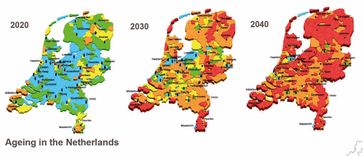
Stilll Growing / LOCATION

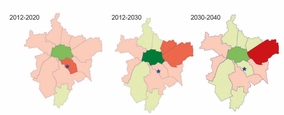
aging in the Netherlands
The Netherlands is facing a shift in its demography. The percentage and number of people over the age of 60 is growing rapidly. The aging ratio in the municipalities between the cities of Groningen and Assen is one of the highest in the Netherlands. The aging population creates a strong individual demand for care associated with independent living.



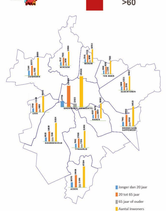
Ageing in the Netherlands

Region

Groningen Assen
Previous research showed that Haren is an interesting village regarding the problems in the current elderly housing. It is one of two municipalities within the region with the highest aging ratio. Haren is located against Groningen, so the facilities of Groningen are within reach via public transportation, car or bicycle. Haren also lies direct against T axis of Groningen - Assen so it has a direct connection with the main infrastructure (figure 4.1). Haren is a paradise for people who want the benefits of a city but not the burden.



Population growth Groningen - Assen


Demographics Groningen-Assen

Region Groningen-Assen

Citty

Landscape Haren

Facilities Haren

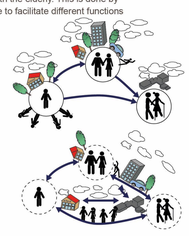
Location

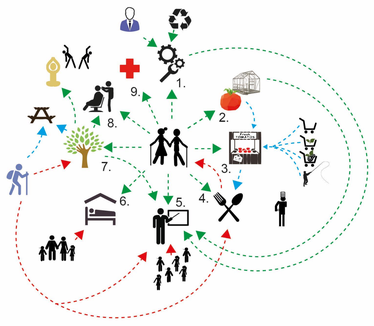
Haren
The Village of Haren is almost entirely surrounded by landscape. It has hard boundaries with this landscape. On some a few locations Haren gets perforated and the landscape enters Haren. These locations are scarce and small. Haren is filled with entrepreneurs that work at home. The amount of entrepreneurs that work in mental coaching, service, and beauty hairdressers is remarkable.

Erasmusheem
The erasmusheem (now called the Sassenstate) is a elderly home that is closed becouse it is not suited for current standards.
Erasmusheem is located directly against park Sassenhein with is a natural park thas is owned by the fishing club of Haren and staatsbosbeheer. There are hard borders between the Park and Haren. So the park is hard to reach from Haren. Allong this borders runs the Pieterpad. Witch is a well known walking route. The park is connected with the Drentsche Aa. The district surrounding the Erasmusheem is mainly built with dwellings. There are few facilities in the neighbourhood. There are many home businesses (Figure 4.5). The district has two types of dwellings: town-houses (€ 220.000,-) and homes in the expensive segment (+ € 350.000,-). Striking is the low amount of public green. The district has a lot of vegetation, but on private areas. The reason for this is that the homes in the expensive segment have large lots averaging 1000 m².

concept

Connection
Ageing has economic and social consequences. In this project these consequences are used to create a new environment. An environment in with the building and its inhabitants create new connections. The building is connected with nature and vice versa. Like the apartments and the objects in and around the building. In the social context, the elderly are connected with society and the society is connected with the elderly. This is done by creating a dynamic environment that is able to facilitate different functions and is a place where people can meet.





Still Growing

INTRO

Sustainable environment
This project is all about creating a new environment in witch society can become more sustainable in the way it uses the knowledge and skills of the elderly. In this project, sustainability is seen as the way we use and dispose existing knowledge, labour and products. The current way we use the skills and knowledge of the elderly can be seen as archiving, do the necessary maintenance and wait till it disappears. The elderly Stilll have social purpose witch is most of the time a one way dialogue with family and friends. In this project, the way society uses the skills and knowledge of the elderly will be used to create a dynamic environment. Using the skills and knowledge of the elderly is not only productive and saves money but also serves as social glue and gives new purpose to the elderly. ate, learn, and recreate together.
The new generation of elderly wants to be more socially involved. Therefore, the new generation of elderly will be essential in society.

Social involvement
Many elderly homes are located on the outskirts of a town or village and are placed in quiet neighbourhoods with few amenities. The Erasmusheem is no exception. If the elderly become active in the neighbourhood, the complex will become the heartbeat of the district where all residents can make use of the various facilities (figure 3.3). This way the knowledge and skills of the elderly connects Erasmusheem to its surrounding social environment. And creates possibilities for people to meet, cooperate, learn, and recreate together.
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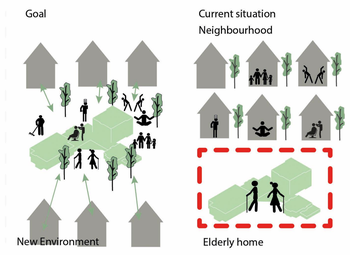
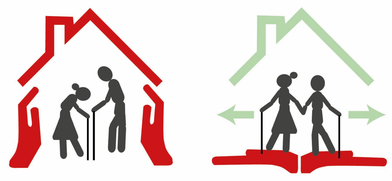




Stilll Growing / Program

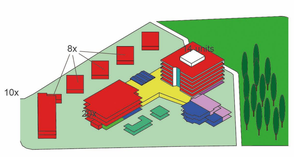
The park and public areas are connecting al the functions within Erasmusheem. A unifying theme runs in these area's. The public areas function, look and feel like the park. They have soft but also clear boundaries separating them with the park. The green theme of the park is also present in the public area's. The park and public area's generate a informal feeling. Both the Park and public area's are not only used for traffic but can host a variety of activities like: Urban farming, education, relaxation, sport of as a meeting place.

The main route is connecting the landscape and Haren. It also generates a junction with "het Pieterpad" and functions as a addition of "het Pieterpad". The main route lets visetours of het Peterpad become visitors of Erasmusheem that can use al the facilitys Erasmusheem has.

On the ground floor the forum is the main area to meet, eat, share and educate. It looks out over the landscape and is transparent in every direction. The bed and breakfast is located on the other side of the main route. This function is close to the forum so service can be delivered from the forum. The bed and breakfast, hotel and botel are located at the west side of the plot. On this side the park has a intimate character. The offices are located towards the park-ing lots so they are accessible for visitors.

The first facilities at the side of Haren is the market, supermarket and small post office. These functions are necessary for daily use of the inhabitants of the district. The market is placed in light transparent pavilions and is also an appealing function to look at when entering the plot. It is transparent and blends in with the green environment. At the same time it defines a positive space and visually strengthens the direction of the main route.

Almost all apartments within the plot have a layout suitable for the current standard of living. The exception in Erasmusheem are the apartments in the main building. These apartments have a floorspace of 28m². These small apartments are made bigger by adding new floors on the outside. These floors make it possible to link apartments and make them flexible. So multiple apartments can be used to make one large apartment. This construction also make it possible to deicide how to interact with your neighbours. A wall can separate apartments, or when there is no wall rooms can be shared.



market and supermarket

Forum education

Office

Hotel and B&B

Living
Office
Hotel
Public function
Supermarket
Market
Bed & Breakfast
Park

Program

Living:
5 stories of 14 flexible housing units — Unit area 28m²
8x Semi-detached house: — Unit area 68m²
10x apartment — Unit area 60m²
20x apartment — Unit area 75m²

Office: 310m² Flexible workspaces +/- 10 flexible units
130m² workspace buurtzorg

Supermarket: 130m² supermarket — 30m² Pickup point

Market: 2 market buildings for selling local products

Bed & Breakfast: 4 rooms Unit area 22m²+14m² semi public space

Hotel: 7 rooms — Unit area 24m²

Public functions:
Forum, Hairdresser, education and production.

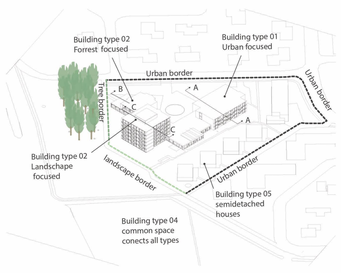
Still growing / CONNECTION

Most senior housing are filled with paving witch generate a sense of protection and care but also make the environment static and exanimate the way elderly are living. The image that the architecture should generate is one of life rather than concern.

Street view City side.
Instead of looking at a brick building the ersmusheem will be integrated in its green environment. The view from the streets is showing the start of the market and is accessible from the district.

Street view landscape side
The transformation of the building is also visible from the landscape side. The entrance is of the building clearly visible and is part of the main routing from the landscape to the district trough the building and plot.

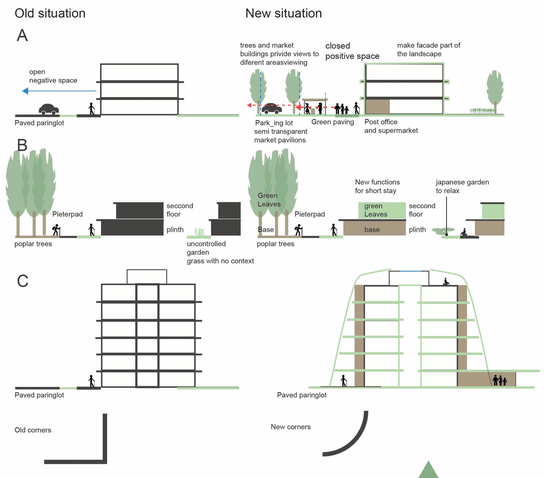
Park-ing lot
The trees located at the border of this route define different views that look out over special areas. The stone paved parking-lot is transformed into a grass plane. The grass is reinforced by a grass reinforcement system.

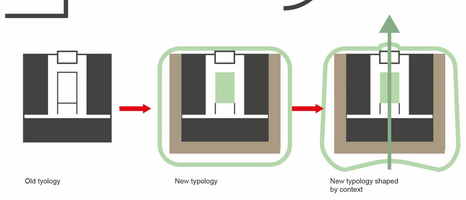


The existing plot is arringed with 4 different typologies:
01 Urban focused
02 Forrest focused
03 Landscape focused
04 Semi-detached houses

Old situation

New situation



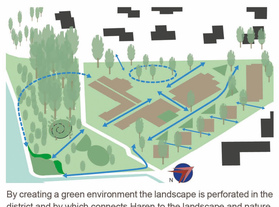


Floor scheme of main building

Connect landscape

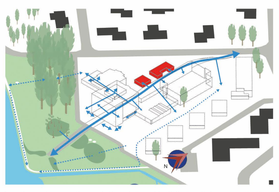
Because most of the district areas are private, park Sassenhein is the only public area in for recreation. The hard borders of Haren make it hard to reach the park. This generates a opportunity to use the plot of Erasmusheem to create a gateway towards Sassenhein.

Create park



By creating a green environment the landscape is perforated in the district and by which connects Haren to the landscape and nature. The environment in this project is a green environment like a park. Parks are dynamic, generate a sense of freedom and give room for wildlife. The plants make noise, filter the air and are constantly changing form. The trees in the park generate views and define spaces in contrast to the old paved surroundings.

create strip

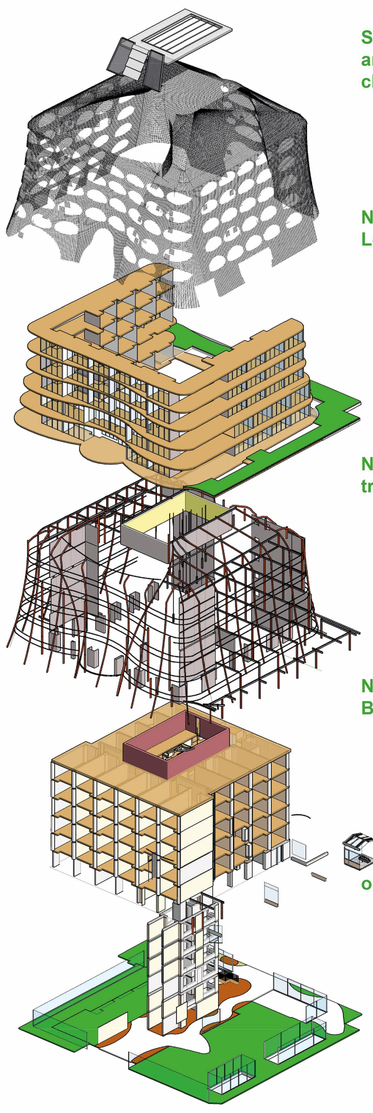


A main route runs through the plot and building, witch connects the district to the landscape and the different functions. This way the new functions can serve the district and the landscape is connected to the district. The market is placed directly at the main route so a positive space is created.

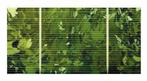
add new functions

By placing different facilities in this area a new social environment is created. These facilities combined and connected to the park create a dynamic work and recreational environment. The park is a ideal for thinking, recreation or resting. It is a place to socialise and meet new people. Witch make it ideal for small companies and restaurants. New collaboration can occur in a park when different people meet each other.

Still growing / Applied systems



Solar panel and Sun chimney


green solar pannels combined with black glass solar chimney

New Skin Leaves

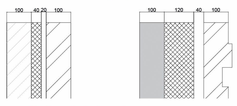
steel nets attached to the new steel construction provide living surface for ivy

New Floors tree trunk

Pinewood solid floor lignarur element

New Structure Bark & Twines

Hollow brick replaces old bricks
Old cavity of existing structure was to narrow for sufficient insu-lation. Hollow bricks with holes provide livving space for insects.

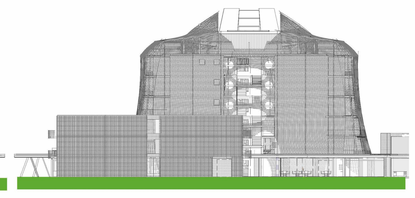


old construction
Hollow brick replaces old bricks
Old cavity of existing structure was to narrow for sufficient insu-lation. Hollow bricks with holes provide livving space for insects.

Plants in core Natural filter

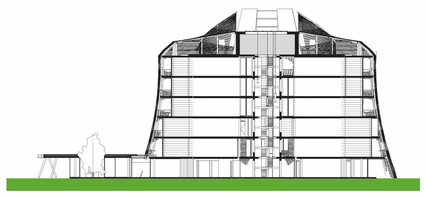
Still growing / Elevations

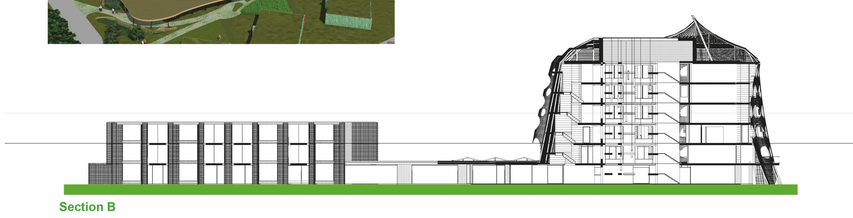
South elevation


North elevation

East elevation

West elevation


section A


Section B

Still growing / Architecture

Park-ing lot (City side)

street view existing (City side)

street view existing (landscape side)

Park-ing lot (City side)

street view new (City side)

street view new (landscape side)

The image that the architecture creates is one of a green living environment. An environment where nature, society, old and new are connected. Every part of the complex and its environment is part of the big picture.

On the ground floor there are multiple entrances wit Long cantilever these protects people when they go from the inside to the outside of the building. The cantilevers make the boundary between the out- and inside soft. From the outside to the inside is a clearly visible entrance. Hereby there is a soft separation from private to public, and vice versa;

The long cantilevers at the entrances have a parapet that continues around the building. The paparet defines the border of the building. The walls under the cantilever can be transparent or filled with green plants witch go up to the roof.

The transparent facades show the interior of the building making the interior connect with the exterior. At the greenhouse the transparent facade is used for urban farming.

The main route and other floors on the ground floor are green and represent grass. The main route is made out of concrete mixed with green glass. The concrete is used instead of grass because the these paths are going to be used by elderly and should be good to ride with a wheelchair or rolator. This intervention is the only investment in technical care. The rest of the plot will be covered with grass and the interior witch artificial turf.

The facades are going to be covered by ivy. The ivy covers the building so nature can manifest itself on the building. This way the border between nature and culture gets softer and the building an nature are connected. The ivy has openings that act as windows. These openings can be cut by the user. This reflects the dynamics of the surroundings.

The low-rise part of the building is perforated. This is done so the green facade can grow in solid ground and connects the facade to the inner part of the buildings. This way a layered vertical garden is created within the building.

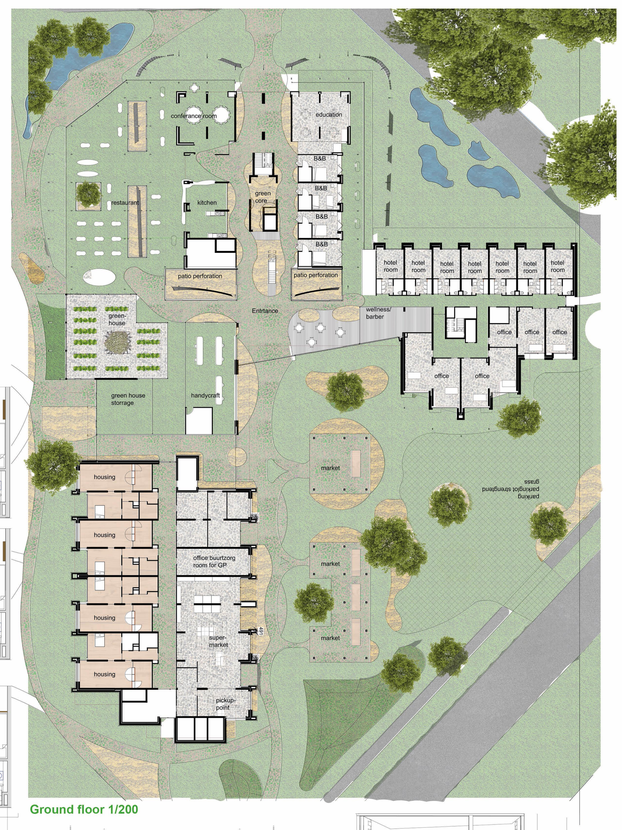
The structural core within the building is used as a vertical garden within the building. The floors in the structural core are demolished so a vertical garden can grow within the building The structural core connects the main route that runs through the plot visually with the storey floors. There are holes in the walls of the core to ensure views towards different levels and inside the vertical garden. The garden crates a living environment within the storey floors. The structural core becomes the heart of the building that connects all traffic areas. The ventilation runs through the core so the air is filtered by the plants. this way it is possible to look from level to level and the green park theme continues trough the building.

Still growing / Floor plan

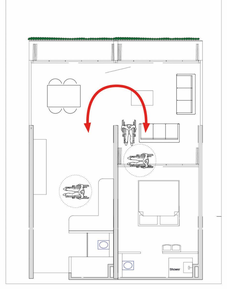
The rooms on the ground-floor are transparent so the different functions are visually connected. This way the main hall is visible and the green environment is present in every area. The stairways and structural core define the centre of the building. And guide visitors trough the building.

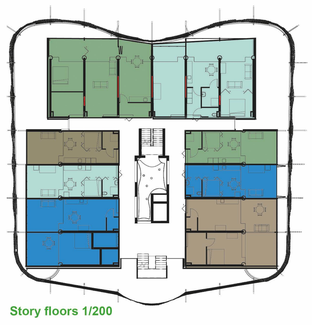
Floor levels
The floor levels are publicly accessible that creates a vertically dynamic environment. The building is a belvedère with a view of Haren and the surroundings. A floor level contains 14 grids. A grid runs from supporting wall to supporting wall. The buyer chooses itself how much grids he/she wants to buy. A grid can be shared.

Apartment
The apartments runs on flexibility (literally) and quality of living. Residents can decide how to connect the nature with the apartment.
The following point are adaptable:
- Placing of panels in the grids to seperate or share the spaces;
- Folding panel doors in the grids to share or seperate the spaces

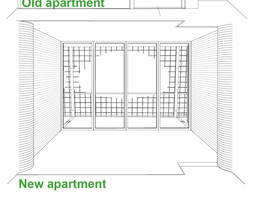


Ground floor 1/200

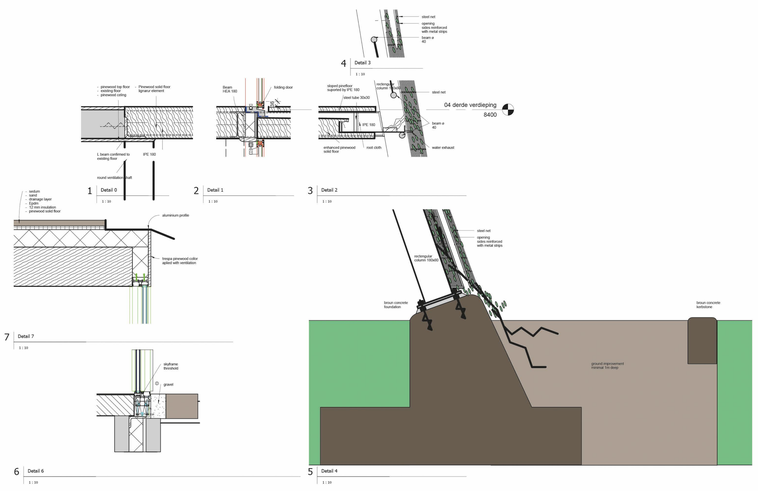

Functioning of apartments

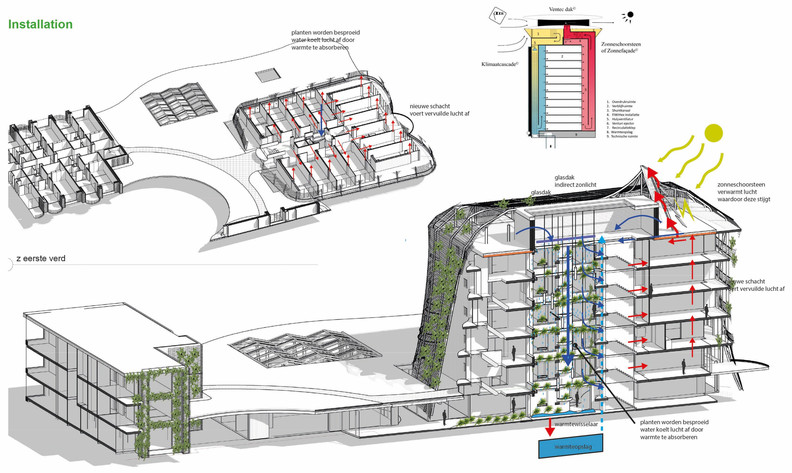

Story floors 1/200

Old apartment


New apartment

Still growing / Detalis



Details

Installation