Biography of a House

Silje Dæhli / Maris Mänd

Abstract

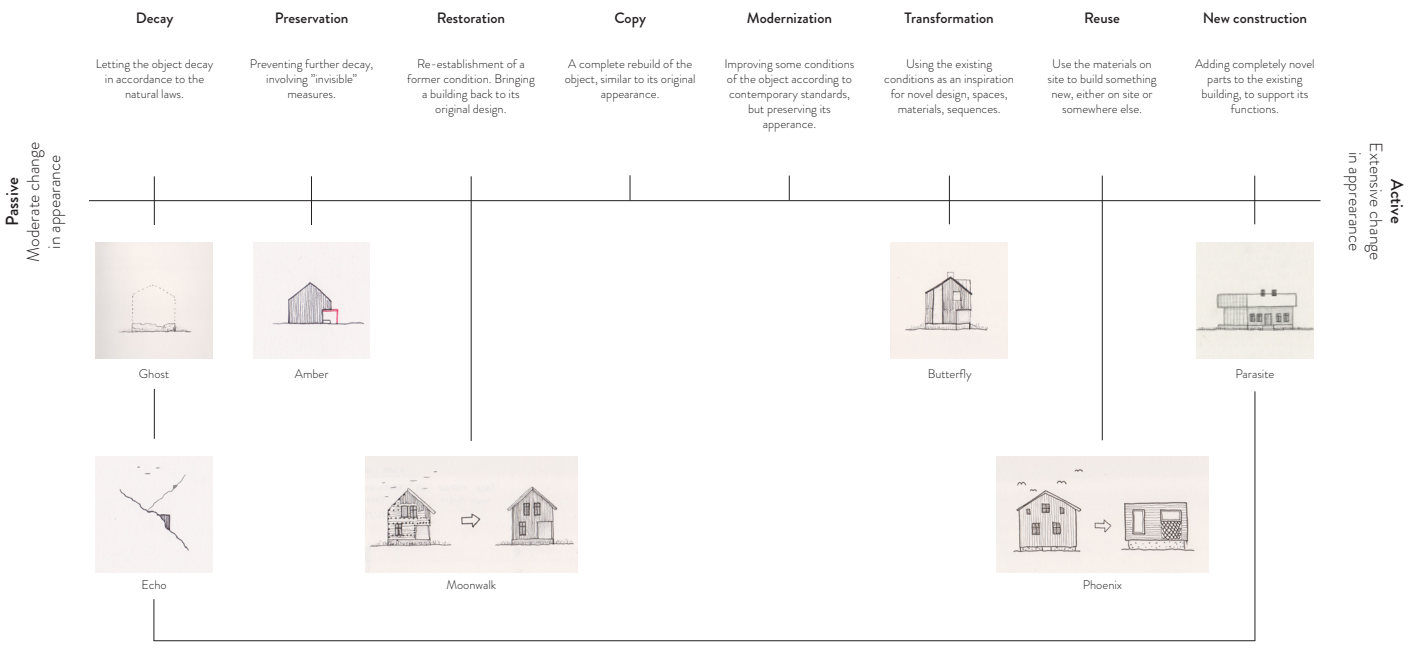
The ruin is a phenomenon that fascinates and awakens a naive curiosity. These structures make your mind wander: Who lived there? Where are they now? Why isn't anyone taking care of the building? It is intriguing to continue reflecting about both the past and potential future of these buildings. We see the ruin as a dormant resource that can provide a deeper understanding of a place and its history.

Such a house is Toralfhuset. The house itself - its structure and architectural DNA - is not exceptional. It is a prefabricated log house in the Swiss style, quite common for the area. It was built in the late 19th century, and is quite a large house, with six bedrooms, a kitchen, a hall, a dining room, two living rooms and a basement with a full floor-height. Throughout the century, it was inhabited by several people, up until the 18th of May 1973, when its last inhabitant - Toralf Mikalsen - passed away. Since then, the house has been without any maintenance, and it has deteriorated to a ruinous state. This is also helped along by locals, who have gathered and reused materials from the house.

Toralfhuset is situated at Røst – an island community of 500 inhabitants – around 100km off the coast from the nearest big city. The archipelago has been settled for many centuries, thanks to the abundance of natural resources from the sea. Here, the people, fish and birds live together in symbiosis.

How can these buildings become resources for their local communities? And is it possible to save a ruin without ruining it?

Our process started with exploring different *approaches* for how to deal with the house, ranging from letting it deteriorate, to a full transformation. This resulted in seven strategies, along an axis of different levels of visual manipulation. To know which strategy would be the correct one to proceed with, we wanted to pinpoint Toralfhuset's *values*.



The value assessment is made on the basis of field search, archival research and interviews with locals. We identified seven categories of values, which relate to both the physical and non-physical aspects of the house: cultural, historical, iconic, anecdotal, resource, ecological and age.

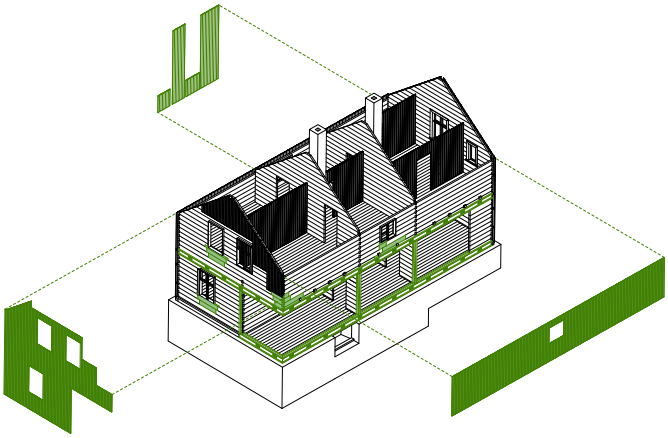
By combining the different *approaches* with the identified *values*, we discovered that sticking to only one of the strategies would not be able to capture the range of values of the house. We discovered that the best solution would be a combination of different approaches in different parts of the house.

We decided to split our interventions into two phases. In this way, we could stop the project after the first phase, and say that our intervention is complete.

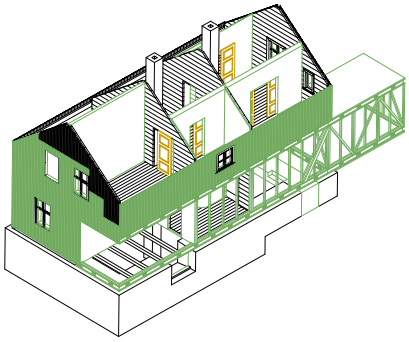
The main goal of the first phase is to prevent the house from further deterioration. In this phase, we are utilizing the approaches that are on the left end of the axis, with visually more subtle interventions. The interventions include switching out the rotten logs with new, fresh wood, supporting the cantilevering south-west corner with a steel construction, and cladding it with similar panel to the original, to protect the exposed log walls.

The second phase is about making the house inhabitable again. Here, we are acting mostly on the right end of the axis, allowing ourselves to become present co-authors of its expression. First, we need to fix the windows, doors, add insulation and bring in infrastructure like water and electricity. Then, we are reintroducing the "missing room" from the south-west corner, and adding it to the opposite, south-east corner. This new, cantilevering space will function as a dining-room in conjunction with the kitchen. This intervention will be hidden from the line of sight from Toralfhuset's most photographed angle, so the house will keep its iconic expression. The rest of the house is kept quite similar to its original plan.

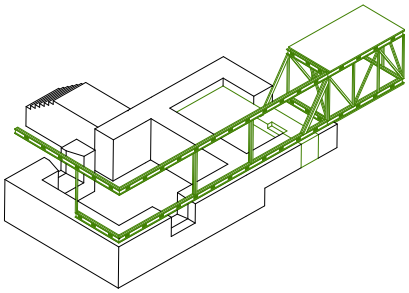
We know that sea-levels are rising, and that Toralfhuset will be in the 200-year storm surge zone by 2090. Knowing that building materials are of great resource value for the locals at Røst, we invite them to help themselves with materials from this point on. To make it easier for them to do so, we imagine a catalogue with an overview of all the materials that are in the building. This way, the house acts as a material-bank for future use. The steel construction, however, will become a part of the new ruin, as a hint of the house that was once there.



Phase one: Preventing further collapse



Phase two: Making the house inhabitable



Epilogue: Allow locals to gather materials

Program

Functional program:
Røst has been a destination for a wide range of visitors for centuries. Each winter, the cod comes to Røst to spawn, which in turn attracts thousands of fishers and birds, ready to harvest from the sea. This has led to a blooming fishing-industry, which is the back-bone of Røst. As of the last decades, tourism has increased. Other visiting groups are researchers, ornithologists and artists.

We started out with not defining the program, but after doing research on Røst, we quickly discovered that it would be a good opportunity to cater to the many visitors that stop by annually. Facilities that everyone needs, regardless of the reason for visiting, is a roof over their head, heat, fresh water and the possibility to make food. Since Toralfhuset has performed as a dwelling before, we think that a similar functional program could be fitting.

Architectural program:
Since we are dealing with a small-scale, existing building, we are in a position to work quite detailed with the building. This will add to the complexity of the project. At the same time, it is important for us that the project relates to Røst at a larger scale.

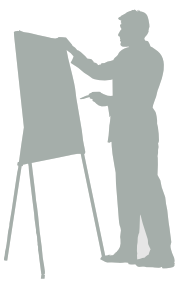
Birds

Proffessional fishers

Tourists

Researchers

Locals



Artists

Strategy/working method:
Our project started already in the pre-diploma, with an intuitive exploration of approaches for the house. The goal was to have some initial ideas prior to visiting the site.

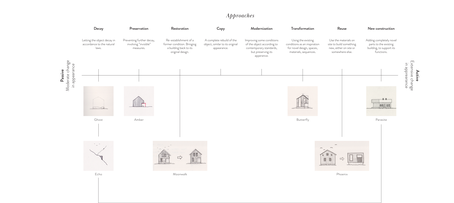
In August, we went to Røst to measure, draw, document and 3D-scan the building. We got to talk to locals and hear about their thoughts of the house, and in general got to know Røst better.

Upon returning to Oslo, we started with building a 1:20 model of the house, in the correct materials and building-techniques. This was so we could experience and better understand its structure.

In parallell, we were creating an intuitive value assessment, before we read up on existing theories on valueing heritage objects. The house is not listed, but we see ourselves utilizing tools from the field of preservation.

Through mostly sketching, conventional architectural drawing and model building, we explored different potentials for interventions. An important part for the development was the conversations we had with engineers, that was paramount for understanding the needs for support that the house demands. These conversations inspired us for our largest intervention, which is the steel add-on on the south-east corner.

Delivered material:
- Drawings 1:50: plan, section, elevation of Toralfhuset, today
- Drawings 1:50: plan, section, elevation of Toralfhuset, our intervention
- Drawing 1:500: siteplan
- Drawings 1:20: details
- Model 1:20: Toralfhuset, our intervention
- Model 1:200: 3D-print of 3D-scan
- Model 1:1000: site
- Model photos
- Diagrams
- Pre-diploma booklet with research and background information
- Catalogue



Colour

Interior, exterior and different colour tones dominate the picture. Only slate-black accents over a large area.

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Material

Rusty, flaky structure. Weathered wood. Dirty, dusty, cobwebbed. Only the reflections of the water and the sky are clean.

Structure

The utility, the living area, as well as the personal spaces. The road, in front of the house, is also clearly visible. Everything is in order, clean and tidy. Despite the fact that the house is empty, it is still clear that there is a person who lives here.

Form

Towering shapes and rectangular structures dominate the picture. Only

Form

Lots of right lines! Recorded. The view into the rest of the building like a tunnel. Lots of rectangular shapes and lines. Only the curtain in the middle of the picture breaks the rectangular structure. Everything is in order, clean and tidy. Despite the fact that the house is empty, it is still clear that there is a person who lives here. The light from the opposite side - where it is not closed - gives a good mood.

Ambiguity

The capacity of an existing building to change its purpose.

Structure

The facade remains as the only part of the old house, which was built by Johannes Kivimäe in the 1930s. Only the stone base is visible, the wooden structure above it has already fallen victim to the forces of nature.

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Ivy

Ivy. The facade is taken over by ivy. The ivy has already grown over the windows and the roof. The ivy has already grown over the roof and is now growing through the roof. The ivy has already grown over the roof and is now growing through the roof. The ivy has already grown over the roof and is now growing through the roof. The ivy has already grown over the roof and is now growing through the roof.

Here, the facade is almost completely taken over by the ivy. Besides the ivy, only the windows and the roof can be seen. The ivy has already grown over the roof and is now growing through the roof. The ivy has already grown over the roof and is now growing through the roof. The ivy has already grown over the roof and is now growing through the roof.

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The work is a documentary film that tracks and analyses a wooden house. There are two main sides to the work. While one of them is the house itself, the other is the people who live in it. The house is a wooden house, and the people who live in it are the people who live in the house. The house is a wooden house, and the people who live in it are the people who live in the house.