

Inge

Ingolstadt - sustainable and together

The variety and vibrancy of a city for the people is brought to a space in Ingolstadt where it never was present and which was designed in an entirely different plan for it in head. Now it has the chance to transform from an outer city traffic node into a part of the urban fabric of Ingolstadt. What is now a space just for cars becomes a space for living, for mobility, for commerce and for community. The new mixed urban quarter "Inge" carefully links with the existing building stock and skilfully guides traffic through the neighbourhood taking into account current traffic volumes. Also it builds a bridge

in the existing green space concept of the city's second green ring. In doing so, it focuses on the urgent issues of sustainable, climate-friendly and inclusive building: Inge provides a mixed offer of residential spaces with diverse, flexible spaces for commercial, public and community uses as well as different open spaces and places to meet. The new urban quarter promotes the co-existence of people living temporarily and permanently in the city, allows the linking of living and working and opens the way towards sustainable forms of mobility without neglecting current mobility needs.

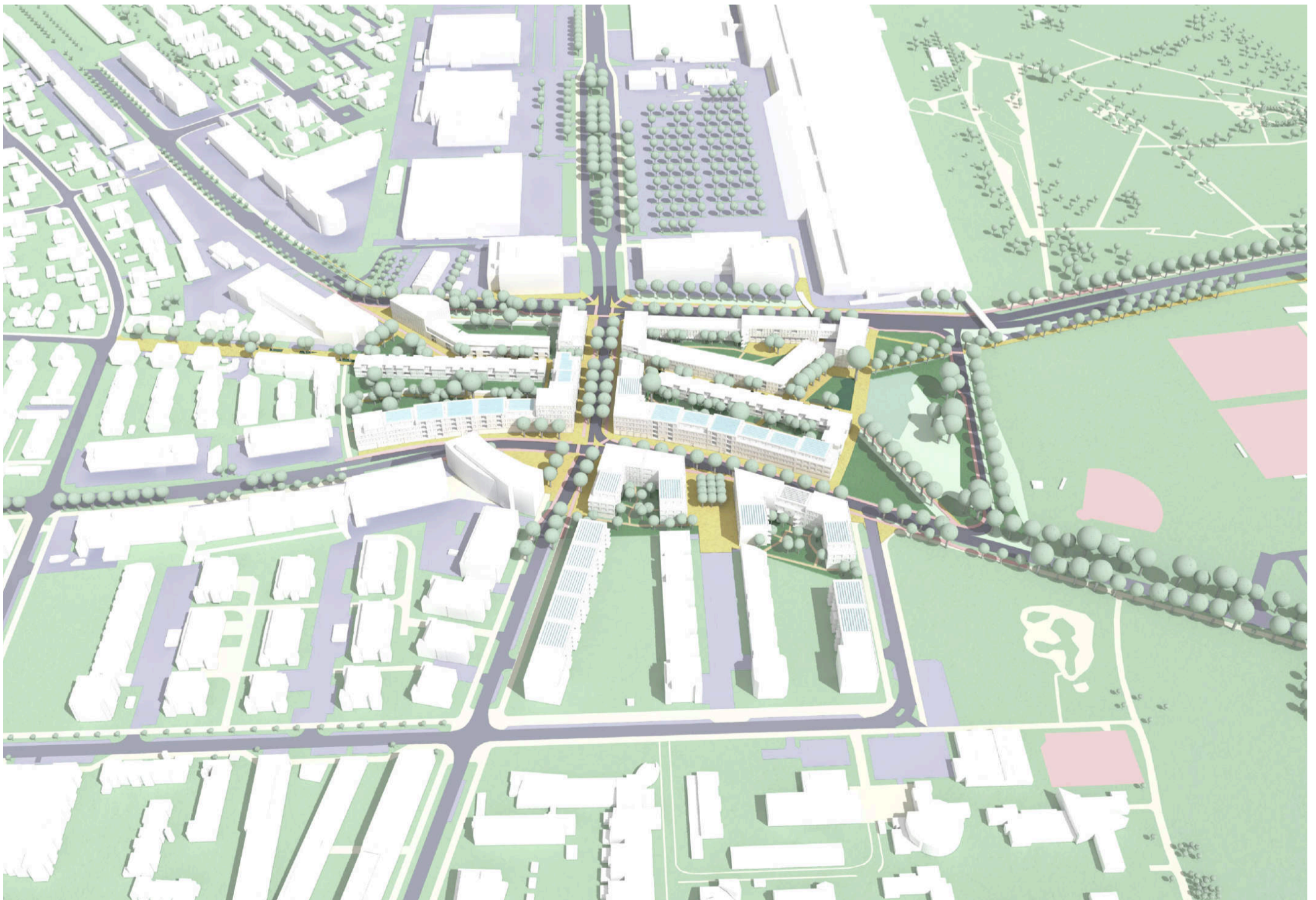
The Audi Ring is dissolved and with it the strong separation between traffic area and recreational area. A sustainable, ecological, socially diverse, integrative and dynamic urban quarter for flora, fauna and people is created - Inge. She is characterised by streets for passing and strolling, buildings for communal living and working, and squares for lingering and provisioning.



Figure Ground Diagramm 1:7500



Perspective Entering the Quarter Inge from Neuburger Straße



Bird's View from South

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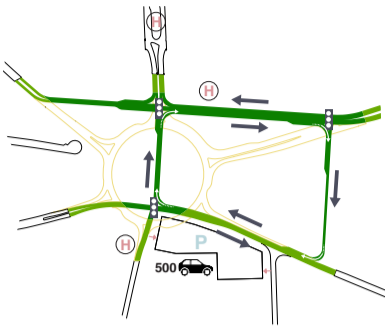
AG Matti Drechsel,
München

Reorganising Motorized Traffic

To create a suitable area for the quarter, the roundabout is transformed into a rectangle of four roads. The two in E-W direction link the roads connecting the inner city to the outskirts, as well as to the hospital.

The two roads in N-S direction are one way roads. Linked by turning lanes without the need for stopping at traffic lights, the new four streets can approximately cope with the same amount of traffic as the former roundabout. As the car traffic decreases in the future the street spaces can easily be transformed to allow for more other usages than car traffic.

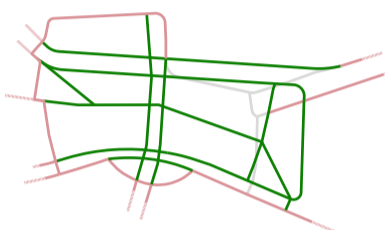
The new neighbourhood car park is a two story underground garage located beneath the two living blocks in the south.



- Former Road Layout of Audi-Ring
- New Road Layout on Existing Roads
- New Roads

Extending Bicycle Infrastructure

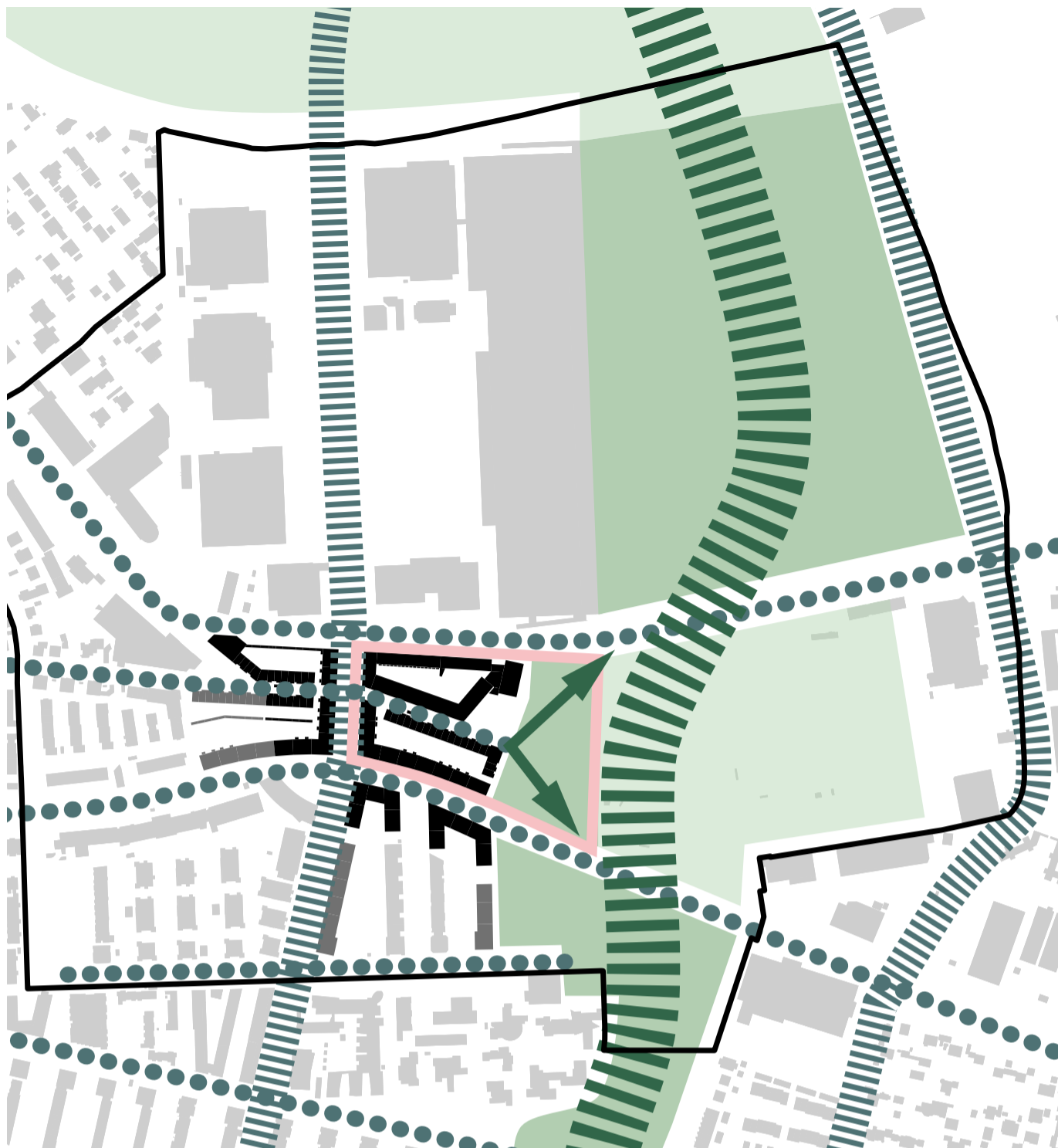
The Transformation of the local traffic system allows to improve the situation for pedestrians and cyclist. The bicycle paths leading towards the former Audi-Ring are extended and integrated into a new traffic network that puts carbon-free mobility in the centre. Bicycle paths and Sidewalks are integrated in all streets. With that the cornerstone of the local transformation to environmentally friendly mobility is laid.



- Existing Bicycle Lanes with Long Detours
- New Bike Lanes, linking existing accesses
- Former Bike Lanes

Walkable and Qualitative Public Space

The new quarter Inge is characterised by the different and distinct public spaces. Three squares provide centres and orientation: the City Square offers shops for daily needs. The City Terrace is a meeting place to linger with a direct transition to the park. The "neighbourhood square" in the west is a low-threshold prelude for everyday encounters between Inge and neighbouring Friedrichshofen.



Site Plan Study Site 1:2500

Site Plan Project Site 1:1000



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Dwelling and Meeting

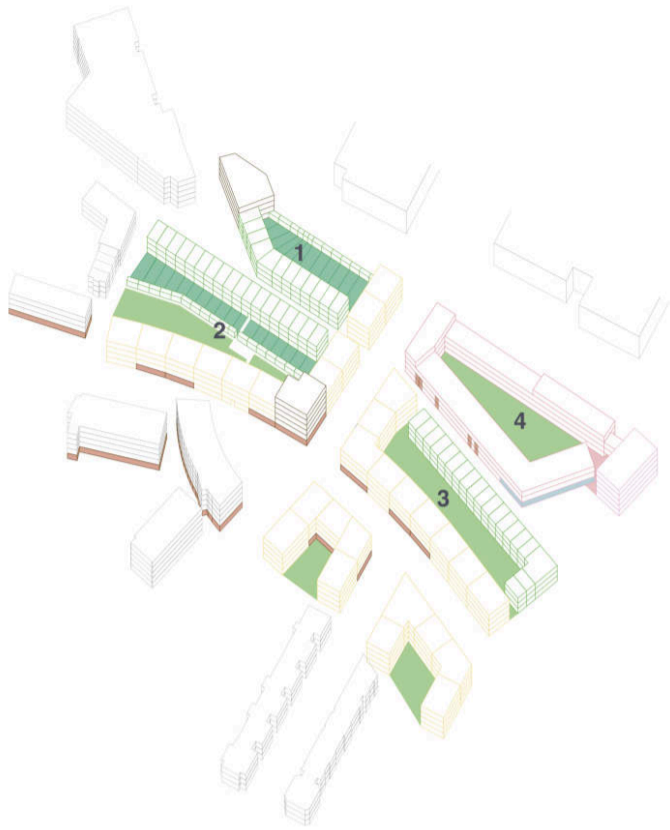
The Inge district offers a diverse and multi-layered range of housing. Inge is divided into four new separate building plots of different building and housing typologies: There are terraced houses with gardens, multi-storey dwellings with courtyards and an integrative dwelling with a courtyard.

1 - **Adaptable terraced houses with generous garden plots** sit in the north western corner of the project site. Garden houses protect from noise and view and make carbon intensive basements superfluous.

2 - The building area in the southwest forms an almost **closed block perimeter of terraced houses and four-storey apartment buildings** on three sides. It ties in typologically with the larger buildings along Levelingstraße.

3 - The closed block in the southeast consists of terraced houses and four-storey apartment buildings, but focuses on **shared, communal green spaces**.

4 - The building site in the north-east offers space for experimentation. A **large integrative housing block** aimed at a diverse group of inhabitants, from families, students, refugees to retirees.



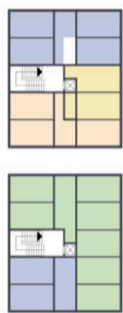
Housing Types and Programme Courtyards

Growing and Adapting

Besides the diverse architectural types offering diverse forms of housing, the architecture itself should be adaptable to react to the changing needs of the inhabitants.

The apartment blocks consist of a serial structure of 3,5m wide rooms that can easily be combined to form different apartments. The options range from one to eight-room apartments; for instance as flat-shares for students or as a dentist's practice.

The terraced houses, a desired typology for families with kids, often grow too big when these move out of their parents house. The layout of the terraced houses allows to use each floor as separate unit, so that new neighbours can move in, or the house can be used as multigenerational house.



Floor Plan Variations Apartment Block



Floor Plan Variations Terraced House One-Family House



3 Separate Units

Different and Together

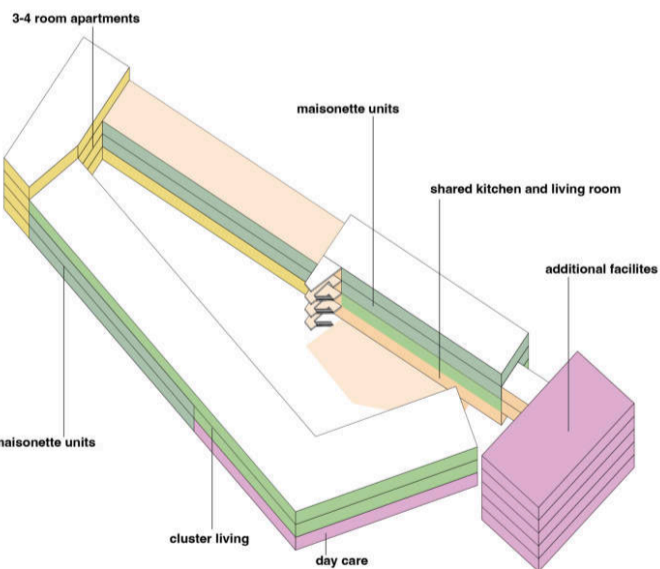
The integrative housing project in the northeastern corner aims at bringing together different population groups. It does this by combining various housing types with shared facilities - similar to various cooperative housing projects in Zurich or Vienna (e.g. Kalkbreite or Sargfabrik).

The eastern part is marked by the detached five-storey tower that provides **additional functions** to the housing project as well as to the neighbourhood. These range from sports facilities, to co-working and workshop rooms.

Adjacent are spacious **cluster housing units** and **individual maisonette units**. They offer a wide range from private to more communal living.

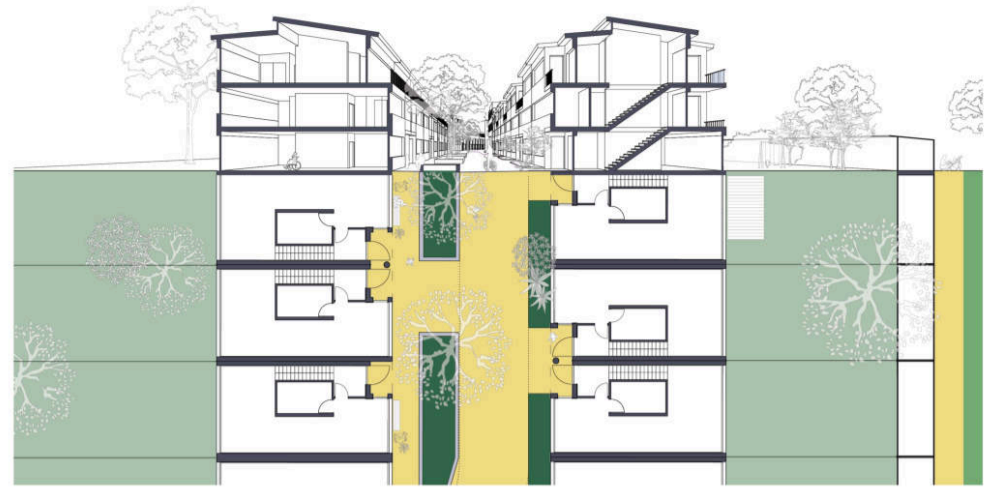
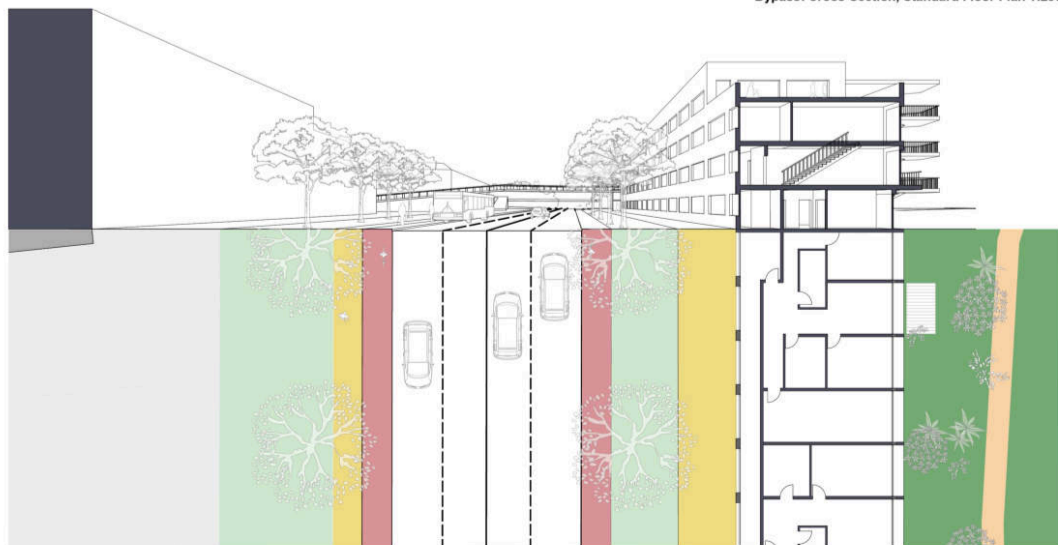
The western end of the block houses **3-4 room apartments** similar to the apartment blocks on the other plots.

Towards the neighbourhood street the maisonette units appear again on ground level, creating options for **small entrepreneurs or neighbourly living**.

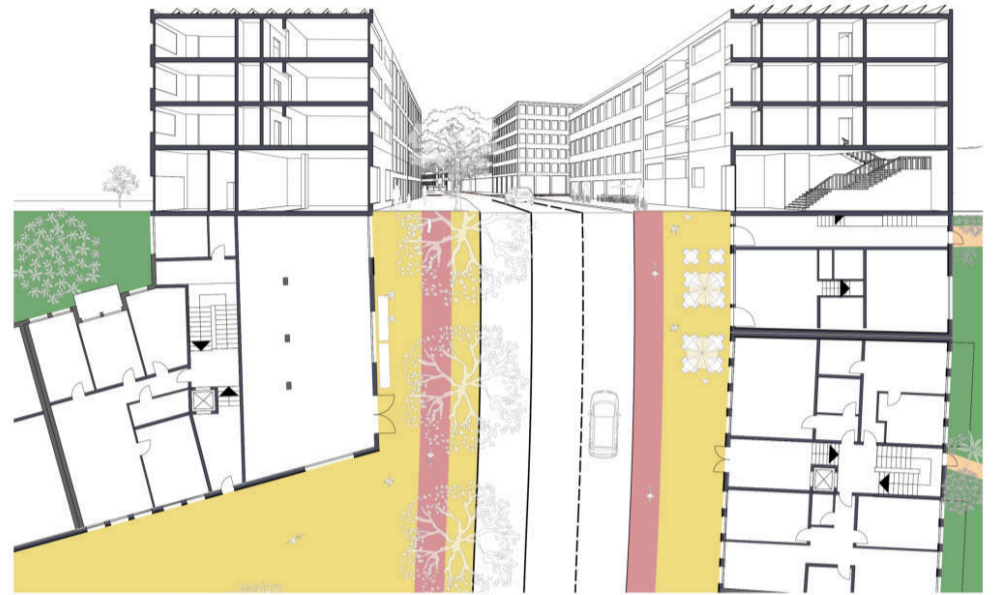


Programme Integrative Housing Project

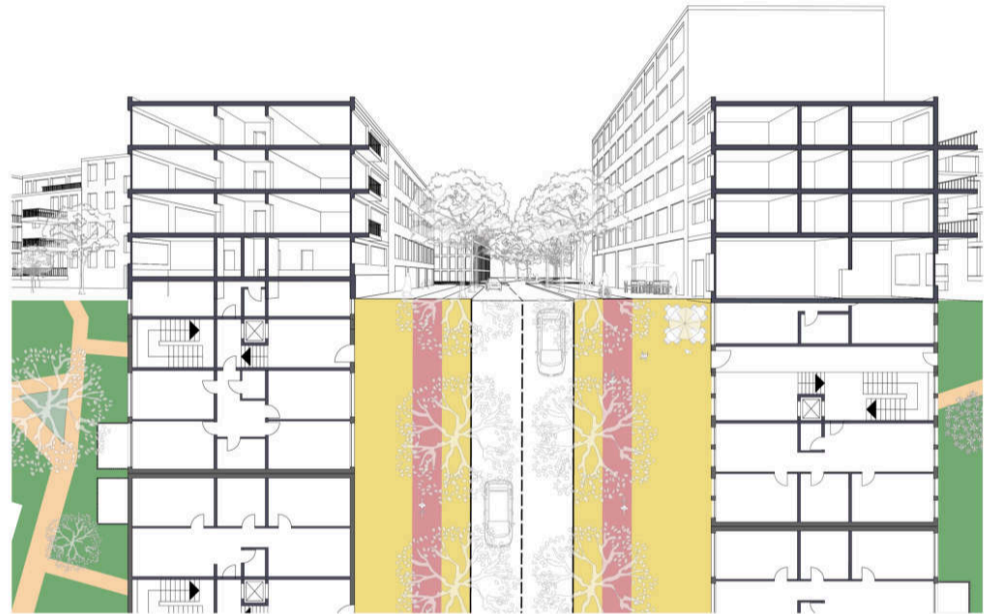
Bypass: Cross-Section, Standard Floor Plan 1:250



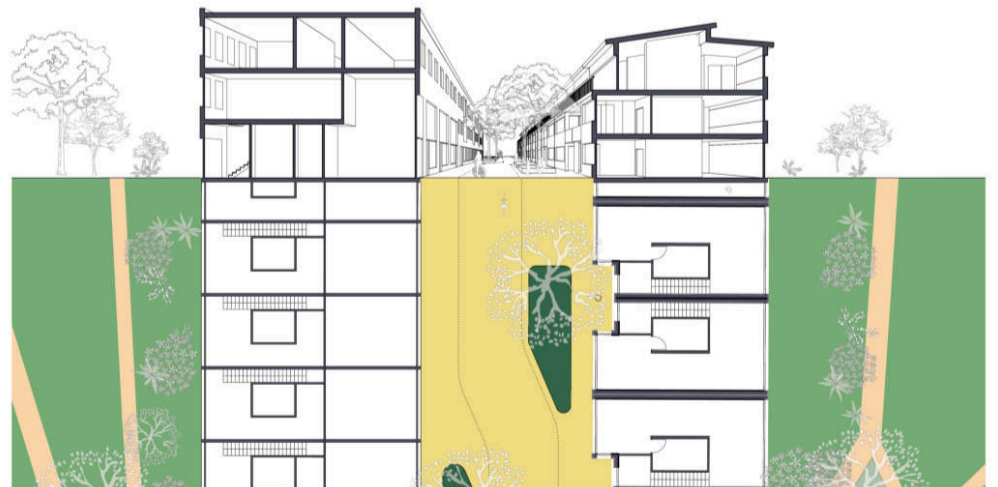
Neighbourhood Street West: Cross-Section, Standard Floor Plan 1:250



Urban Street: Cross-Section, Standard Floor Plan 1:250



Boulevard: Cross-Section, Standard Floor Plan 1:250



Neighbourhood Street East: Cross-Section, Standard Floor Plan 1:250

Bypass with Potential Future Transformation: Cross-Section, Standard Floor Plan 1:250

