

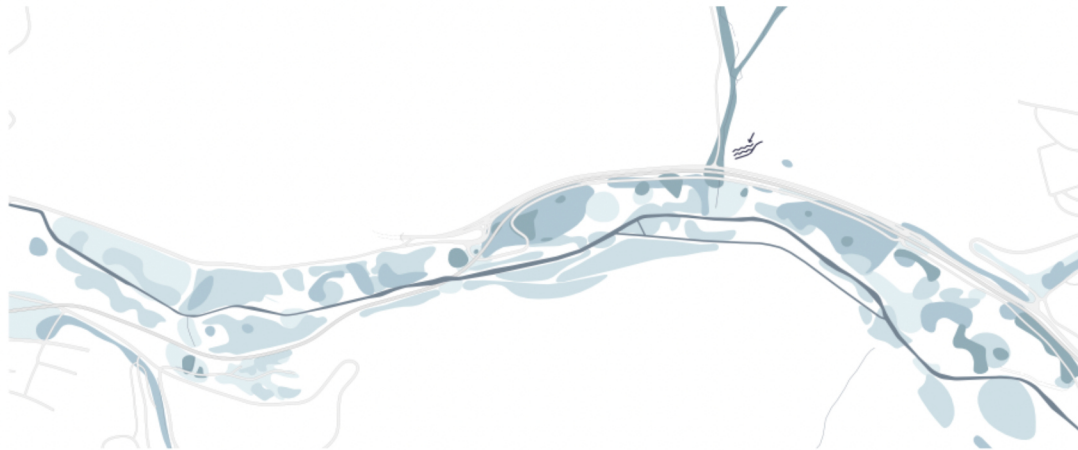
RE:ALB



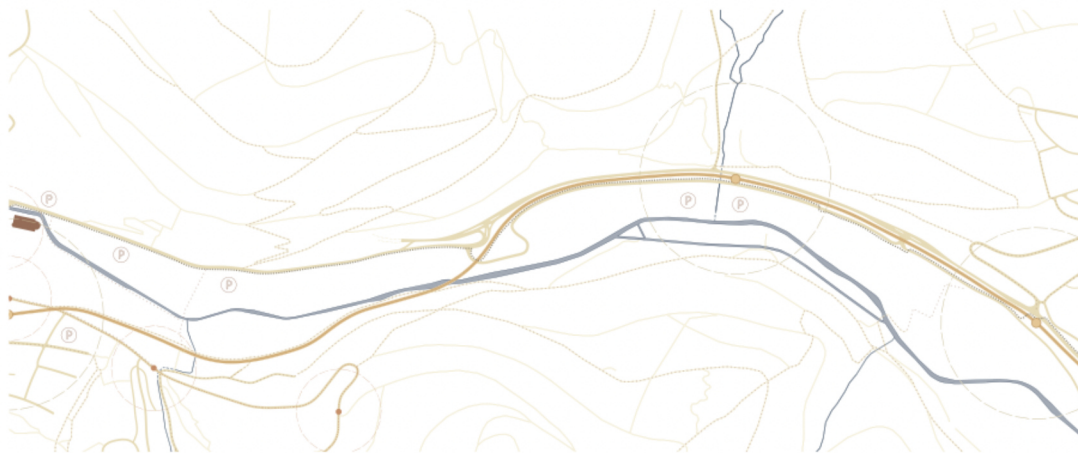
RE:ALB

urban life along the river – with a focus on blue–green–centric spaces

istb_MA_studio engel_franziska killguss+annika sonneck



ANALYSIS ALB 1:5000



ANALYSIS MOBILITY 1:5000



ANALYSIS FUNCTIONS 1:5000



ANALYSIS GREEN SPACES 1:5000

re:vive

transform the alb river into a social & ecological asset

The riverfront will be made accessible with promenades, seating steps, and terraces that invite people to spend time by the water. The area along the river is meant to become a lively space for recreation and social activities—such as sports, cultural events, and social gatherings. Most importantly, water will no longer be treated merely as a technical utility, but reframed as a visible, engaging, and integral element of the city's urban design.

- alb
- extensive rainwater collection
- moderate rainwater collection
- minor rainwater collection
- minimal rainwater collection

re:route

reshape the industrial urban grain into a human-scaled network & foster sustainable mobility

A human-scaled network of walkable paths and clear cycling routes will be established. Public transport is enhanced through improved infrastructure and stronger connections, complemented by shared mobility options to reduce car dependency. Access to green and public spaces will be improved through clear signage and orientation. Riverside parking and garages are going to be converted into active urban fronts.

- street
- railway
- parking garage
- bus line
- pedestrians
- bicycle
- Ⓟ parking spaces

re:define

developing a vibrant urban district, enhancing economic vitality while preserving cultural heritage

transform industrial areas with flexible uses, integrate urban gardening and vertical extensions, and develop community hubs to foster identity and interaction. Productive landscapes—such as urban farming, green roofs, and shared gardens—combine ecological benefits with economic use, contributing to a sustainable and vibrant district development.

- business
- restaurant
- grocery shopping
- other shopping
- health
- adult education
- kindergarden
- leisure time
- traffic
- residential buildings

re:grow

implement water-sensitive urban design to address climate change, biodiversity, and livability

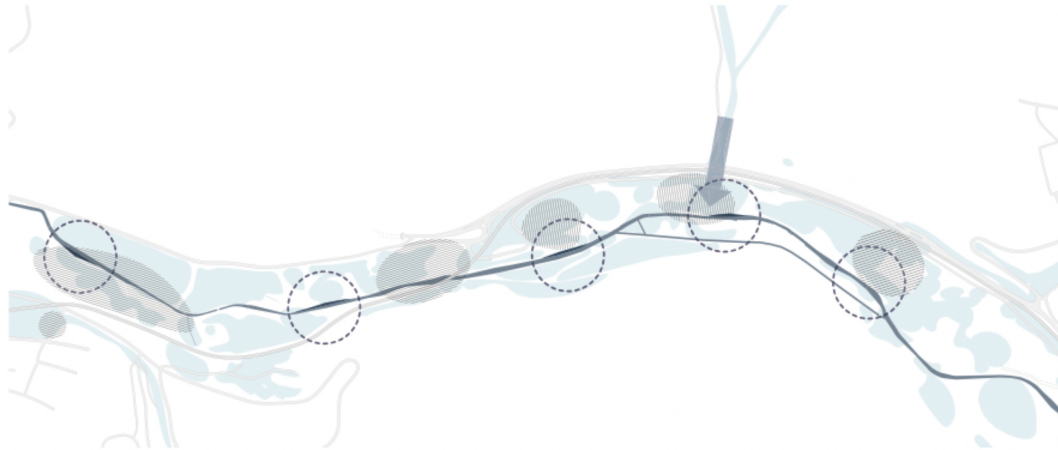
Large-scale unsealing of neglected or unused open spaces enables the restoration of high quality green and public spaces within the area. Removing impermeable materials allows rainwater to infiltrate the soil again, reducing runoff and flood risks. Permeable pavements, rain gardens, and bioswales manage stormwater on-site, while green roofs and retention basins store and slow water flow.

- green space
- sealed surfaces
- community garden
- agriculture
- sports fields
- forest

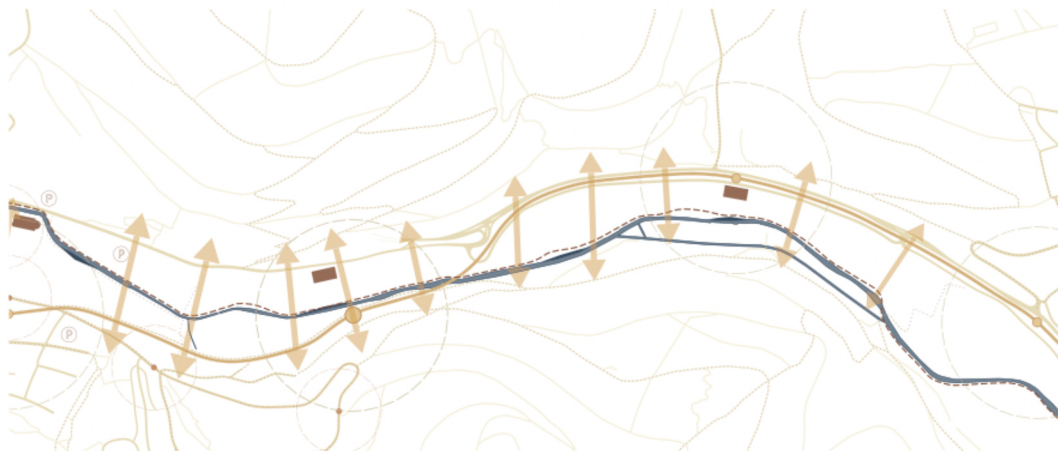
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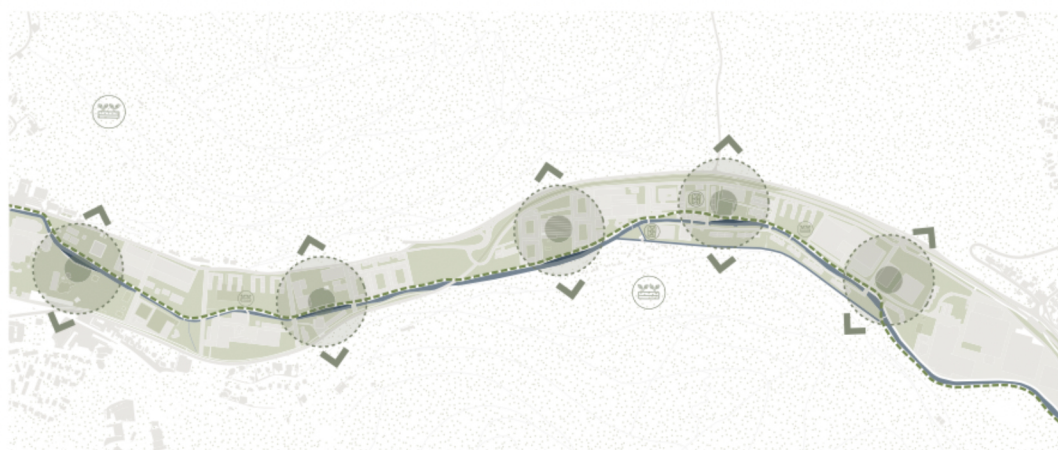
POTENTIALS ALB 1:5000



POTENTIALS MOBILITY 1:5000



POTENTIALS FUNCTIONS 1:5000



POTENTIALS GREEN SPACES 1:5000

re:vive



integrating infiltration areas



tree trenches along the streets



opening the river to the public

- alb
- minor rainwater collection
- minimal rainwater collection
- retention areas

re:route



prioritize pedestrians and bikers



reduce parking areas – stack cars



enable human-scaled network

- street
- railway
- parking garage
- bus line
- pedestrians
- new pedestrian + bike track
- Ⓟ parking spaces

re:define



inner-city densification



community gardening



introducing mixed-use

- business
- restaurant
- grocery shopping
- other shopping
- health
- new buildings
- adult education
- kindergarden
- leisure time
- traffic
- residential buildings
- demolition

re:grow



enhance urban places and relaxation areas



unsealing surfaces



implementing quality green along the river

- green space
- sealed surfaces
- community garden
- agriculture
- sports fields
- forest

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construction phases

Phase 1: Unsealing
The large sealed surfaces in Area 3 will be gradually opened up and replaced with permeable ground and green elements.

Phase 2: Start of Densification
Existing buildings will be extended by adding extra floors and adapting them for new uses.

Phase 3: Demolition
A few former factory halls will be removed to make space for new housing.

Phase 4: Human-Scaled Mobility Network
A fine-grained network for pedestrians and cyclists will be implemented. Most of the area will be made car-free.

Phase 5: New Construction
New residential units will be built to enable urban living.

Phase 6: Blue-Green-Centric Spaces
Blue-green-centric spaces will take shape, become social hotspots, and connect the surrounding neighborhoods.

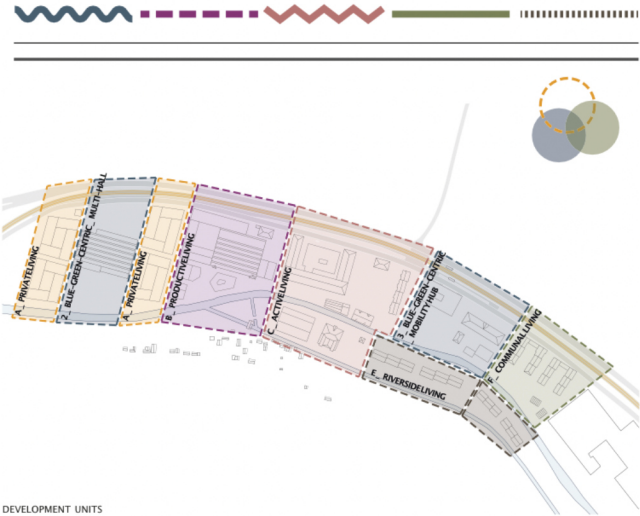
Phase 7: Jobs and Social Infrastructure
New workplaces and social facilities will gradually be added to support a diverse and active community.

Phase 8: Sports Infrastructure
Sports facilities will be developed to promote health, movement, and public life.

Phase 9: Expansion of Communal Living
Community-based housing models will be further expanded and integrated into the neighborhood.

concept

A transformation concept for the former industrial site of the Spinnerei in Ettlingen. Once dominated by sealed surfaces, fragmented uses, and poor walkability, the area today lacks vibrancy and functions mainly as a transit zone. Our goal is to activate the site as a lively urban quarter by introducing a variety of uses and reconnecting the area to the river as a social and ecological asset. We aim to reduce sealed surfaces, create a pedestrian- and bike-friendly network, and establish diverse residential typologies that respond to different lifestyles and needs. The concept promotes a shift from mono-functional production to a mixed and inclusive urban life—with people living and working in the same place. At the heart of the project lie blue-green-centric spaces, where water, vegetation, and social life merge to create identity and resilience. This approach turns a neglected industrial void into a new piece of city—vibrant, livable, and deeply connected to its river.

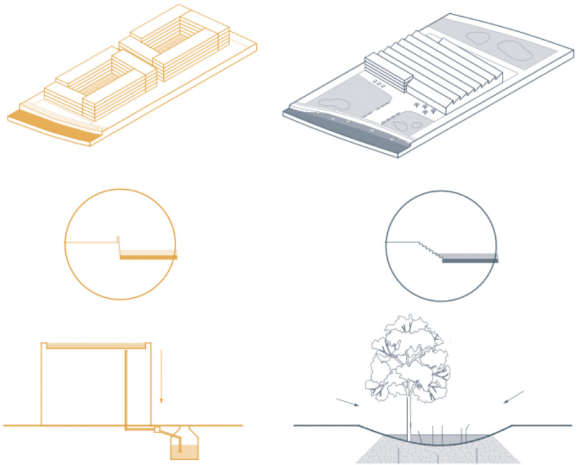


private living

is defined by perimeter block buildings with private gardens in the inner courtyard. The typology is made for people seeking calm, privacy, and a retreat from urban bustle. The river edge is not designed for public use—it is simply bordered by a railing for safety. The focus lies on a quiet residential atmosphere. Rainwater from green roofs is collected in cisterns and reused for toilet flushing and similar purposes.

blue-green-centric-space

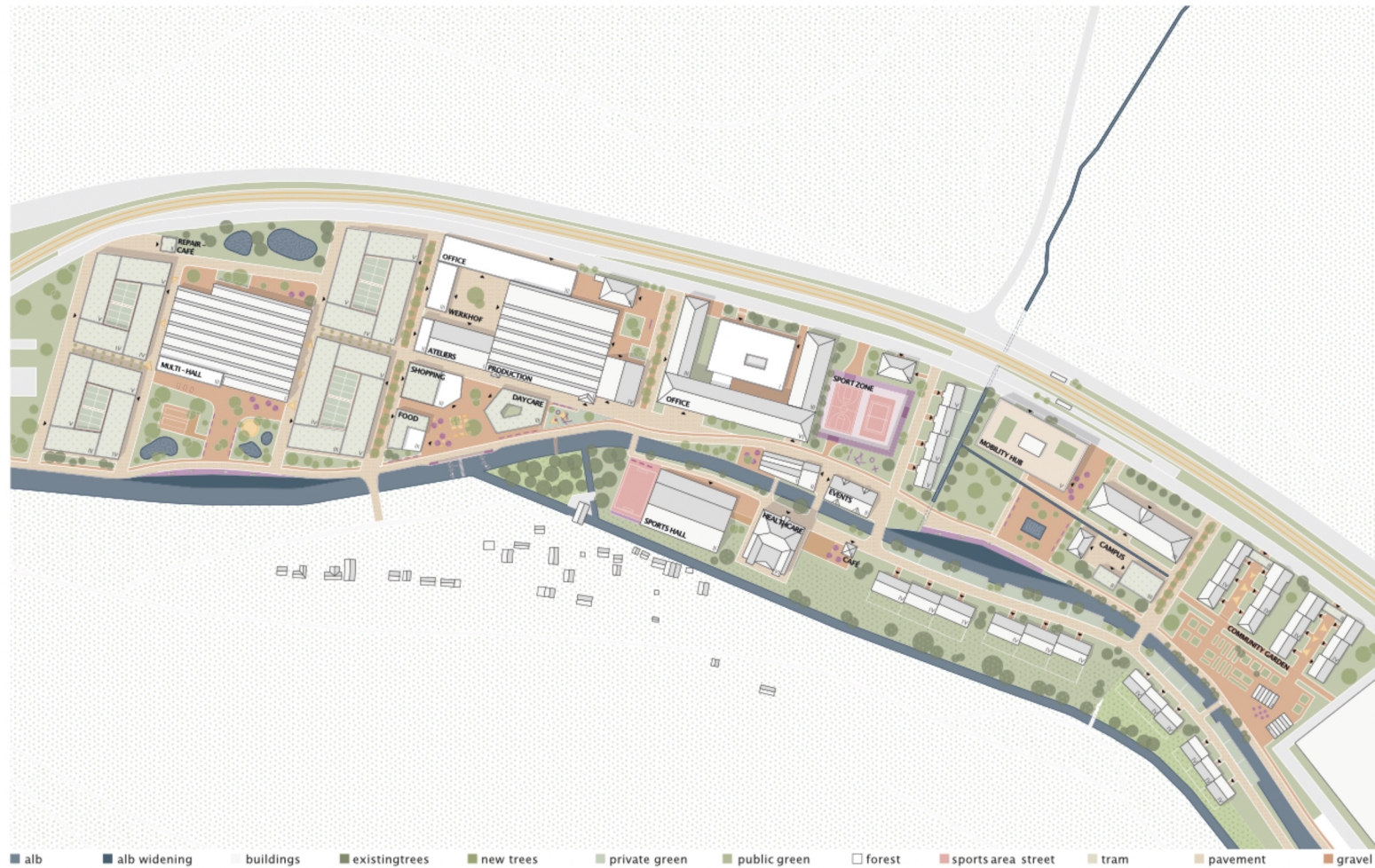
is an environment where natural water systems and green infrastructures are central structural and design elements. It always opens toward the water with wide river stairs that invite people to stay, move, and interact. These spaces are designed for direct access to the river and offer high-quality public places along the waterfront. Each space includes a social building to support everyday community life. Rainwater is collected in shallow basins and ponds, which also serve as social meeting spots and add to the blue-green identity.



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MASTERPLAN 1_1000

productive living

is a vibrant mixed-use area that combines workspaces, community infrastructure, and everyday urban life. It is a place full of activity, where people work, create, and connect. Public plazas and open spaces shape the character of this lively urban environment. Along the river, small stairs lead down to the water, and stepping stones allow people to cross while also creating dynamic flow patterns in the stream. Rainwater is managed through tree trenches and permeable surfaces, supporting infiltration directly on-site.

active living

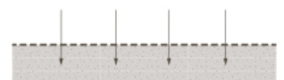
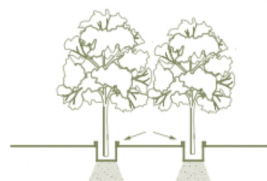
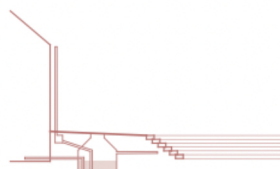
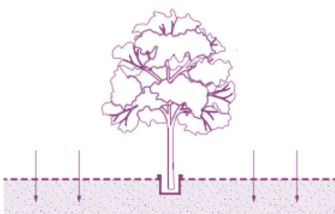
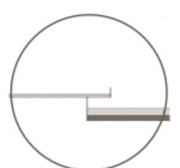
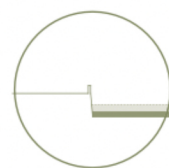
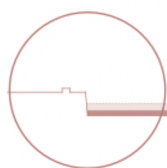
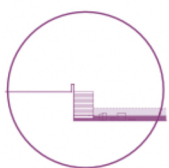
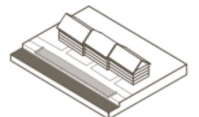
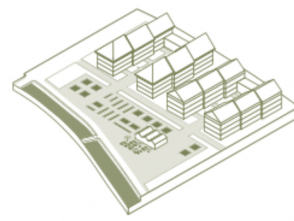
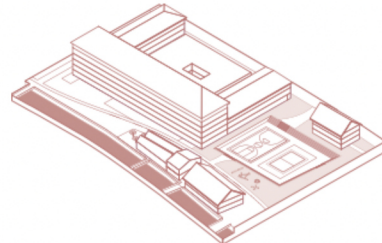
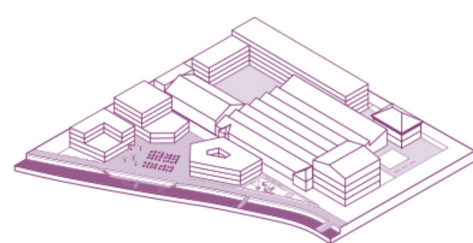
is a dynamic urban area focused on sports, movement, and health-oriented uses. It includes outdoor sports fields and flexible spaces like event halls or coworking hubs. The sports fields are partially sunken into the ground and serve as temporary retention basins during heavy rainfall. Collected water is gradually drained via a swale or infiltration trench system and partially reused. Toward the river, simple seating elements create a soft edge without forming a barrier, keeping the focus on activity while maintaining visual and physical access to the water.

communal living

focuses on shared spaces, community gardening, and collective forms of living. Linear buildings are connected by communal rooms and oriented toward interaction and exchange. A large community garden forms the heart of the area. Toward the river, a simple railing defines the edge, as the emphasis lies on the internal green space. Rainwater is directed into tree trenches with underground storage boxes, where it is collected and slowly discharged, supporting both greenery and local water cycles.

riverside living

is shaped by existing linear housing structures situated near the river. Added freestanding platforms extend into the river space. These structures serve as private balconies or gardens, offering quiet places to relax and creating new perspectives over the water. This form of living is designed for people seeking comfort and tranquility. Rainwater is managed through wildflower meadows and natural vegetation, with highly permeable soils that support local infiltration.



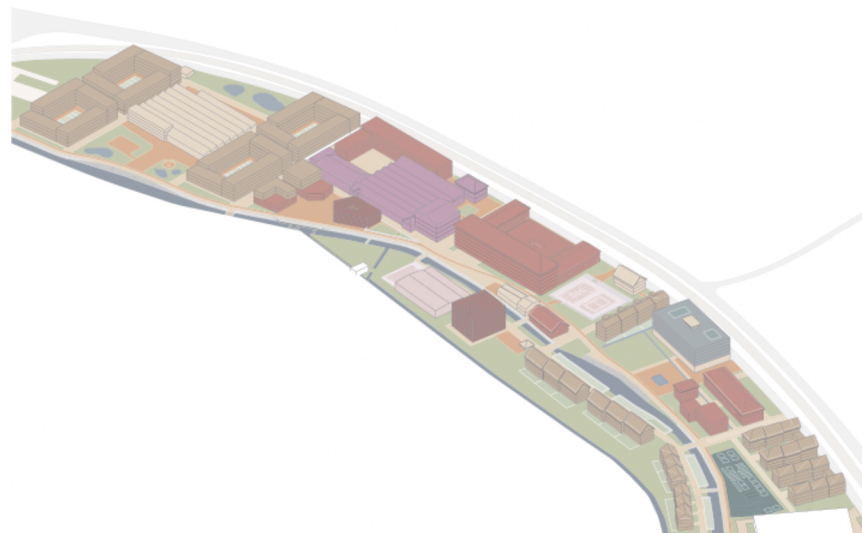
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AXONOMETRIC VIEW

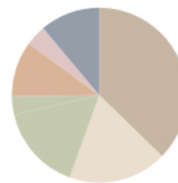


LAND USES AND URBAN DEVELOPMENT INDICATORS

EXISTING
135 HOUSING UNITS

PLANNED
420 HOUSING UNITS

31QM GREEN PER PERSON



HOUSING	54000QM
OFFICE + CO-WORKING + CAMPUS	50000QM
ATELIERS + WORKSHOPS	7000QM
EVENTS + COMMUNITY	7500QM
KITA + HEALTH	5500QM
MOBILITY HUB	10000QM
COMMUNITY GARDENING	2600QM
SPORT AREAS	4800QM
PUBLIC GREEN	20000QM
PRIVATE GREEN	4300QM
WATER	14000QM
PAVEMENT	23000QM
INFILTRATION SURFACE	13000QM



SECTION 1_1000

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VISUALISATION MULTIHALL



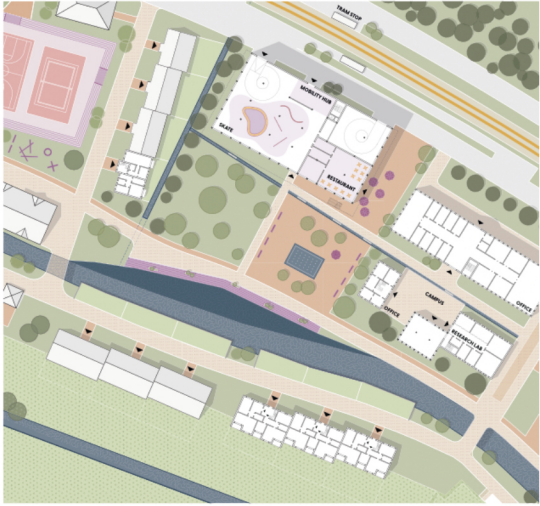
VISUALISATION MOBILITY HUB



ZOOM-IN FLOOR PLAN 1_500



ZOOM-IN SECTION 1_500



ZOOM-IN FLOOR PLAN 1_500



ZOOM-IN SECTION 1_500