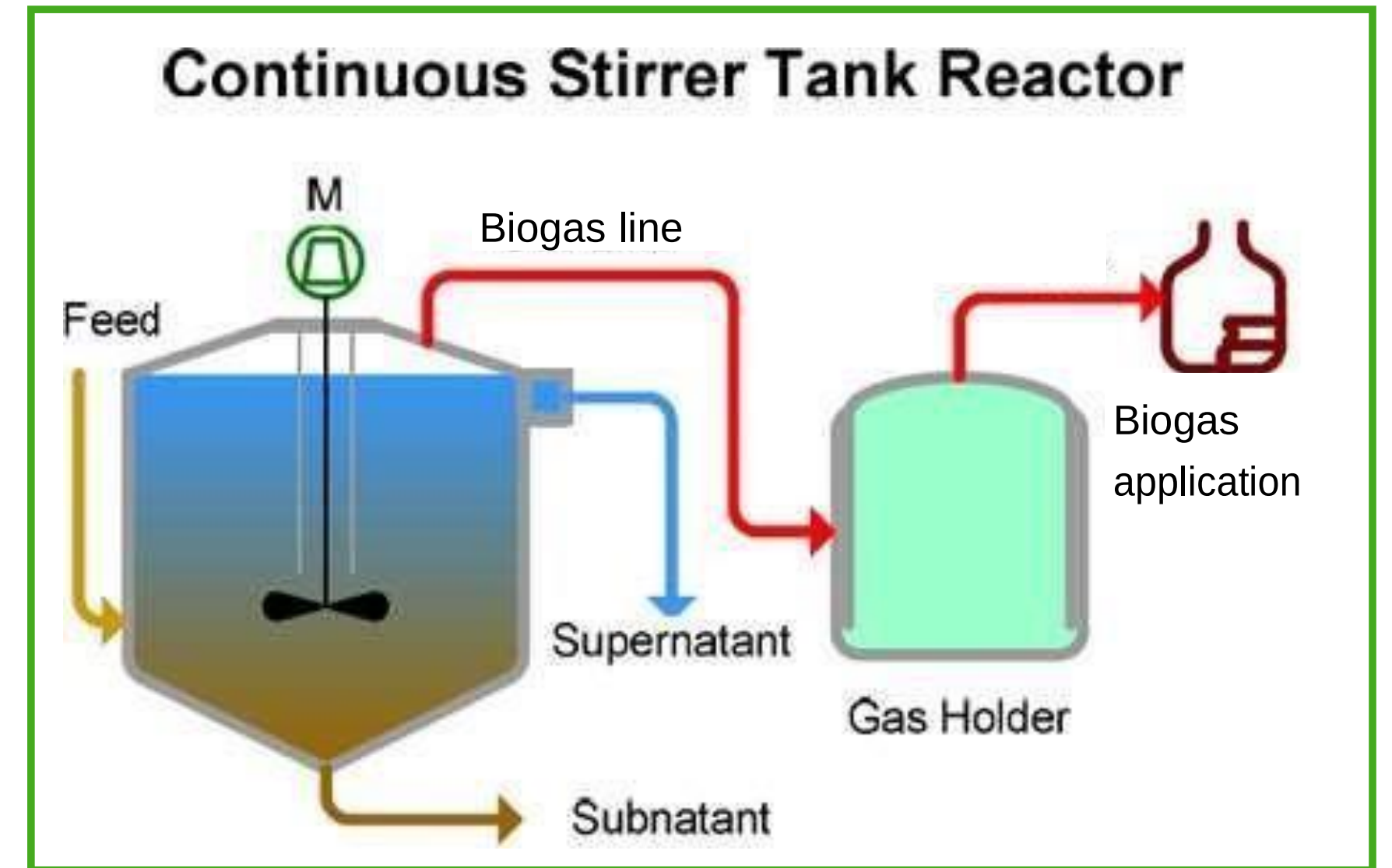


➔ Lesser space required than other conventional model

CSTR Bio-Digester



- ✓ The CSTR-Digester is suitable for the treatment of high solid material, such as bio waste and sludge, as well as for scum developing material.
- ✓ It is especially suitable for large scale biogas plants because of construction sizes of up to 6000 m³.



Application :- Treatment of all kinds of degradable organic wastewater or sludge and waste, such as manure, renewable primary products, municipal bio waste, restaurant and market waste, food industry waste, slaughterhouse waste, sewage sludge.

UASBR Bio-Digester



✓ Up flow anaerobic sludge blanket technology also known as **UASB reactor** is a form of anaerobic digester which is used for high C O D wastewater treatment.

✓ **UASB reactor** is a methane-producing digester, which uses an anaerobic process and forming a blanket of granular sludge and is processed by the anaerobic microorganisms.



Application : Dairy Industry, Breweries and beverage industry, Distilleries and fermentation industry, Food Industry, Pulp and paper

DEWATS SYSTEM



- ➔ DEWATS is a wastewater treatment system that is reliable and low-cost in operation
- ➔ DEWATS technology is based on the principle of low cost and low-maintenance since most important parts are locally available and work without technical energy inputs.



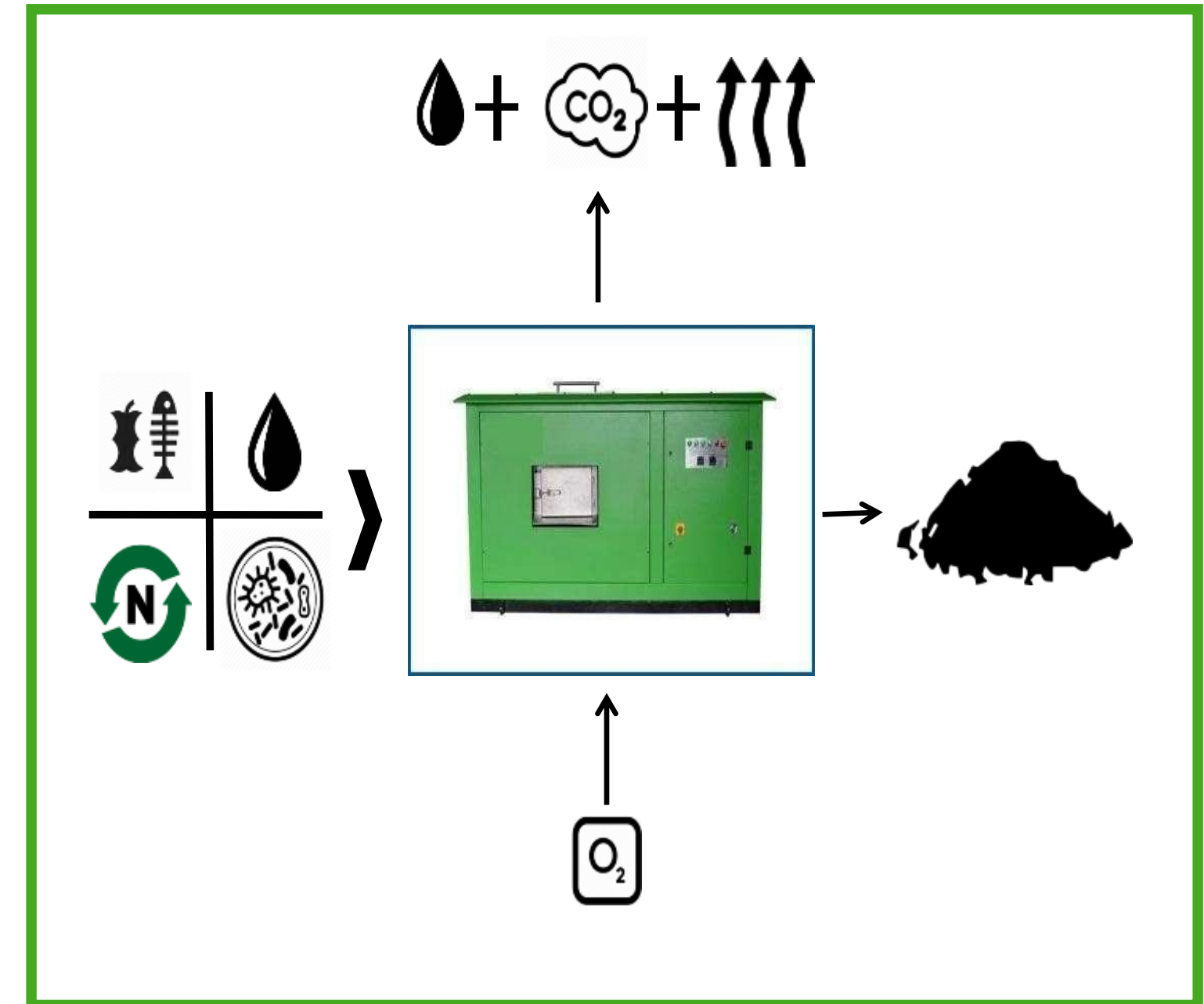
ORGANIC WASTE COMPOSTING MACHINE



Composting Technology

Composting is a natural biological process, carried out under controlled aerobic conditions (requires oxygen). In this process, various microorganisms, including bacteria and fungi, break down organic matter into simpler substances.

To provide customized and appropriate solutions to our customers, this technology and solution is based on heating mechanism for volume reduction and decomposing through “thermophilic” enzymes.

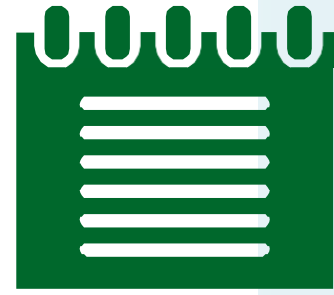


ORGANIC WASTE COMPOSITING MACHINE



Advantages of Compositing Machine

1. Low Noise
2. Can remove compost once in 3 days
3. 100% pure organic Fertilizer
4. Very good aesthetics look.
5. No labor requirement for process handling
6. In – built shredder
7. Up to 80% Volume reduction within 24 Hrs.
8. No Pathogens / No Odor/No harmful products



EXPERIENCE



Installed more than 800+ biogas projects across India including corporate, industries, hospitals, institutions, corporations etc,



Only Indian client installing bio-methanation plant for Infosys in the Carbon Neutral program. (500 no.'s)



Greater Chennai Corporation- Empanelled -authorised company for wet waste management



Swatch Bharath brand Ambassador in Salem Corporation and Madurai Corporation* (former)



Successfully organised first International expo on Waste Energy and Environment on 20,21,22 December 2019



Few Notable Clients



THANK YOU!

HOW CAN YOU BE A PART OF US ?

An Environmentally-friendly alternative is now our friend. Along with Jayadev, small solutions can later become a revolution to society. Team Jayadev is now much stronger by having you on board. Together, we can save Mother Nature little by little, come on!

GET IN TOUCH



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