

Compact Industrial Scale Biogas Plant



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Aurika Hotel,
Near Mumbai
International Airport
Santacruz, Mumbai



-  Biogas Plant Capacity: 350kg/day
-  Biogas Production: 35m³/day
-  LPG Replaced: 27 Commercial cylinders/month
-  Space required: 450 sq.ft.
-  Location: Basement of the building



Our Vision

Eradicate energy poverty and accelerate transition from fossil fuels to renewable energy by investing waste.

Our Mission

Empowering world to invest their waste through technology.

3 GOOD HEALTH
AND WELL-BEING



7 AFFORDABLE AND
CLEAN ENERGY



13 CLIMATE
ACTION



11 SUSTAINABLE CITIES
AND COMMUNITIES



About Us

We are a company based in India with a mission to empower community to invest their waste. We design, manufacture and install pre-fabricated biogas plants to process organic waste at decentralized level.

Supporters



Miller Center
for Social Entrepreneurship



Team



Dhananjay Abhang

Founder and CEO, BE (Mechanical), MBA

Dhananjay has worked in corporate for 10 years out of which 5 years he has worked with a renewable energy startup First Energy Pvt. Ltd. He has worked across different departments in sales, supply chain and new technology development.



Dr Arun Dixit

Co-founder and Director, M.Sc. (ICT, Mumbai), Ph D (NCL)

Dr. Arun Dixit has 30 years of experience in research and development. He has keen interest in waste management and is actively mentoring for technology development.



The Problem



Increasing Fuel Cost



Organic Waste
Disposal

Health and Sanitation
Issues



Climate Change



The Opportunity

Urban waste in India can generate
1.6 billion kg/year of methane



Solution



Reduce waste to landfills



Reduced methane emission



Reduced fuel expenses



Long term savings

Compact Industrial Scale Biogas Plant



How we are different



Flexible

Cleanergy biogas plants are completely foldable. Cleanergy biogas plants are designed as per local site needs which does not require any alteration in existing infrastructure.



Super - compact

Availability of space is one of the biggest constraints to install biogas plants. Cleanergy biogas plants are super-compact and can be installed in backyard, basement, etc.



Modular

Cleanergy biogas plants are highly modular in nature which allows easy customization and adaptation to specific needs as per customer requirement.



Odourless

Cleanergy biogas plant is a well-designed, neighbor-friendly facility which can co-exist with urban societies.



Technology Demonstration



Through presentation & site visit

Business Model



- Basic data collection
- On site diagnosis
- Customized design



- Submit Quotation
- ROI plan



Receipt of Confirmed PO & advance



Manufacturing



Installation

Receipt of Final payment



Fuel Saving

CO2 mitigation

AMC & Online monitoring



Target Segment

Bulk Waste Generators (BWG)

- As per guidelines issued under SWM Rules 2016, it is mandatory for BWG to process their organic waste within the premises.
- Bulk Waste Generators account for 70 to 75% of waste

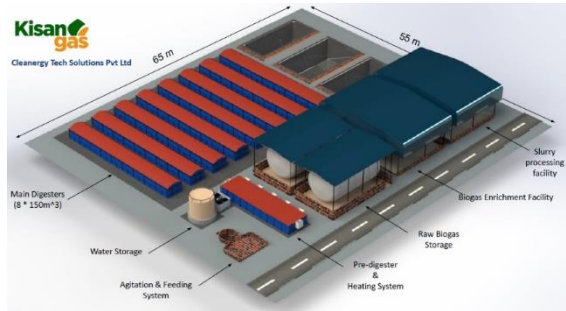
Existing Customers



Current Projects



Urban Market – Food Waste Plant



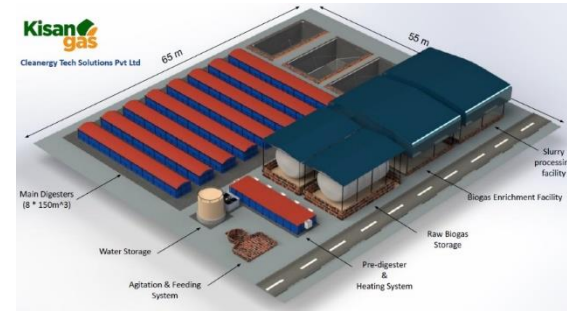
Client Name



- Food Waste : 800kg/day
- Biogas Production: 80m³/day
- LPG Production: 63 Commercial cylinders/ month



CBG Plant



Napier Grass

- 25T per input feeding capacity
- CBG Output: 600kg/day
- Fertilizer : 2 to 2.5T/day



Thank you

