

Kasisa's Sustainable Living Architectural Design Competition

Student Design Competition



A collaboration between

Kijiji Innovative Sustainable Solutions; Hunt Institute for Engineering and Humanity, Sustainability + Development Program, CEE Lyle, SMU; Ardhi University, University of Dar es Salaam, Mbeya University of Science and Technology, Tanzania.

Kijiji Innovative Sustainable Solutions (KISS)

Vision

A Tanzania that is aware of its role on environmental stewardship and takes development initiatives that are conscious of environmental impact on future generations. A Tanzania that remains as a paradise island with its wildlife protected and natural resources replenished in the course of its economic development.

Founder

Clara Ford was born and raised in Tanzania to politician father and a mother who was public school teacher, hence Public service and the importance of giving back was instilled in her from a very young age. She migrated to the USA in the year 2000, and now lives in Dallas, TX with her husband and 3 children.

Objectives

1

Sustainable and Durable Buildings

Develop and test building techniques that utilize local materials and skills. Buildings will be efficient, durable, and resilient.

2

Energy Efficiency

Develop and test solutions, and provide education on energy efficiency and develop the local workforce.

3

Renewable Energy

Identify renewable energy solutions and implement. Develop a local workforce

4

Clean Water

Develop water infrastructure in a sustainable way and improve cleanliness.

5

Sanitation

Develop and implement improved sanitation methods for human waste and wastewater.

6

Sustainable Agriculture and Aquaculture

Develop and share the best sustainable agricultural and aquiculture methods.

7

Waste Collection/Recycling

Work on solutions to the entire waste stream issues.

8

Education/ Training

Develop classes, collaborations and courses in all of the topic areas, as well as other important issues.

9

Health

Provide and support health resources for the community.

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Project Vision

Kijiji will be a sustainable experimental environment that will showcase innovative ideas and technologies to support sustainable growth and livelihoods within the Kasisa village. The site will also serve as a community space, a site for gatherings and meetings to come up with solutions that will be developed, tested, refined and taught.

The full Kijiji site will contain sites for agriculture and farming, water and sanitation, living gardens and a tree farm, watchmen, staff and family houses and at the heart of the project, the Kijiji Centre, while the living spaces of the project will support our community's development.

Project Design



Environmental

Protect the health of ecosystems in the site and limit the consumption of non-renewable resources.



Economic

Ensure providing functional and flexible spaces that serve as a tool for local economic prosperity.



Social

Promote the wellbeing, health and safety of communities and their visitors.

With an understanding of the importance of protecting the **health of ecosystems** in the site and **limit the consumption** of non-renewable resources, the providing of functional and flexible spaces that serve as a tool for **local economic prosperity** and the promotion of the **wellbeing**, health and safety of communities and their visitors, a proposal will be considered *sustainable* when you:

- a. Understanding and responding to your community's needs.
- b. Set a clear prototype that aims for expandability.
- c. Respect and understand the site (respond to the climate and propose water management strategies)
- d. Limit and manage resources.

Additional resources:
<https://bit.ly/3kiQL12>

Project Program

According to the potential and character of the site, the composition of the parts are left to the architect's criteria. To encourage creativity, whilst respecting the harmony of its parts within the whole and the comfort of its future inhabitants and visitors, the project should house the following:



Common area (interior/
exterior space for
gathering)



Student housing (12
students, 2 teachers, 2
longer term researchers)



Complete toilet blocks
for common and private
use (service for 30
people throughout the
day)

Registration

Teams	1-2 people
Prize	First place: \$500 + Potential to collaborate with the design team. Second place: \$300 Third place: \$200
Deliverables	2 vertical A2 Sheets (PDF files)

Note: Please avoid adding names in your sheets.
Include **only your chosen 4-digit code** in each sheet.



Scan to sign up
<https://bit.ly/3XVLWIW>

Last day to sign up: March 3, 2023

Last day to submit: April 7, 2023