

WATER RESERVOIRS

Water harvesting in the eco manyatta increases access to clean water whilst women will not walk long distances to fetch water and hence redirect time and effort towards other socio-economically productive enterprises. This will lead to reduced human-wildlife conflict currently being experienced and ensure protection of vital rivers and water bodies that are crucial in supporting the eco-system.



AFRICAN CONSERVATION CENTRE



Strathmore UNIVERSITY



ECO-TOILET



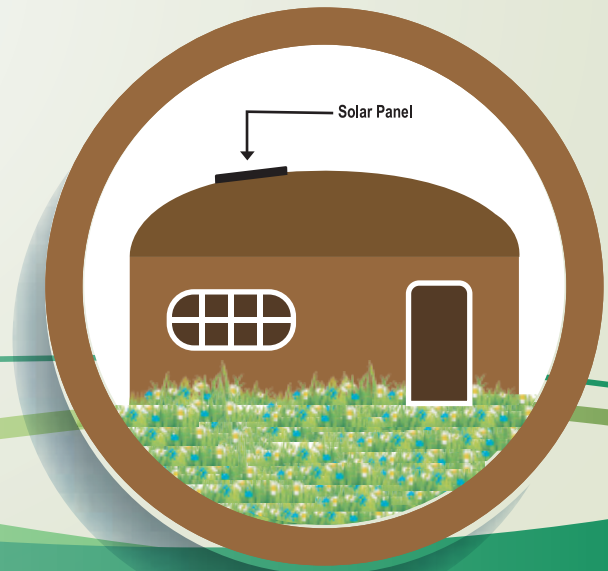
The eco manyatta offers a decent toilet in every home which is affordable, has a lid to stop flies' infestation, is easy to use, easy to install, easy to clean, easy to move to another location and long lasting.



SILAFRICA
We Understand Plastics Better



Sustainable Livelihoods for the Pastoralists Communities



DEVELOPMENT OF GREEN BUILDING SKILLS AND CREATION OF GREEN JOBS

Eco manyattas will be promoted within the pastoralist communities who will also receive capacity building with the aim of creating jobs and/or self-employment ventures that contribute to a more sustainable environment (green jobs).

Find us on:

<https://ecomanyattaafrika.com>

Email: info@ecomanyattaafrika.com

INTRODUCTION



The arid climate conditions coupled with the poverty faced by several pastoralist communities have seen them endure higher temperatures, intensifying rains and increasingly frequent extreme weather events that can only exacerbate the problems of development. It is from this background that Eco Manyatta Afrika in partnership with various development partners are aiming to improve the conditions and living standards of these pastoralist communities.

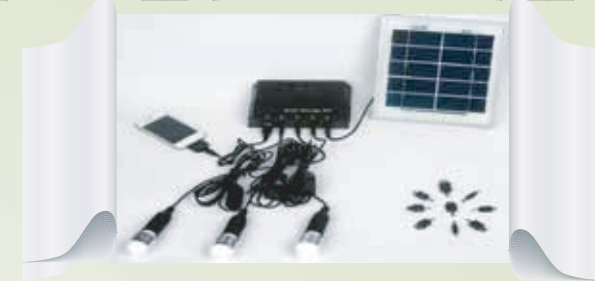
OUR GOAL

To enhance the Maasai Manyatta using locally available resources and materials, powered with readily available sustainable green energy supply from solar and biogas technology and with the ability of harvesting and storing rain water. The enhancement is cautious not to interfere with the existing manyatta design and lifestyle.

Objectives

- 1 To come up with a modern housing design that is affordable and sustainable to the pastoralist community. That utilizes locally available material.

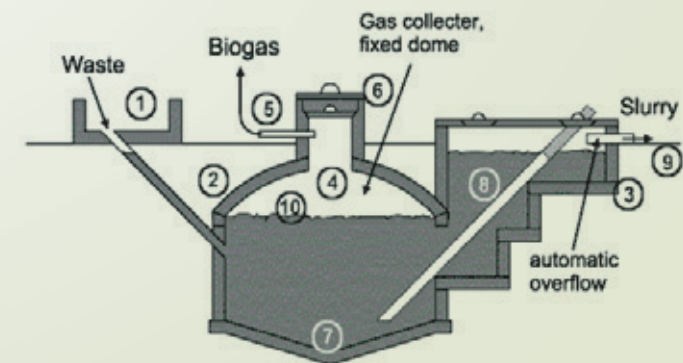
- 2 To integrate a simple and portable biogas technology for cooking and heating energy with feedstock being cow dung.
- 3 To install solar energy kits, a simple solar energy device that has a small solar panel with 3 LED bulb fittings that can light up the entire manyatta as well as charge a mobile phone.
- 4 To install water harvesting and storage techniques for sustainable water supply.
- 5 Use of Eco toilets that do not need water and yet are odorless.
- 6 To implant green building skills into the local community creating opportunities for green livelihoods (jobs).
- 7 Empower the community through eco-libraries and e-learning infrastructure.



BIOGAS

Features and Benefits

This is a 3 meter cubic portable plastic digester whose feedstock is the readily available cow dung which can generate enough biogas for cooking for an average rural household. It conserves the environment through prevention of rampant deforestation caused by firewood collection (an effort which can be redirected to other socio - economically productive efforts). Deforestation contributes heavily to climate change and global warming issues while the inhalation of gases emitted from lighting firewood are a huge cause of respiratory and eye diseases amongst the pastoralist communities.



SOLAR ENERGY KIT

Features and Benefits

Contains 3 LED power outlets, a mobile charging USB port, 5 meter long cable and a solar panel able to light up to 3 rooms/spaces for 6-8 hours (after day long solar charging). This saves on household costs incurred purchasing kerosene and other health related costs for treating respiratory and eye diseases caused by indoor air pollution from gases released when lighting kerosene and firewood. It also provides proper reading lighting for school going children, enhancing their performance in school.