

# Hjertelia (NO)



## 🌲🌲🌲 født i skogen

I am born in a forest! A vision of a CO2-neutral village in the woods.

As a rule, forests are cut down when new areas are designated for housing, which leads to urban sprawl and environmental degradation. The habitat of animals is restricted, biotopes are destroyed and forests, that are important for the climate, are lost. Typically, building means man against animal. We want to change that and propose a rethink of the relationship between humans and animals. Our project concerns solidarity with animals in human spaces and proposes a new way of cohabitation. Animals and plants get the ground floor space and humans move up one level.

Single family houses consume a lot of space, building materials and energy, they cause urban sprawl and thus even more traffic and expensive infrastructure, thereby destroying even more biodiversity. A Norwegian citizen produces about 8-9 tons of carbon dioxide per year. Our aim is to design a settlement where you live carbon dioxide free, where:

- ▲ ecological timber construction binds carbon dioxide -1.5t
- ▲ shared mobility concept reduces carbon dioxide by 2.5t
- ▲ ecological food production (no monoculture!) -0.5t
- ▲ rainwater is used as water supply -0.5t
- ▲ energy consumption is reduced by sustainable energy concepts (one heated room) -1t
- ▲ materialism is discouraged through sharing economies (e.g. forest library, forest playroom) -1t
- ▲ restoration by planting trees through the houses -0.5t
- ▲ a new mentality of ecology is taught in the play school -1.5t

Of course, living in the city in multi-story buildings can be a sustainable solution, but the dream of living in nature, the dream of your own four walls, the dream of independence and the dream of adventure is very present in Norwegian culture. The desire of living in a detached house is part of the Norwegian dream, and more than 60% of the Norwegians live in one. The problem: These detached houses don't deliver their inhabitants' desires.

- ▲ instead of living „in nature“, you live next to other ugly detached houses with outlived gardens that have nothing to do with real nature.
- ▲ instead of neighborly exchange and community, you get annoyed about the lawnmower on Saturday mornings.
- ▲ instead of a happy family life, you split up and suddenly sit alone in a house that is far too big and far too expensive.

▲ instead of isolated living, the house forms a community with a high grade of identification

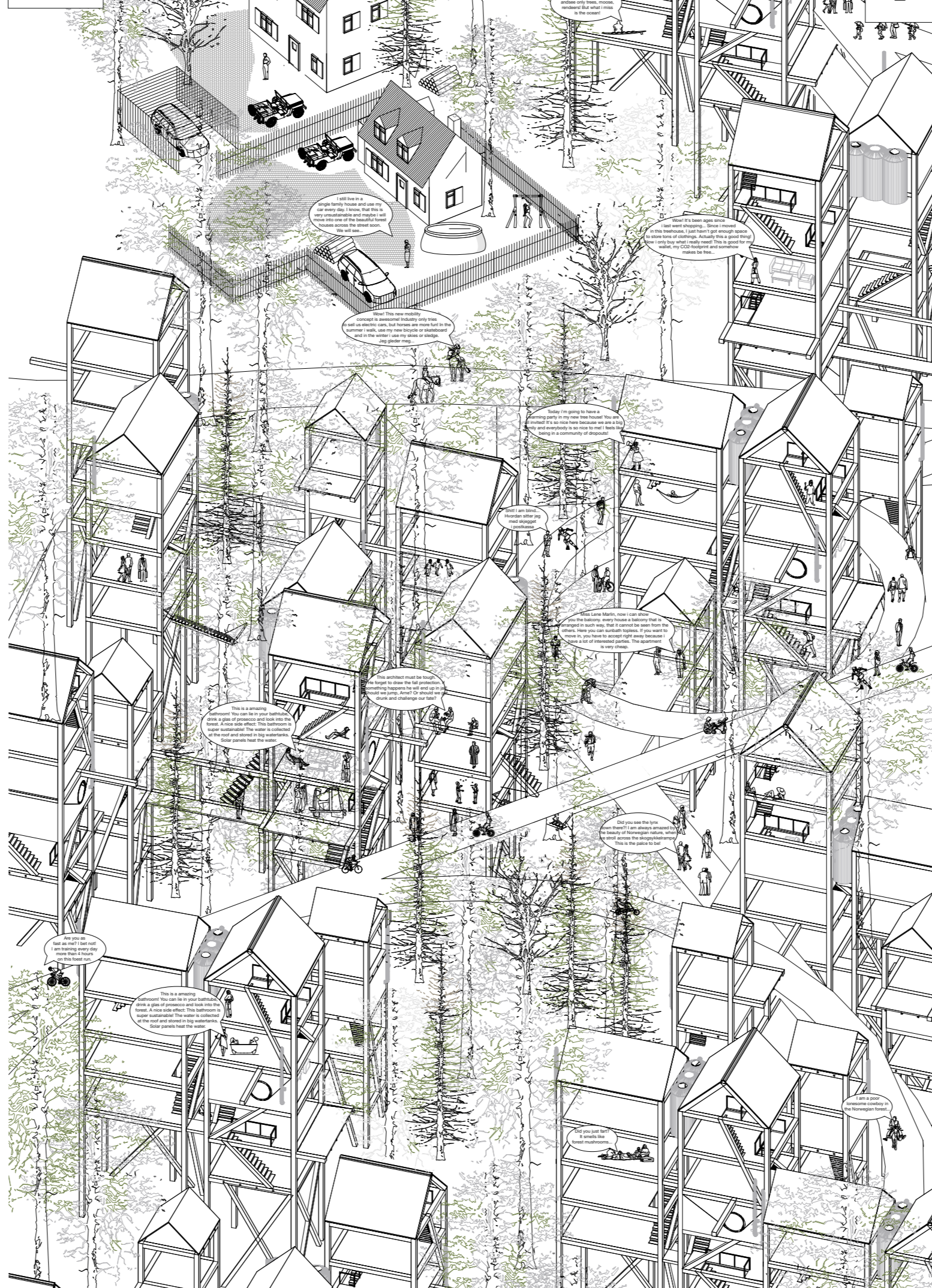
So we asked ourselves, how can we combine the dream of living in nature in your own house, on the one hand, and sustainability and community on the other. The question is, how does the single-family home really become what we are seeking? And here is the answer...

- ▲ instead of clearing forests and destroying nature, the new housing typology will produce a new natural environment. New trees are planted to help protect the climate.
- ▲ Of course, restoration of forests is not the biggest issue in Norway, but the new settlement should be a prototype and inspire communities in other countries!
- ▲ instead of carefully styled front gardens, you now really live in nature.
- ▲ instead of a solution that is entirely geared towards car traffic, we propose an innovative mobility concept that is designed as a combination of bicycles, electric vehicles, public transport and especially sharing concepts. The final route to your home is only accessible by bike and on foot.
- ▲ instead of living in isolation, there is a distinct community based on sharing and help.
- ▲ instead of social segregation, the design of the different types of houses seek social mixity, integration and inclusiveness.

Come on and let's go into the forest and collect mushrooms!

1

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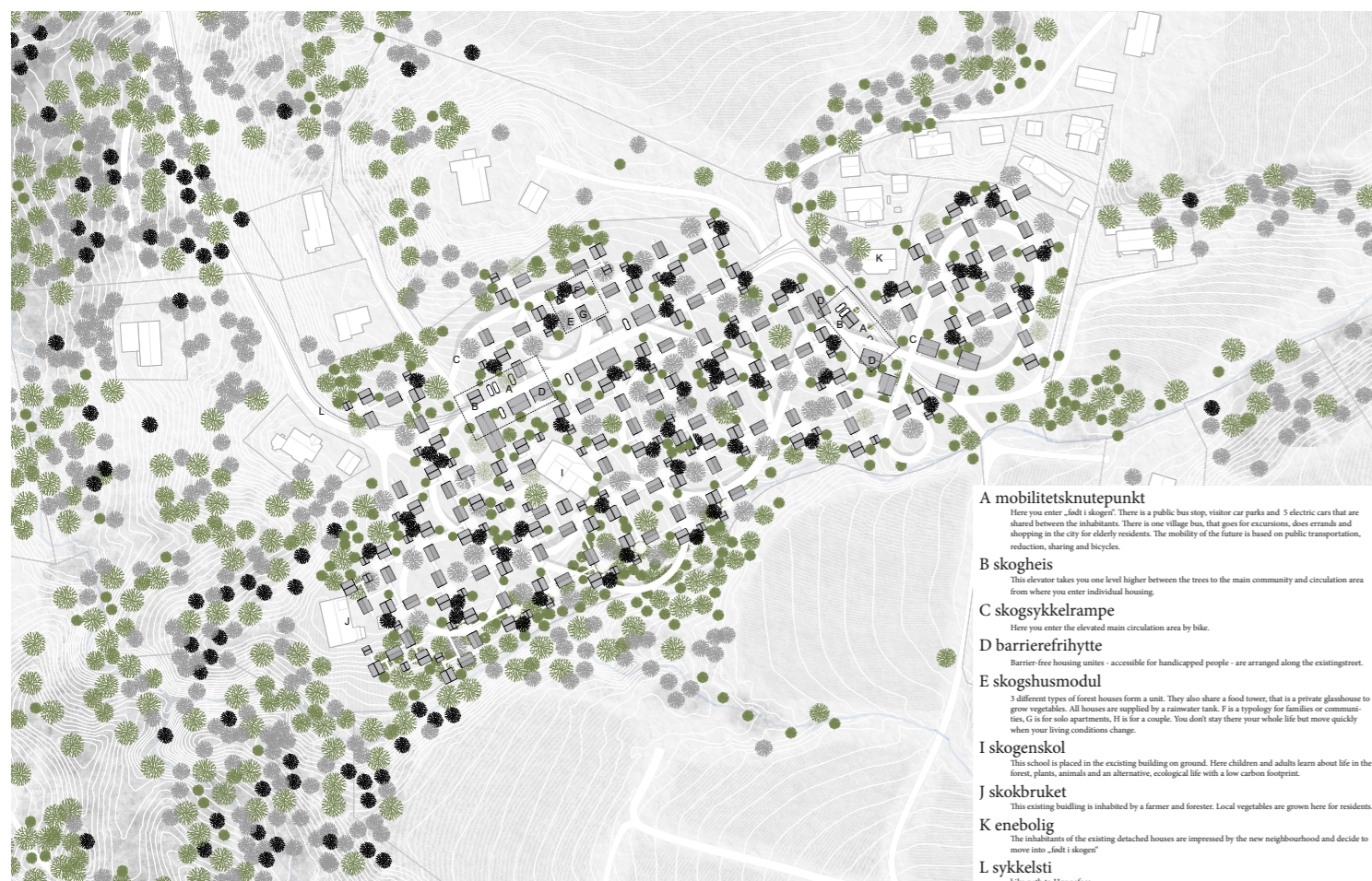
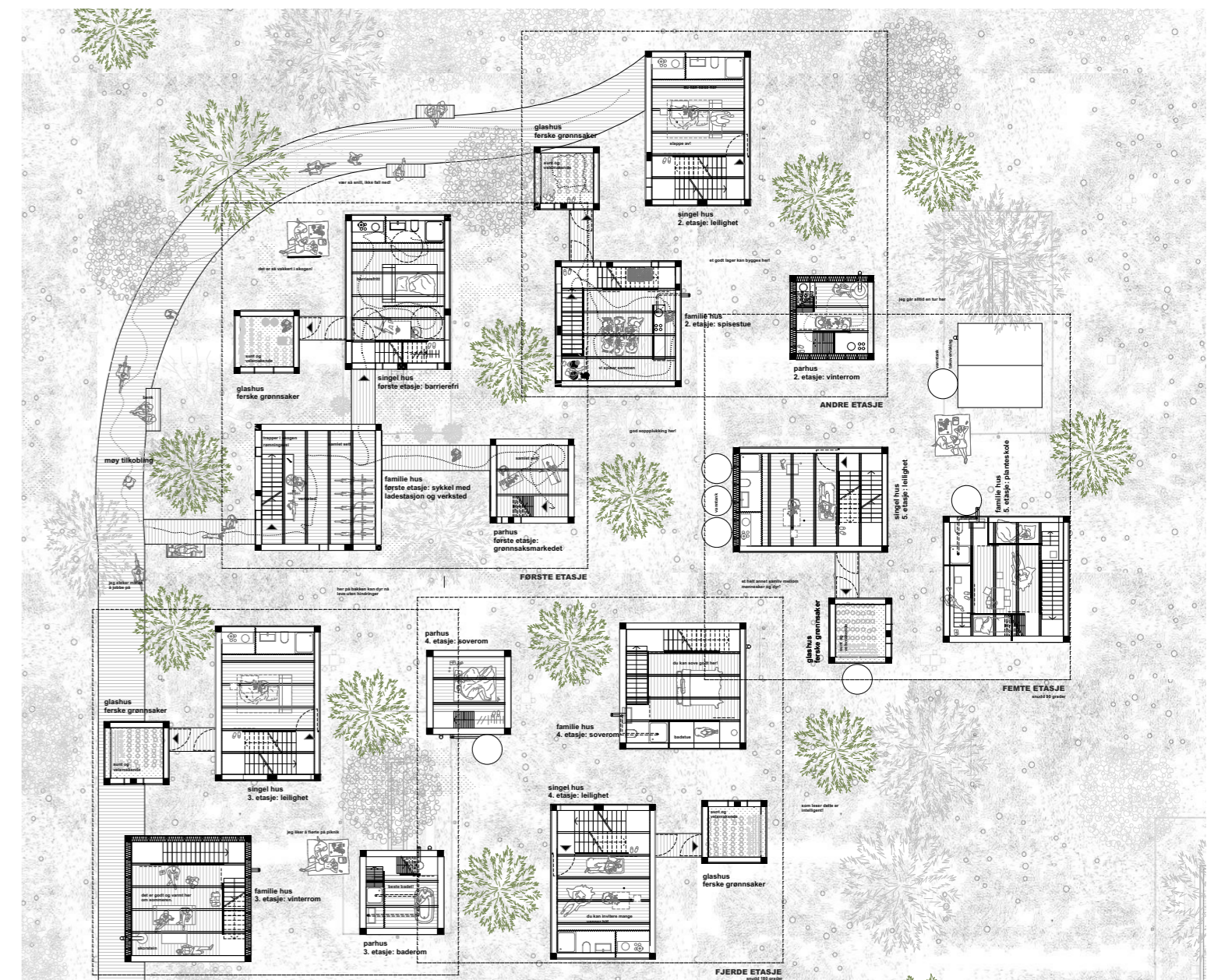


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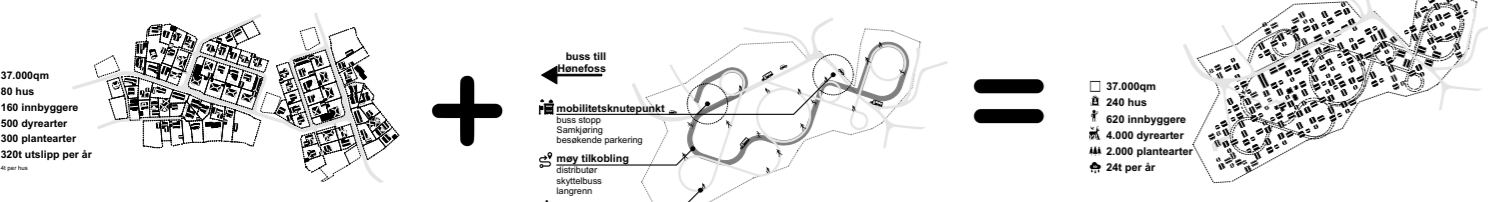
# Hjertelia (NO)



3



- A mobilitetsknutepunkt**  
Here you meet „Ach! ahne!“ There is a public bus stop, visitor car parks and 3 electric cars that are shared between the inhabitants. There is one village bus, that goes for excursions, does errands and shopping in the city for elderly residents. The mobility of the future is based on public transportation, reduction, sharing and bicycles.
- B skogsheis**  
This elevator takes you one level higher between the trees to the main community and circulation area from where you enter individual housing.
- C skogssykelrampe**  
Here you enter the elevated main circulation area by bike.
- D barrierfri rhytte**  
Barrier-free housing units - accessible for handicapped people - are arranged along the existing street.
- E skogshusmodul**  
3 different types of forest houses form a unit. They also share a food tower, that is a private glasshouse to grow vegetables. All houses are supplied by a common tank. It is a typology for families or communities. G is for solo apartments, H is for a couple. You don't see there your whole life but move quickly when your living conditions change.
- I skogenskol**  
This school is placed in the existing building on ground. Here children and adults learn about life in the forest, plants, animals and an alternative, ecological life with a low carbon footprint.
- J skokbruket**  
The existing building is inhabited by a farmer and forester. Local vegetables are grown here for residents.
- K e Neubolig**  
The inhabitants of the existing detached houses are impressed by the new neighbourhood and decide to move into „Ach! ahne!“
- L sykkelsti**  
bike path to Hønefoss



Section of all floors 1:100

SECTION 1:100

MODEL 1:50