

Welcome to the first issue of the Taka Taka Zero Newsletter. We hope to give you some insight into our achievements this past month, our current progress, and our future plans, as the project makes it's long awaited step towards implementation.

## A Brief Introduction...

Taka Taka Zero is an international project, associated with Enactus, based in Nairobi, Kenya. We believe in the power of entrepreneurship make tangible social and environmental change. Our vision is to generate food and job security through a waste conversion system, empowering clean, self-sufficient communities. We strive to give formerly unemployed youths the tools to support themselves and their community, without jeopardising the planet.



**Pictured above:** The Durham team, 8 members from 6 different nationalities, all with a common passion for change-making.

- Residents bring their domestic waste which fuels the Community Cooker.
- The Community Cooker is a unique waste-to-energy technology which not only gets rid of but makes use of non-recyclable waste by converting it into clean fuel for a large stove. It incinerates waste at 880-1200 degrees centigrade to release fully combusted white gas.
- Surplus food produce from local supermarkets is received by donation to cook meals on the Community Cooker.
- Food insecure families of Kibera can receive a free, nutritious meal cooked in the Swap Shop.
- The shop is run by previously unemployed youths, thereby educating, and empowering them with skills for their future career paths.
- We are: Eliminating household waste. Utilising surplus supermarket foods. Creating cleaner energy. A net-zero waste initiative!

## The Basics of the model...



The Swapshop centres around the 'Community Cooker', an innovative stove, running on clean, efficient energy, produced by incinerating non-recyclable waste which will be collected from local businesses and the community

# CURRENT PROGRESS

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In the past 3 months...

## FUNDRAISING SUCCESS

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1. Training of youth employees
2. Collect impact measurements for concrete evidence of the project impact and potential impact in Kibera.
3. Create a long-term model for the Mathare Community School to reduce their waste.
4. Provide healthy vegetable and fruit-based supplements to existing grain-based school meals.
5. Educate school children of environmental and waste-related topics through the cooker, as well as purposeful workshops run by our employees.



## THE KENYA TEAM

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1. Training total of approximately 30 youth (18 from One Chuom Youth group & 10 unemployed alumni from Mathare Community School.
2. 2-week training periods for subgroups  
Groups of 5 youths will be training at CC Mathare at a time and run the model. Alternative volunteering projects will be run simultaneously for other involved youths (workshops with school children, project development, etc.)

# FUTURE DIRECTION: PILOT PROJECT

Our plan is to run a 2-month pilot starting mid-April 2022, in partnership with CC Foundation, One Chuom Youth Group, and Mathare Community School. The project is based at CC Mathare to provide breakfast and lunch five days a week for 300 children as well as the teaching and learning staff. Students will be encouraged to bring their daily domestic waste to school, using our custom Taka Taka Zero tote bag, to fuel the Community Cooker. All cooking is transferred to the inactive CC and run by One Chuom members in collaboration with alumni of Mathare Community School.

## GOALS FOR PILOT

1. Training of youth employees
2. Collect impact measurements for concrete evidence of the project impact and potential impact in Kibera.
3. Create a long-term model for the Mathare Community School to reduce their waste.
4. Provide healthy vegetable and fruit-based supplements to existing grain-based school meals.
5. Educate school children of environmental and waste-related topics through the cooker, as well as purposeful workshops run by our employees.



## EMPLOYEES & TRAINING

1. Training total of approximately 30 youth (18 from One Chuom Youth group & 10 unemployed alumni from Mathare Community School.
2. 2-week training periods for subgroups  
Groups of 5 youths will be training at CC Mathare at a time and run the model. Alternative volunteering projects will be run simultaneously for other involved youths (workshops with school children, project development, etc.)

## ADDITIONS TO THE MODEL

1. Tote bags for children's domestic waste
2. Community Bins distributed around Mathare
3. Workshops with Children (cooking classes and creative recycling)

## PREDICTED IMPACT

600

daily meals provided including breakfast and lunch

150kg

daily non recyclable waste collected and used as fuel

326

school children fed 2x a day, 5x a week, for 2 months