Politecnico di Torino

Honors Thesis

Master's degree Science in Architecture Construction City

Abstract

Creating Guidelines for Design:
The case of the abandoned village of Kayaköy

Tutor/Correlator

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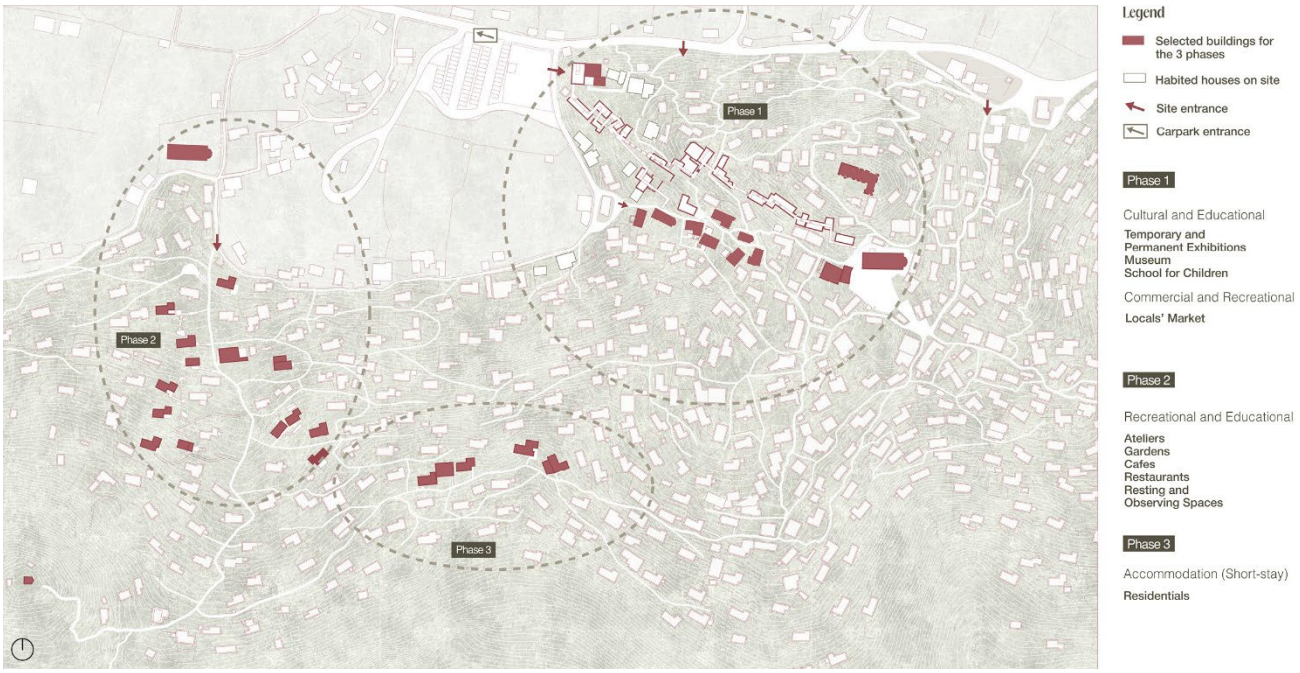
Zeynep Naz Sökmen

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Kayaköy, a village located on the southwestern coast of Türkiye, became an open-air museum after its Rum residents left their houses more than 100 years ago. The effects of the passing time have changed the stone houses into hundreds of ruins. Located near Fethiye, a seaside town known for its historical sites and summer tourism, this village is a place that piques the curiosity of visitors. The plan for how to embrace the potential of the site has been discussed among architects, institutions, and government officials. Despite the years of discussions, Kayaköy continues to decay due to the lack of a solid planning process. Therefore, this thesis aims to create guidelines for designing in Kayaköy that can be effective in fostering a transformation over time in accordance with its historical, architectural, and environmental identity.

Since the site is vast, certain areas are selected according to the cumulation of analyses, along with the site visit, which helps determine the key elements for the guide as well. With the identification of important features of the site and an architectural programme, a list of conditions is created. For the next stage, the structures in the chosen areas are categorized according to the list, which acts as a decision-making tool for the primary design choices. In order to have a detailed understanding of the guide, the design rules are explained and illustrated among the selected buildings. The general guidelines and the selection of detailed explanations can be used as references in future interventions to prioritize effective planning and design

Masterplan



Partial Plan

Cultural & Educational
Recreational & Commercial

Phase 1

8 Local Market

Legend

- Selected buildings for the 3 phases
- Inhabited houses on site
- Site entrance
- 1 1st Main entrance with an elevator
- 2 2nd Main entrance
- U Unofficial entrance near the houses

Functions

1. Visitors Centre
2. The start of the Permanent Exhibition
2a. The exit of the Permanent Exhibiton
3. The start of the Temporary Exhibition
3a. The exit of the Temporary Exhibiton
4. School for Children
5. Museum
6. The Upper Church
7. The Entrance: Ticketing
8. Local Market Area
9. Service Area



Guidelines Commercial & Recreational Phase 1 8 Local Market

1 Platforms

Corten steel platforms

Constructed on slopped areas to create steps.

Steel pillars are used for the construction

2 Openings

The wide openings serve the purpose of communication and commercial activity.

3 Semi-open space

Serves for the commercial activity.

The wall is completed with a new stone material distinguishable from the original.

4 Walls (Closed space)

Consists of resting and storage areas.

The walls are timber studs and panels. The studs are attached to the primary timber beams.

5 Roof

Consists of timber columns, primary beams and studs. The cover is metal sheet on a timber panel.

6 Rainwater collection

The roof is inclined

The collected water can be stored in a cistern.

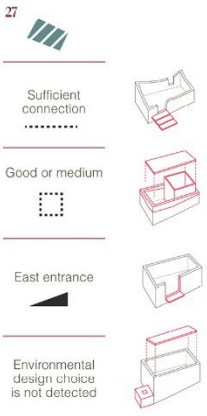
7 Flooring

The foundation is steel helical piles.



The steel foundation connects with the timber columns.

Flooring consists of timber elements.





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