



# THE EXCITING WORLD OF FAECAL SLUDGE RE-USE

## Exploring turning poop into gold



**8TH JULY 2020 - 8.30 TO 13.00**

**9.30-10.10  
Animal Feed**

**10.15-10.55  
Biomass Fuels**

**11.00-11.40  
Compost**

**11.45-12.30  
Electricity/Biogas**

**Join us on ZOOM**

**Meeting ID 852 0231 3363**

Block 1:

# ANIMAL FEED

**SANERGY**



Photo credit: Sanergy



# Our Solution for Safe Waste Management in Booming Cities.

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July 2020 - Kenya

Confidential presentation. Do not distribute.

Read more about our story here:



FINANCIAL  
TIMES

the **guardian**

**Bloomberg**  
**Businessweek**

**FAST**COMPANY

**TED**

Le Monde



In Kenya,  
**8 million  
people** live  
in informal  
settlements  
where waste  
is improperly  
managed.

**\$270M**

lost in economic  
productivity

**90%**

Waste never  
treated





Nairobi also produces significant amounts of solid waste that is illegally dumped into the environment

**4,500T**

Solid Waste  
Generated in  
Nairobi Every  
Day

**2,000T**

of which is  
organic Waste



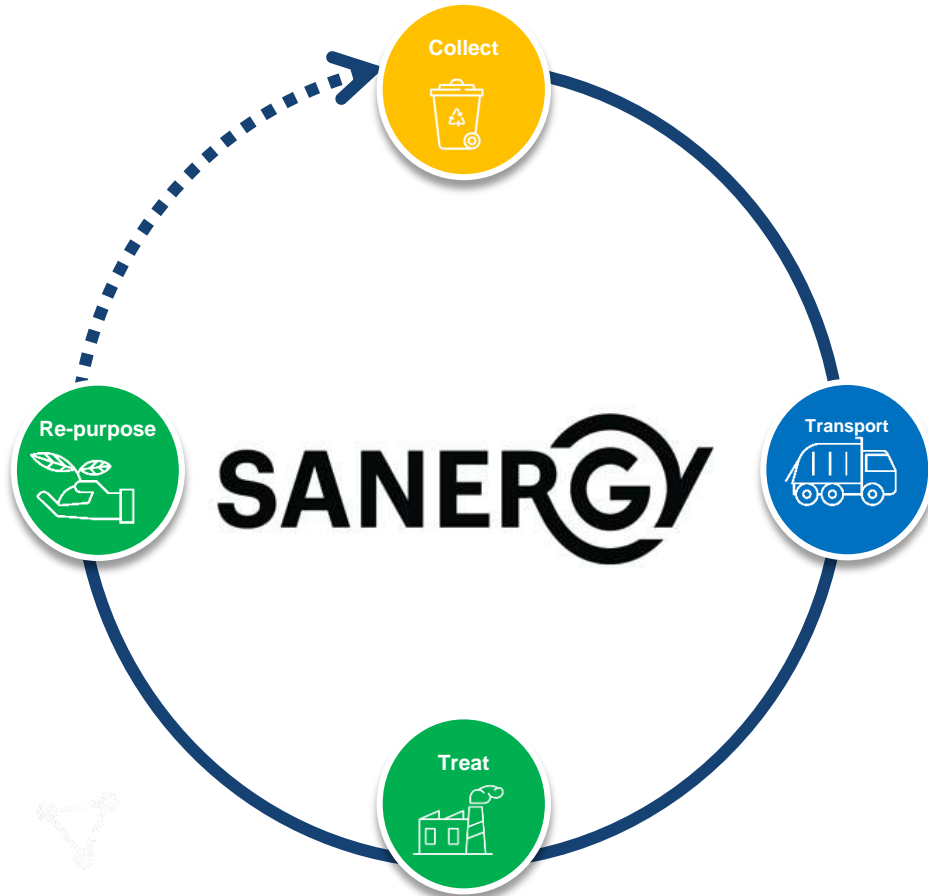


Kenya is at crisis levels in terms of declining agricultural productivity





# Sanergy's solution for cities: A circular economy approach for waste management



On average, we collect 300t/month of solid organic waste from key clients across the city – hotels, conference centers, and ag pack houses

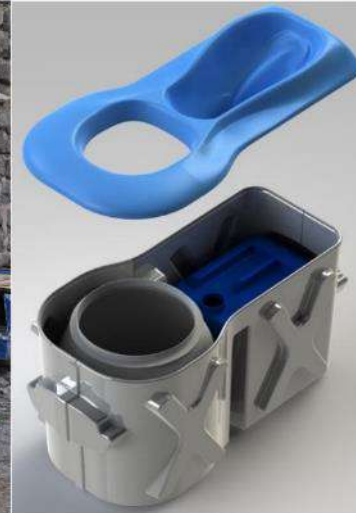






Build & support

We also  
collect over  
300t/month of  
sanitation  
waste from  
proprietary  
toilets  
managed by  
Fresh Life  
Initiative





## Transport

We safely and professionally remove all the waste generated.





# Black Soldier Fly Larvae efficiently reduce organic waste matter



**Black Soldier  
Fly Rearing**



**12 days**

**Production:  
Waste  
Conversion**



**5-10 days**

**Production:  
Processing**



**10 days**

**Packaging  
&  
Sales**



**1 day**



## Treat & Convert

We transport all waste to a large-scale processing plant which has the capacity to process 12,000 tons of waste.







**Treat & Convert**

We ensure  
safety of all  
our processes  
and products.





Treat &  
Convert

We treat  
and upcycle  
100% of  
waste into  
agricultural  
inputs.





**Our impact:** We are building a clean, climate resilient city



**12,000**

T of waste per  
year collected

**100%**

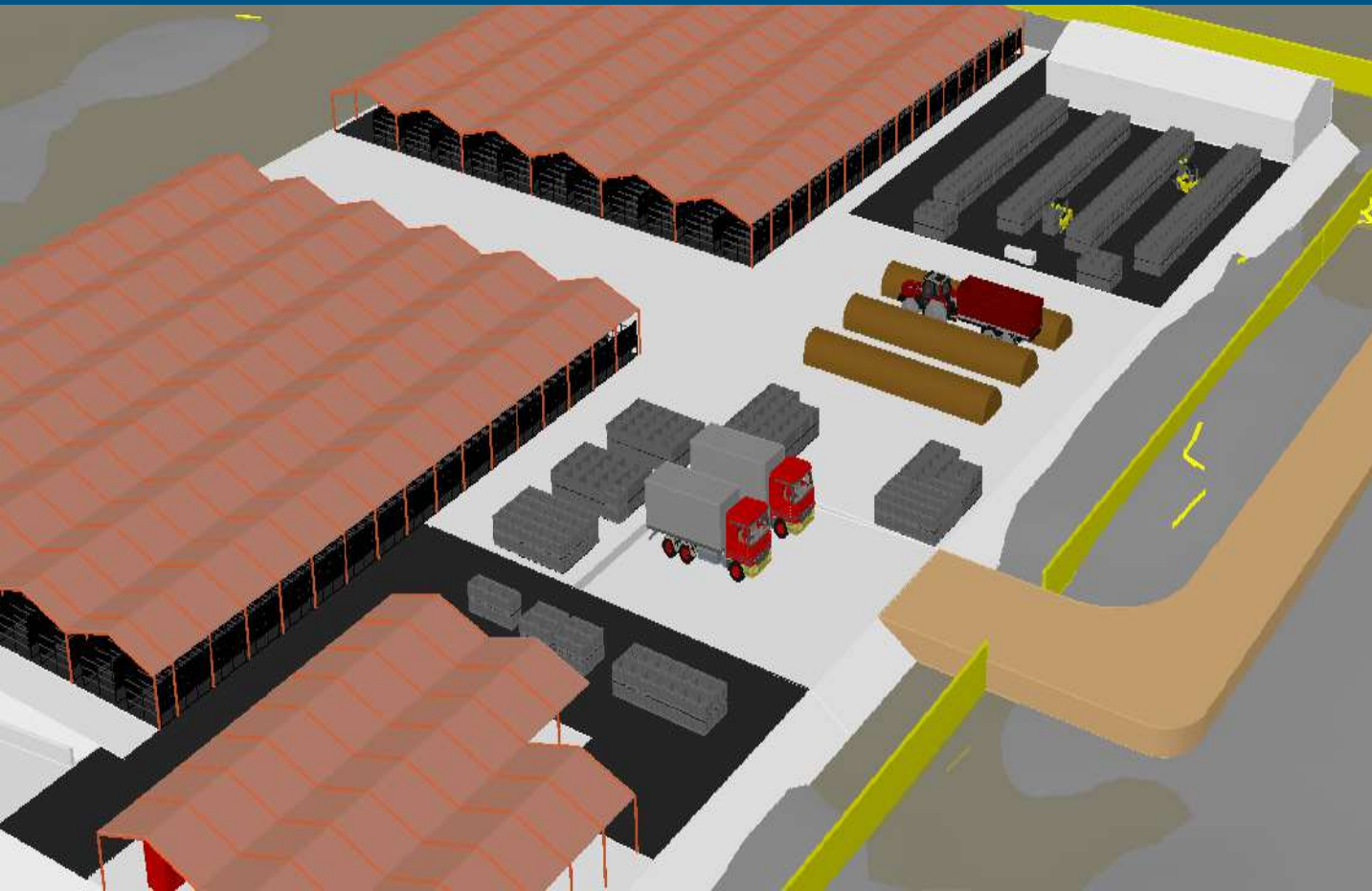
treated



A man in a white lab coat is holding a large, colorful rooster. He is standing in a field of tall green grass. Next to him are two large white bags of Evergrow Organic Fertilizer. The bags feature the Farm Star logo and a list of ingredients and nutrients. The man is smiling and looking at the camera. The background shows a rural setting with trees and a small building.



# By 2020, we will complete the largest organics recycling factory in Sub-Saharan Africa



**72,000**

Metric tonnes  
of organic  
waste per  
year.

**3,600t**

Of KuzaPro

**6,000t**

Of Evergrow  
fertilizer

# Asante!

Join us as we build clean, green cities of tomorrow.





# Q&A

## ANIMAL FEED





# Sustainable Solutions for Growing Cities

## VIDEO



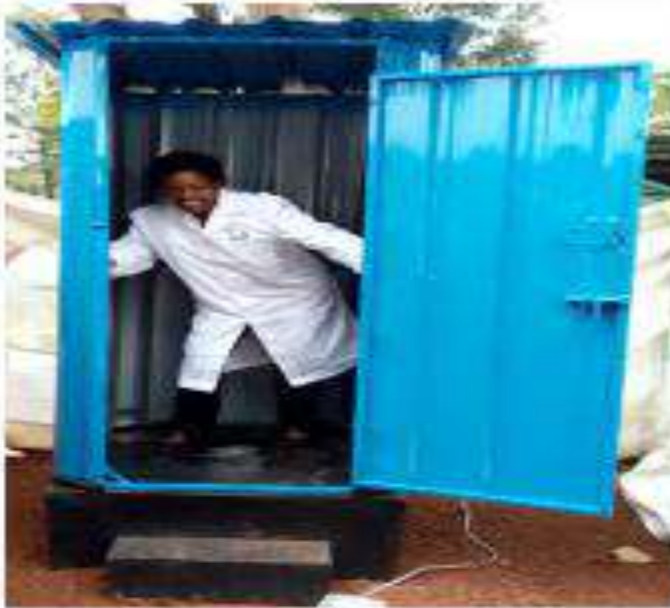
[https://drive.google.com/file/d/1RswxK5zdFdeeVRC7f4U2gtyUiKCLI-\\_2/view](https://drive.google.com/file/d/1RswxK5zdFdeeVRC7f4U2gtyUiKCLI-_2/view)

Photo credit: Sanergy





# From Waste to Wealth and Health



**Joy Nyawira Riungu**  
Senior Researcher, Sanitation  
Research Centre,  
Meru University, Kenya





Bio-resource based approach to sanitation  
***A three stage process from urine-diversion toilet and collection to treatment and conversion into***



# Novel Products



Organo-fertilizer

Agro-protein

Biscuits



# Product Impact

## Fish Ponds



## Chicken feed





**JOIN THE SHIT  
REVOLUTION**



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# Q&A

## ANIMAL FEED



SNV

THANK YOU  
FOR  
JOINING US!



SNV