

## Biodigester Plants

### Section 1: Concept Overview

**Project Objective:** Assist smallholder farmers in installing Biodigester, mainly in Kenya, to scale up affordable clean energy for domestic use and green fertilizer for their farm, by end of 2023.

**Brief Description:** The program aims to contribute towards food security, clean & sustainable use of energy and environmental conservation. Thus we are introducing a closed loop recycling system, for the waste produced at crop operations having livestock by investing in the installation of Biogas Plant for farmers, which takes a significant part in increasing the share of renewable energy and bio-slurry fertilizer for increased agricultural productivity and soil health. Besides touching the living income of farmers, this will positively impact the climate by deforestation reduction and by greenhouse gas emission reduction.

**Country of Focus:** Kenya

#### Key Performance Indicators:

Indicator	Metric	Baseline	Project Target
Number of Biodigester Implemented	Count of Biogas Plants	0	15
Liter per year of Biogas produced for cooking	L/year of Biogas	0	Not Yet Reported
Hectares per year fertilized with bio-fertilizer	He/year of Bioslurry	0	Not Yet Reported
Tons of GHG emission reduction	Tons of GHG mitigated	0	Not Yet Reported

#### Please indicate how this project aligns with the 2025 Targets:

- Resilient supply
  Improve well-being & prosperity  
 Strengthen market demand
  Conserve nature

Biodigesters help generating cash savings and reducing the living income gaps through meeting domestic renewable energy, fertilizer savings, health savings, soil productivity, and as well help mitigates CO2 generated by agricultural activities and cooking fuel consumption.

**Project Status:** Existing project under implementation

**Project Timeline:** *Start date: 2021 End date: end of 2023*

### Section 2: Partnerships

#### Involved Parties:

Organization Name	Role in Project	Contribution
KENYACOF	Lead & support of implementation, candidates Identifier	In-kind
Sistema bio	System provider & Implementer	Cash



**Expectations for Partner Engagement:** Support on the country of implementation.

**Deadline for partnership opportunities:** Mid of 2022

### Section 3: Funding

**Project Costs:**

<b>Total project costs</b>	<b>10000\$</b>
<b>Secured funding</b>	<b>10000\$</b>
<b>Funding needed</b>	<b>0\$</b>

**Explanation of Funding Use:** Funding the full projects installation.

For more information on this project, please contact [Mira Zahlanieh](mailto:MZahlanieh@cafenajjar.com) at [MZahlanieh@cafenajjar.com](mailto:MZahlanieh@cafenajjar.com)