

## Harithavani Renewable Systems Pvt Ltd

Renewable systems for all





- Scripting a future where a system which generates renewable energy is available to all.
- Spreading the Joy of making your own green fuel.
- To develop systems in biogas technology that will convert the hidden energy in our food waste to Methane gas which can be used directly as a cooking and heating application.
- A most efficient way to manage Urban Waste. Waste to fuel model

# Collecting the problems

- India Generating 150,000 MT MSW per day.
- 50 million MT today and 125 million MT by 2031
- No Efficient Systems built to Digest the Waste in the root of generation.
- Segregation of waste at source.
- Lack of government regulations on managing wetwaste
- Transporting Waste from one place to another.
- Mismanagement in processing of wet waste



### Present flow for processing waste

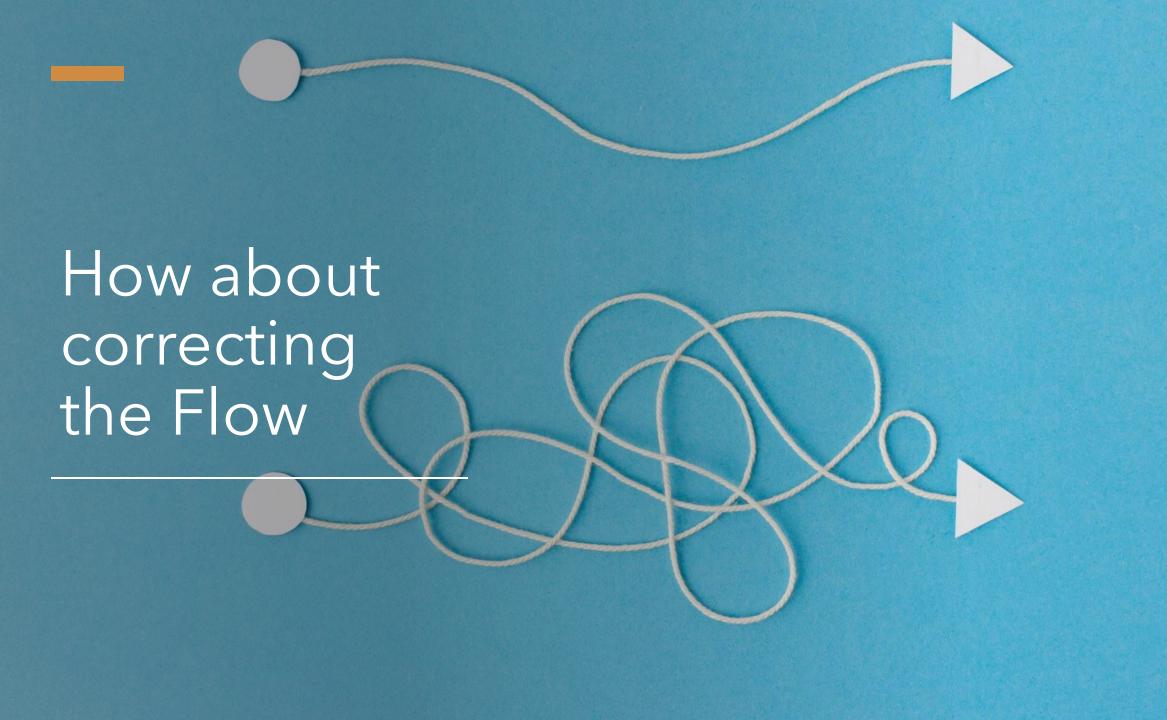
Wet Waste generated in Residential and Commercial places.

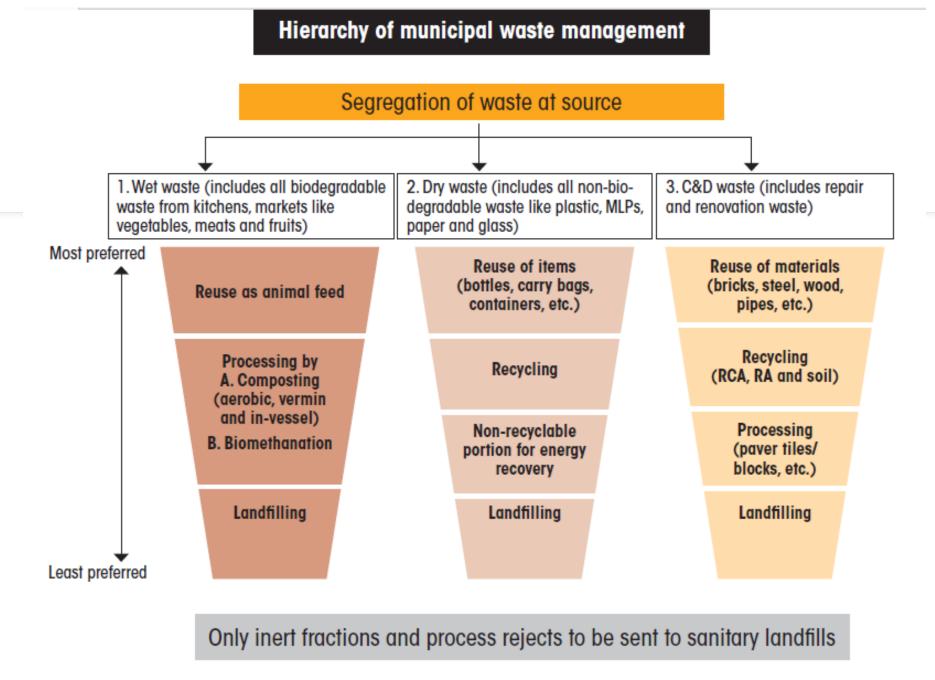
Separated and stored as wet waste and Dry waste. (Collected as un-hygienic as possible. Created a Mosquito market of Millions Dollars)

Last mile collection of waste.

Highly hazardous, Humanity is killed.

Open Segregation in prime liveable locations. (Highly hazardous, Where is the logic?) We are creating Dump yards and Waste processing centers. (Total 3159 Dump sites the country, stretching it as non-livable for around ten km. around a dump site.) Losing the precious property of all ties, the Land





Source: Guidelines for Swachh Bharat Mission (urban) 2.0, 2021



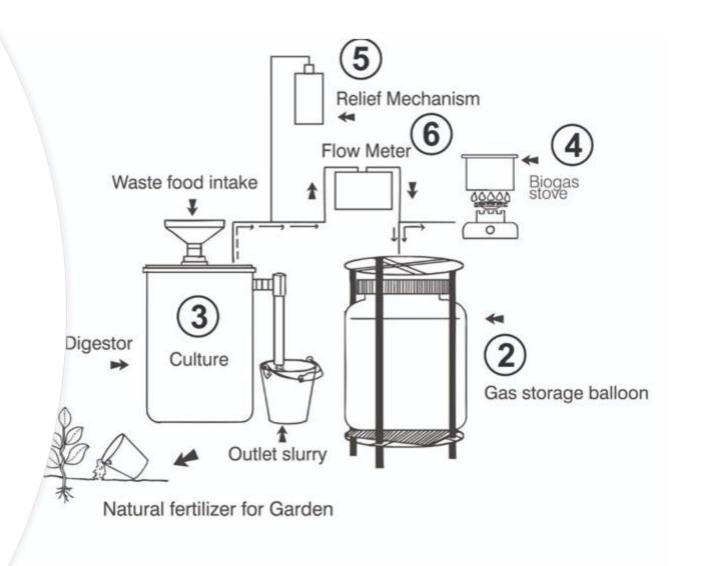
### The proposed Flow



Wet waste generated in Commercial and Residential places.



All the wet waste will be dumped in the Processor "VajrA". A custom-made Biomethanation plant to digest the wet waste at its source.



### To build Renewable Energy systems to process 150,000 Metric tonnes of Wet waste generated Daily



Systems start from as low as processing 2KG wet waste input Per day.



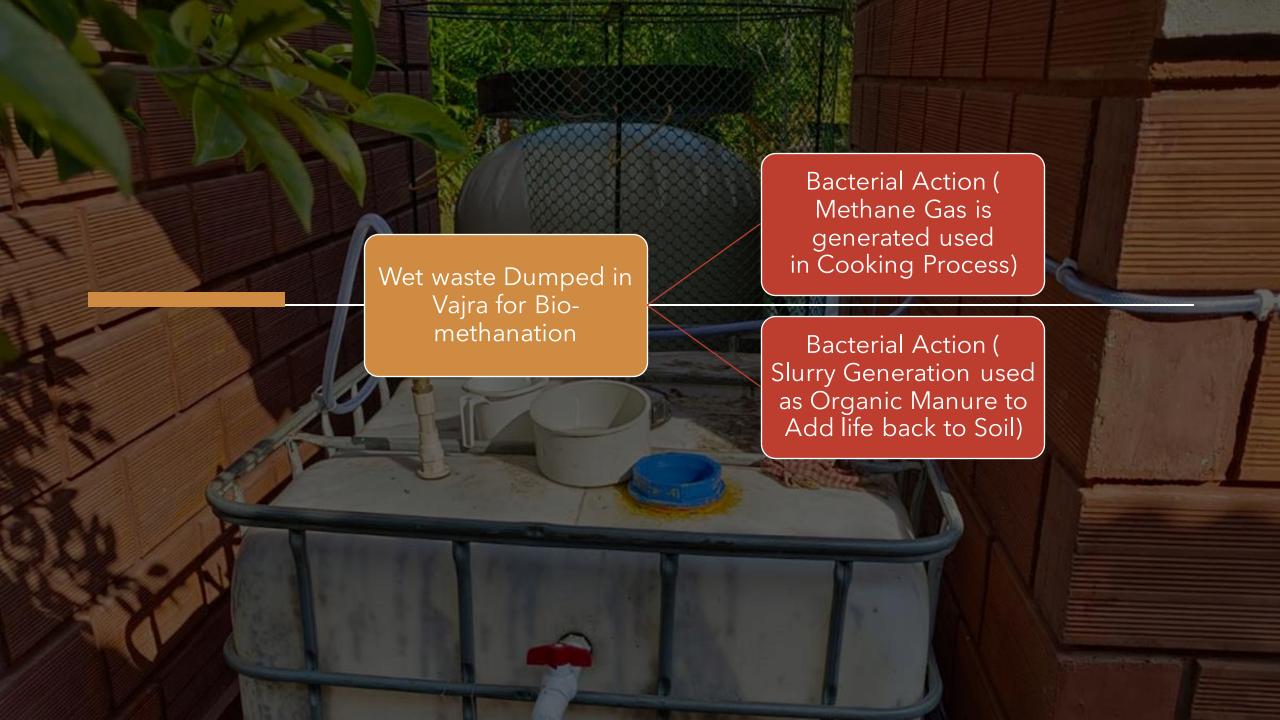
The Minimum Size required for the System is 7 sft (2.5ft x 2.5ft)



Can Custom Design Systems for both Residential and Commercial Purpose.



No electricity or external energy required



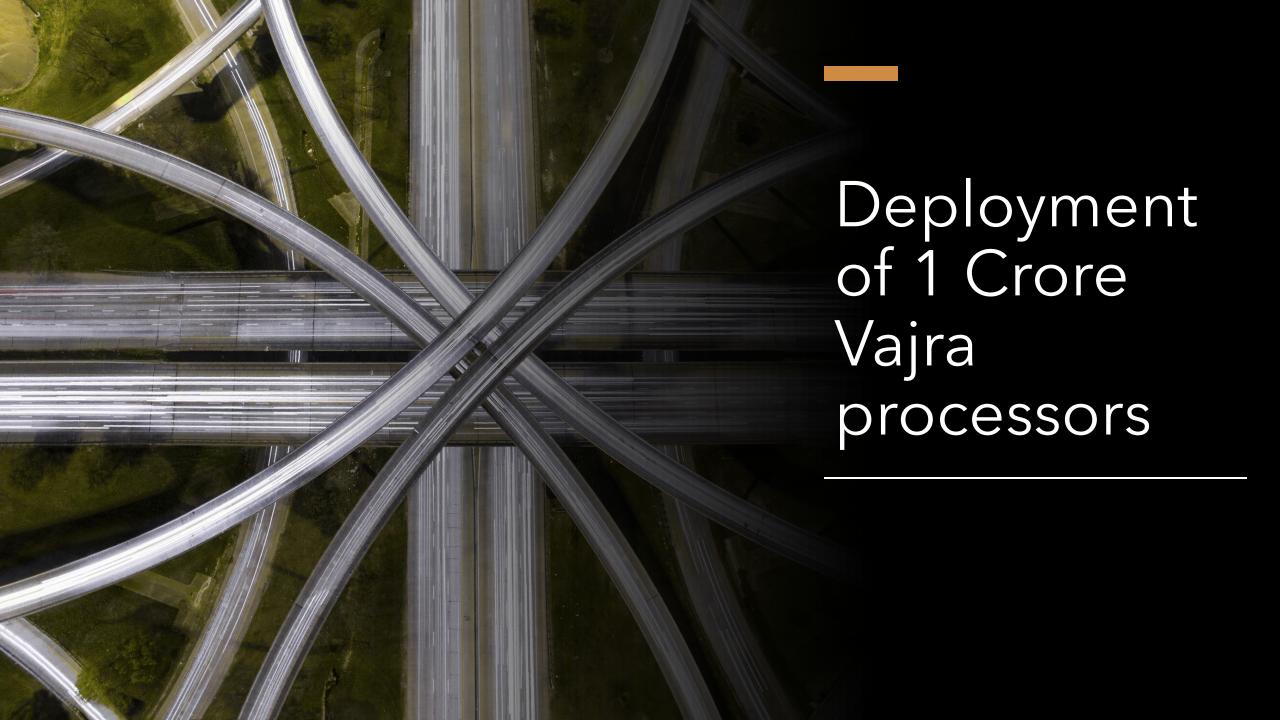
### What can be digested in VajrA

Waste Feeding menu For VajrA	
Yes	No
Cooked Food, uncooked Food, Waste Food, Wasted Grains	Coconut Shells
Vegetable Scraps	Dry leaves
Fruit Scraps	Branches
Tea Leaves, coffee beans / Powder	Plastic
Egg Shells, Meat, Bones	Metal
Green Leaves, and Green grass	Paper
Animal Dung	Wood
Milk waste and all milk products	



# Every Residential and Commercial places of the Country





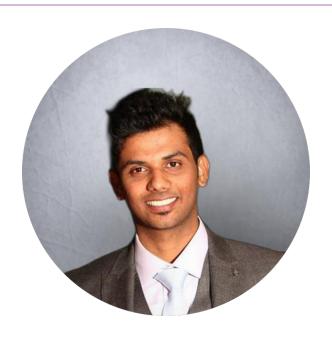
### Deployment Plan

- To Install 1 crore Vajra Processors for a small subscription fee of Rs. 500
- Beneficiaries to pay a monthly rent of Rs. 199 for each machine for the next 15 years. A continuous Revenue generated for the Company / Govt.

### Team



RAVI KUMAR N – DIRECTOR, CHIEF ENGINEER



KIRAN KUMAR D - CHIEF BUSINESS OFFICER



SHWETHA C - DIRECTOR, ACCOUNTS AND ADMINISTRATION

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#### Document Link

• https://www.niti.gov.in/sites/default/files/2021-12/Waste-Wise-Cities.pdf



#startupindia



CERTIFICATE NO: DIPP95936

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Government of India
Ministry of Commerce & Industry
Department for Primotion of Industry and Internal Trade

### CERTIFICATE OF RECOGNITION

This is to certify that HARITHAVANI RENEWABLE SYSTEMS PRIVATE LIMITED incorporated as a Private Limited Company on 22-02-2021, is recognized as a startup by the Department for Promotion of Industry and Internal Trade. The startup is working in 'Waste Management' Industry and 'Others' sector as self-certified by them.

This certificate shall only be valid for the Entity up to T#B years from the date of its incorporation only if its turnover for any of the financial years has not extended ₹ 100 Cr.

04-03-2022

DATE OF ISSUE

21-02-2031

VALID UPTO