



TRANSFORMING LONGIDO FOR SUSTAINABLE DEVELOPMENT

Green Masai Foundation-Longido waste management programs.



**CATALYZING SUSTAINABLE DEVELOPMENT THROUGH COMPREHENSIVE WASTE MANAGEMENT.
GREEN MASAI FOUNDATION'S WASTE MANAGEMENT INITIATIVE**

EXECUTIVE SUMMARY



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In response to the escalating environmental crisis in Longido, the Green Masai Foundation is embarking on a comprehensive waste management initiative aimed at safeguarding the region's ecological integrity and fostering sustainable development. Longido, a pastoral community, faces a severe threat from plastic waste, with documented cases of livestock casualties due to the ingestion of plastics from their feeding areas. Recognizing the urgency of the matter, the Green Masai Foundation has formulated a multifaceted strategy to address the issue effectively.

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Longido's unique pastoral landscape, though picturesque, is now under siege due to the proliferation of plastic waste. Livestock, a cornerstone of the community's economy, faces perilous consequences from ingesting plastics. Beyond the immediate environmental impact, this crisis also jeopardizes the livelihoods and well-being of the pastoral communities.

BACKGROUND

PROJECT OBJECTIVES

WASTE MANAGEMENT AND SUSTAINABLE DEVELOPMENT

By Green Masai Foundation- Longido, Arusha, Tanzania

WEEKLY ENVIRONMENTAL PROJECTS

Launching community-led cleaning initiatives where residents actively participate in public cleaning projects every Saturday.

Introducing incentives, such as "Nyama choma from mnadani" and participation commissions, to encourage widespread engagement.

COLLABORATION 2023

Forging a secure channel to supply waste to companies specializing in transforming solid waste into fertilizers for agricultural purposes.
Enhancing the circular economy by creating sustainable pathways for waste transformation and reuse.

DUSTBIN PROJECT

Deploying modern and strategically located dustbins throughout streets and public areas to facilitate immediate waste disposal.
Implementing waste trucks for efficient mass waste transportation to designated treatment facilities.

Waste and Air Quality Index (AQI) Center

Establishing a state-of-the-art center for large-scale waste collection, treatment, and innovative solutions.
Integrating technologies to monitor and manage air quality, providing valuable data for informed decision-making.



LONG-TERM VISION

WASTE MANAGEMENT AND SUSTAINABLE DEVELOPMENT

By Green Masai Foundation-Longido, Arusha, Tanzania

➤➤➤ AIR QUALITY RESTORATION

In the heart of Longido, where the majestic Maasai landscapes paint a canvas of tradition and resilience, the Green Masai Foundation took a pioneering step towards a future where sustainability harmonizes with progress. Witnessing the profound impact of plastic waste on their cherished animals and the unaccustomed intrusion of air pollution, the Maasai people rallied behind the Foundation's initiative for a cleaner, greener Longido.

➤➤➤ CULTURAL RESTORATION

In the shadow of the iconic mountains, Green Masai Foundation became the catalyst for change, actively engaging in hands-on environmental cleanup efforts. The Maasai, stewards of these lands for generations, found a renewed sense of purpose in restoring the natural beauty that defines their identity. With every piece of plastic removed, the Foundation worked towards not just waste management but a restoration of the very essence of Longido.

EXPERT ADVICE

The Green Masai Foundation calls upon the government, investors, and stakeholders to support this transformative waste management initiative in Longido. This comprehensive strategy not only addresses the immediate environmental concerns but also lays the groundwork for sustainable development, setting Longido on the path to becoming a beacon of environmental stewardship and innovation.

➤➤➤ GUARDIANS OF GREEN

The commitment to cleanliness, both in the landscape and domestic spaces, resonated deeply with the Maasai community. Through collaboration and shared responsibility, the Green Masai Foundation and the Maasai people became the guardians of a pristine Longido. This wasn't just about waste management; it was a collective endeavor to safeguard the unique heritage of Longido.



▶▶▶ MOUNTAIN LONGIDO FROM THE SUMMIT AND BASE

As the sun set over a rejuvenated Longido, the air crisp and clear, a powerful message echoed through the hills – the spirit of the Maasai and the vision of Green Masai Foundation, together shaping a future where environmental sustainability intertwines with the rich tapestry of Maasai tradition. Join us in this journey, where every act of care for the environment is a step towards preserving the authentic identity of Longido and creating a model for sustainable living across Africa.



OUR PROJECTS

These initiatives represent our showcase projects aimed at illustrating the impact of our waste management programs in Longido, Tanzania.

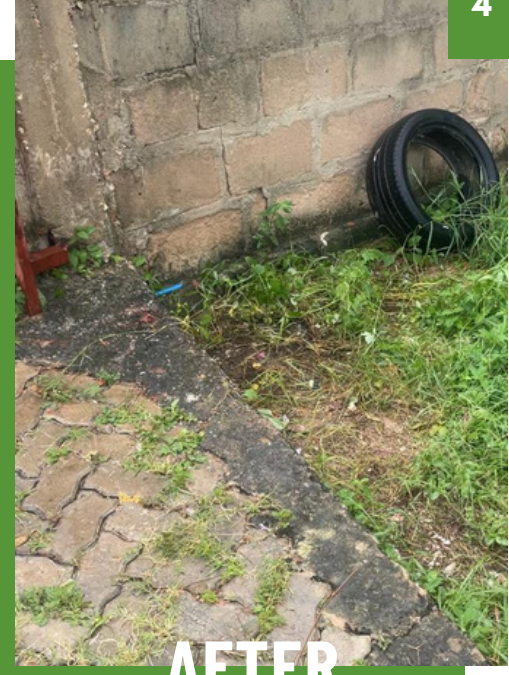
RESULTS OF OUR SMALL SCALE PROJECTS-2023



BEFORE



DURING



AFTER

Witness the transformative journey through the impactful before-during-and-after visuals of our projects, a testament to the positive change we bring. Support us in creating a sustainable and cleaner future.

TO THE DUSTBINS



OUR WASTE PATHWAY TO SUSTAINABILITY

TO THE GARBAGE TRUCKS



OUR PROJECTS

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TO THE WASTE TREATMENT CENTER



WASTE MANAGEMENT INITIATIVE WITH FOUR KEY COMPONENTS

4-MAIN AREAS OF OPERATION

By Green Masai Foundation- Longido, Arusha, Tanzania

>>> DUSTBIN PROJECT

Deploying strategically located dustbins for immediate waste disposal in public areas.

>>> WASTE TRUCKS

Implementing waste trucks for efficient mass waste transportation to designated treatment facilities.

>>> WASTE AND AIR QUALITY INDEX (AQI) CENTER

This center will also monitor and manage air quality, providing valuable data for informed decision-making.

>>> COLLABORATION FOR WASTE TRANSFORMATION

Forging secure channels to supply waste to companies specializing in transforming solid waste into fertilizers for agricultural purposes, enhancing the circular economy.



GMF-EXPERT ADVICE

Considering the size and population density of the targeted wards, we estimate the need for approximately 500 strategically located dustbins. These bins will be placed in public areas to ensure easy access for residents, encouraging responsible waste disposal practices.

>>> PROJECT INSIGHT

This multifaceted approach aims not only to address immediate environmental concerns but also to set the stage for Longido's sustainable development. It reflects a commitment to a greener future, where waste is managed responsibly, and Longido becomes a model for environmental stewardship and innovation. Join us in investing in Longido's sustainable development.

OUR TARGETED OUTCOMES

TARGETS FOR THE WASTE MANAGEMENT PROJECT

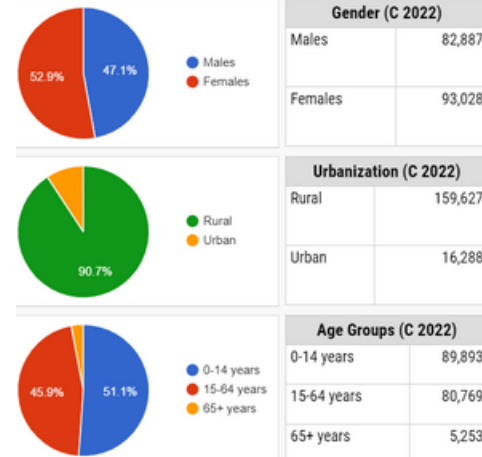
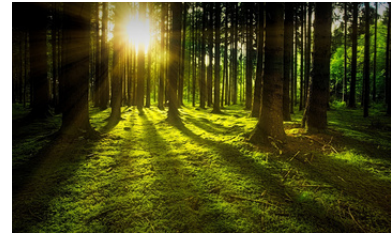
By Green Masai Foundation- Longido, Arusha, Tanzania

GMF DEMOGRAPHIC INSIGHTS (LONGIDO)

Targeted Wards:

- 1. Elang'ata Dapash
- 2. Engarenaibor
- 3. Engikaret
- 4. Gelai Lumbwa
- 5. Gelai Meirugo
- 6. Iloirienito
- 7. Kamwanga
- 8. Kitumbeine
- 9. Kimokouwa
- 10. Longido
- 11. Matale
- 12. Mundarara
- 13. Namanga
- 14. Olmolog
- 15. Orbomba
- 16. Tingatinga

These wards represent areas of high population density, making them crucial focal points for immediate waste disposal initiatives. By targeting these regions, we aim to address pressing waste management issues efficiently.



LONGIDO DEMOGRAPHIC REFERENCE-2022

| Name | Status | Population Census 1988-08-27 | Population Census 2002-08-01 | Population Census 2012-08-26 | Population Census 2022-08-23 |
|---------|----------|------------------------------|------------------------------|------------------------------|------------------------------|
| Longido | District | ... | ... | 123,153 | 175,915 |

Longido

- 175,915 Population [2022] - Census
- 8,064 km² Area
- 21.82/km² Population Density [2022]
- 3.6% Annual Population Change [2012 → 2022]

Longido District: district in Arusha Region, Tanzania

| Age Distribution (C 2022) | |
|---------------------------|--------|
| 80+ years | 1,411 |
| 70-79 years | 2,289 |
| 60-69 years | 3,932 |
| 50-59 years | 6,960 |
| 40-49 years | 11,535 |
| 30-39 years | 18,684 |
| 20-29 years | 27,178 |
| 10-19 years | 35,579 |
| 0-9 years | 68,347 |

WASTE TRANSPORTATION

Simultaneously, Green Masai Foundation plans to deploy 2 waste trucks equipped for efficient mass waste transportation. The exact number of trucks will be determined based on the volume of waste generated in the targeted areas, ensuring a seamless and sustainable waste management process. Along with up to 500 movable and fixed dustbins, that can sort the type of waste during collection, that will be installed across Longido district.





Collaborations for waste transformation

SUSTAINABLE DEVELOPMENT:

Green Masai Foundation is committed to establishing meaningful partnerships with leading Tanzanian companies and counterparts in East African nations renowned for their cutting-edge waste transformation technologies. Our objective is to create a seamless and environmentally conscious waste processing chain, from collection to the creation of final usable products.



By partnering with technology-forward companies, we envision implementing innovative solutions that contribute to the circular economy. This initiative will not only address waste management but also promote sustainable practices within the region.



Recognizing the importance of Longido's wildlife corridors, we are dedicated to conducting our operations in a manner that minimizes environmental impact. Our partnerships will adhere to stringent environmental standards, ensuring the protection of the unique ecosystems surrounding Longido.



THE GLOBAL GOALS

We approach collaboration strategically, considering the unique wildlife corridors around Longido district. Our aim is not just waste transformation but ensuring that every step in the process aligns with our commitment to environmental preservation.



For detailed inquiries on donations, investment structures, financial information, volunteering opportunities, partnerships, and more about Green Masai Foundation programs, connect with our expert team in this field of operation. Green Masai Foundation warmly welcomes progressive inputs for sustainable development in Tanzania and East Africa.

"Revolutionize Waste: Embrace the Circle of Sustainability!"

As we embark on this transformative venture, we invite you to join us in shaping a future where waste becomes a valuable resource, and conservation aligns harmoniously with technological advancements. Together, let's forge a path towards sustainable development and environmental stewardship.

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