# IM012 THE PARK THAT REACHES EVERY HOME

### 3 PRINCIPLES FOR A SHARED HABITAT

#### **TO RECONCILE**

the city & the countryside

Our approach to the development of 'Am Heidjöchl' intends not to displace the qualities of the existing territory, but to integrate them into the new quarter.

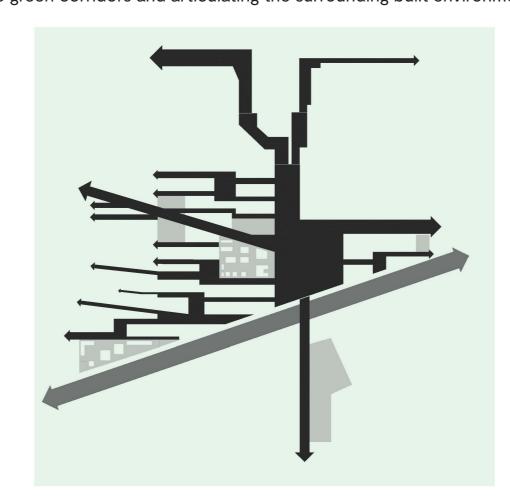


INTERWOVING THE BUILT AND THE UNBUILT

#### TO CONNECT

the city through the green infrastructure

The strategy consists of the creation of a central park that extends to the edges of the site by the means of different kinds of open spaces, completing the green corridors and articulating the surrounding built environment

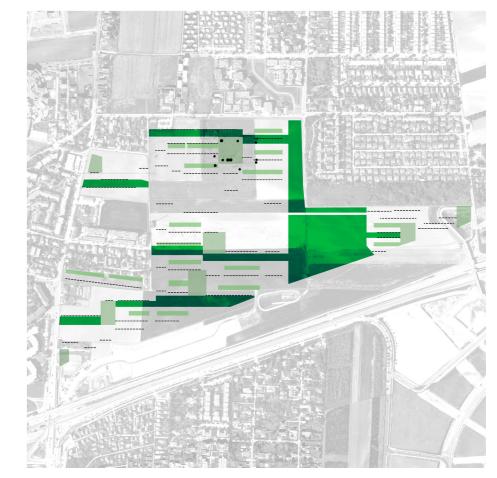


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### **TO PRESERVE**

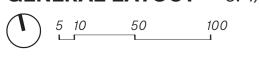
nature as a starting point

In the first place, the project identifies areas that will preserve and enhance the existing values of the landscape, regarding topography and biodiversity.



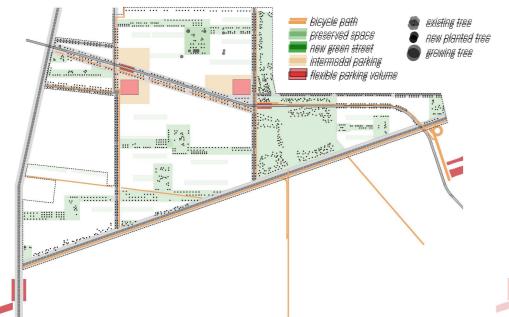
TABULA NON-RASA: PHASE 0





### **URBAN PROCESS**

the open space as the structure for a green quarter



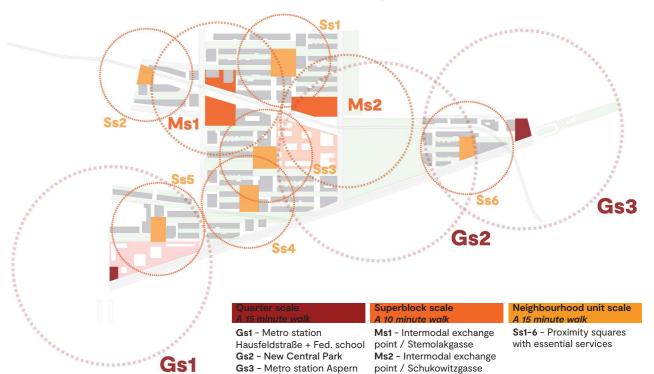
PHASE 1 Connecting the site to the public transport system 11 existing trees preserved + 1.650 new trees planted



PHASE 2 Building anchor points to the existing neighbourhoods + 500 new trees planted

PHASE 3 Generating communities + 170 new trees planted

# **3 URBAN SCALES** from domestic life to city connections



IM012 THE PARK THAT REACHES EVERY HOME yes! we care for... PARK&WALK FACILITY "A" collective roof space **INTERMODAL PARK & RIDE FACILITIES** A CONNECTED AND ACCESSIBLE QUARTER 3.000 total parking spaces convertible parking (x5) 25% above ground (open wood structure) parcel station + services ... that offers a connection with the infrastructures and 75% underground (with natural light and ventilation) prioritizes active mobility. It adapts to people with different underground parking (x3) skills when it comes to moving. geothermal H&C central pumps PARK&WALK FACILITY "B" collective roof space convertible parking (x5) parcel station + services underground parking (x3) geothermal H&C central pumps intermodal parking car free superblock integrated puctual accés (last mile logisitc, ambulance, reduced mobility, firemen, etc.) · Intermodal park&walk facilities · Integrated green streets · Extensive bicycle path network · Centralized parcel stations **KINDERGARTEN** 2.000m2 GFA (ground level) 1.500m2 patio **ANCHOR POINT** PFALZGASSE A HEALTHY AND LIVELY COMMUNITY FEDERAL SCHOOL 1.5 Ha Ground area COMMERCIAL FAÇADE (ground level) 15.000m2 GFA ... which facilitates a wide range of local activities (shopping, COMMERCIAL FAÇADE education, leisure...) and community life within a few minutes (ground level) EDUCATIONAL CAMPUS **ANCHOR POINT** walk. *HAUSFELDSTRASS* 1.8 Ha Ground area 30.000m2 GFA · Educational and care facilities as central elements · Constellation of community squares with services and amenities **KINDERGARTEN** · Hirschstettner Hauptallee as the backbone of the new 2.000m2 GFA (ground level) 1.500m2 patio quarter COMMERCIAL FAÇADE COMMERCIAL FAÇADE (ground level) (ground level) A QUARTER WITH DIFFERENT **SHADES OF GREEN** ----- small garden kiosk ... which seeks to optimize environmental quality and protects green elements with different ecological functions. collective crops & gardens · Integrated green streets street sidewalks trees · Gardens for biodiversity INTEGRTED GREEN STREETS · Central park and green corridors PRIVATE PATIOS CENTRAL PARK · Private patios within housing blocks · More than **2.300 new trees WIND & SUN MANAGEMENT** · 30% of permeable ground The general layout for the new quarter responds to three main Generate protection from North-West winter winds · Incorporate summer breezes from South-East as a cooling resource · Display housing blocks North - South to optimize sunlight conditions **DISTRICT SCALE** - The zig-zag strategy **URBAN BLOCK SCALE - Closed and opened** permeable ground Blocks closed to winter wind Vibrant façades underground water storage water surface pounds Blocks open to summer wind Protected passages A SUSTAINABLE AND RESILIENT QUARTER ... that seeks to be supplied with the energy it produces, incorporating tools for an efficient water management and minimize the effects of increasing temperatures caused by climate change. · Geothermal Heating & Cooling quarter · Optimized typologies · More than **32.500 m²** of **solar** panels public space canopies **ENERGY ELEMENTS** WATER CYCLE MANAGEMENT SPACES AND USES housing roofs and winter gardens ----- NATURAL VENTILATION RE-USE OF RAIN WATER GREEN SHARED ROOFS SOLAR GAIN ELEMENTS ₩ATER RETENTION AND INFLITRATION SHARED RESIDENTIAL SPACES WATER STORAGE COMMERCIAL USES GEOTHERMAL HEATING & COOLING DISTRICT ---- VOLUME GUIDELINE URBAN SECTION A-A' e: 1/500 SUN FILTERS 1 11 1 / 12.00 -30.00 -14.00 **PRIVATE HOUSING** INTEGRATED INTEGRATED HOUSING **PRIVATE** HOUSING **GARDEN FOR** PATIO **GREEN STREET GREEN STREET** PATIO **BIODIVERSITY** 

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**INTEGRATED GREEN STREETS** 

within a 5 minutes walk



**NEW HIRSCHSTETTNER HAUPTALLEE** 

within a 10 minutes walk

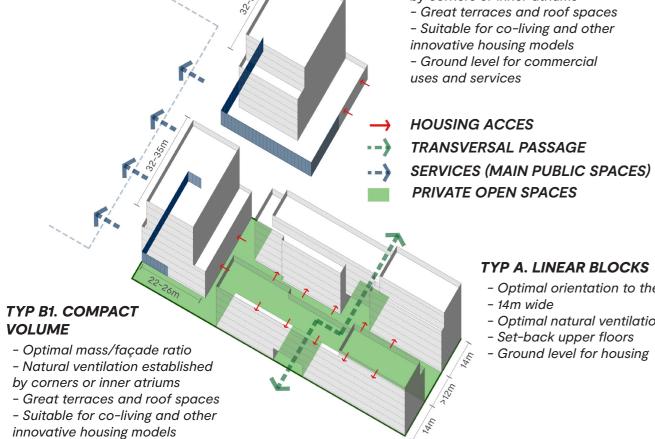


THE CENTRAL PARK within a 15 minutes walk

with social and ecological values

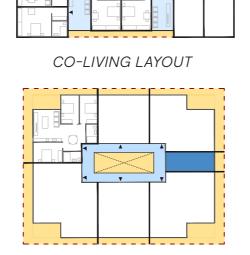


- Natural ventilation established by corners or inner atriums - Great terraces and roof spaces **COMPACT VOLUMES** - Suitable for co-living and other



- Ground level for housing or commercial uses and services TYP A. LINEAR BLOCKS - Optimal orientation to the south - Optimal natural ventilation

- Optimal mass/façade ratio



CENTRAL CIRCULATION

DIVIDED CIRCULATION

**LINEAR VOLUMES** 

SHARED CIRCULATION

A: Linear blocks ■ B1: Compact volumes ■ B2: Compact + podium Public facility

**VOLUME LIMITS** FLEXIBLE AND ADAPTABLE LAYOUT **CO-LIVING AND SHARED SPACES CLIMATE CONTROL SPACES HOUSING UNITS DIVISION** 

# **ASPERN NORD**

### from an accumulation of elements to a permeable space

Centrality is not only expressed by intensity and mixed uses, but also by the quality of the open and public spaces they generate. The proposal seeks to turn what now is an infrastructural solution into a welcoming square opened towards the



HOUSING

TRAM AVENUE

MIXED USE VOLUMES UNDEGROUND WATER RETENTION SOLAR CANOPY UPPER LEVEL ACCESSES STREET PASSAGE COMMERCIAL GROUND LEVEL WELCOME SQUARE URBAN CONTINUITY INTEGRATED BUS AREA

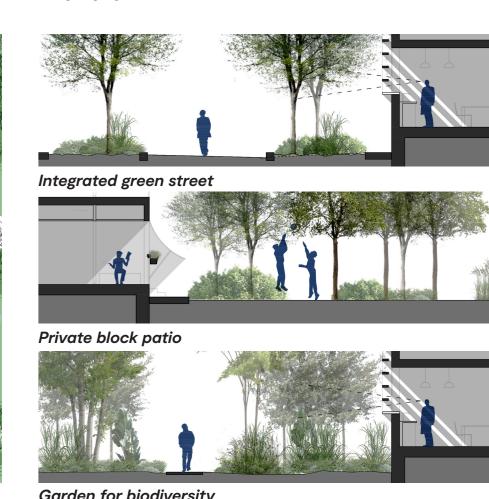
## - TWO FOCAL POINTS -

### **RESIDENTIAL USE AND TRANSITIONS**

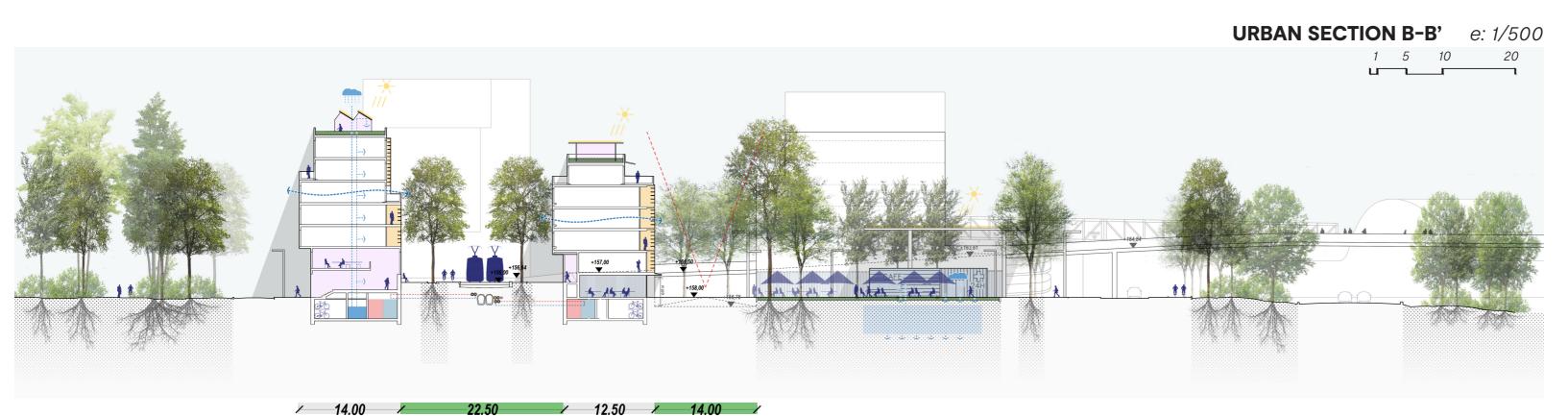
a system of thresholds at ground floor level

The transition spaces between the public and the private domain is achieved through the concept of thresholds, which establishes a transition space where desirable privacy is accomplished by two simple elements: micro-topographical control and green filters, that avoid introducing segregative elements, such as fences or barriers.





Garden for biodiversity



INTEGRATED

**GREEN STREET** 

HOUSING

### **HEIGHT AND DENSITY DISTRIBUTION**

