

Design Task

Professional Training Center (PTC) Bambi, Zanzibar (Tanzania)

The municipality of Bambi on the island of Unguja (Zanzibar) has a functioning basic school education.

What has been largely lacking so far are career prospects for young people after leaving school. As part of the UNITY DesignBuild programme, Anhalt University of Applied Sciences is working together with local partners to set up a **Professional Training Center (PTC)** that will provide young people with practical professional qualifications and thus improve their chances of employment and economic independence.

The architecture is intended to be more than just a shell for teaching: it is looking for a place of learning, community, identification and long-term development. The project sees itself as a contribution to the sustainable development of the region and as an example of climate-adapted, resource-saving and socially responsible construction.



*Event at the
Schoolyard of the Bambi Primary
and Secondary School*



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The task

Design a vocational training centre for young people in Bambi, Zanzibar that combines training, meeting and local development in one place.

The centre is to be organised as an open learning campus and enable training opportunities in various craft and service-oriented occupational fields. At the same time, it should take into account the climatic, cultural and economic conditions of Zanzibar and be feasible with appropriate, locally available resources.

The draft is intended to answer the question:

How can architecture convey hope, qualifications and future prospects to young people?



*Teachers and members
of the association MAPOKOPOKO
at their regular
meetings on the
further development
of their school campus*

Project Location

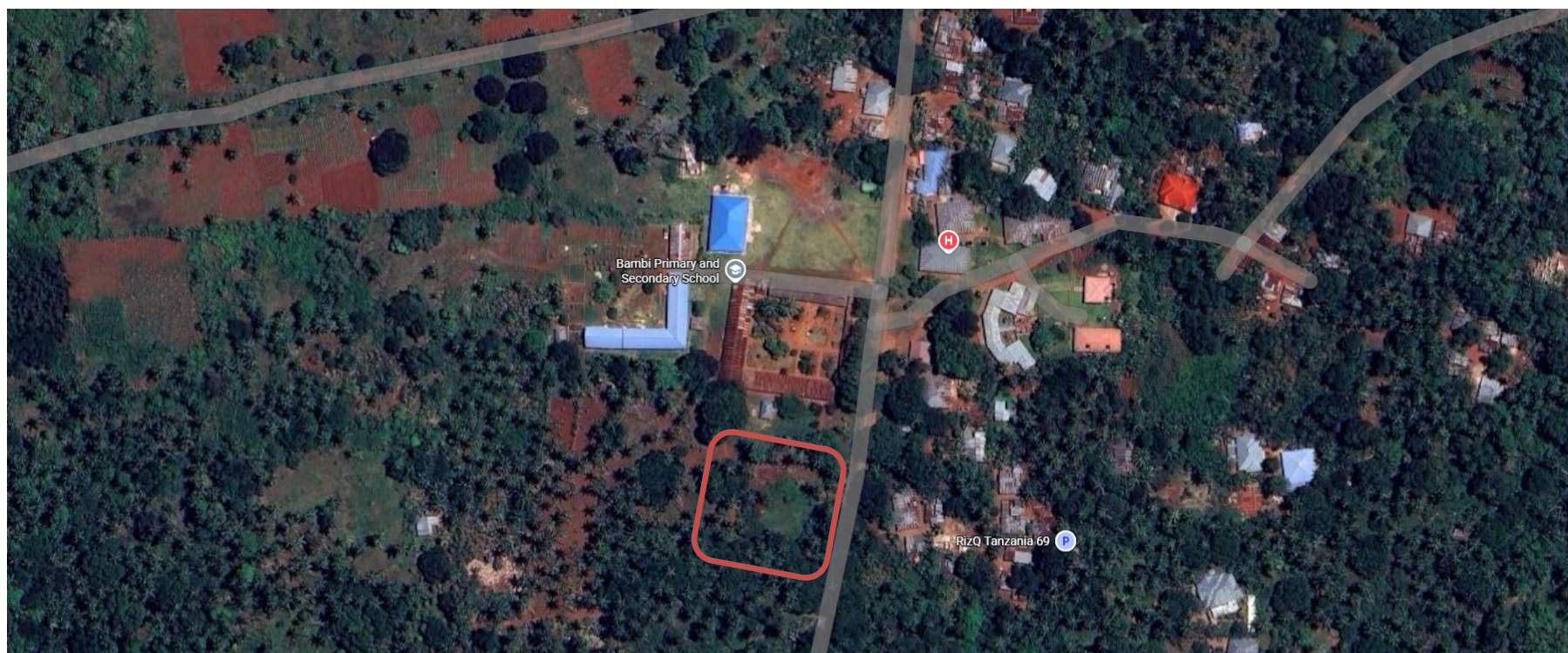
The project partner MAPOKOPOKO has identified a plot of land that formerly belonged to a non-profit organisation that has since been dissolved and is now to be made available for the vocational training centre.

Location on GoogleMaps: <https://maps.app.goo.gl/jN95KnBAftYSimtA9>

Plot size:

- approx. 30 m × 40 m
- Total area: approx. 1,200 m²

The first foundation work has already begun on the site. Further documents are documented in the appendix provided.



Space programme

The vocational training centre is to take in a total of around 75 young people per training cycle.

Training Areas

Each for approx. 15 participants:

1. Tailoring - Workroom - Material storage - Presentation area	2. Cooking / Gastronomy - Teaching kitchen - Preparation area - Warehouse - Possibility of shared meals	3. Kosmetik / Beauty & Cosmetology - Training room - Practical workplaces	4. Agriculture - Theory and demonstration area - Outdoor areas for learning purposes	5. Animal husbandry - Training area - Demonstration and outdoor areas
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Areas of Administration and Community

- Office of the Organization Management
- Teachers' room
- Meeting room
- Computer room with internet access
- Multifunctional meeting area
- Covered recreation areas
- Informal learning and meeting areas

Sanitary areas

- Women's toilets
- Men's toilets
- Thinking about barrier-free use

Design Requirements

1. Climate

Zanzibar has a tropical-warm climate with high humidity.

The design should therefore function

without active air conditioning as far as possible. ^

Particular attention should be paid to:

- Natural ventilation
- Shading
- Daylight use
- Rainwater management
- Overheating protection
- Protected outdoor spaces

2. Construction and materials

Robust, economical and locally implementable solutions are expected.

For example, the following should be examined:

- Masonry
- Natural stone
- Clay building techniques
- Wood
- Locally available building materials
- Hybrid constructions

European standards should not simply be transferred, but critically questioned.

3. Sustainability

Sustainability is understood comprehensively:

- Ecological responsibility
- Ease of maintenance
- Repairability
- Local value creation
- Long-term usability
- Social acceptance
- Low resource consumption

4. Identity

The building is intended to:

- refer to the culture of Zanzibar,
- Convey openness and education,
- be perceived as a visible place of development
- enable a strong identification of the village community.

Special challenge

The project is designed as a potential DesignBuild project. The designs should therefore not only be architecturally convincing, but also comprehensible with regard to later implementation by students and local craftsmen.

Solutions are being sought with:

- clear construction,
- intelligent simplicity,
- high spatial quality,
- realistic feasibility.

Required services

Analysis

- Location and climate analysis
- Reference projects
- Design concept

Deepening

- Constructive façade cut-out
- Climate concept
- Material concept

Design

- Site plan M 1:500
- Floor plans M 1:200
- Sections M 1:200
- Views M 1:200
- at least three perspectives
- a spatial model
- Working model

Judging criteria

In particular, the following will be evaluated:

Architectural quality

- Spatial clarity
- Atmosphere
- Design independence

Climate and sustainability strategy

- Passive solutions
- Resource efficiency
- Low maintenance

Functionality

- Suitability for the training programs
- Flexibility
- Quality of use

Constructive plausibility

- Feasibility
- Simplicity
- Robustness

Contextual reference

- Cultural appropriateness
- Involvement in the community
- Promotion of local identity

Guiding principle

Don't just design a building. Design a place where education, community, and the future can emerge.

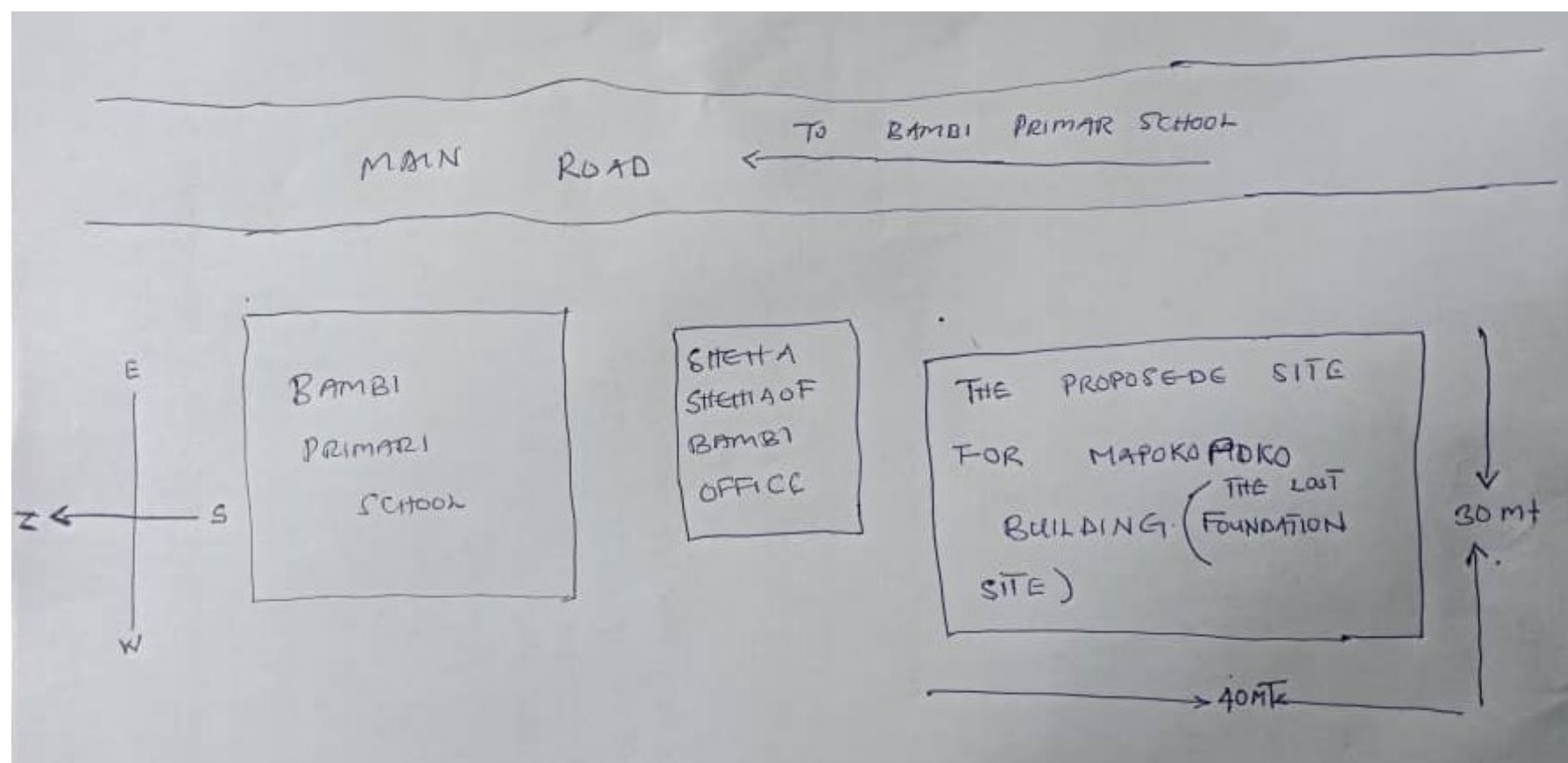
The Professional Training Center Bambi is intended to teach young people skills that open the way to employment, self-employment and economic independence. Architecture becomes a tool for social development. The quality of your design is therefore measured not only by its form, but also by its contribution to the local people.

Appendix - Inventory description of the property

The land intended for the planned construction project was previously owned by the now defunct organization SERVE. Due to the comparable objectives, the property was designated for future use by MAPOKOPOKO by the responsible village administration in coordination with the former management of SERVE.

The property has an almost rectangular floor area with dimensions of about **30 × 40 meters** and thus covers around **1,200 m²**.

At the present time, the property has already been partially developed.



The foundation work for the once planned building has begun and is still on the construction site.

For the design task, the dimensions of the plot, the existing foundation structures and their integration into the future building planning must be taken into account. It is up to the design whether the existing foundation structures are used or a new building is planned.

