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***Gjenge a recycling ecosystem solution, for urban sustainability.***

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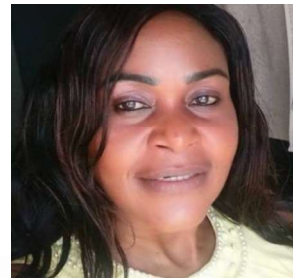
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## Team



**Nzambi Matee**  
Founder & CEO



**Margaret Matee – Board & Business Developer**



**Paula Aschenbrenner**  
Product Developer



**Njau Ndungu - Marketer**

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## Problem

- Waste pollution is a looming world wide problem, especially as far as plastic waste pollution is concerned.
- In Nairobi alone 68% of waste generated comes from domestic while 14% is industrial.
- According to a recent UNEP Survey it shows that Nairobi, alone with a population of about 4 million generates about 3200 tons of waste a day . In Nairobi, capital of Kenya, 68% of waste generated comes from domestic while 14% is industrial.

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## Problem

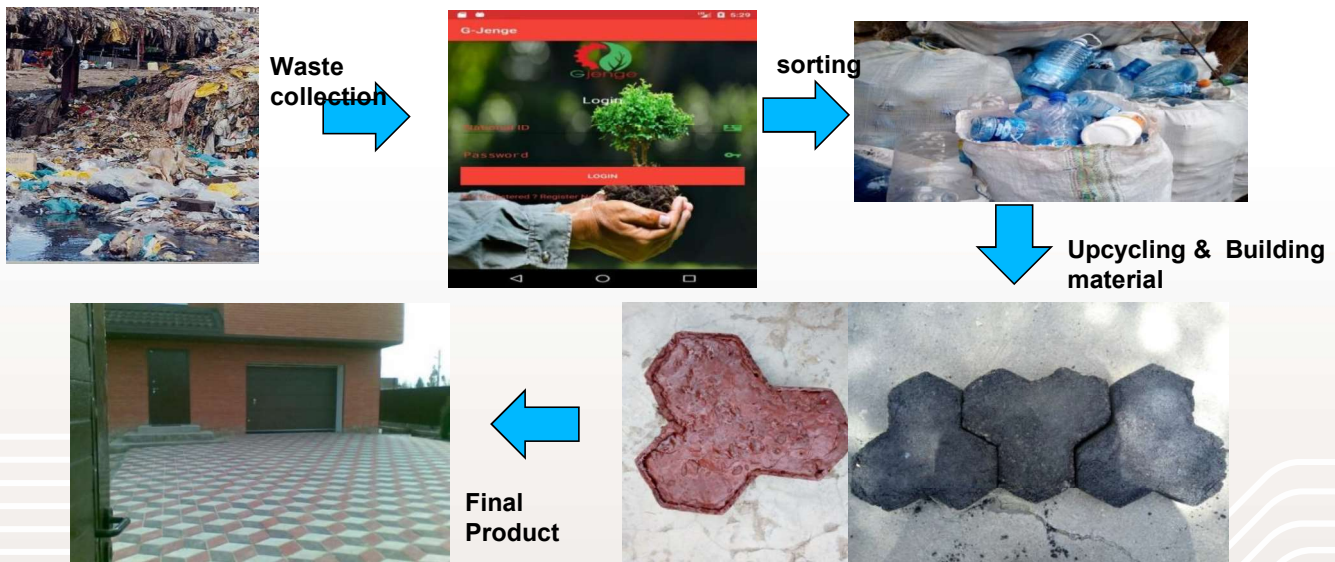


Solid waste pollution is a looming issue that is chocking life in Nairobi and major cities in Kenya.

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## Solution

Gjenge provides an ecosystem where we are collecting plastic waste, upcycling and providing alternative building blocks



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## Solution

- We collect the waste plastic in households and we are currently registering people onto our application for connection. The customers give our collectors plastic waste and they are credited point.
- The plastic is collected and then sorted, based on their types.
- The plastic is then processed and mixed with sand and then shaped into various size paving bricks.

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## Competitive edge

- Bricks use plastic as the adhesive so they are relatively cheaper to produce yet they have relatively same performance properties.
- Can be customized based on the needs and they have different color and designs.
- The production is efficient since all the residue can be reprocessed again.
- Social impact on use of waste plastic from the environment.
- We have been able to test the market and gotten 3 interested customers with 1 already committed to buying once we start mass production.
- Currently in the process of getting certification from Kenya Bureau of Standards.

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## Way Forward

Aquire machines e.g. Crusher, Extruder with molds and Hydraulic press.

We will also set up a workshop where we will be able to mass produce the bricks



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## Future plans

- Using this technology we want to be able to build for millions of homeless people houses since this technology has been tried and tested in other part of the world e.g. Colombia by Concepticos Plasticos
- In addition to building our mobile app on blockchain platform, so that people can slowly start saving for their homes.



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