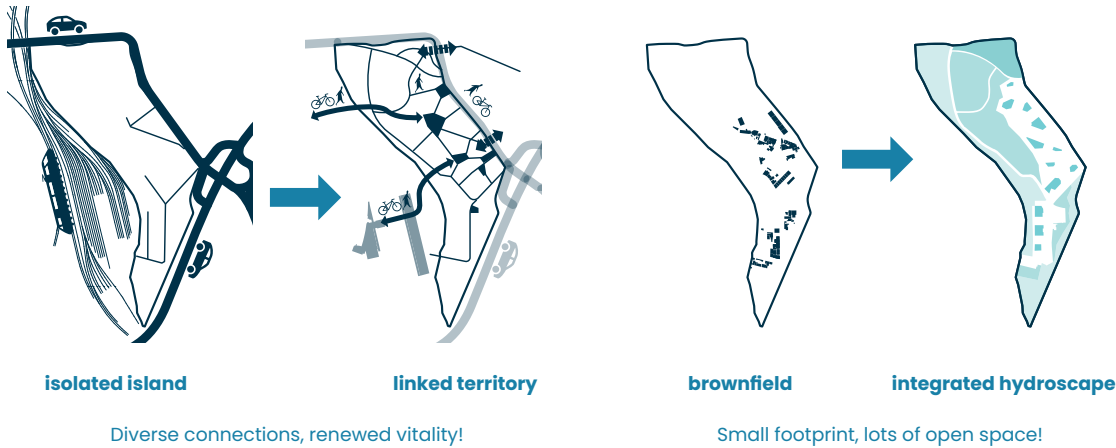


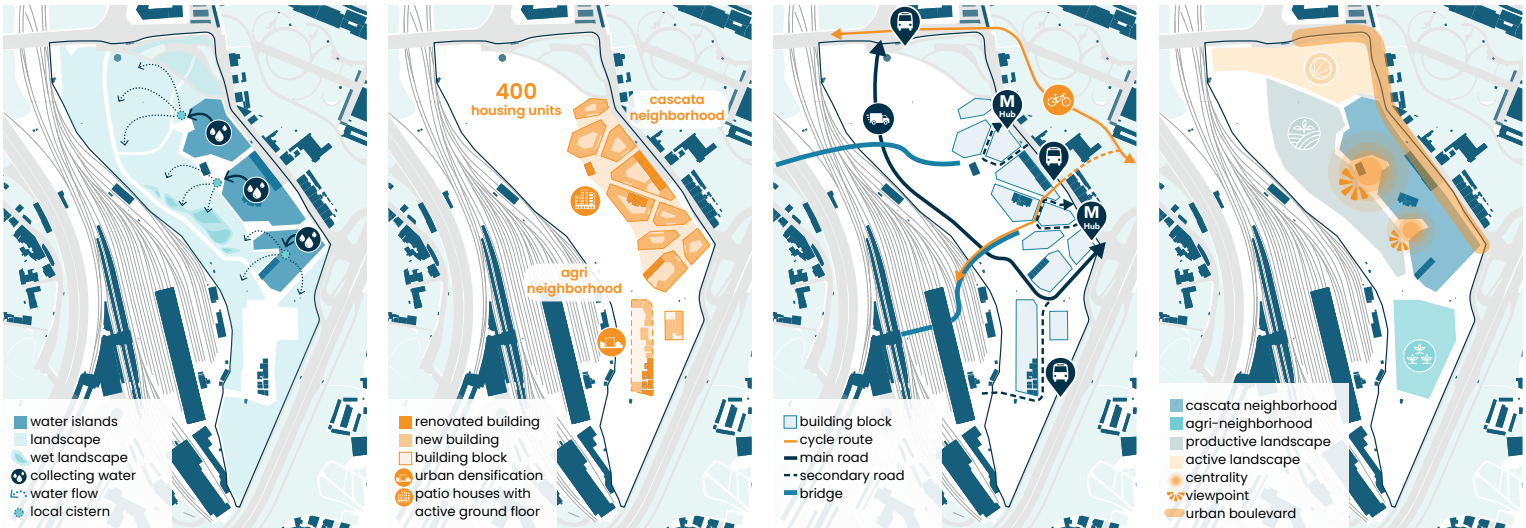
Cascata Urbana

combines a dense, sustainable neighbourhood with an agricultural focus. **Water** is treated as a **valuable resource** and reused in **staggered cycles**, surface water and greywater are integrated into a systematic irrigation network for fields and community gardens. Strategic new connections link the area to its surroundings, making new qualities accessible beyond the site. **Existing paths and buildings are carefully integrated** into the urban fabric. Above the large cistern, a wild, flood-resilient landscape with partially submerged plants offers a natural experience, accessed via wooden walkways. With its **urban terraces** and ecological logic, the quarter becomes a **confident, future-oriented** piece of the city.

Design Logic



Structure Graphics



Hydroscape

Recreation Nature, Neighborhood Nature, Productive Nature, and Infra-Nature shape a resilient urban landscape. On **7 hectares**, blue and green infrastructure creates a foundation for a climate-ready city. **Rain gardens** and **water terraces** act as ecological connectors — filtering water, enhancing biodiversity, and linking spaces through nature.

Built Structure

Around **400 new housing units** are created through **high-density development on a small footprint**, primarily on **public land**. The design carefully integrates the **existing built fabric** — only non-renovatable structures are dismantled and recycled. This approach balances growth with sustainability, preserving character while enabling transformation.

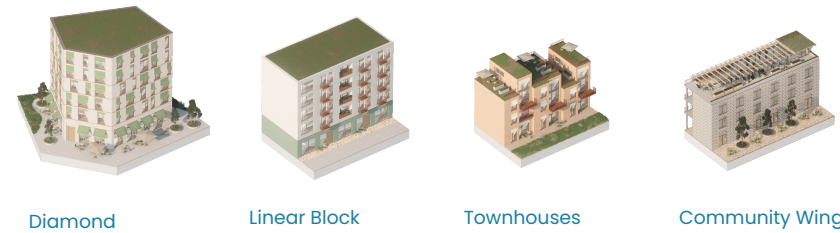
Mobility

The existing **street grid** is retained and reimagined with **car-free streets**, **mobility hubs**, and **peripheral parking garages**, prioritizing people and reducing street space by up to **50%**. A new **bike and pedestrian link** connects the site to the train station and the regional **cycling network**. A **landscape-integrated service road** ensures functional access.

Everyday City

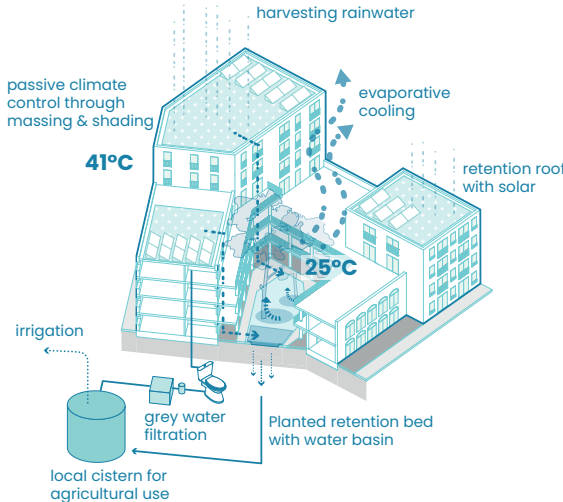
A new residential quarter emerges as a series of **character-rich ensembles**, shaped by blue and green terraces. It connects seamlessly to **existing urban functions** while opening space for **new uses**. Designed to attract diverse residents, it fosters **vibrant new communities** alongside the existing ones. A lively **boulevard** forms the urban spine.

Residential Typologies



Rather than relying on large, monolithic urban blocks, we pursued a more adaptable approach — **smaller, more flexible plots** that enable a **diverse mix of building types**. Living spaces are intentionally interwoven with social housing, self-build initiatives, and community-oriented hubs. This strategy fosters collaboration by **bringing together existing residents, individuals, collectives, investors, and developers** to co-shape the neighborhood.

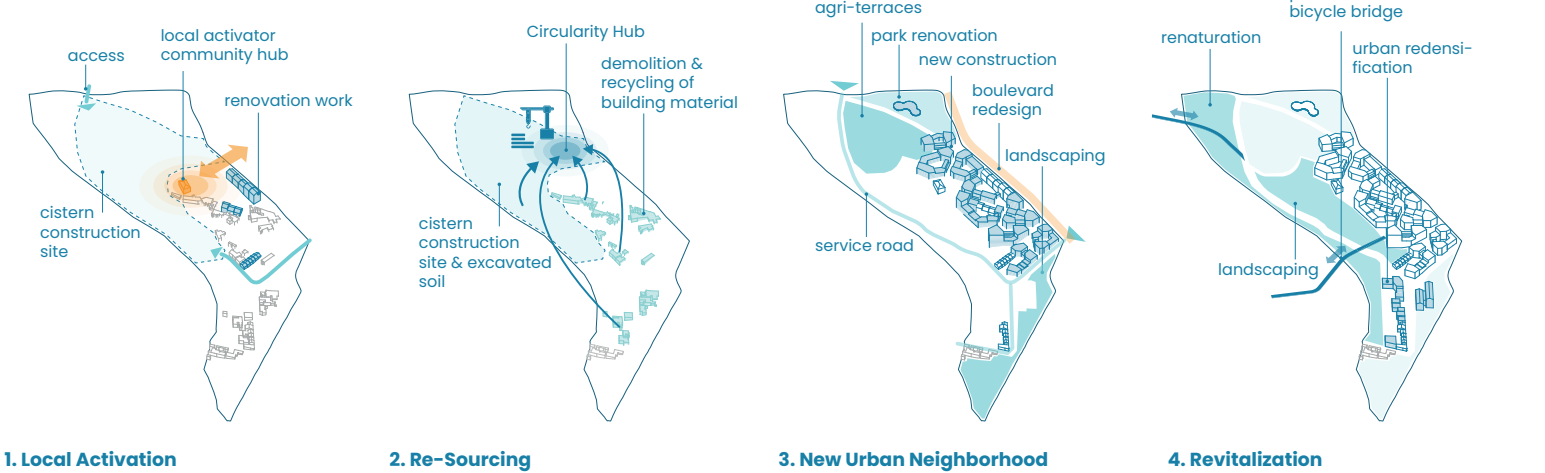
Hydro-Courtyard



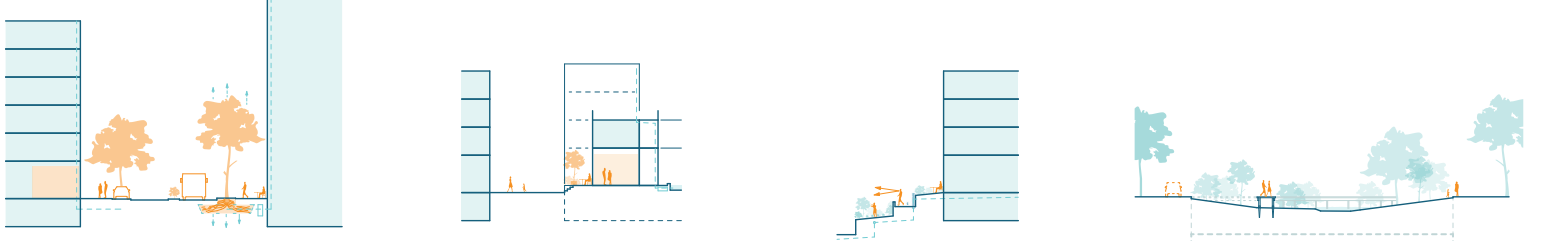
Site Plan



Process & Re-Sourcing – a step by step masterplan



Sections



The Boulevard

The original four-lane road is reduced to two lanes, enhancing pedestrian quality of life. Active ground floors and sponge city trees with ample root space define the new boulevard.

Shaded Alleyways

In the narrow, 8–10 m-wide, shaded alleyways, the two storey community wing introduces targeted setbacks to improve daylight. It also leads to the Hydro-Courtyard.

Community-Rain Gardens

At the transition between buildings and green spaces, community gardens and walkways are integrated, along with water access points. Building levels are graded and staggered to follow the terrain.

Stormwater Retention Landscape

The area above the large cistern becomes a wild, unmanaged landscape with flood-resistant, partially submerged plants. Wooden walkways offer formal access for visitors.

Axonomy

