



EUROPAN 17 | RESPONSIBLE RECREATION | HELSINKI, FINLAND

OBJECTIVES

Throughout the proposal, work is done to identify the current problems and needs of the archipelago in order to find the appropriate solutions that promote the revitalization of the islands, always preserving their nature and cultural values and make them a point of interest for all living beings; the local population, the visitors and the flora and fauna that inhabit them.

CONCEPT

Only birds! In order to preserve the natural landscape and environment of the islands, the project proposal is focused on the idea of interfering as less as possible inside them. Use the intervention as an educative mean to show visitors that other ways of enjoying the natural environment with the minimum impact are possible.

For that purpose, the strategies to follow are as listed below.

STRATEGIES**- Minimal intervention** inside the islands.

- The target is to implement the required services either in the existing buildings and villas owned by the city, or in the versatile cabins, which will be mainly located in the landing spots.
- In order to prevent any damage on the landscape and environment, dry toilets and firewood cabins will be added inside the islands wherever is required.
- The modules are design to minimize foundations in case these need to be installed beyond the shoreline.
- Viewing platforms with spaces for tents will be elevated with very few points touching the ground. They will be made of a rebar mesh that lets the light go through, without interfering on the growth of small wild plants beneath the platforms.
- The recover and maintenance of existing paths will be a priority. Only where it is required, for accessibility purposes, to connect certain points inside the islands, wooden paths will be added.

- Minimal impact inside and outside the islands, using local and respectful materials and resources.

- All the equipment and services will prioritize the use of natural and local materials, minimizing the use of higher embodied energy materials for those instances where durability plays an important part in the adopted solution.
- Bioclimatic architecture solutions are taken into account in the design of the cabins. Solar protection, ventilated roof, rainwater collection system, installation of solar panels, etc.
- Promote recycling and composting, introducing waste point cabins in all landings. Always giving priority to the philosophy of taking the waste out of the island.

- Maximum focus on the landing area. *

- Enhance the experience of landing and arrival to the islands.
- Most services will be concentrated in this area, creating a small, liveable, floating town that can be changed and modify following the inhabitants and visitors' requirements.
- In order to minimize the impact on the seabed and to assume the big differences on the sea tide, both the cabins and the docks are proposed to be floatable elements, with very few fixed points to the bottom.

*Since the proposal is focused on the landing areas and the project sites will stay mainly intact, these will be shown in a 1:1000 scale instead of 1:3000 as it was suggested in the competition brief.



- Equipment and Services: **Flexibility, scalability, repeatability, adaptability and reversibility.**
 - The proposal is based on the development of a series of modular cabins. These modules are mainly thought to be moored next to the docks as floating elements, but they can also be installed on the ground within the shoreline, in case it is needed.
 - The programme requirements of the brief are met, but the versatility of the proposal allows to remove or introduce new elements as needed. Being also possible to introduce new typologies and uses in addition to the ones proposed.

- Accessibility.
 - Create additional accessible routes and connections between the main spots in the islands, minimizing the impact of these new elements on the landscape and nature.

- Sense of Helsinki.
 - The criteria proposed by the “Sense of Helsinki” are followed, to create uniform, timeless and high-quality solutions.

EQUIPMENT & SERVICES

- Docks, jetties and pontoons.

- Boat-traffic jetties & docks: For water buses and cruise boats. These will be fix and permanent elements.
- Day-trip pontoons: For small boats, including taxi boats. Modular and movable on demand.
- Swimming docks: Located next to public saunas and locker rooms. As well, modular and movable on demand.

- Existing buildings – Modular Cabins

- Existing buildings and villas.
 - o Whenever is possible and needed, the buildings and villas owned by the city, will be adapted to introduce new uses and services. For example, saunas, accommodation, cultural and multipurpose pavilions, etc.
- All new cabins are modular and can be connected to each other to create bigger elements as required.
- There are 3 different sizes of buildings, **S, M** and **L**.

- **S size - services cabin (10 m²)**
 - o Sauna
 - o Kiosk
 - o Dry toilet & shower
 - o Firewood storage
 - o Water supply point
 - o Waste point

- **M size - services cabin (42 m²)**
 - o Accommodation
 - o Café
 - o Multipurpose Pavilion
 - o Info point
 - o Cooking shelter
 - o Locker room
 - o Electricity supply

- **L size - services cabin (150 m²)**
 - o Accommodation
 - o Sauna



- Campfire activities

- In those islands where there are no cooking shelters new ones will be added in the landing areas. In the existing ones wherever there is no space to store wood, a firewood storage cabin will be incorporated in the vicinity.
- Viewing platforms + space for a tent.
Different platforms will be incorporated with different purposes. As landscape viewing platforms or as platforms to watch birds and bats. Most of them will include a space for a tent to spare the forest floor. In order to let the light go through the platform, these will be made of a rebar mesh. In addition, in those locations where is required, small cabins with dry toilet + shower facilities, firewood storage and bird/bat hides will be placed.

- Auxiliary facilities

- Due to the lack of a proper sewage management in most islands, dry accessible toilets will be incorporated in all landing areas and other specific spots in the island wherever there are considered to be needed.
- Recycling and waste containers, will not be built on the islands, but waste point cabins will be placed on all the landing areas. However, visitors will be encouraged to take the litter with them.

- Equipment to routes and trails.

- New paths will be rarely added. The main idea is to restore and improve the existing ones, incorporating accessibility and flow control solutions wherever is required.
 - o Accessible wooden routes, limited strictly to the main connection routes in order to avoid a big impact on the surroundings.
 - o Flow control routes. Rebar elements to be used as signage elements and permeable limit lines to inform and encourage visitors to stick to the designated paths in order to preserve nature or privacy of the island inhabitants.
- Benches and other resting places and picnic tables to be added mainly in landing spots and other places as required.

CONSTRUCTIVE PROPOSAL

- The proposed constructive system, according to the project strategy, intends to give an answer to the following criteria: An easy and fast dry construction method. Economically competitive, scalable, repeatable, reversible, flexible and adaptable to the different uses established in the brief. Using natural and local materials and above all with the less possible impact in the natural surroundings and the environment.
- The first challenge is to ensure the stability of the different docks and cabins on big scale industrial floats. For that purpose, a local pine light timber frame with the right weight, neither too heavy nor too light, is proposed.
- All the joins will be done with hidden iron fittings, fixed with non-welded stainless-steel screws. The indoors comfort is achieved with the installation of a continuous wood fibre panels insulation through all walls and ceilings, between the gaps left by the light timber framing system.
- The cabins are covered with a natural zinc roof, with a double lock standing seam, ensuring a weather - tight solution.
- Finally, a high efficiency solar panel power system is integrated on the roof to provide the energy supply to the whole system, in a clean and a respectful way.



+ PIKKU NIINIARI.

Existing equipment and services.

- Currently there are no services or equipment in the project or reflection sites of the island.

Equipment and services to be added in existing buildings and villas.

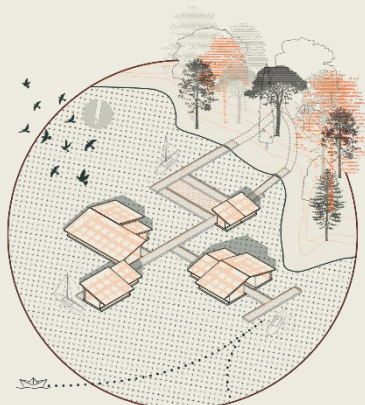
- No equipment or services are considered to be added in the existing buildings in this island.

Equipment and services to be added in the island.

- Viewing platforms with space for a tent.
- Bird viewing platform and hide.
- Dry toilet and shower facilities.
- Flow control solutions around the natural areas to be protected.
- Canoeing landing area.

“Suggested” equipment, services, docks and pontoons to be placed in the landing area.

- Bus boat dock, day trip pontoon & swimming dock.
- Café / Info point / Kiosk / Sauna / Locker room / Firewood storage / Dry toilet & shower / Water supply point / Electricity point / Waste point.



Landing Pikku Niinisaari



Landing Malkasaari

+ MALKASAARI.

Existing equipment and services.

- Sauna (24 m²). Firewood storage cabin to be installed in the vicinity.
- Barbeque area (84 m²).
- Day trip pontoon.

Equipment and services to be added in existing buildings and villas.

- Existing villa to be converted into a multipurpose pavilion (69 m²).

Equipment and services to be added in the island.

- Viewing platforms with space for a tent.
- Dry toilet and shower facilities.
- Flow control solutions around the natural areas to be protected.
- Accessible paths to be incorporated to connect the main services within the island.
- Canoeing landing area.

“Suggested” equipment, services, docks and pontoons to be placed in the landing area.

- Bus boat dock, day trip pontoon & swimming dock.
- Café / Info point / Kiosk / Sauna / Locker room / Firewood storage / Dry toilet & shower / Water supply point / Electricity point / Waste point.



+ VARTIOSAARI.

Existing equipment and services.

- Forest church.
- Cafes and restaurants.
- Public toilets.
- Day trip pontoons.
- Allotments
- Accessible paths.

Equipment and services to be added in existing buildings and villas.

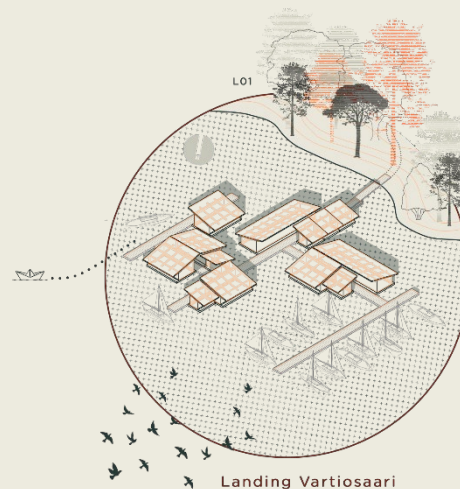
- Existing building to be converted into a hotel (132 m²).
- Existing building to be converted into a sauna (25 m²).
- Existing building to be converted into an info point (59 m²).
- Existing villa (Sunnanvik) to be converted into an accommodation building (251 m²).

Equipment and services to be added in the island.

- Viewing platforms with space for a tent.
- Bird / bat viewing platforms and hides.
- Dry toilet and shower facilities.
- Canoeing landing areas.

“Suggested” equipment, services, docks and pontoons to be placed in the landing area.

- Bus boat dock, mooring dock, day trip pontoon & swimming dock.
- Café / Info point / Kiosk / Sauna / Locker room / Firewood storage / Multipurpose Pavilion / Accommodation / Cooking shelter / Dry toilet & shower / Water supply point / Electricity point / Waste point.



+ KOTILUOTO.

Existing equipment and services.

- Barbeque shelter (84 m²).
- Sauna (42 m²).
- Swimming dock.
- Bus boat dock.
- Public toilet.

Equipment and services to be added in existing buildings and villas.

- Existing villa to be converted into a multipurpose pavilion (200 m²).

Equipment and services to be added in the island.

- Viewing platforms with space for a tent.
- Dry toilet and shower facilities.
- Flow control solutions around the natural areas to be protected.
- Accessible paths to be incorporated to connect the main services within the island.
- Canoeing landing areas.

“Suggested” equipment, services, docks and pontoons to be placed in the landing area.

- Bus boat dock, day trip pontoon & swimming dock.
- Café / Info point / Kiosk / Sauna / Locker room / Firewood storage / Dry toilet & shower / Water supply point / Electricity point / Waste point.



+ VILLINKI.

Existing equipment and services.

- Cafes and restaurants.

Equipment and services to be added in existing buildings and villas.

- Existing building to be converted into a cultural pavilion (180 m²).
- Existing building to be converted into a sauna (150 m²).
- Existing building to be converted into a kiosk (30 m²).

Equipment and services to be added in the island.

- Viewing platforms with space for a tent.
- Bird / bat viewing platforms and hides.
- Dry toilet and shower facilities.
- Accessible paths to be incorporated to connect the main services within the island.
- Canoeing landing areas.

“Suggested” equipment, services, docks and pontoons to be placed in the landing area.

- Bus boat dock, mooring dock, day trip pontoon & swimming dock.
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