

Biocylinders Africa Ltd



BIOCYLINDER
Africa

Amina Story



- 32 year old
- Mother of 3 children
- Reliant on firewood to cook
- Needs affordable and clean cooking solutions

The problem



IEA findings reveal that more than **900 million individuals** in Sub-Saharan Africa lack access to clean cooking energy, resulting in reliance on charcoal and firewood.



Every year, nearly **600,000** Africans die from air pollution caused by inefficient and dangerous traditional cooking fuels and stoves according to **WHO**.



High Rates of Deforestation

3



Why Kenya

We will have impact on the African Continent and Kenya is the country we will address first

According to the **World Bank data**, 70% of the population lack access to clean cooking energy

The forest cover in Kenya has **decreased to 6.3%** of the total land area (NEMA)



The Energy Progress Report 2022 Kenya has high deficits for clean cooking, despite its tremendous effort in improving access to clean energy

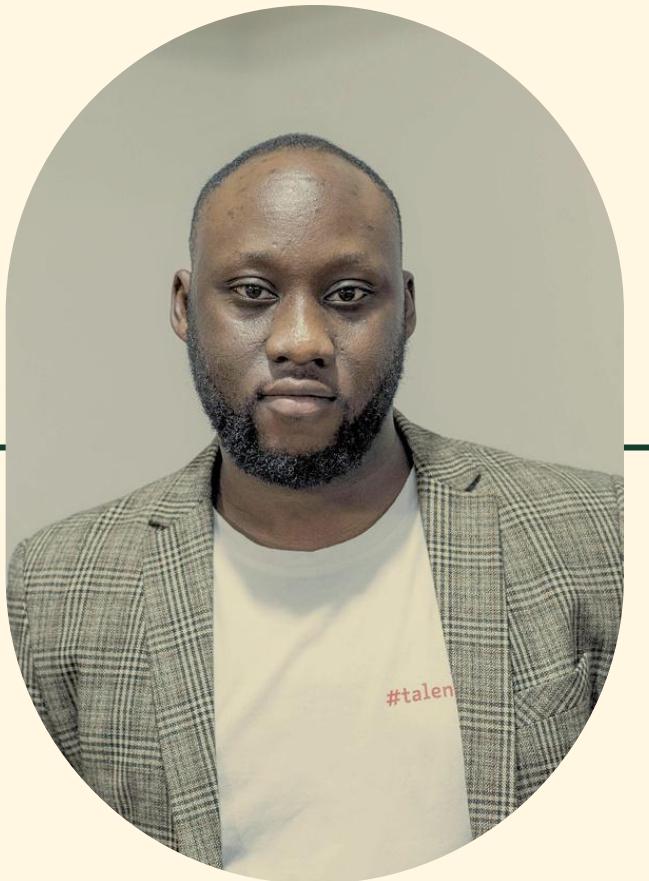
Our Story



- Focused on community empowerment and sustainability
- Competed in start-up competitions
- Refined our idea to suit their needs



The team



Elisha Kenny. O

Co-Owner/Operations Manager
6 Years experience in Sales and BD



Esther mithamo

Co-Owner/ Community Manager
and marketing
3 years experience in Research

Brain Trust



Thaddeus Anim-Somuah

Global Senior Sustainability Manager
Board Member at World Energy Council
Forbes 30 Under 30



John Marvin

Renewable Energy Specialist
State Department for Energy,
Ministry of Energy & Petroleum,
Kenya



M. Eng. Meike Walz

Research assistant in the research
area of biogas
HAWK University of Applied
Sciences and Arts



The solution

We are creating clean cooking gas from organic waste promoting health, sustainability, and economic growth through a circular economy model.

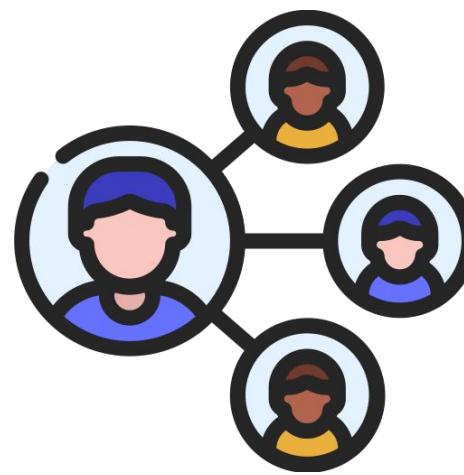


How the solution works

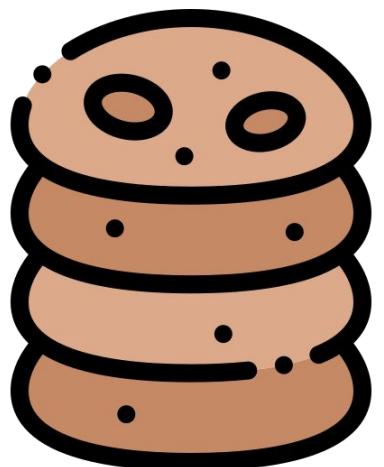
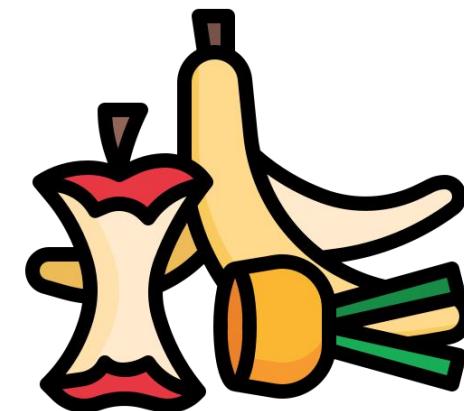
Community Based

Distribution

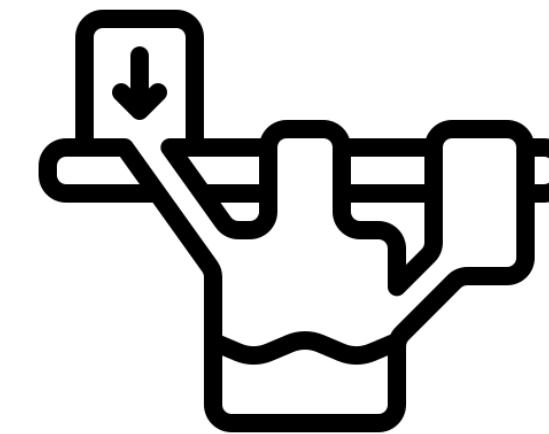
Networks



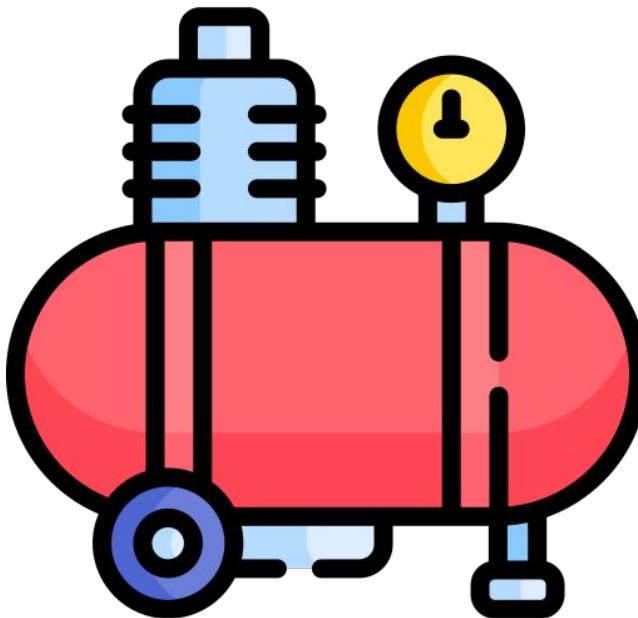
Food Waste / Animal manure



Digester



Compressor



Bottled into Cylinder



Organic Fertilizer



Innovative Financing Schemes





13

UN Sustainable Development Goals are being addressed by our solutions.

7 AFFORDABLE AND CLEAN ENERGY



UNIQUE VALUE PROPOSITION

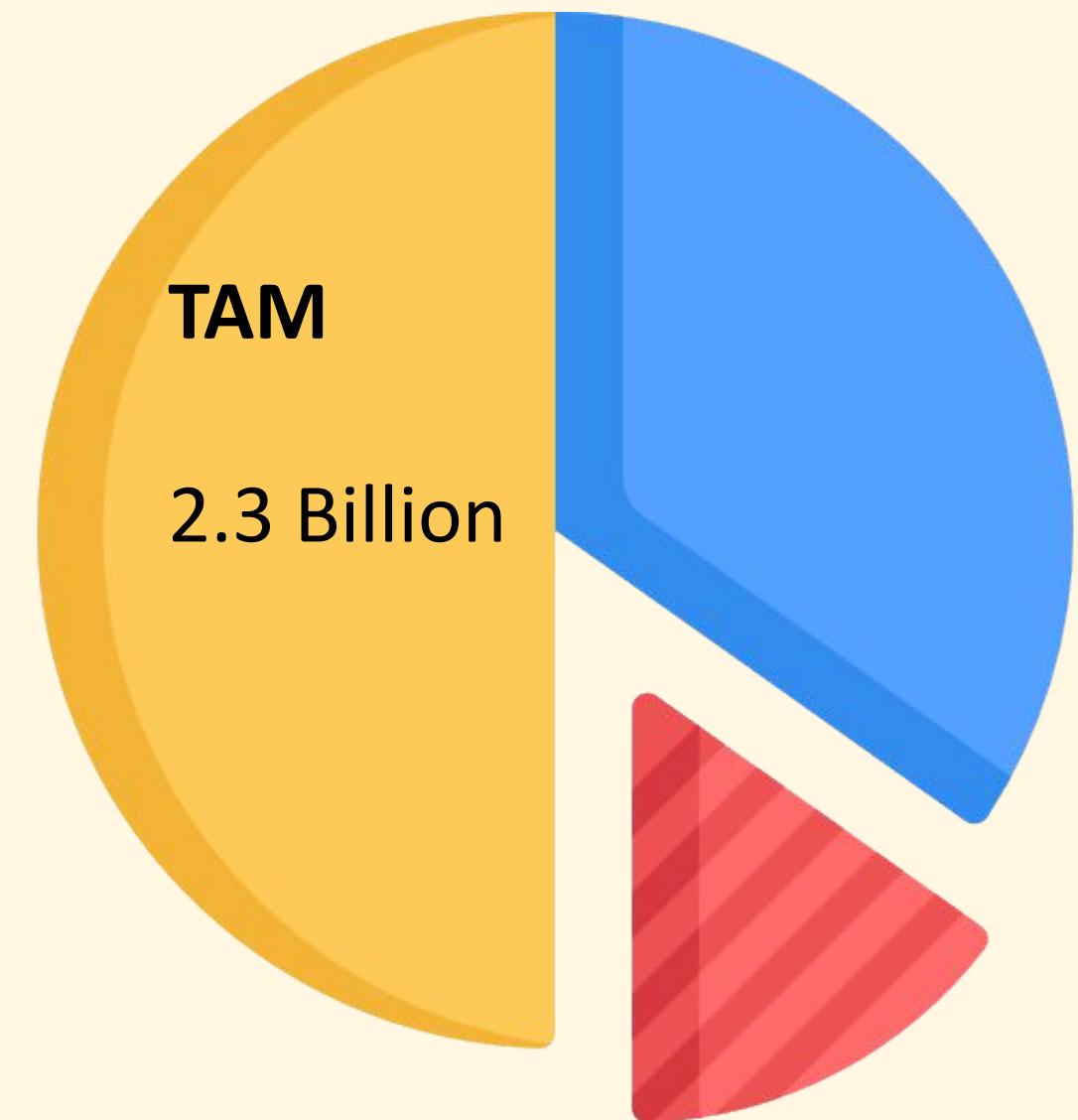
Transforming organic waste into affordable, clean cooking gas through a circular economy model that rewards households, promoting health, sustainability, and economic growth.



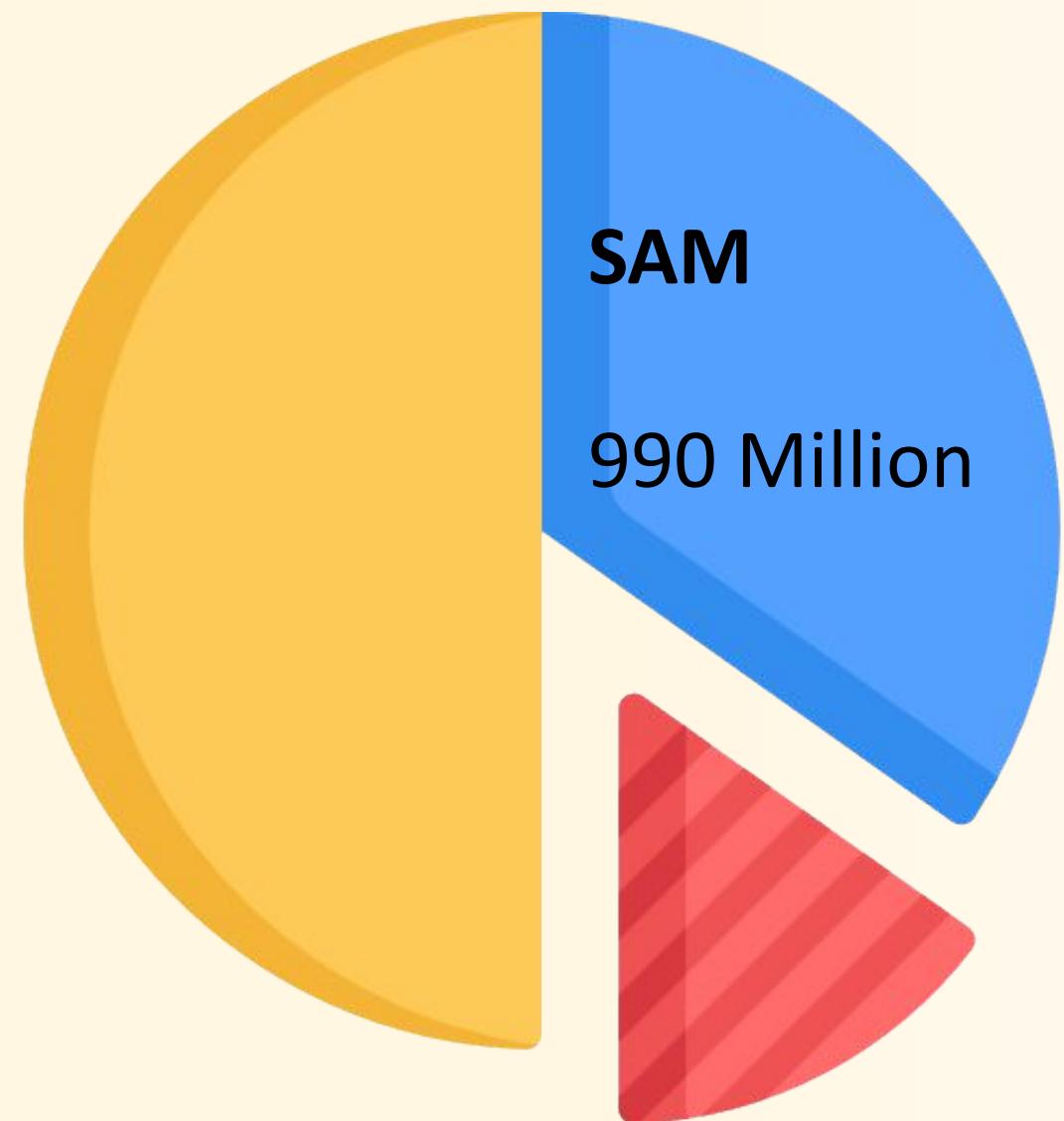
BIOCYLINDER
Africa

Market Size

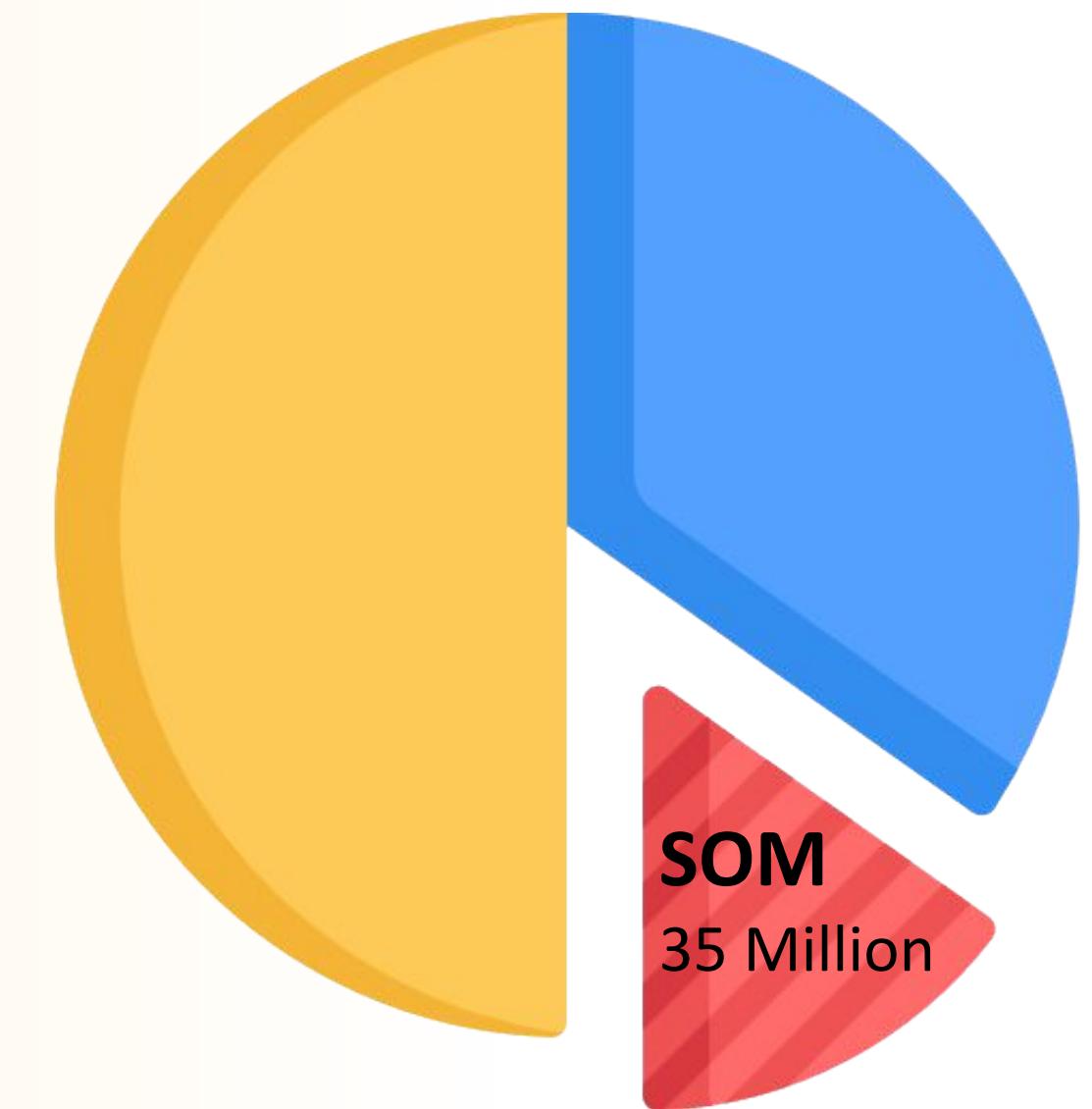
Global Clean Cooking Market



African Clean Cooking Market



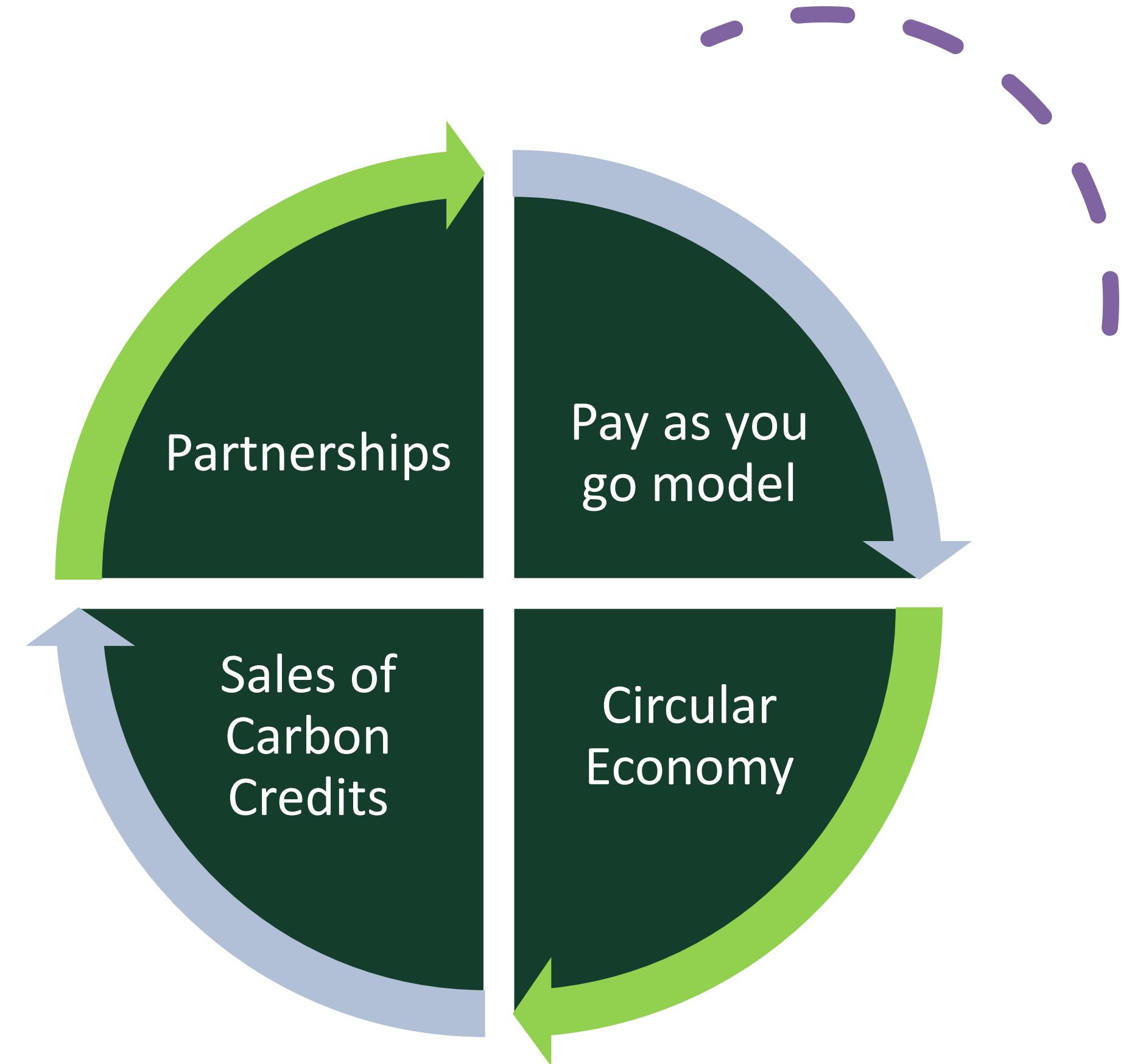
Kenya Clean Cooking Market



Competition



	BCA	Khainza Energy	B Energy	Bio Sistema
Circular Model				
Affordable Pricing				
Innovative Clean Gas Cylinders				
Refugees in Global South				



Traction



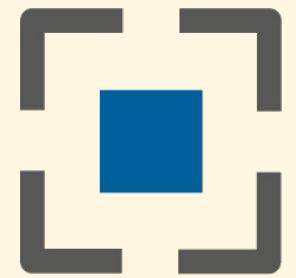
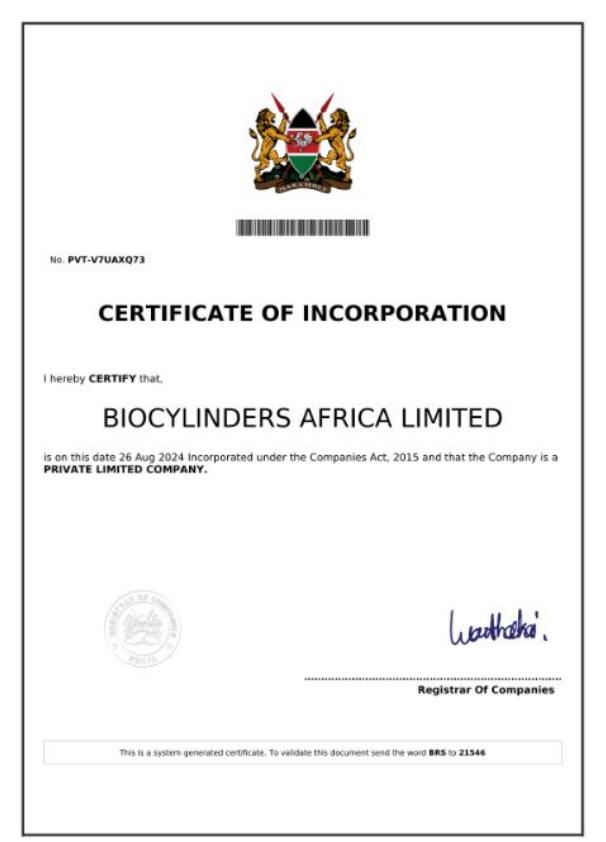
Completed



Partnerships Secured



Funding Donor secured

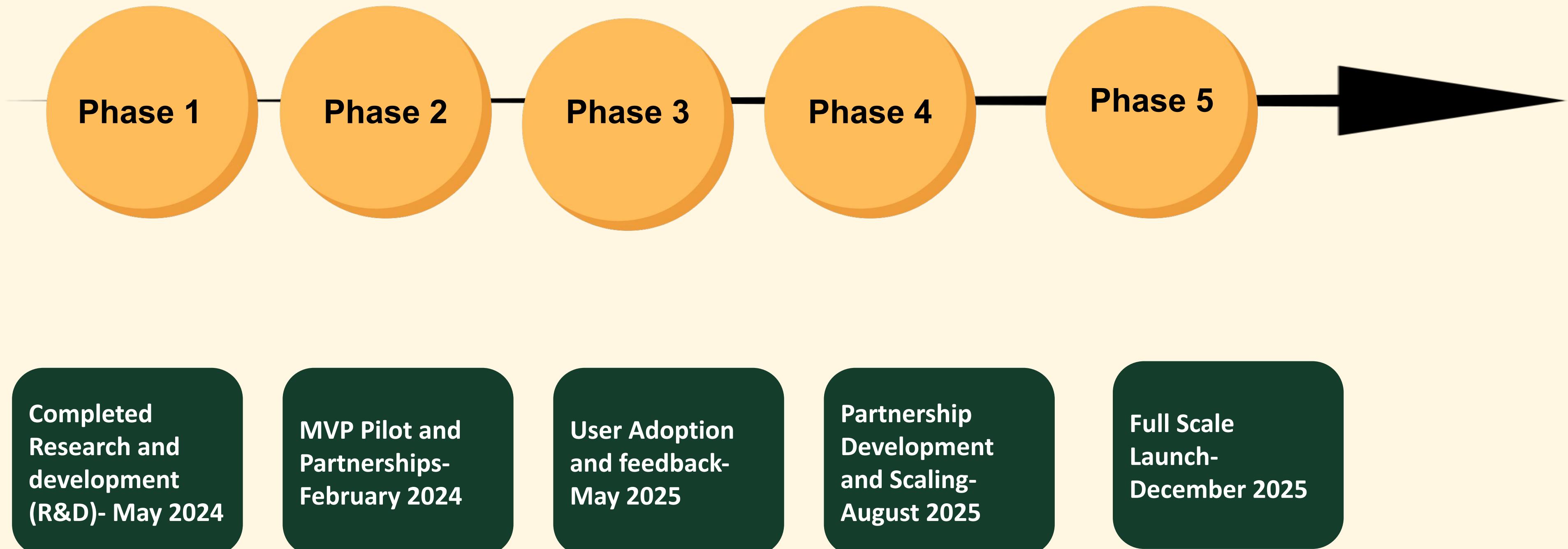


TRANSFER & STARTUP HUB
UNIVERSITÄT GÖTTINGEN

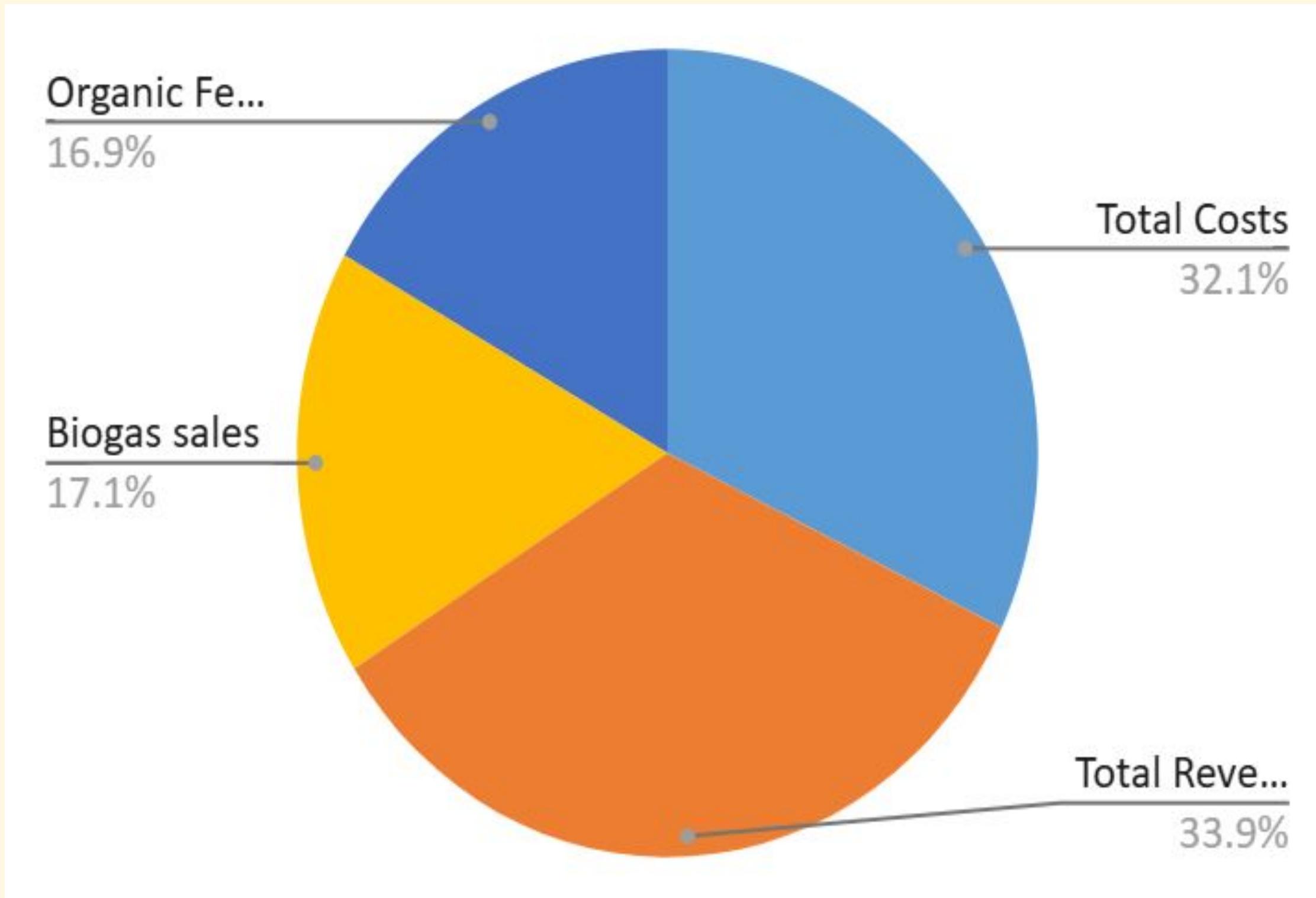


Roadmap

How does BCA evolved in the next 1 year, what are our milestones ?



Financial Projection



Projected Income in one year;
3000 euros

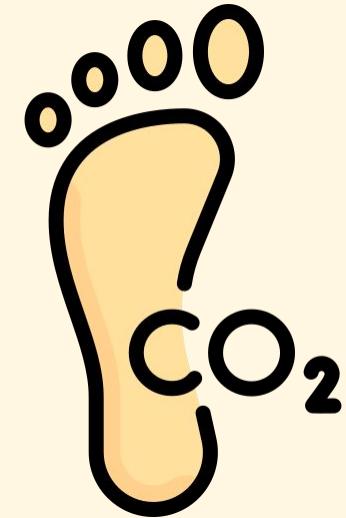
Revenue streams;

Biogas sales

Sale of bio slurry

Break even within the first year

Projected Impact



100K+

Tons of CO₂-eq mitigated in 2027



100K+

Trees saved globally in 2027



20M+

Hours cooked on clean energy in 2027



10M+

Pounds of food waste in 2027

The Ask.

15K Euros

- Bio-digester Construction- 8k
- Compressor and cylinders- 5k
- HR and Logistics- 2K



Where To Find Us?



info@biocylindersafrica.com



+49 1573 556 7635

+49 1525 189 3752