



## EARTHTECH RENEWABLES LLP

A working biogas plant relies on a delicate balance of microbial communities living inside the plant and behaves very much like a living and breathing organism. Just like providing the best conditions to green trees and plants to give the sweetest and the most nutritional fruits, carefully monitoring and taking care of the balance in the reactor makes sure that the plant runs without failure and at high efficiency. EARTHTECH RENEWABLES LLP has perfected this craft and wishes to improve the standard of living of people living in our country.

EARTHTECH RENEWABLES LLP had developed a Smart Biogas plant that's self-capable to control critical plant parameters to boost its output up to two times & provides all-season same output compared to conventional plants available in the market. A biogas plant that anyone can operate without having expertise! The entire system consists of IoT based Real-time monitoring of critical plant parameters, Failure Prediction & Suggestions to avoid the same. Our technology is capable of Reducing Downtime, Boosting overall Efficiency, and Quick Payback without batting your eyelashes!

*"We are capable of retrofitting our technology in existing community biogas plants as well as municipal corporation scale plants. By doing so, we can control critical plant parameters (pH, temperature, etc.), get the real-time health status of the plant, and boost its output in terms of both gas and slurry fertilizer. We also provide services related to project development in Industrial Automation, Microcontroller based process control, Internet of Things, and many more..."*



# **PRODUCT BROCHURE**



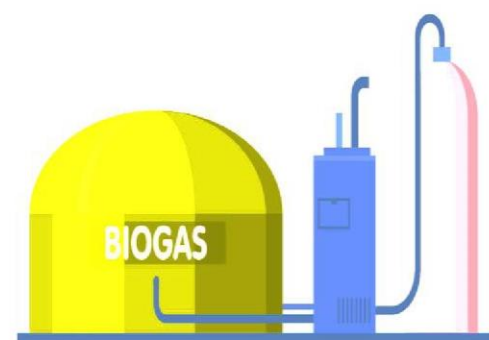


# EARTHTECH RENEWABLES LLP

## Smart Biogas Plant

### Introduction

Our Company Has Developed An Automated Biogas Plant Which Allows You To Control Critical Parameters Like Ph, Mass And Heat Transfer Without Even Batting Your Eyelashes. Through Our Innovative Design, We Help You Increase The Overall Efficiency Of The Plant, While Reducing Labour Input. The Monitoring And Controlling System Installed With This Biogas Plant Is Built So That It Can Warn The User About Possible Future Failures While Giving The User Appropriate Corrections To Avoid Future Failures





### High Efficiency & Productivity



### Smart Technology



### Quick Payback



### All Season Gas Output



### Gas Metering



### Live Data on APP



### Mosquito free

## ❖ *Features*

- Increase quality and quantity of gas
- Live data on mobile
- Boost output
- Easy UI in all languages
- Increase system uptime
- Provide high quality organic fertilizer
- Fully regulated flow of gas
- Auto controlling of vital parameters
- Ability to diagnose faults
- Fully insulated digester

## ❖ *Accessories*

- Inlet/outlet pipes
- Inlet/outlet connections
- Gas outlet valve
- Storage balloon
- Biogas stove along with booster
- Automatic weight logging and water feed mechanism

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