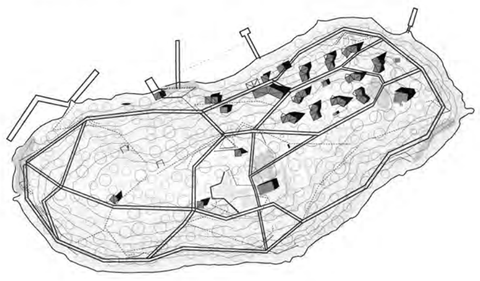
MC800

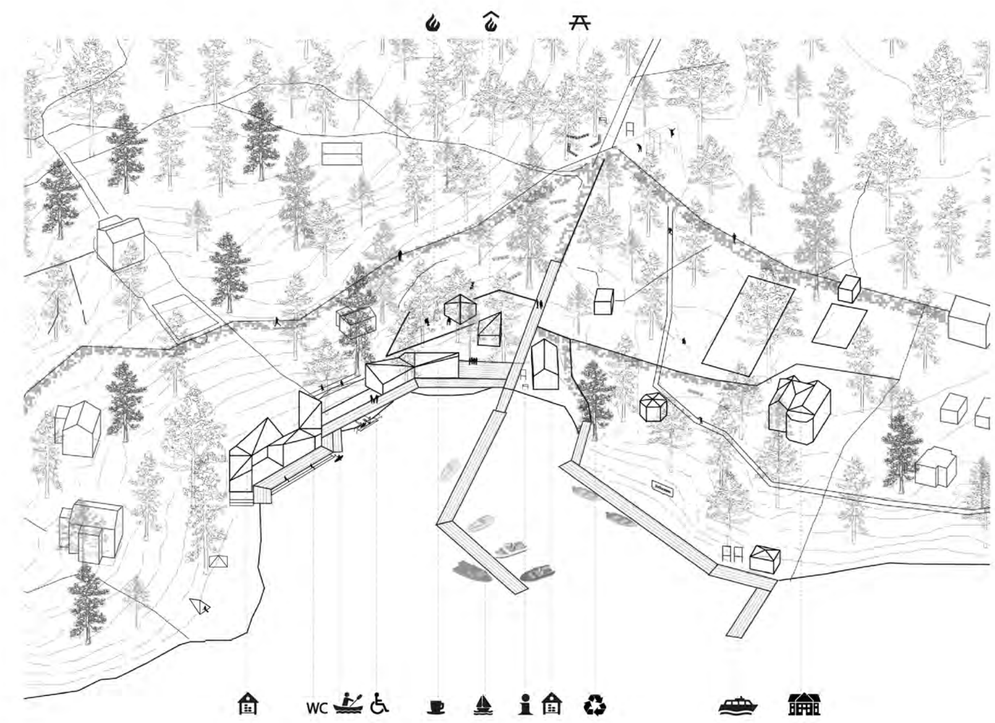
Helsinki (FI) HYPERCONNECTIONS

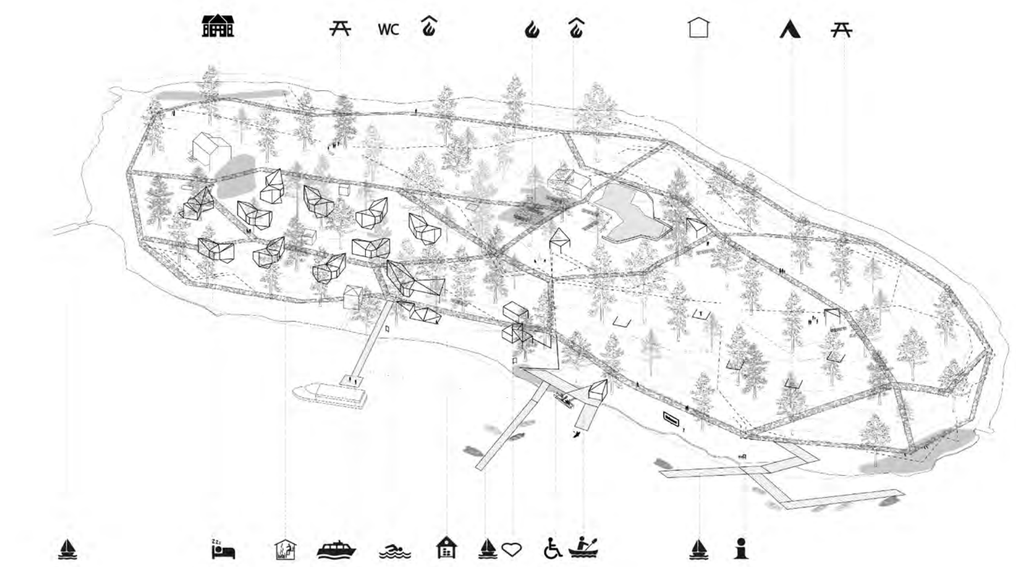
MALKASAARI

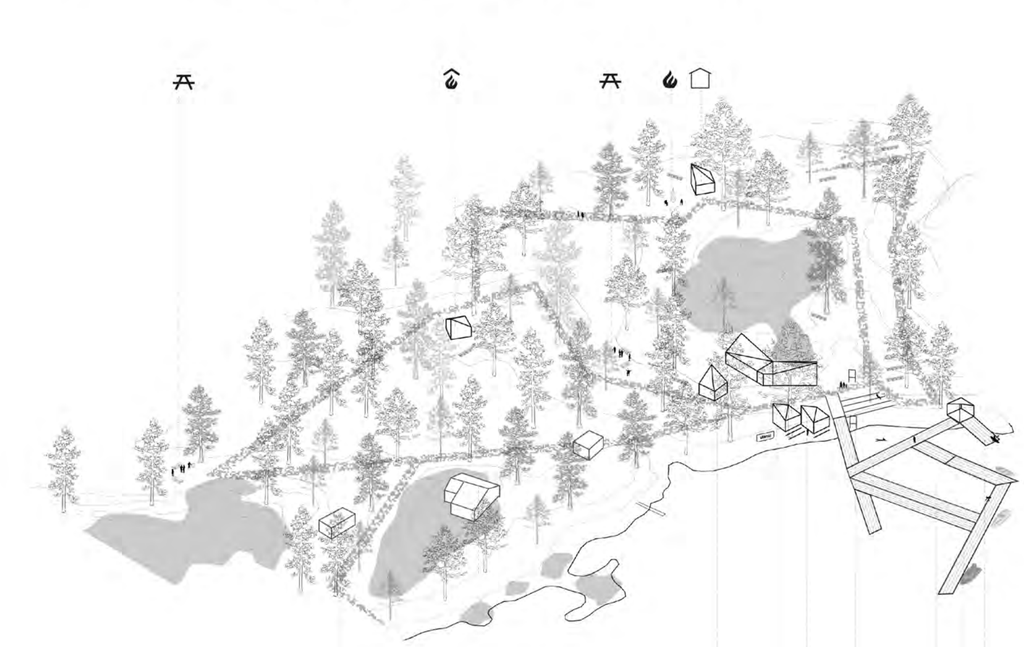
PREEXISTING/ BASE STRUCTURE



1:3000
10 50 100

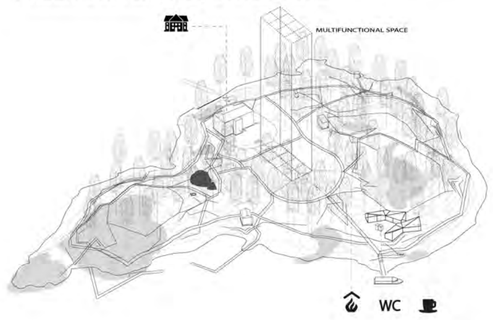


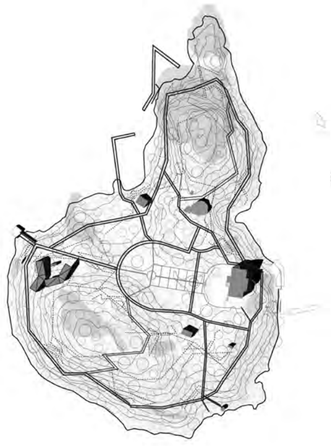




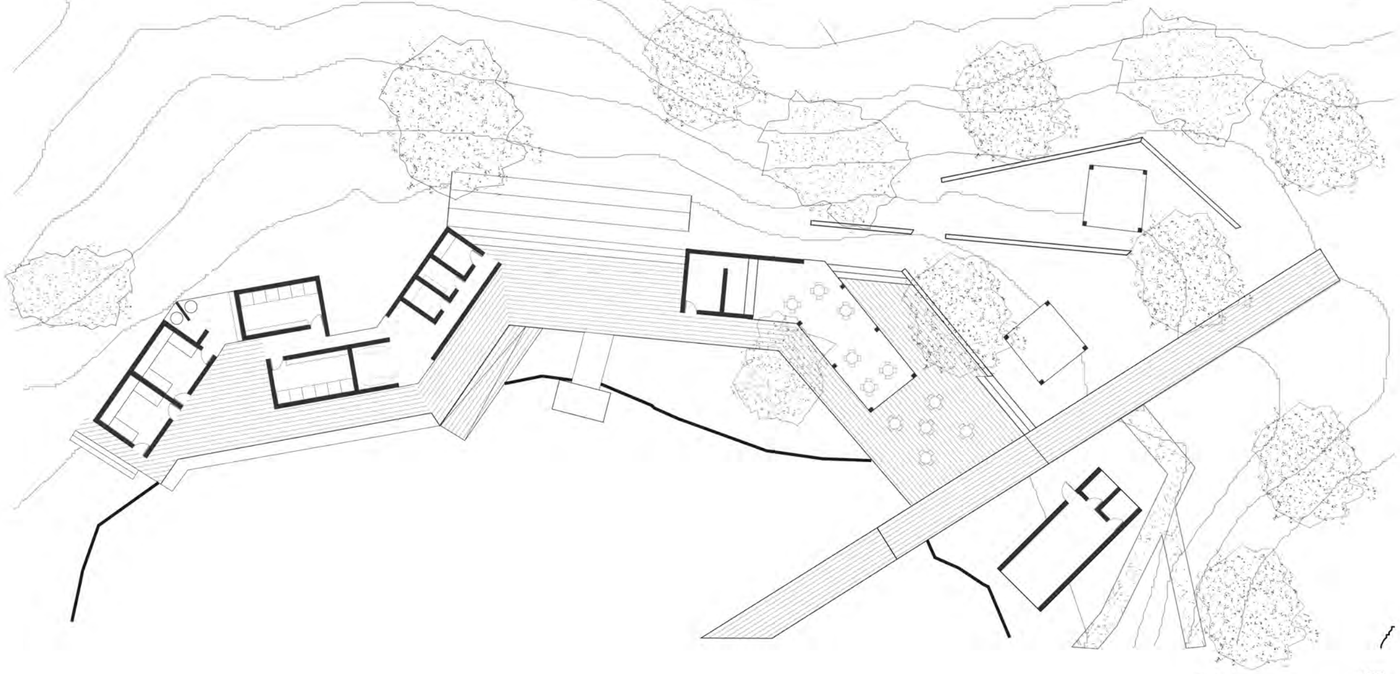
KOTILUOTO

PREEXISTING/ BASE STRUCTURE

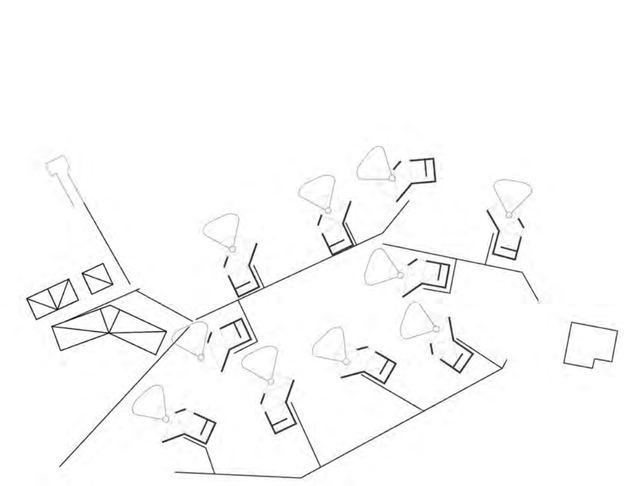


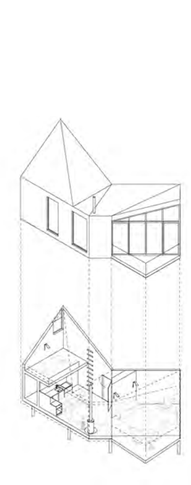


1:3000
10 50 100



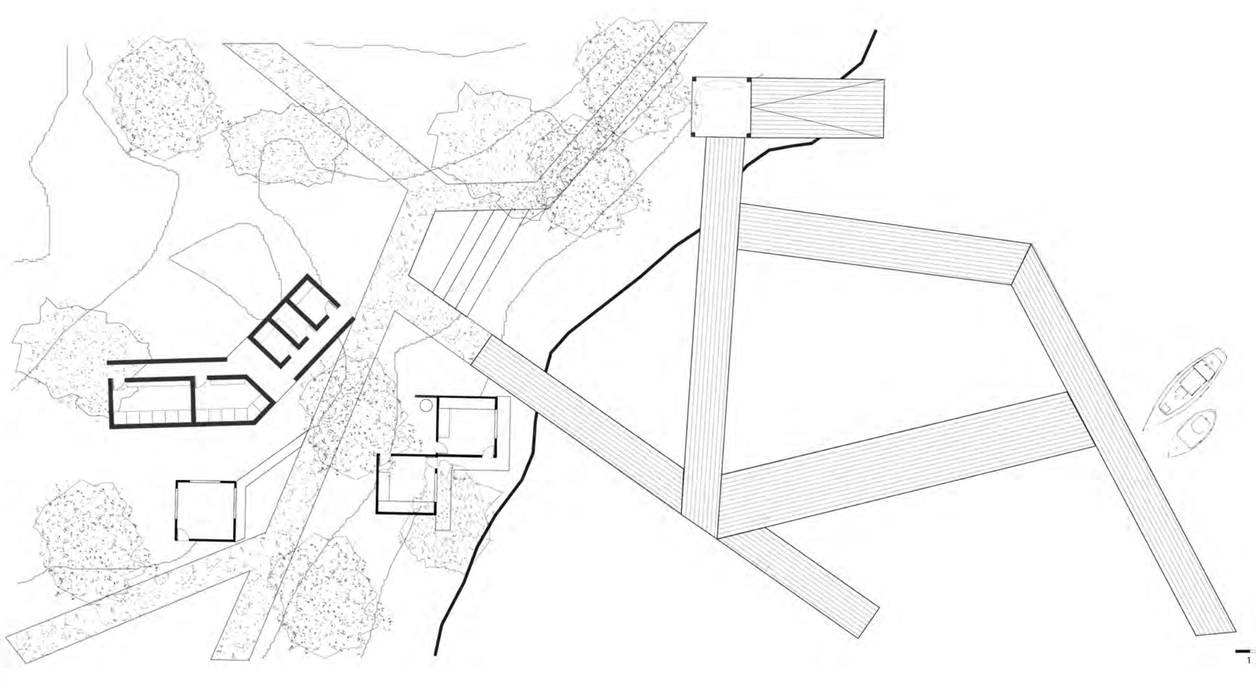
1:300
1 5 10





A versatile and independent unit is proposed, for a maximum of 4 inhabitants, a total of 10 modules that are complemented by the services of the village and a new auxiliary building to meet the needs of the temporary inhabitants.

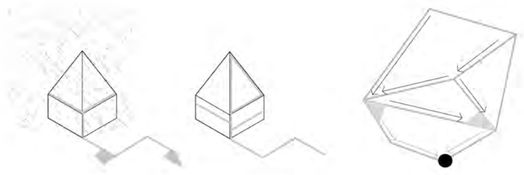
1:300
1 5 10



1:300
1 5 10

We can take advantage of the path structure to collect rainwater, the buildings to produce energy, and the vegetation to generate compost material. For the small scale, as in the case of Malkasaari where an autonomous energy and waste system is proposed, the intervention must be able to produce the necessary resources to be self-sufficient.

In addition to harnessing the grid for energy infrastructure, the information concerning and the archipelago will be synchronised with the digital network.

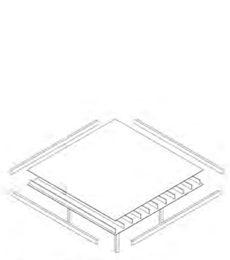


Basic services

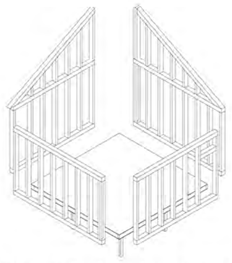
PICNIC
COOKING SHELTERS
FIREPLACES
WC HUSSI
WC TOILET
DAY-TRIP PONTOONS
SIGNAGE
FIREWOOD STORAGE
SAUNA
LANDING CANOEISTS AND ROWERS
CAFE
SWIMMING
CAMPING
ACCOMODATION
BOAT SERVICE
SHELTERS
NEW USE FOR THE VILLA
RECYCLING AND WASTE
ADAPTED ACCESS

The constructive logic is to wrap the spatial module, a lightweight system is sought and with a material with low energy consumption in all processes associated with the production of the building, wood as the basic material where the same LVL material is used as a lightweight linear element to build the panels or modular pieces, at the same time it is used to brace the vertical interior faces and covers to stabilize the structure against horizontal thrusts, cutting and numerical control systems allow a high degree of precision and prefabrication of both the elements of structure and cladding. Wood is a versatile, renewable and sustainable raw material that not only retains carbon, but also reduces the ecological footprint in relation to other solutions, of great durability with proper treatment and maintenance, the LVL provides an excellent relationship between strength and lightness in addition to magnificent thermal, acoustic, tactile and environmental qualities, LVL panels have the advantages of prefabricated construction, are lightweight products easily transportable from the workshop, simple and precise assembly, are built dry and allow an economy of means costs and execution times.

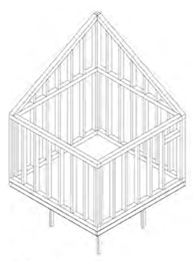
Rigid base, the foundation must leave a minimum print



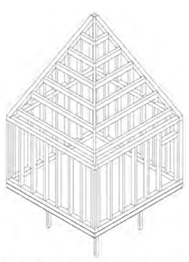
Elevated platform



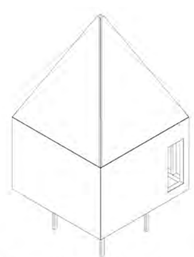
The vertical walls can be factory-assembled



Bolted joints



Only the parts of the cover would vary depending on whether it is concave or covex



Filters vary depending on the needs for privacy, comfort, views, etc.