

Lahti

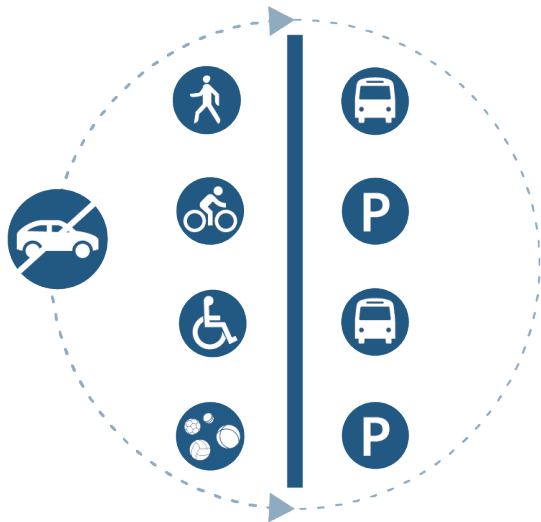
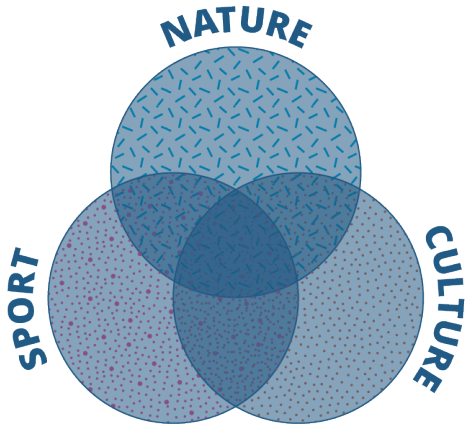
Lahti sport center

Strategic study

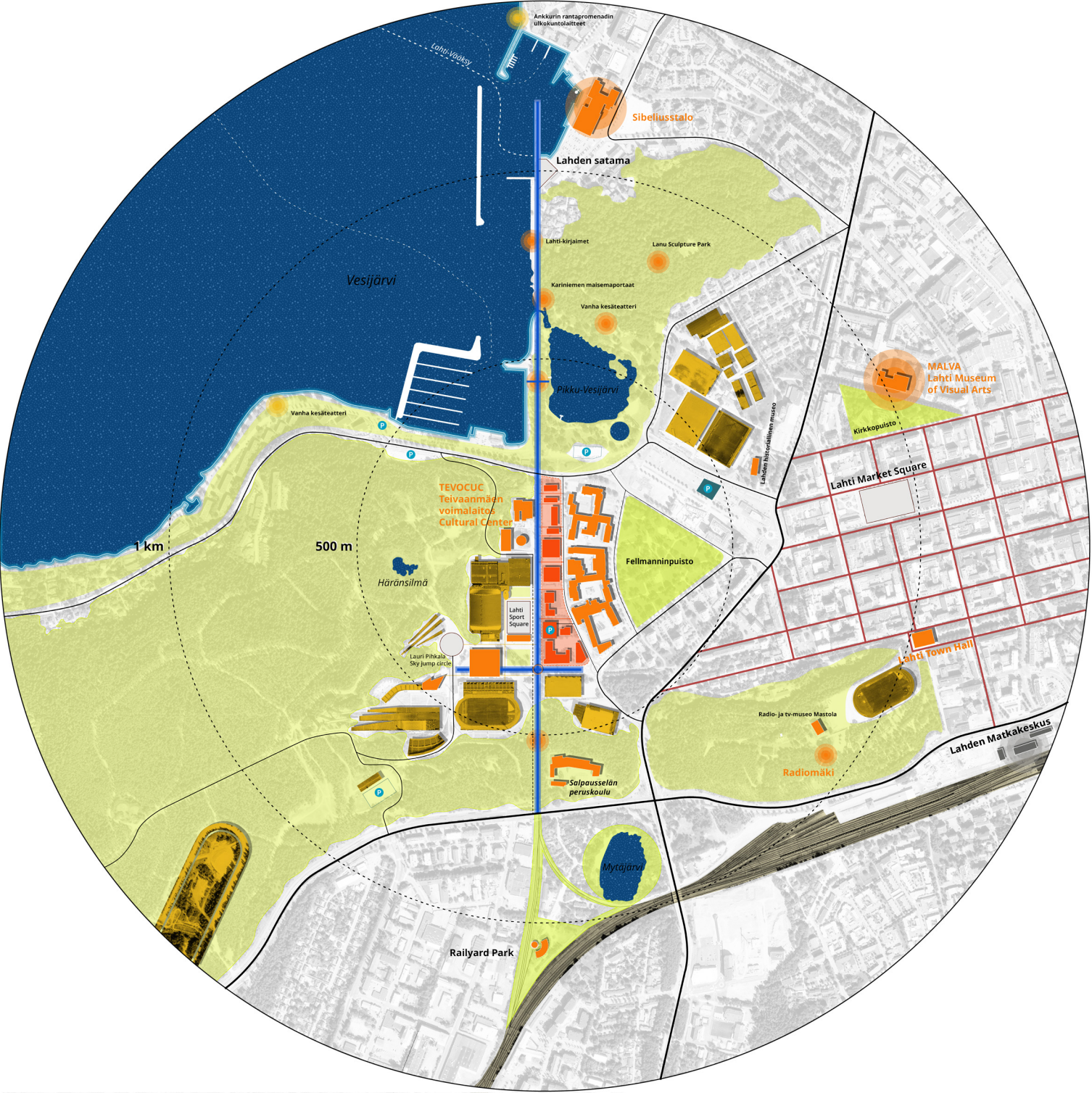


BLU

Vision Principles



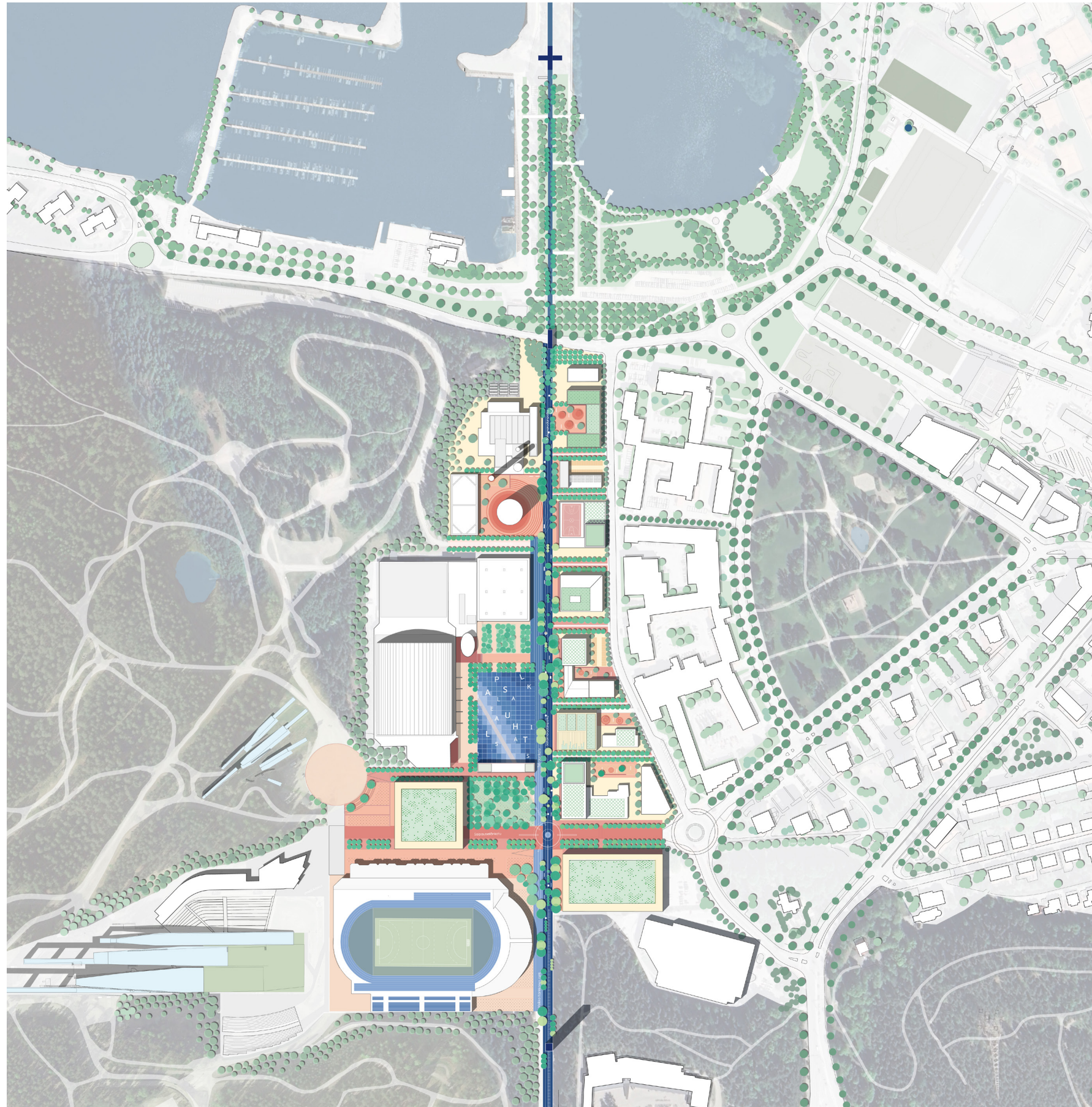
Vision Urban scale



Process Timeline

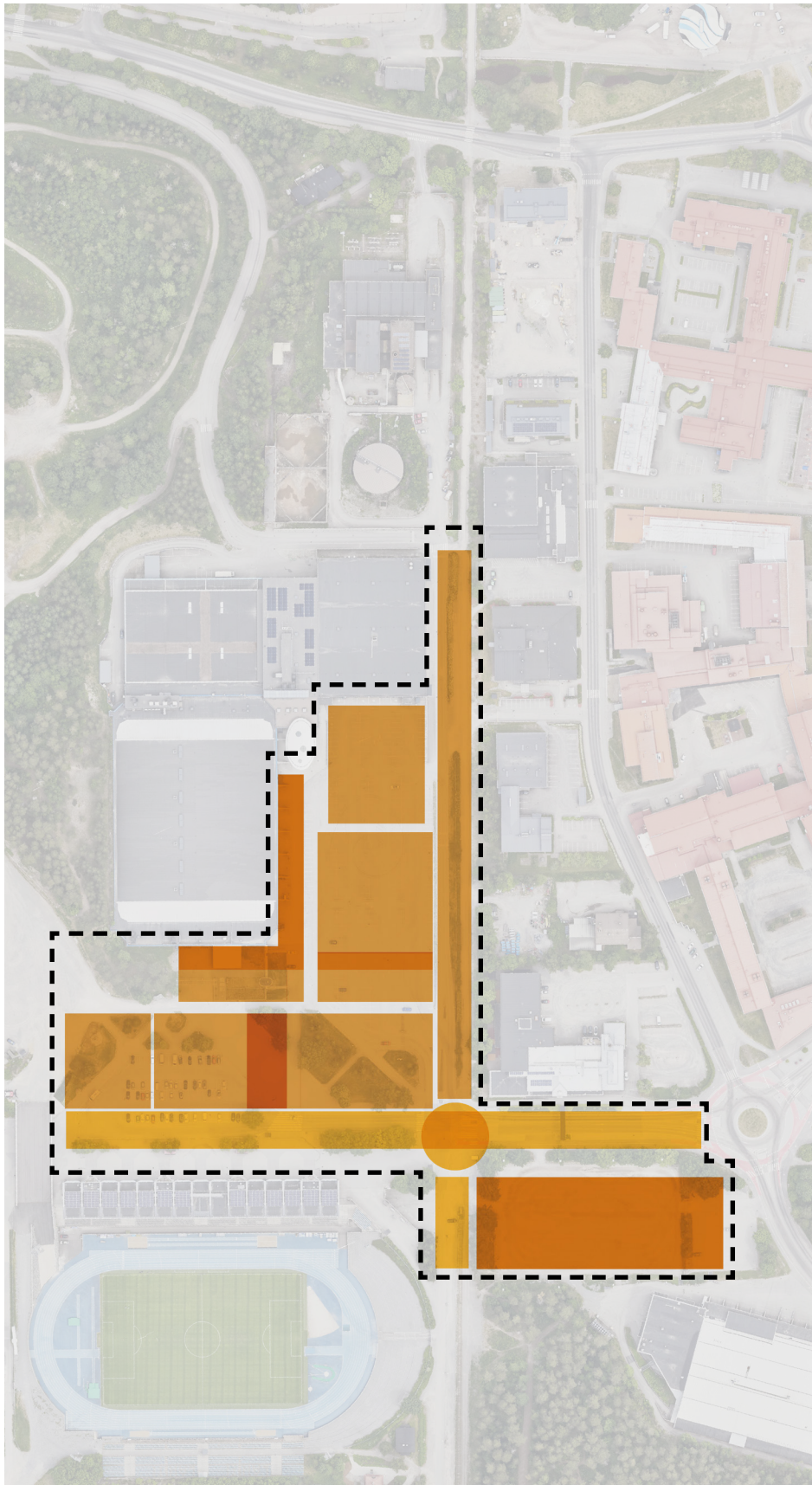


Masterplan Competition phase

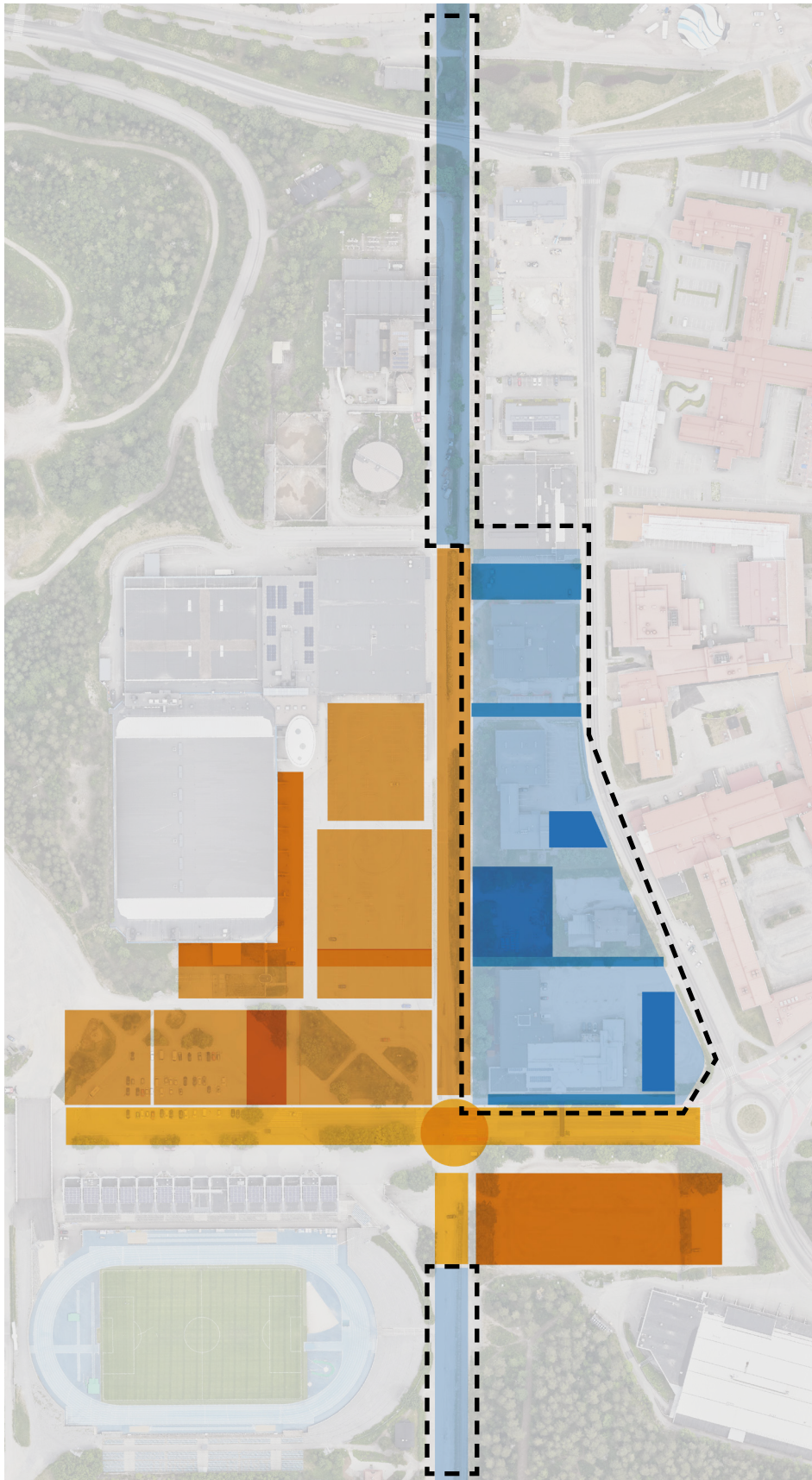


Phasing

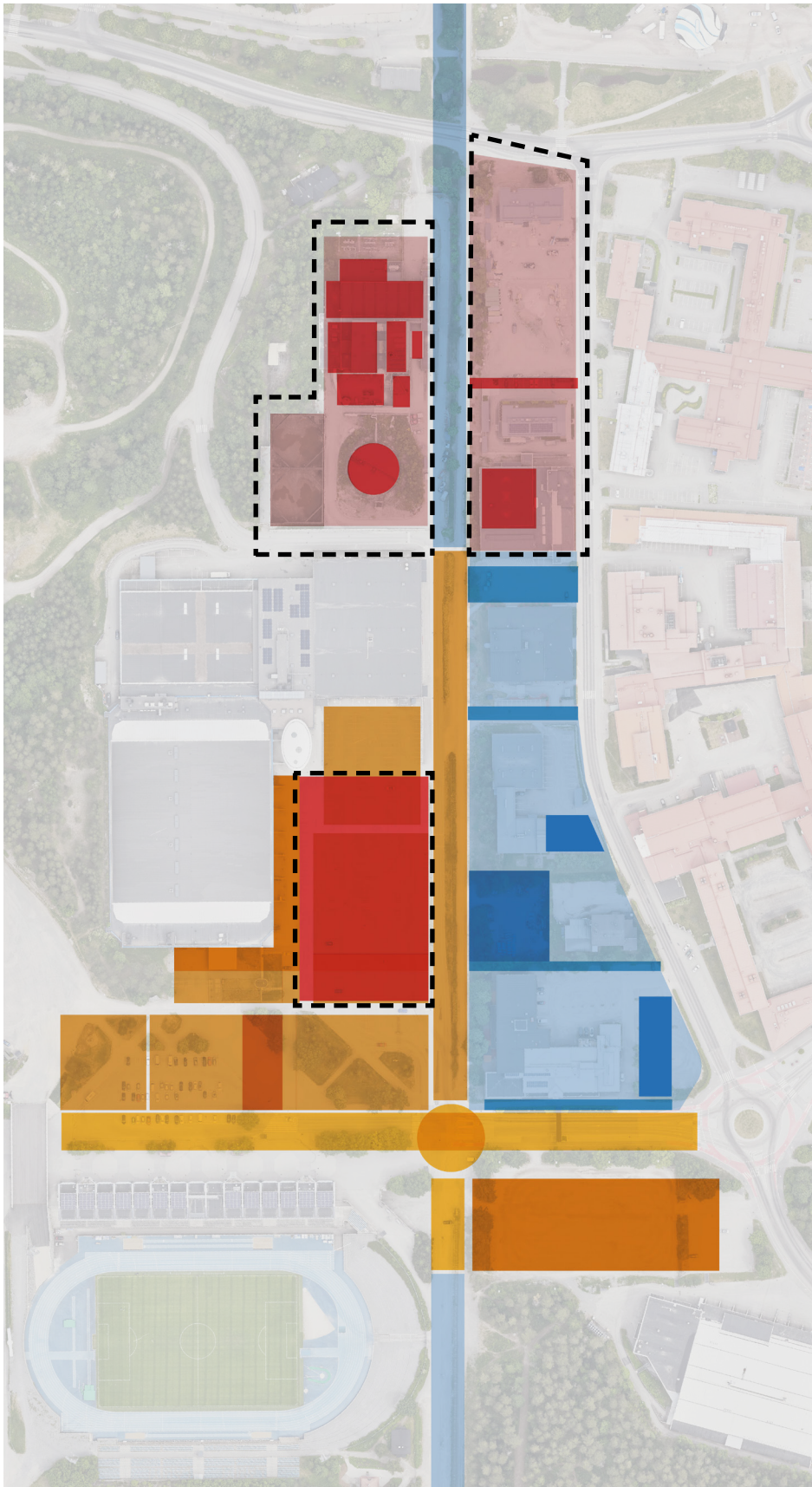
Phasing Masterplan



Phase 01 2025-2029

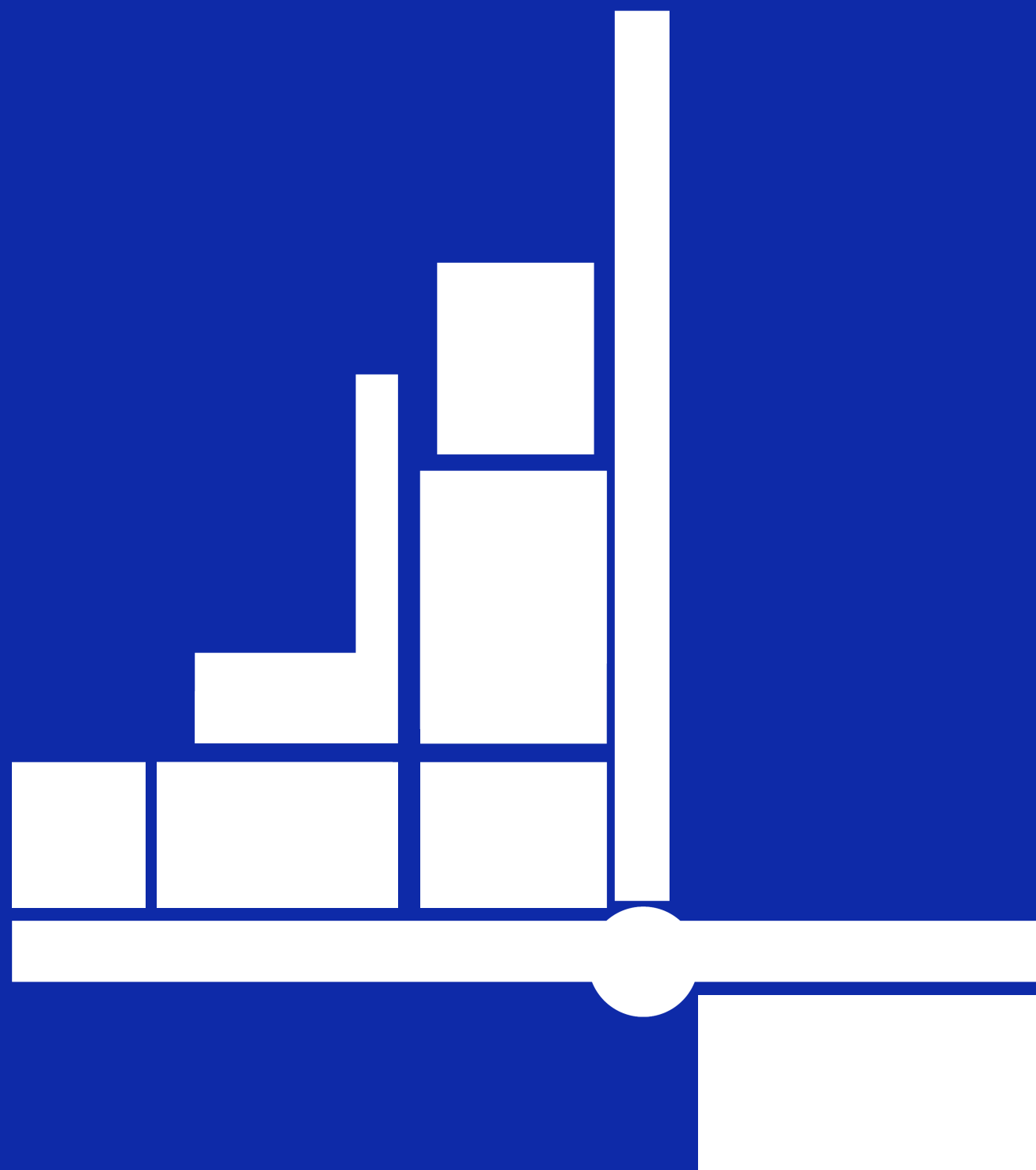


Phase 02 2029-2035

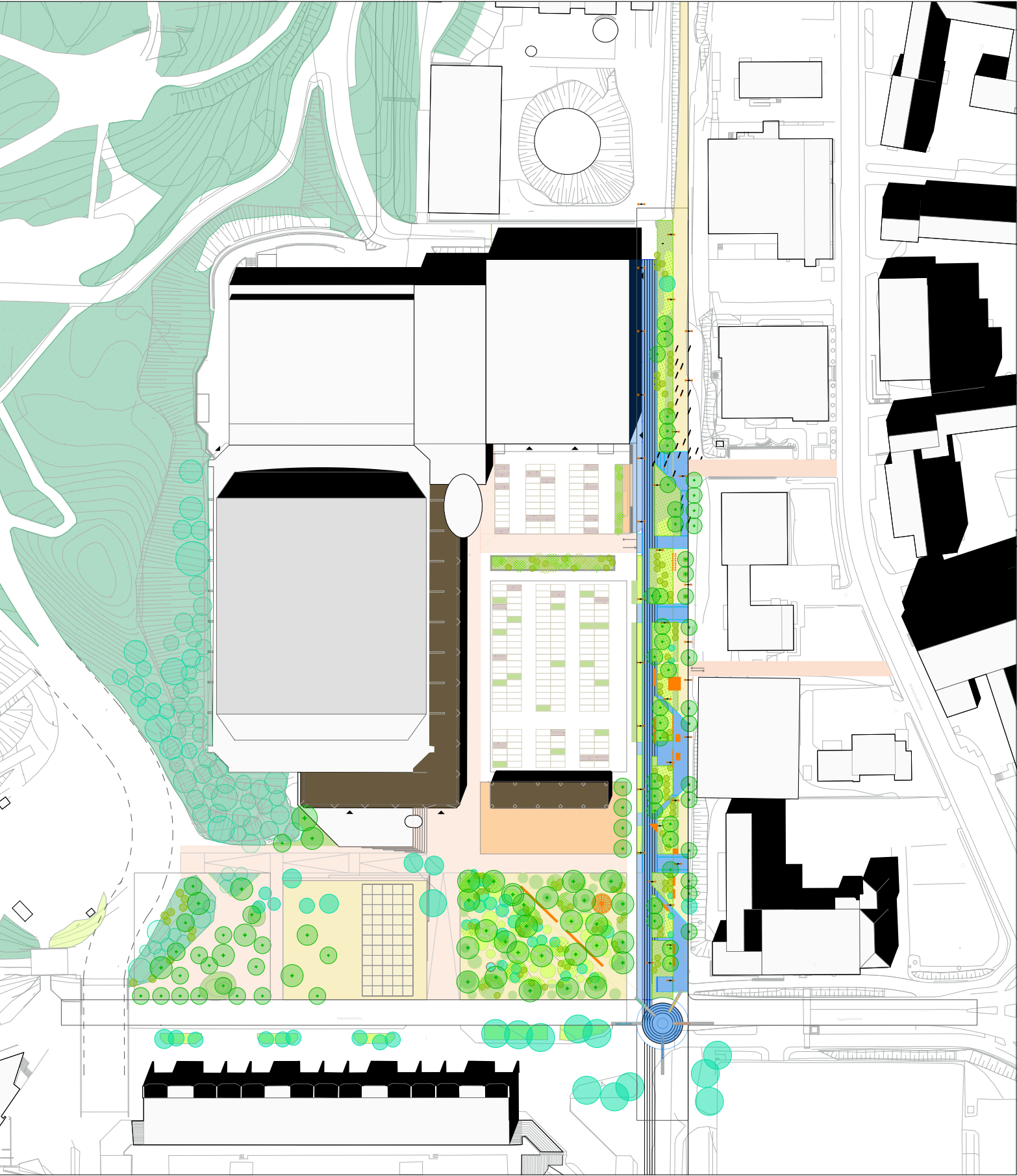


Phase 03 2035-2050

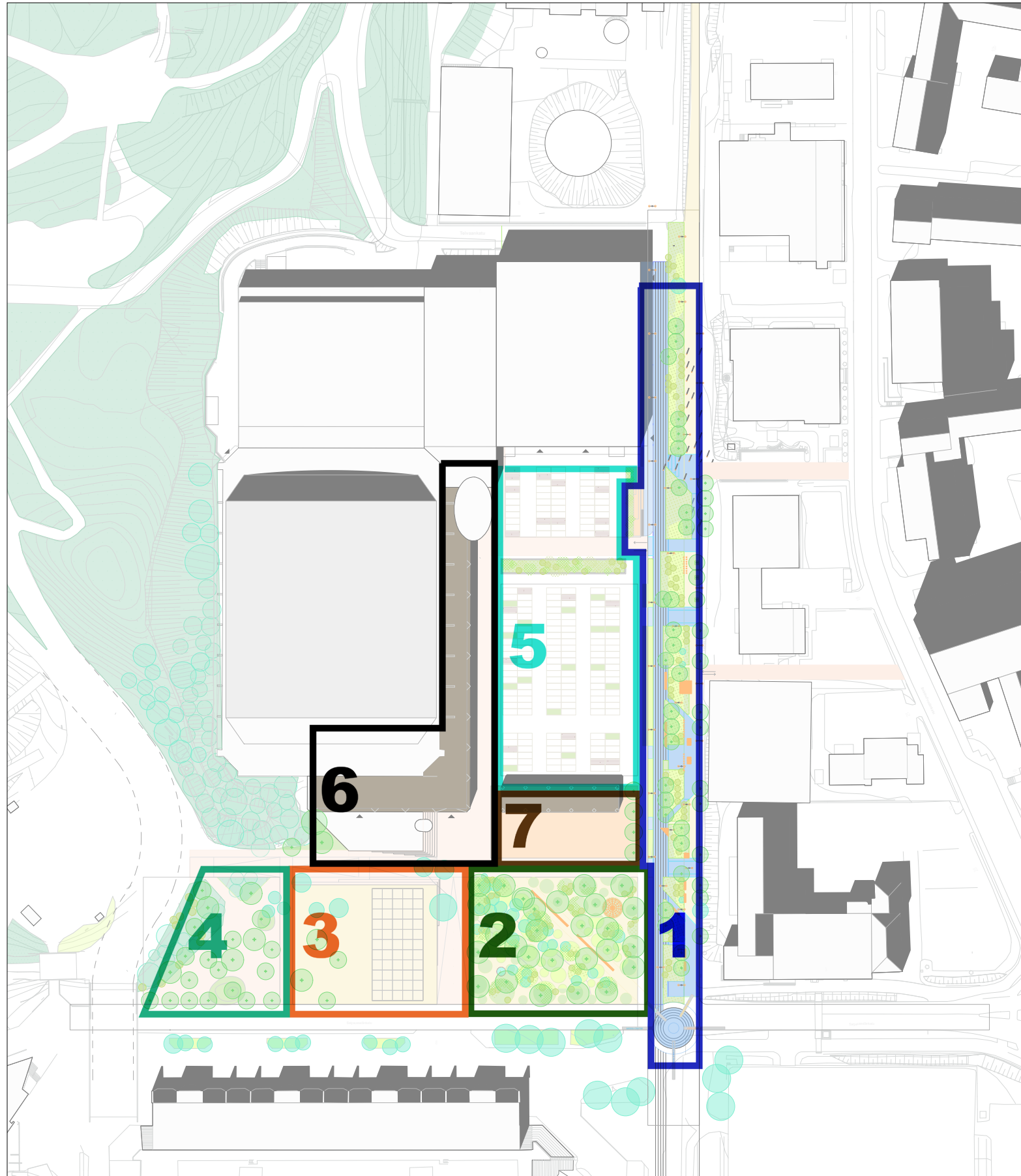
Phase 01



Phase 01 Masterplan



Phase 01 Key areas (2025-2029)



1. First stretch of Linear Park + New Circular Gate
2. Micro-forest
3. Media Center area
4. Forest buffer
5. Temporary square
6. L-shape New entrance of Suurhalli
7. Infopoint pavillion

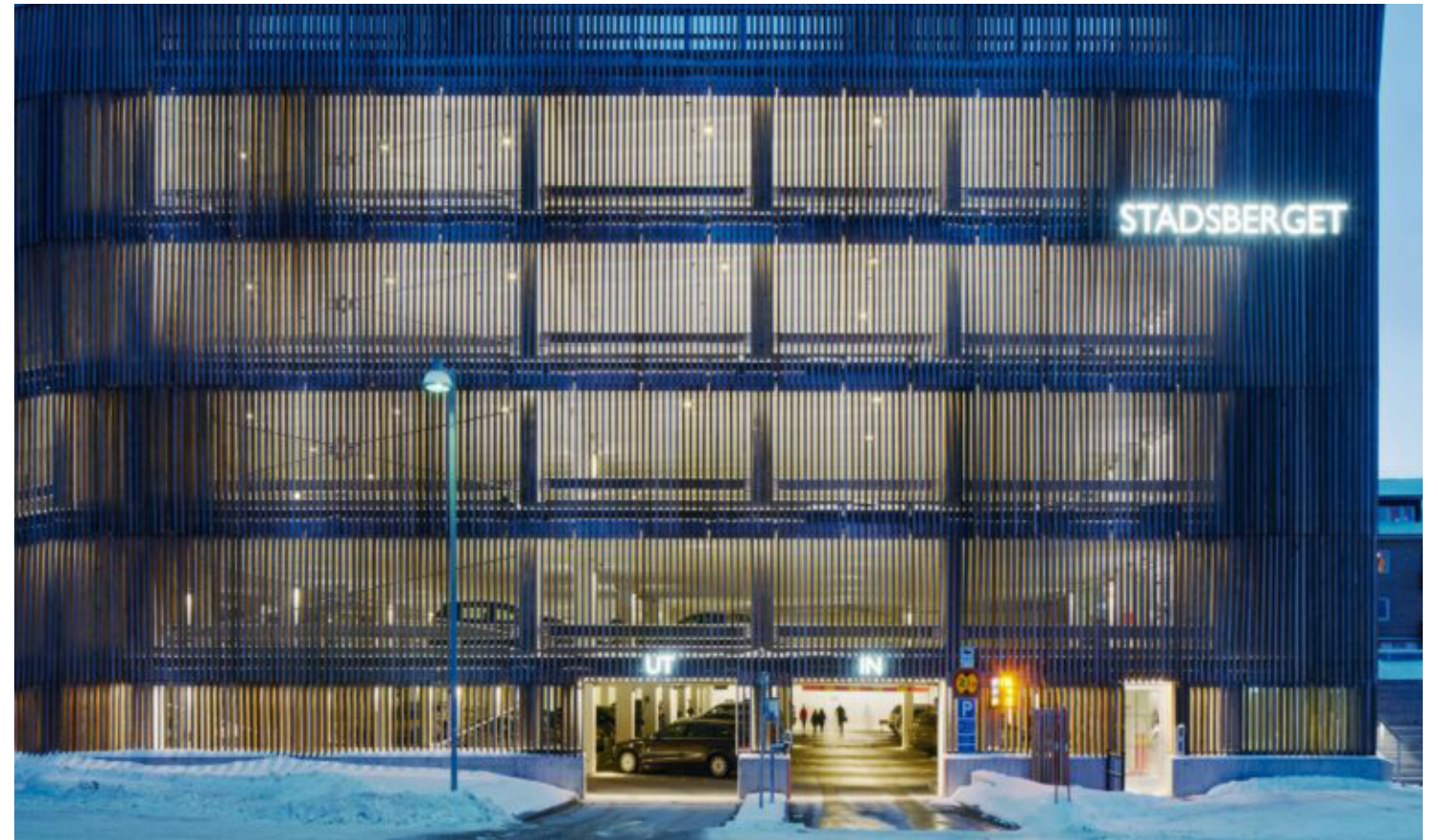


Active Trajectories Aerial image

Parking Multistorey

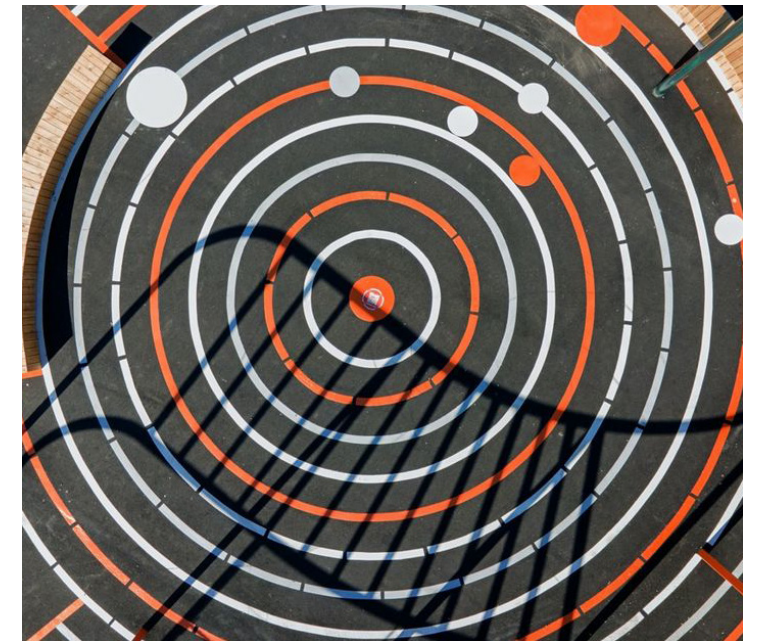
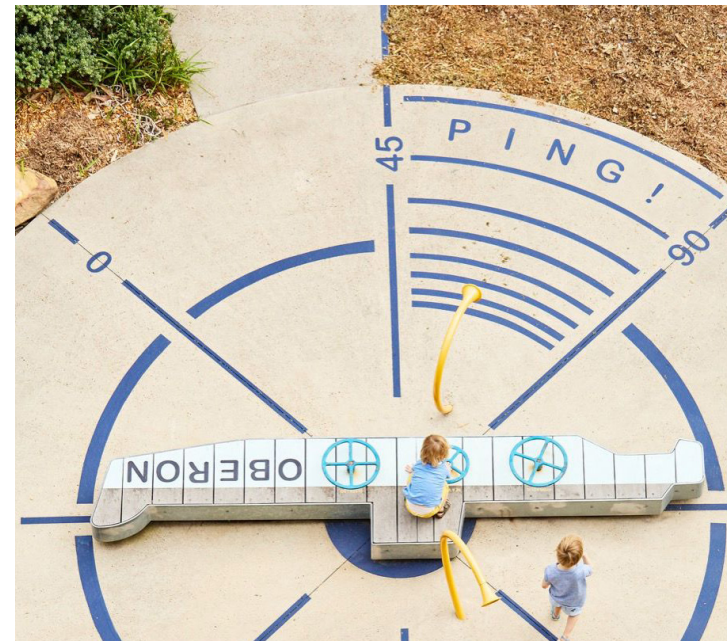
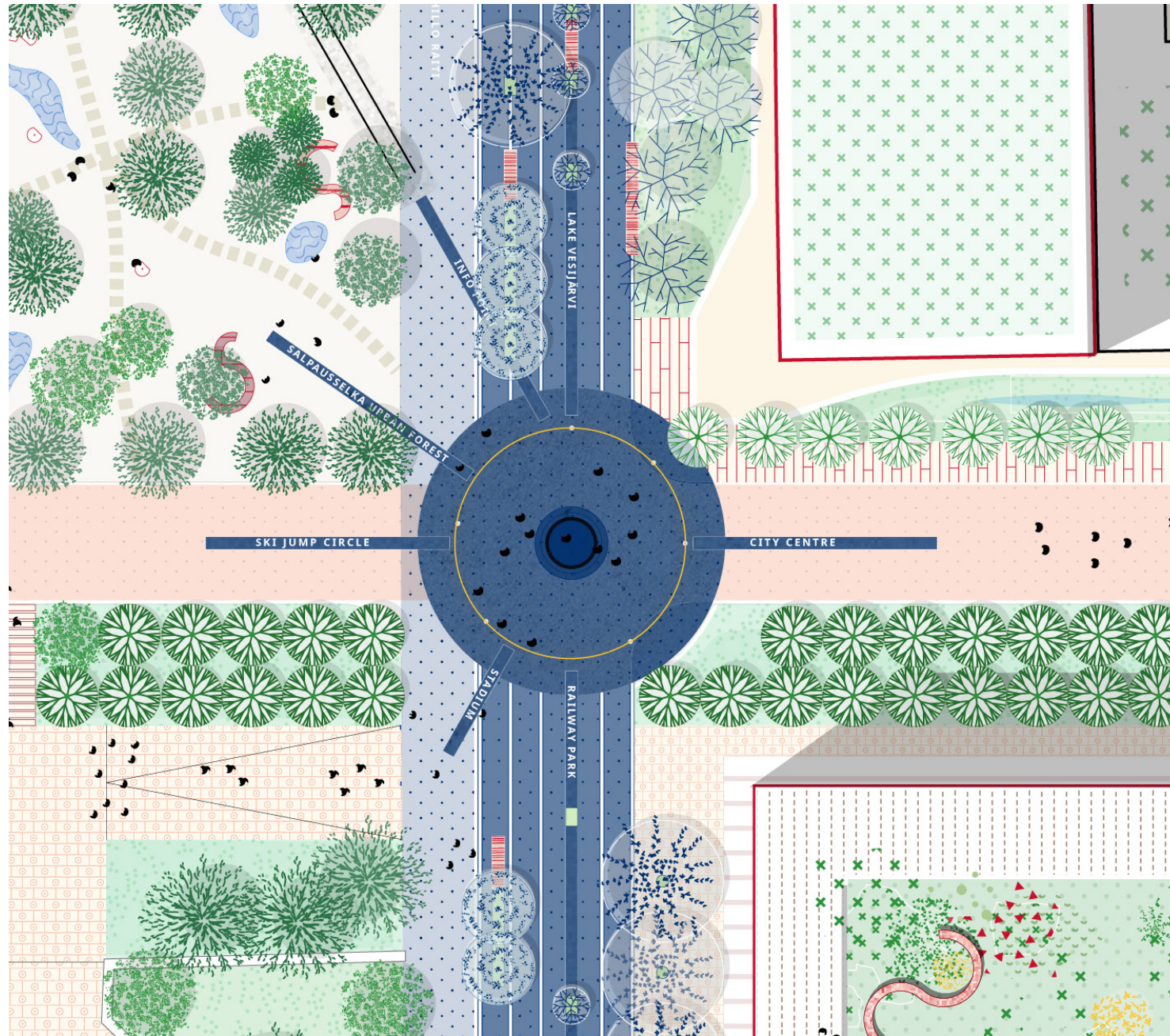


White Arkitekter Stadsberget, Piteå, Sweden



New circular gate + First stretch of Linear Park

New circular gate Wayfinding devices



New circular gate References



1:1 Landskab Aps The Glowing Circle, Copenhagen, Denmark



AFA Mega-swing, Moscow, Russia

New circular gate Visual



New circular gate Visuals

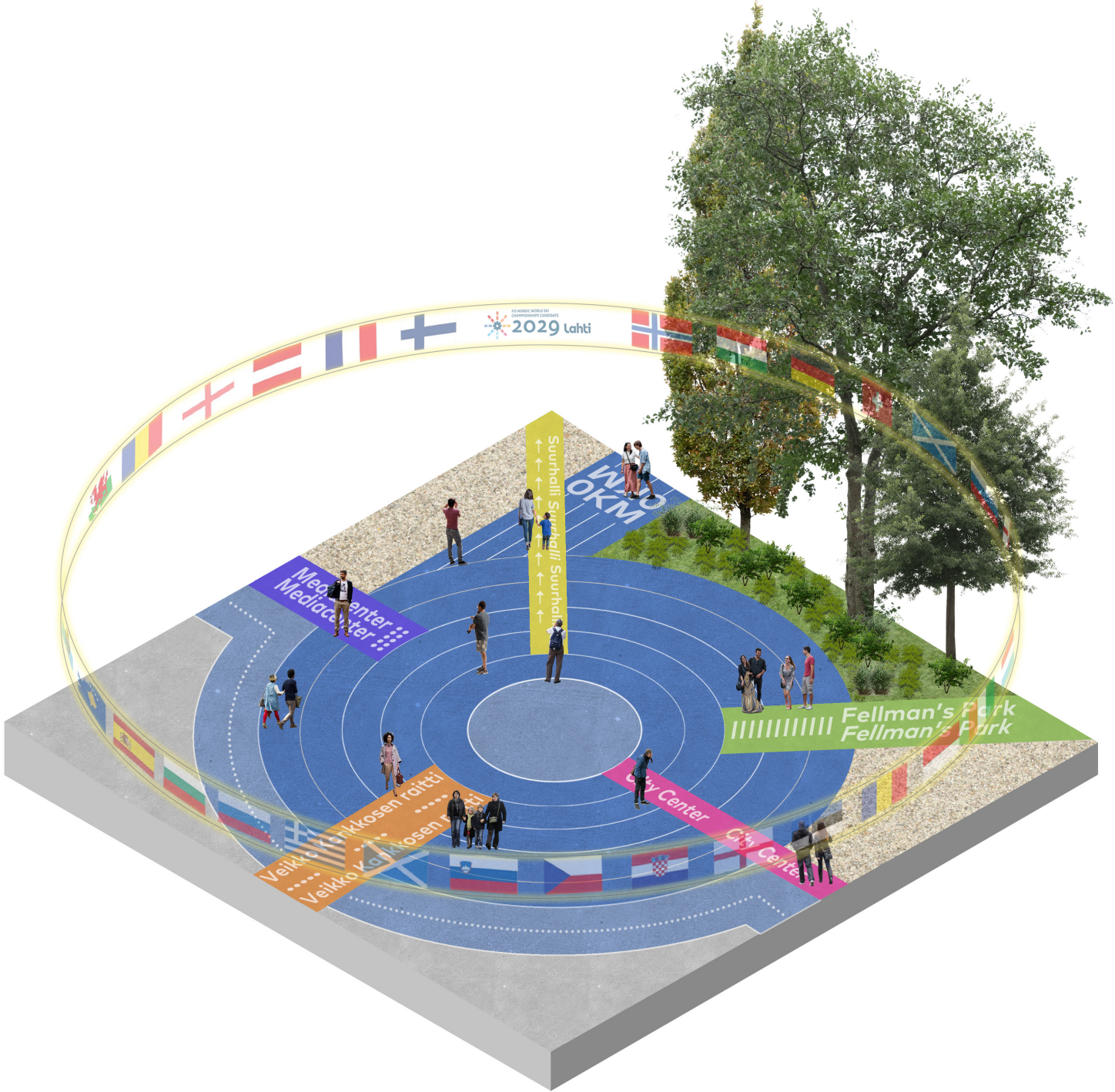


Circular gate Summer nighttime



Circular gate Summer daytime

New circular gate Axonometric fragment

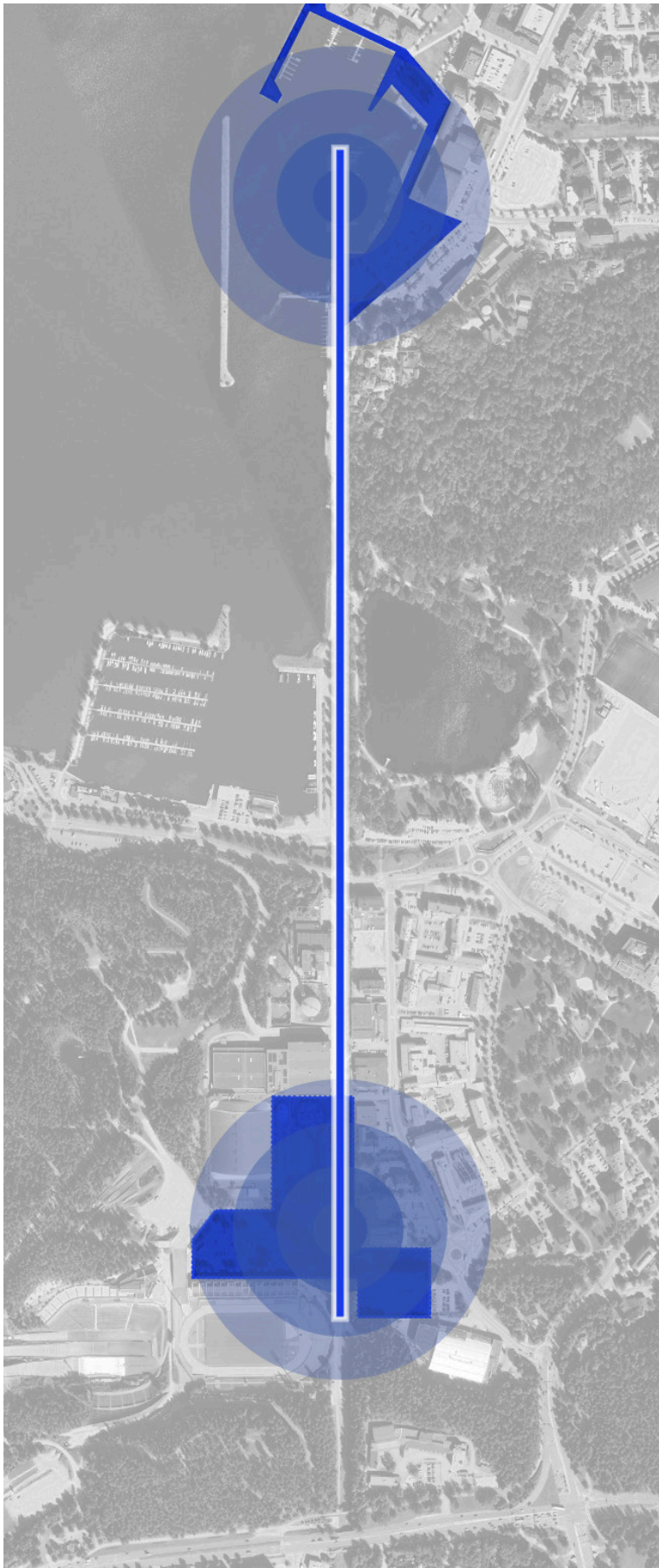


New circular gate Axonometric fragment



First stretch of Linear park

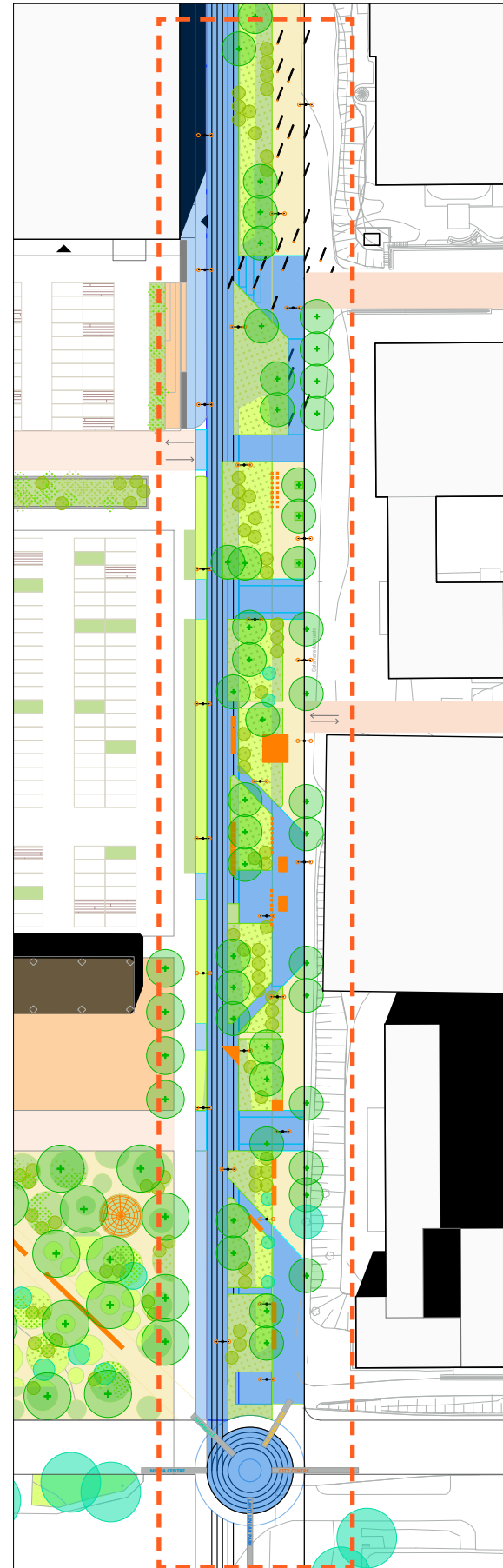
Linear park Vision



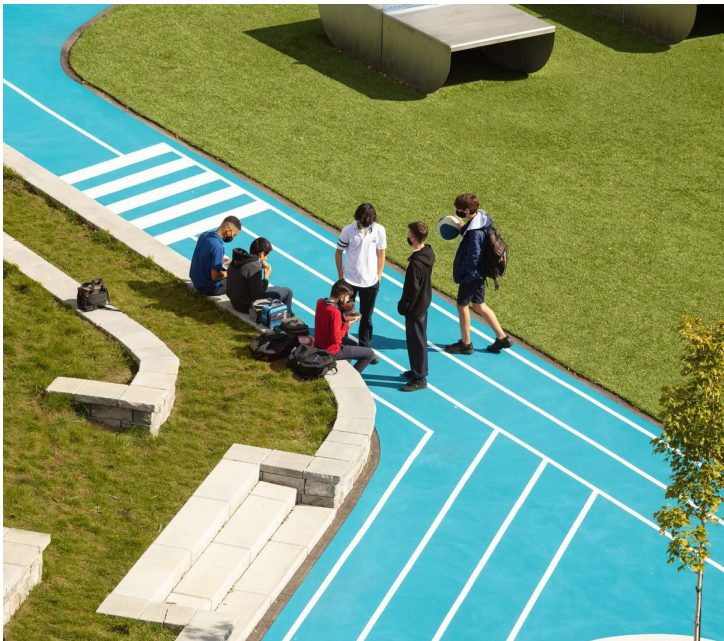
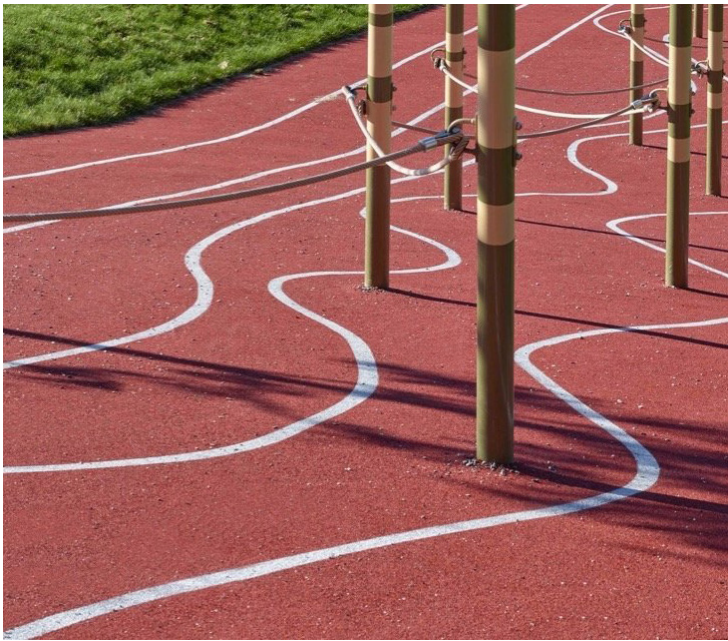
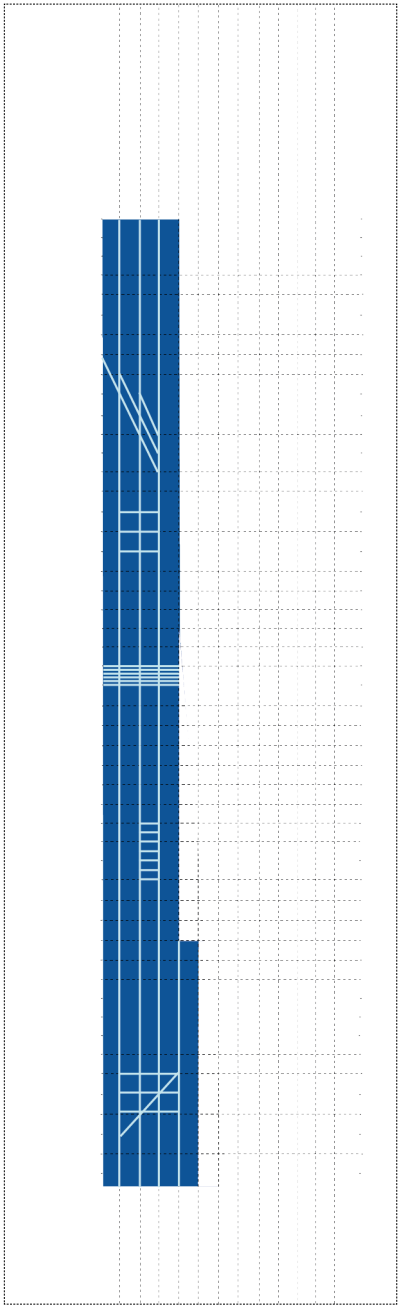
Waterfront

Lahti Sport center

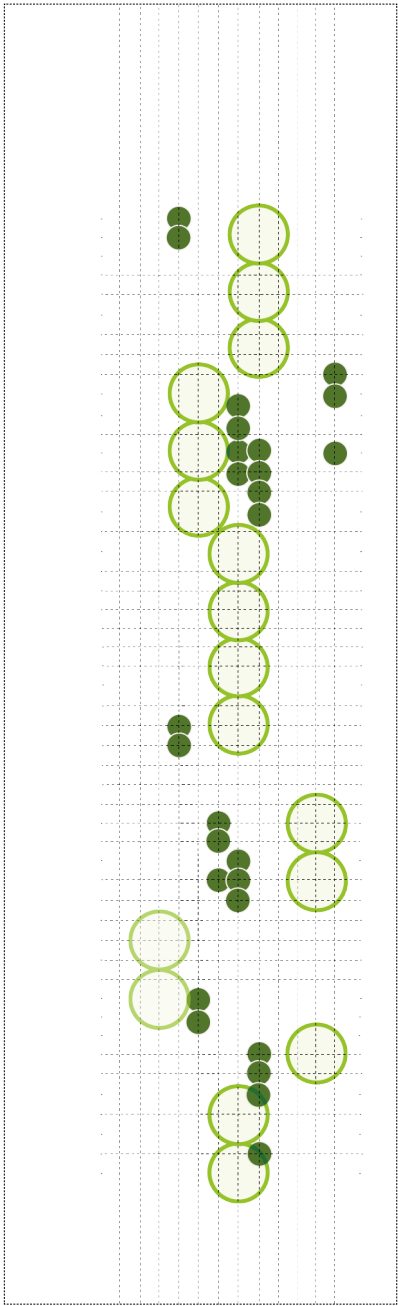
New temporary square Plan (*Phase 01*)



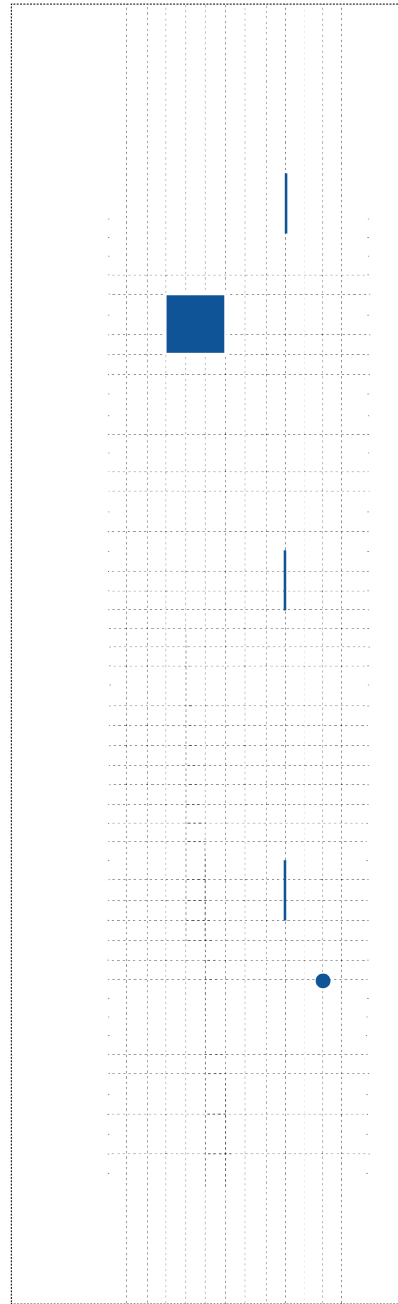
Linear park Surface



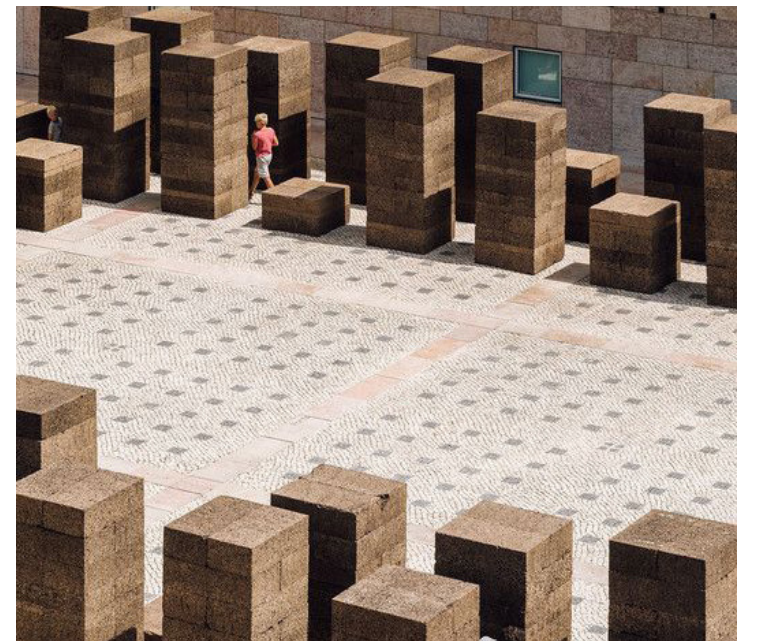
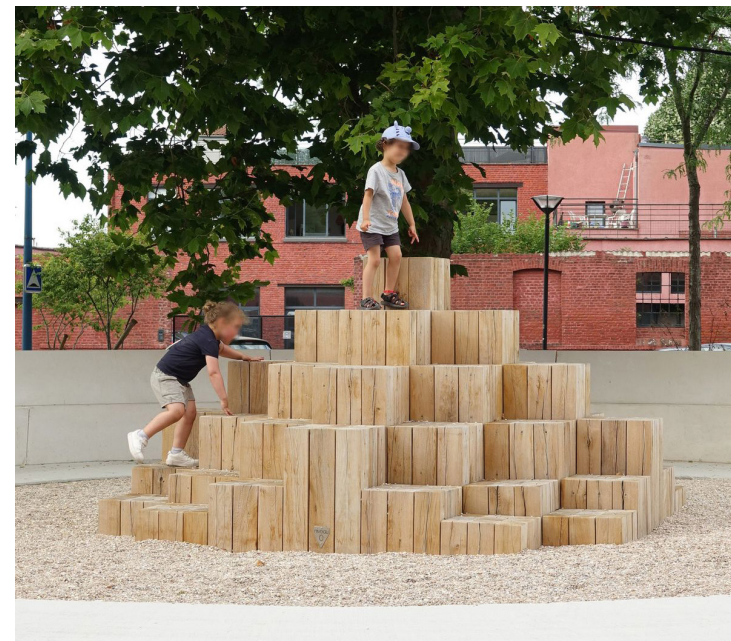
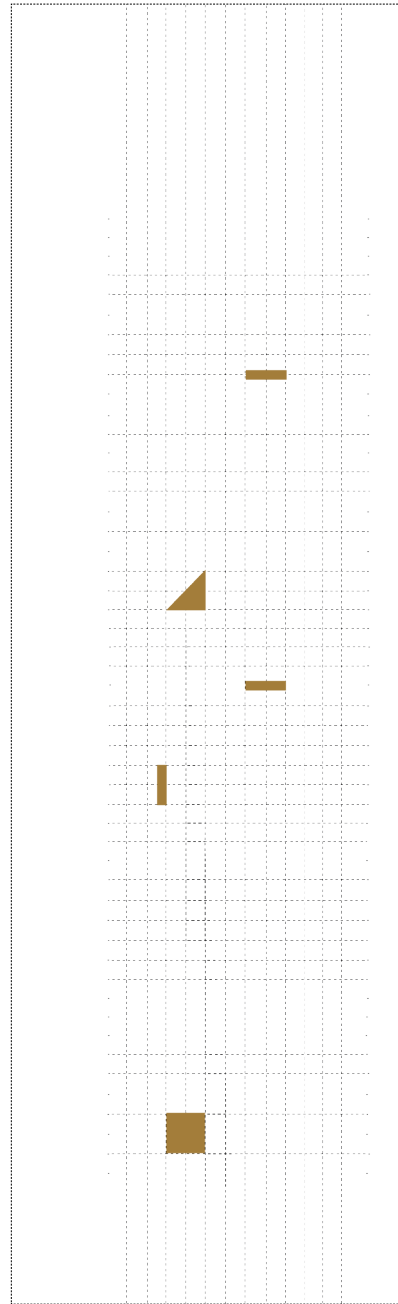
Linear park Ecology



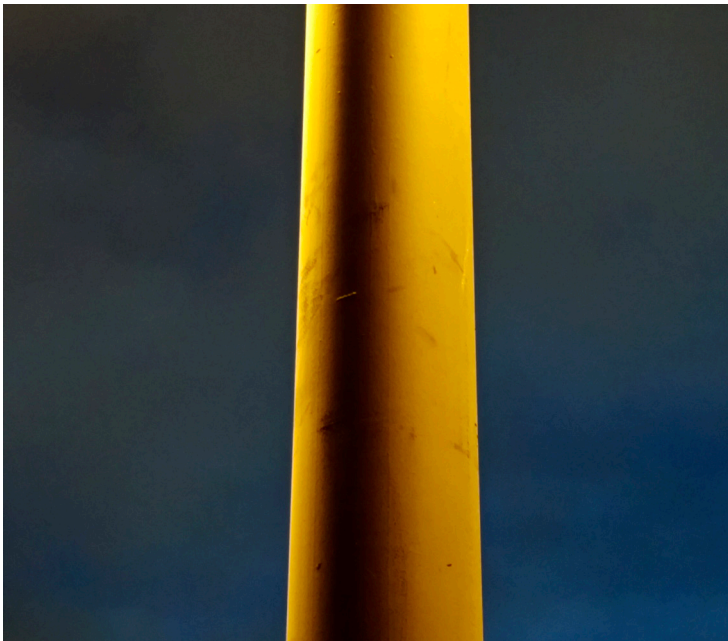
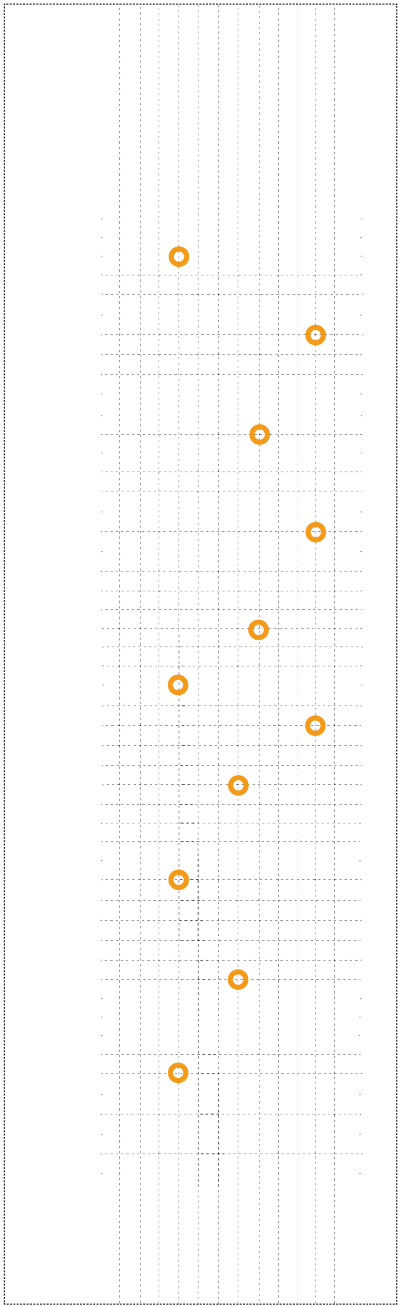
Linear park Urban furniture



Linear park Movable urban furniture



Linear park Lighting



Linear park Program



Running track



Ping pong tables



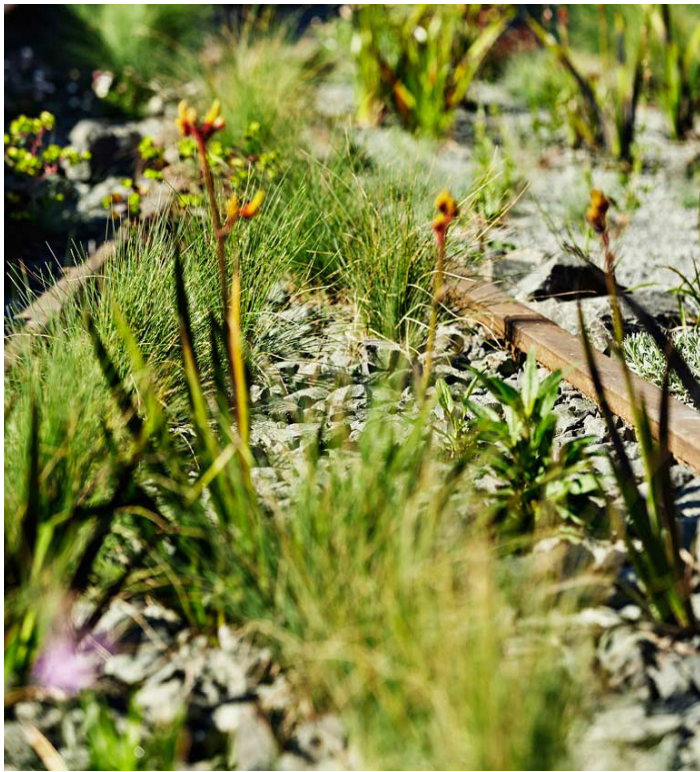
Playgrounds



Gathering areas



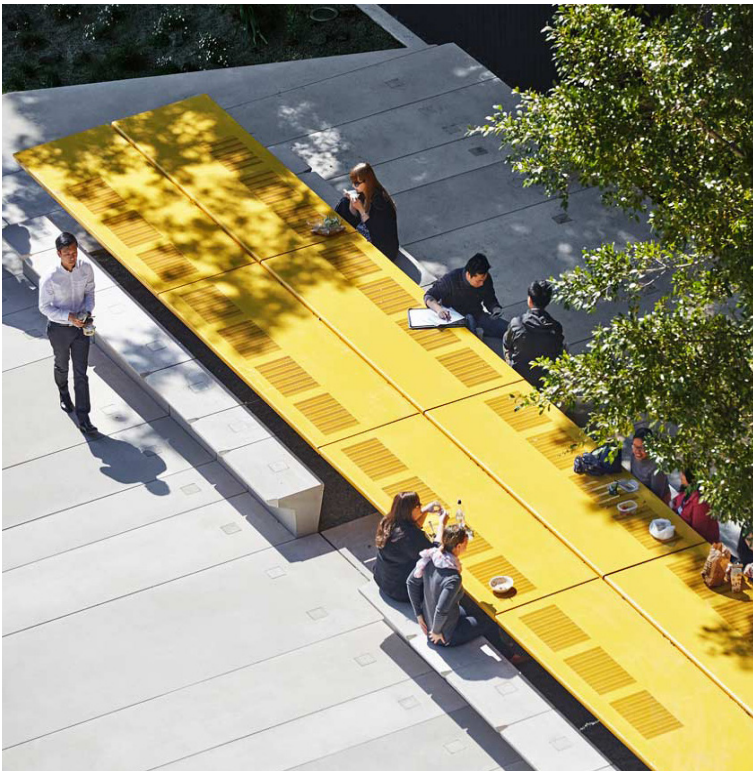
Outdoor gym



Nature



Sitting areas



Community tables

Linear park Visuals



Linear park Visuals



Linear park Winter nighttime



Linear park Fall daytime

Linear Park Axonometric fragment



Linear Park Axonometric fragment



Linear Park Axonometric fragment



Micro-forest

Micro-forest Plan

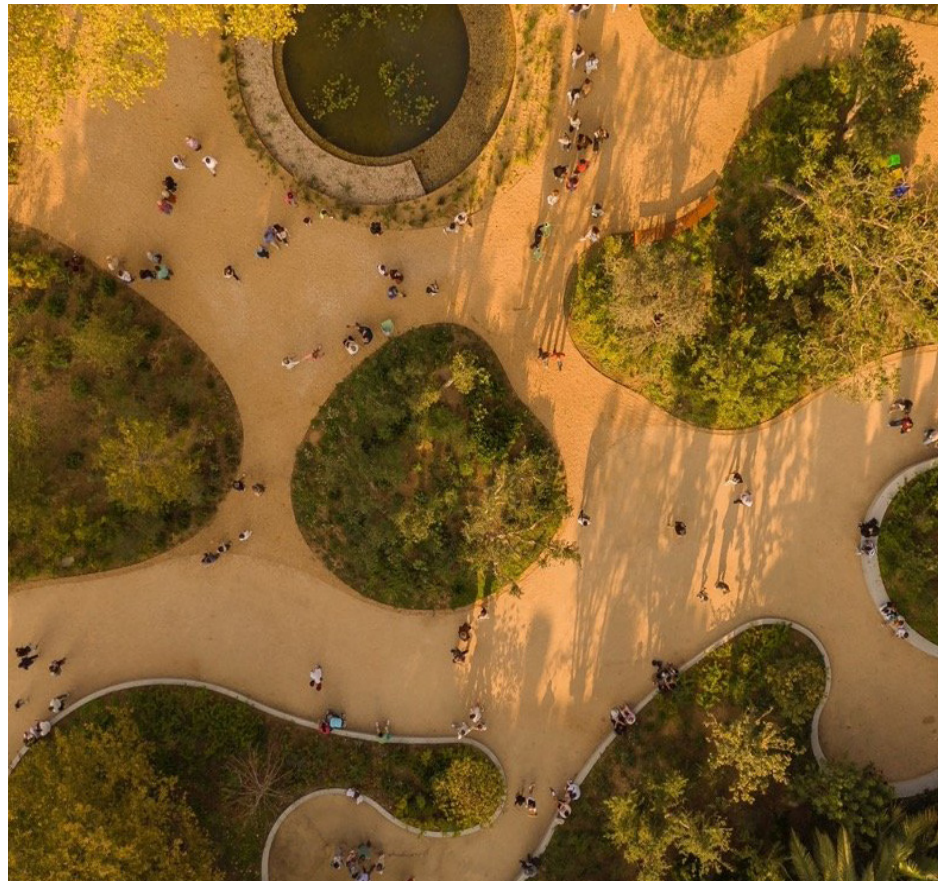


Plan Phase 01

Micro-forest Concept



Dense forest



Continuous circulation



Diagonals

Micro-forest References



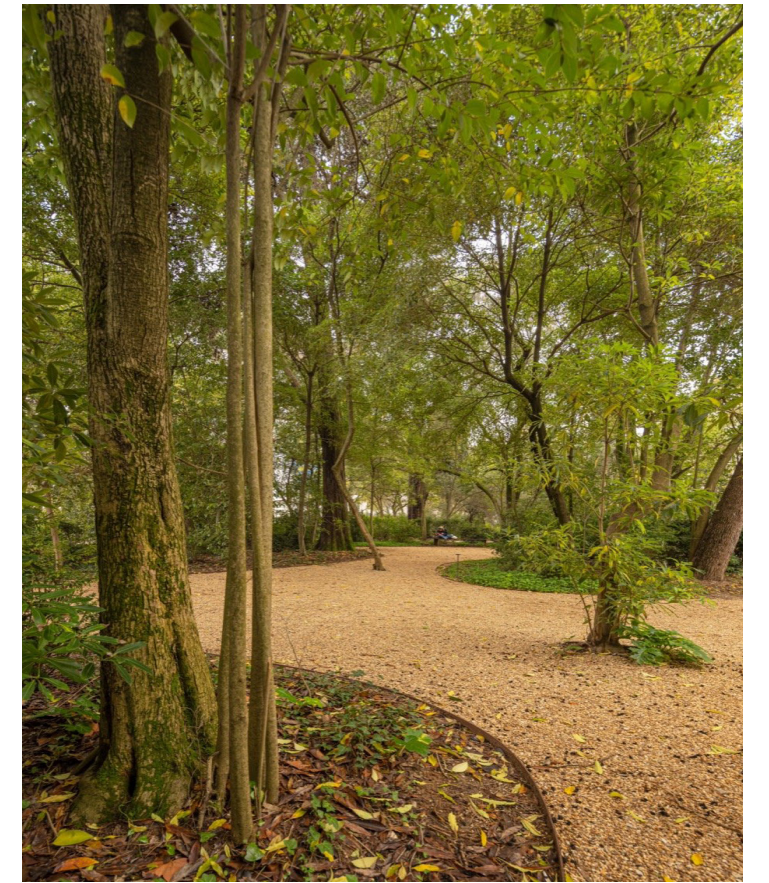
Mineral identity Natural stones



Water Performative water management



Sitting element Long bench reinforcing diagonals



Permeable circulation Meandering paths

Micro-forest Axonometric fragment



Micro-forest Axonometric fragment

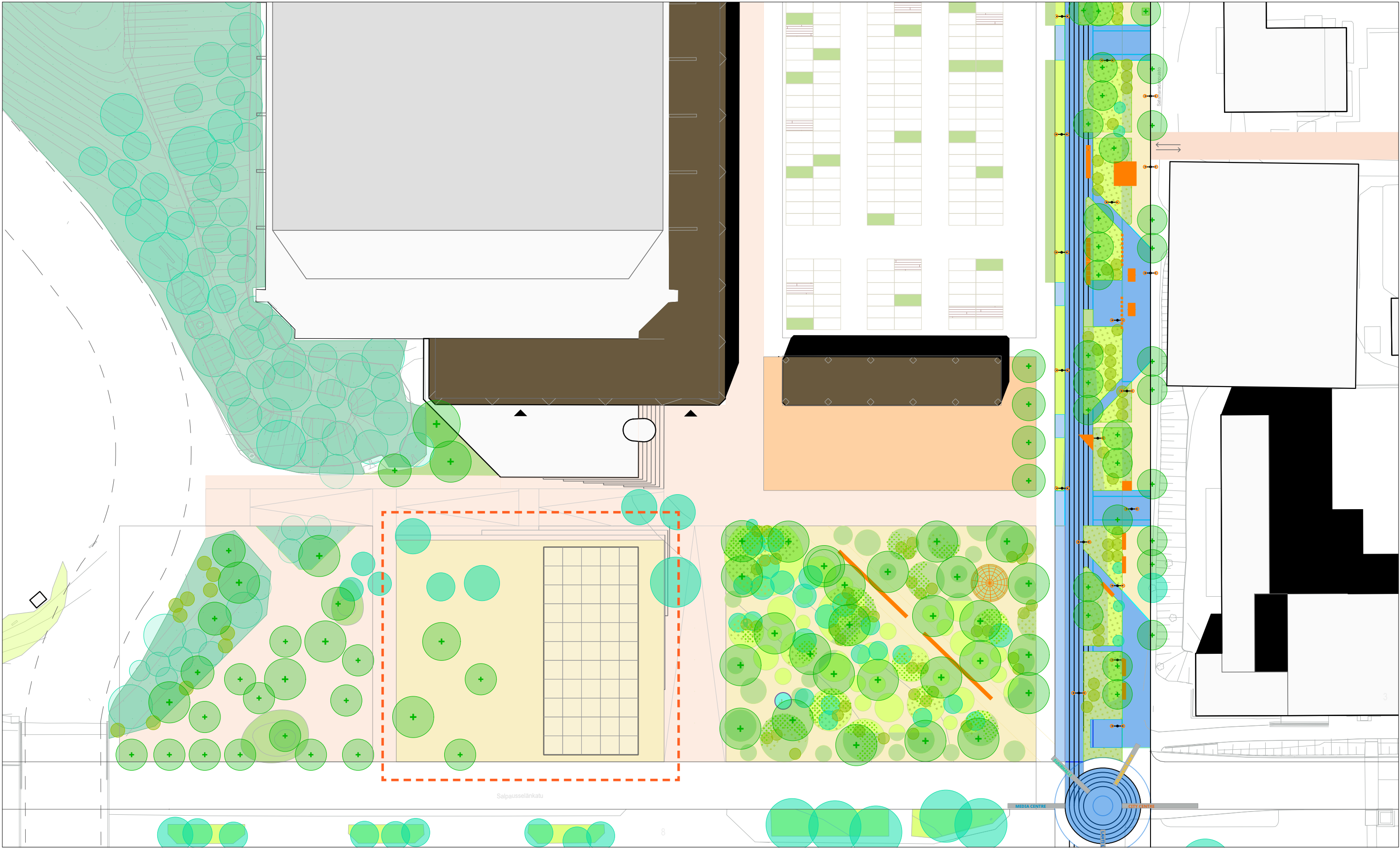


Micro-forest Axonometric fragment



Media center area

Media center Masterplan



Media center Options

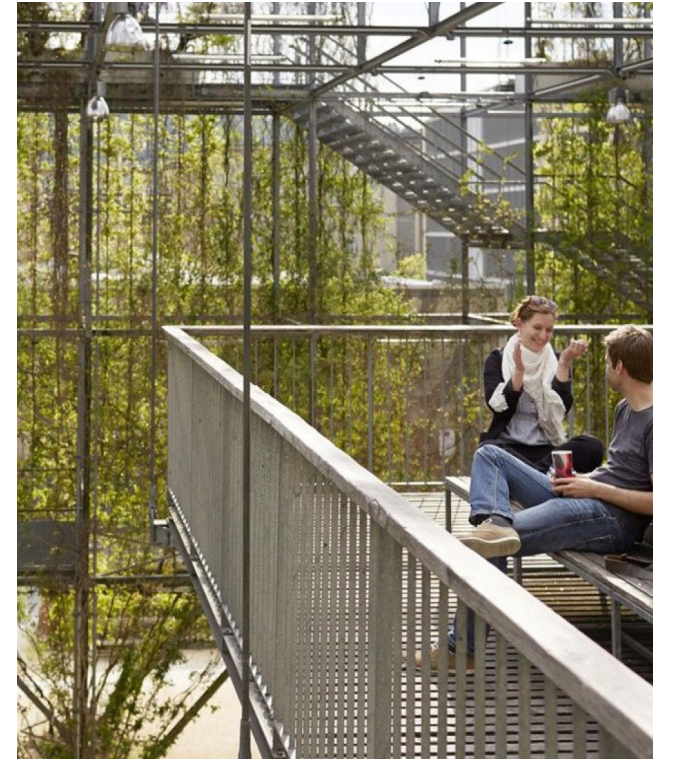


Pavillion typology



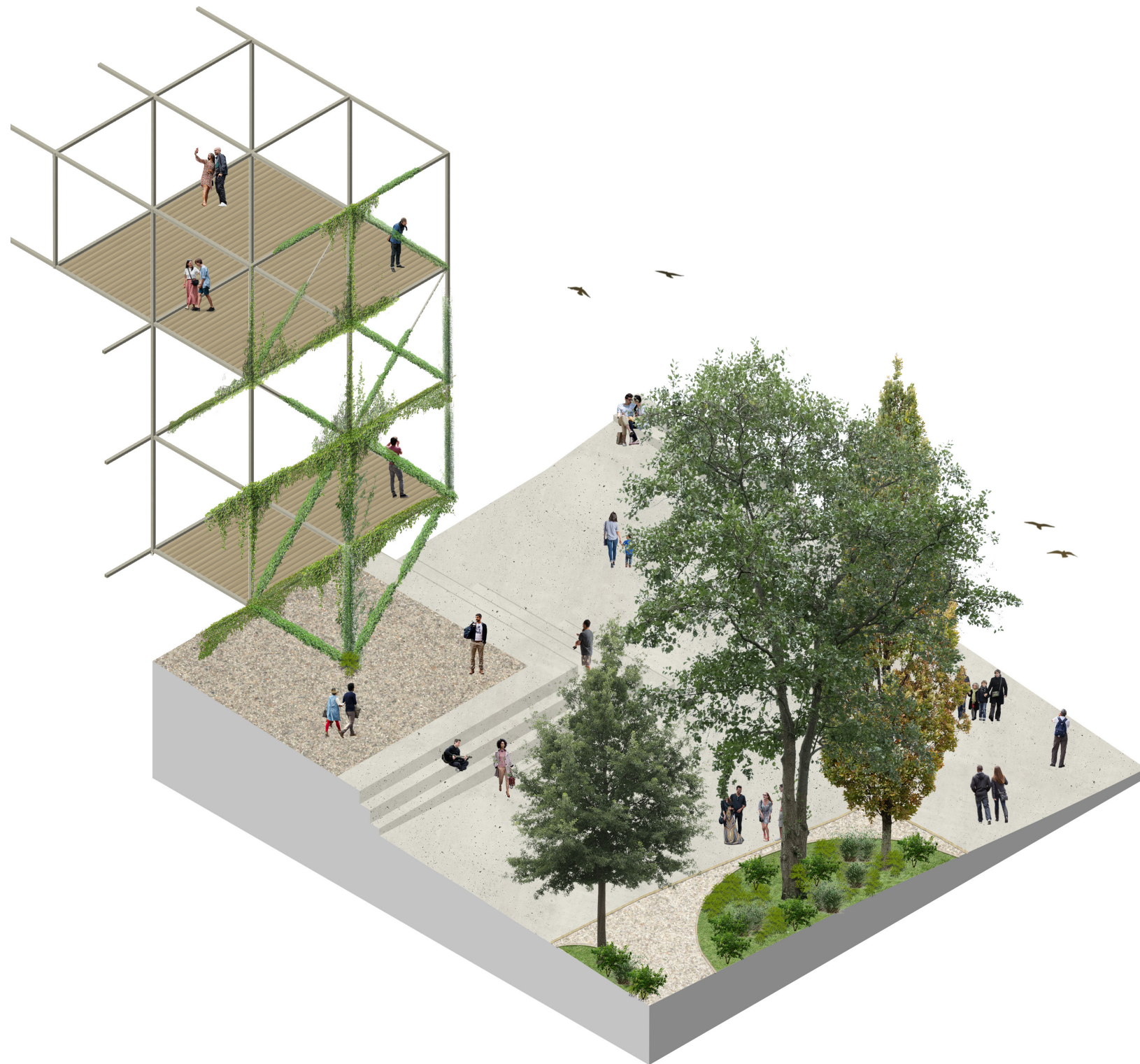
Tower typology

Media center References



Burckhardt + Partner MFO Park, Zurich, Switzerland

Media center Axonometric fragment

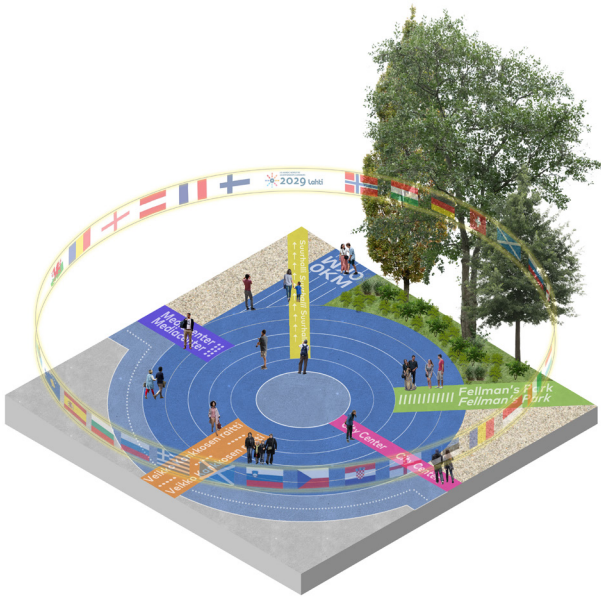


Media center Axonometric fragment



The 3 Key areas of Phase 01

Phase 01 Key areas



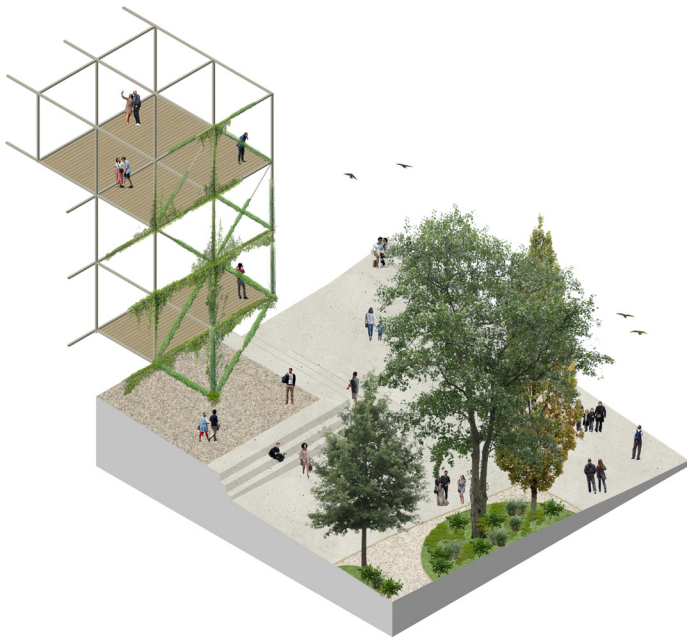
Circular gate



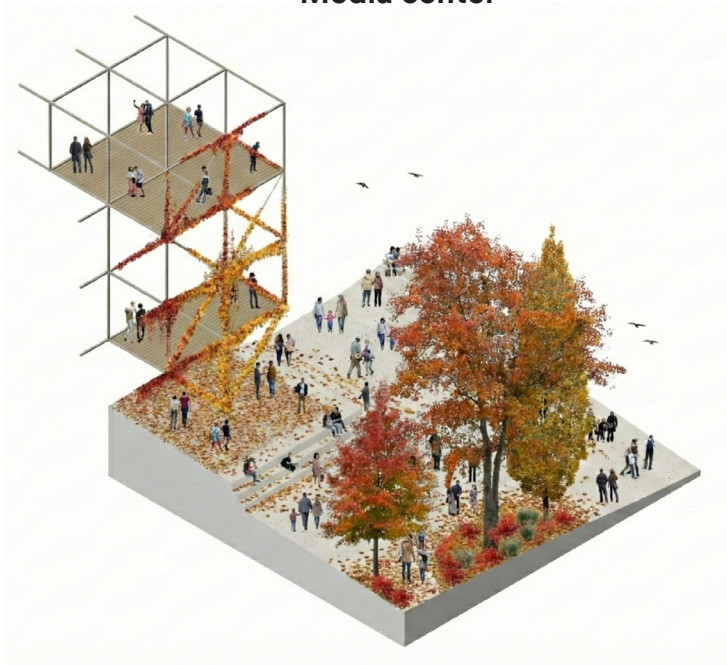
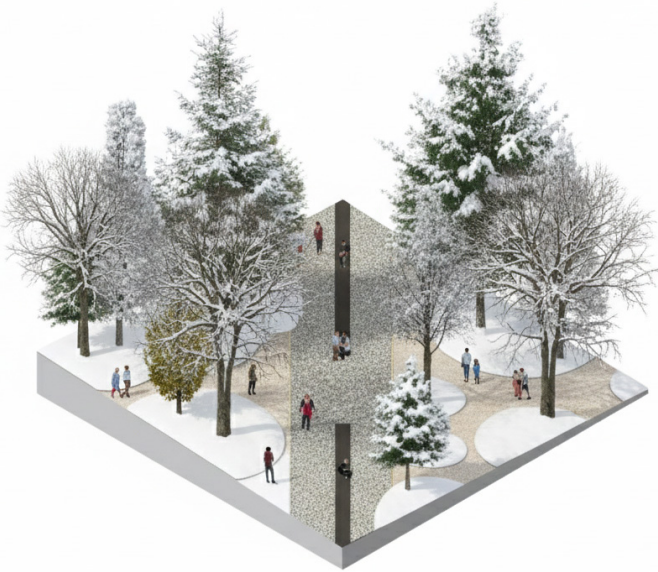
Linear park



Micro-forest

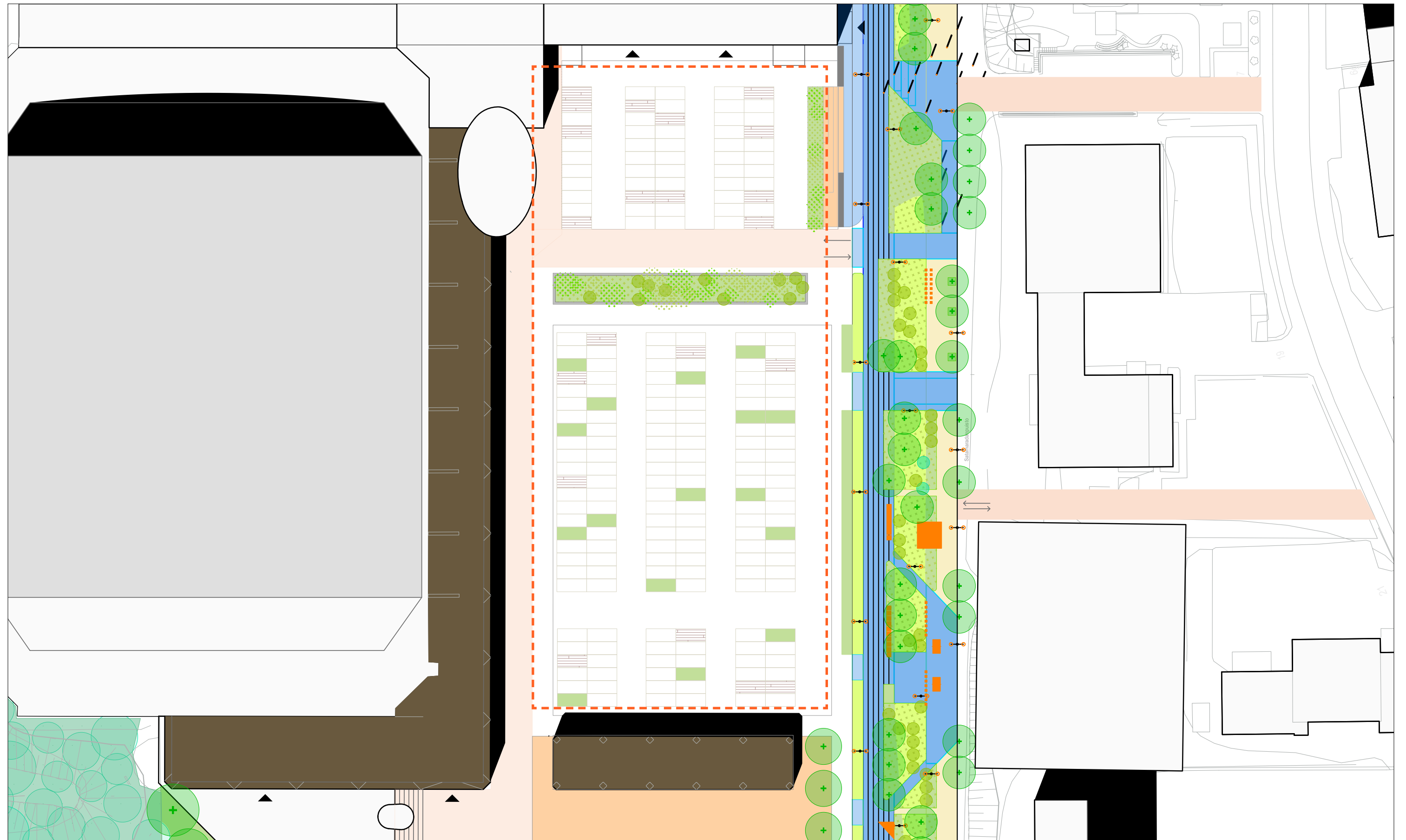


Media center

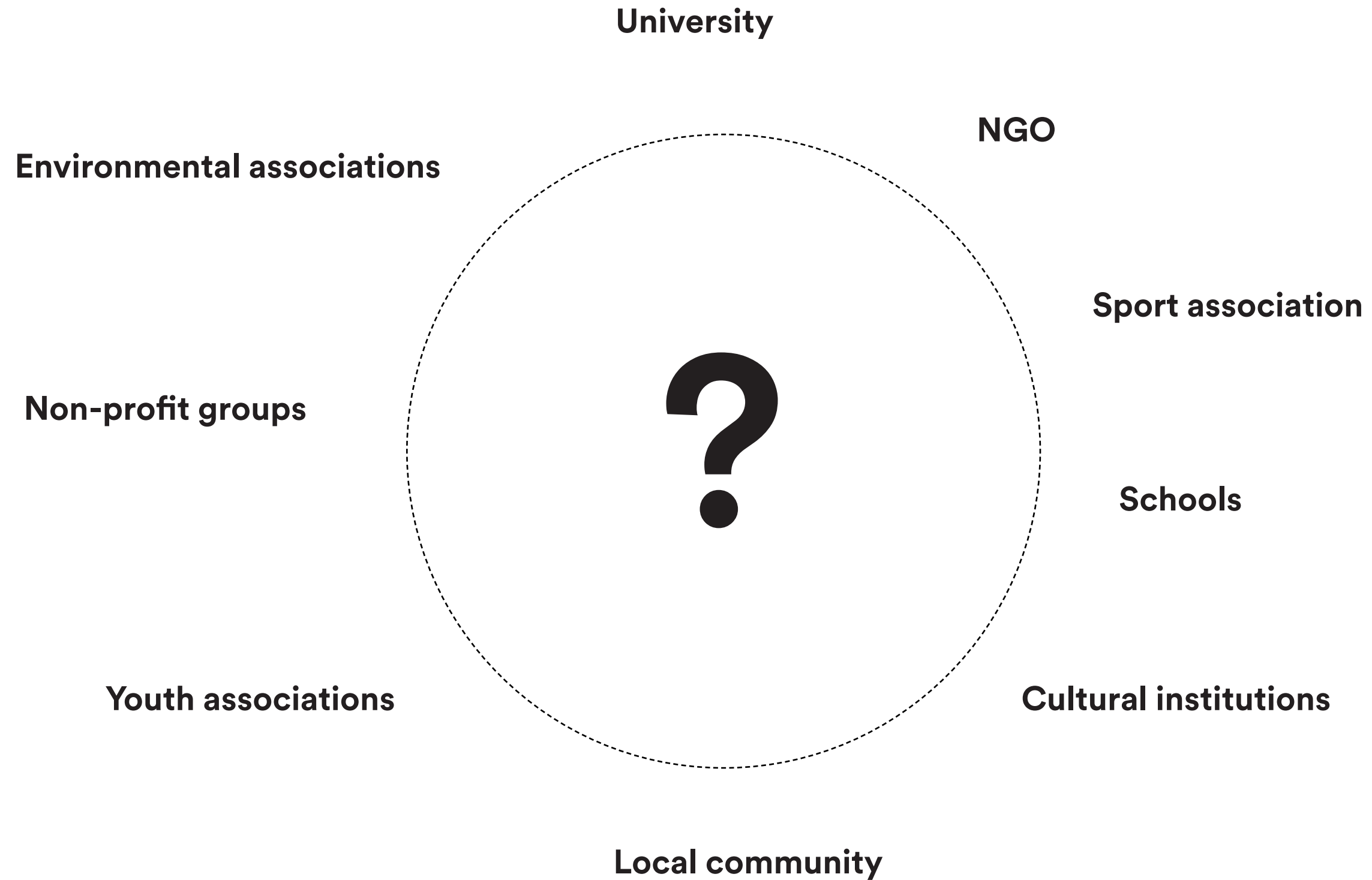


New temporary square

New temporary square Plan (*Phase 01*)



New temporary square Co-design and participation



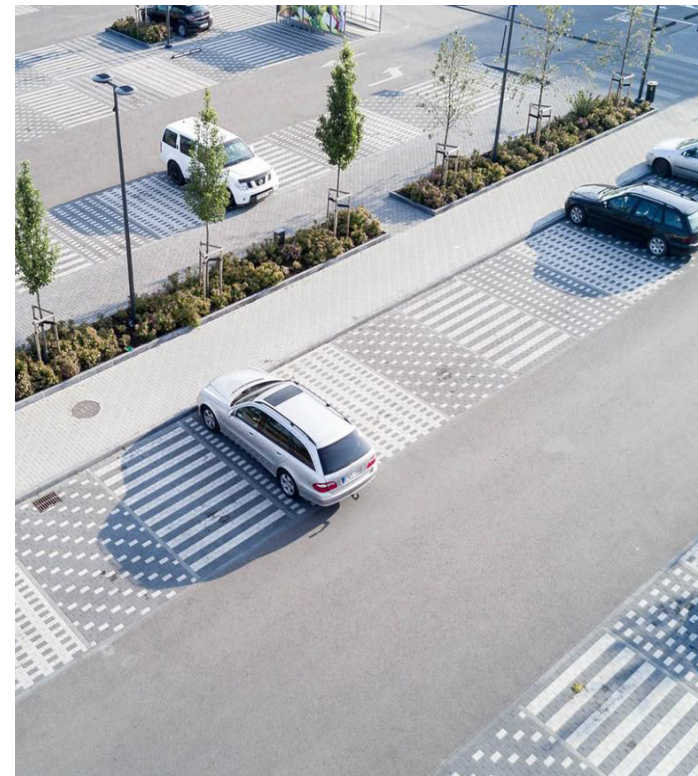
New temporary square Tactical urbanism



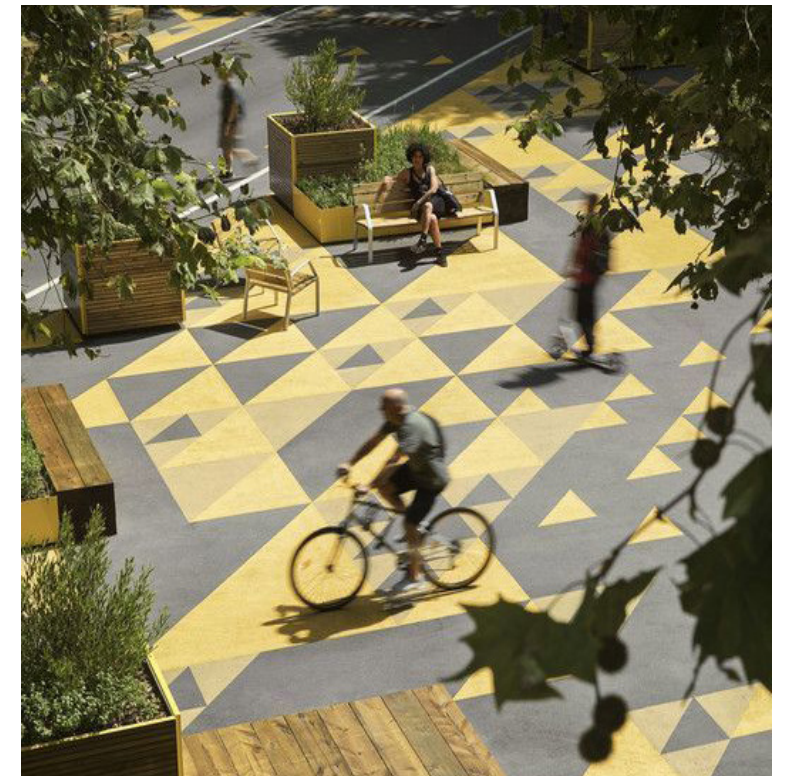
Activate mobility flows



Movable furniture



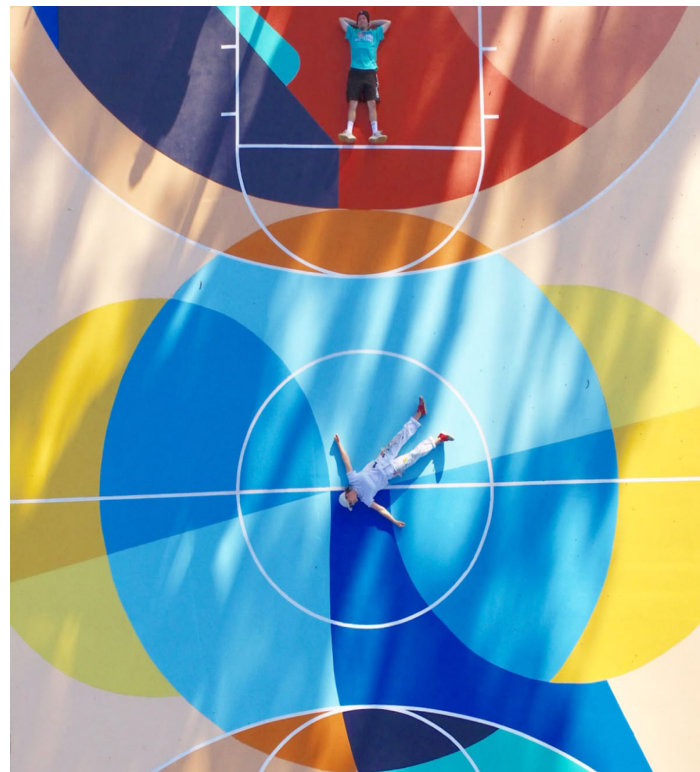
Incremental parking reduction



Movable planters



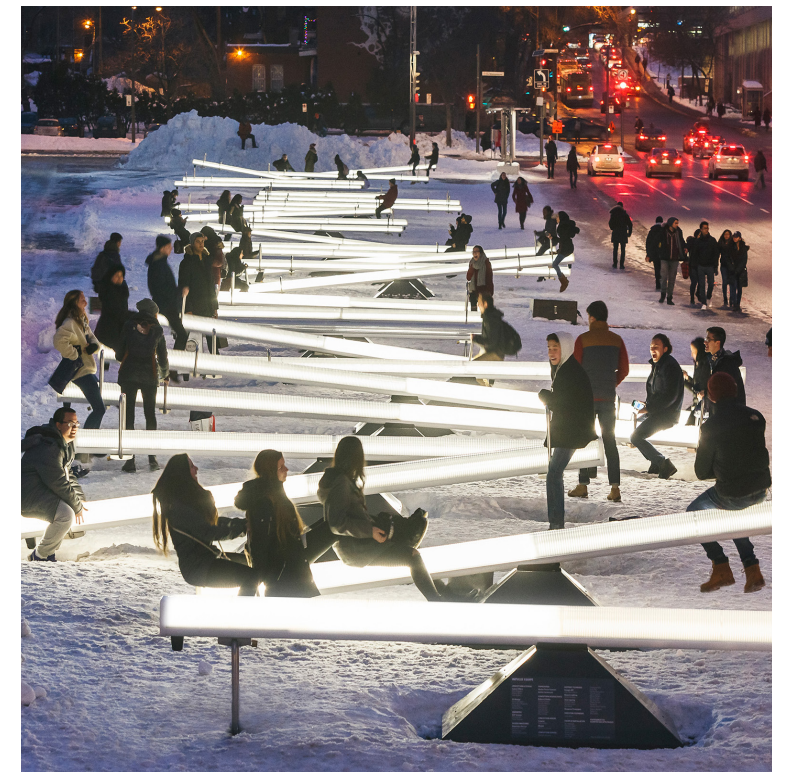
Depaving



Sport

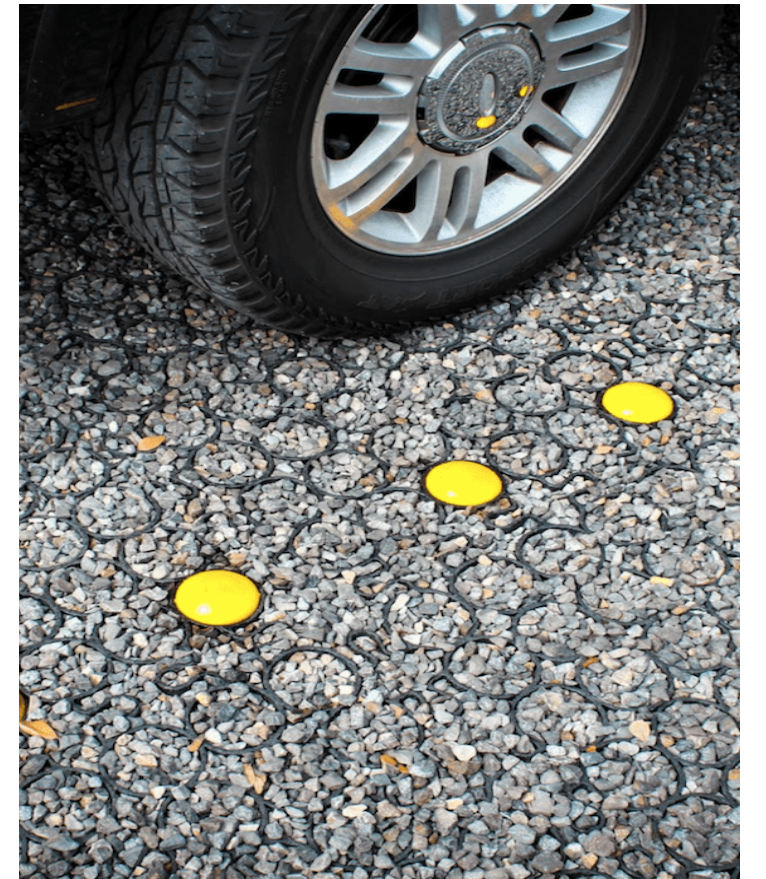
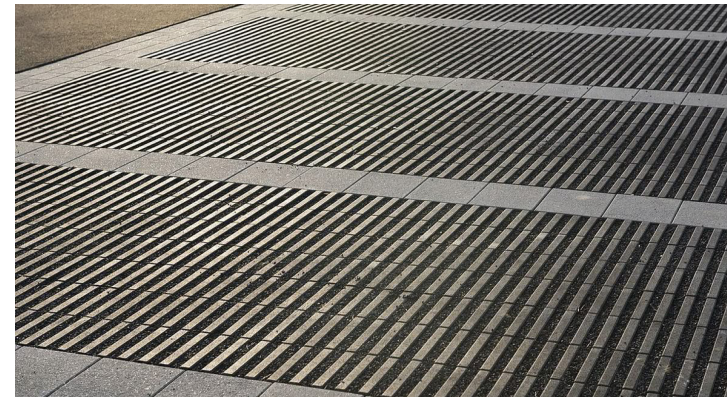


Seasonal programs



Playfull

Parking Depaving



Permeable surfaces Incremental depaving strategy

New temporary square Visuals



New square Winter nighttime



New square Winter daytime

Urban Wellbeing and Nature

Urban wellbeing and Nature Data



+70%
Permeable surfaces

Fostering Biodiversity
Optimize water management
Avoid flooding risks
Improve soil conditions
Mitigate heat-island effect



+10.000mq
Green and public spaces

Sport activities
Playgrounds
Gatherings areas
Multiple target groups
All-year round uses



+130
New trees

Bring nature in the city
Reduce CO2
Improve air quality
Promote wellbeing
Microclimate conditions

Active trajectories Visual



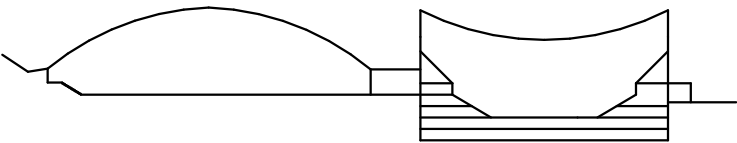
Active Trajectories Aerial image

Architecture

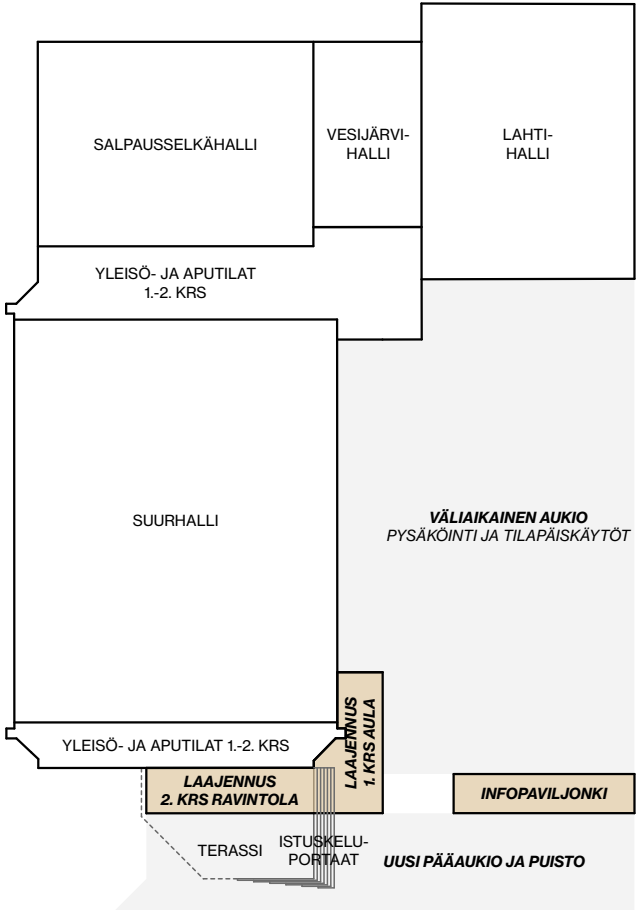
AOR Architects



Vaiheistus ja monitoimiareena

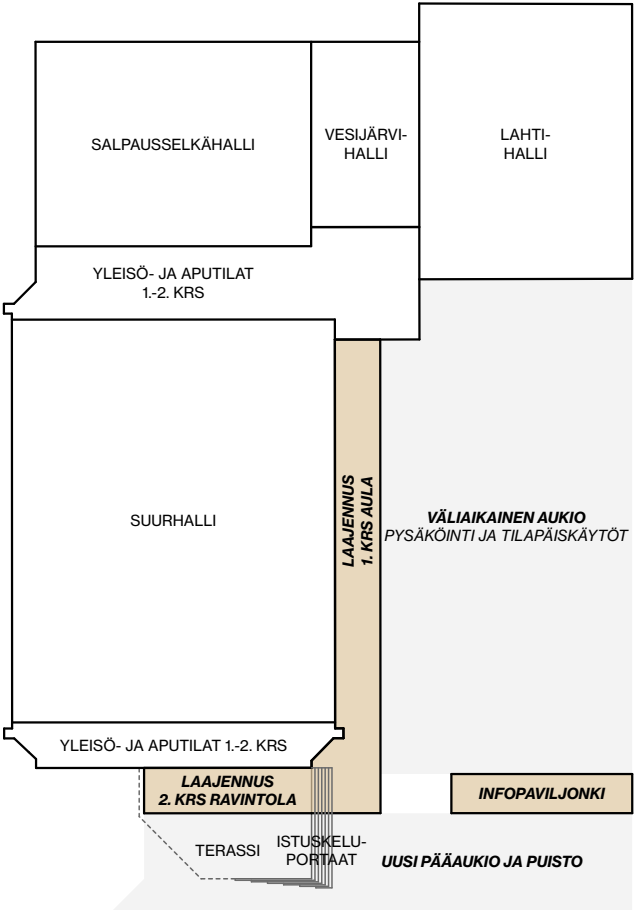


KOKONAISUUTTA YHTEEN SITOVA KATOS
ANTAA MYÖS LAHTI-HALLILLE KASVOJEN-
KOHOTUKSEN TEIVAANKADUN SUUNTAAN



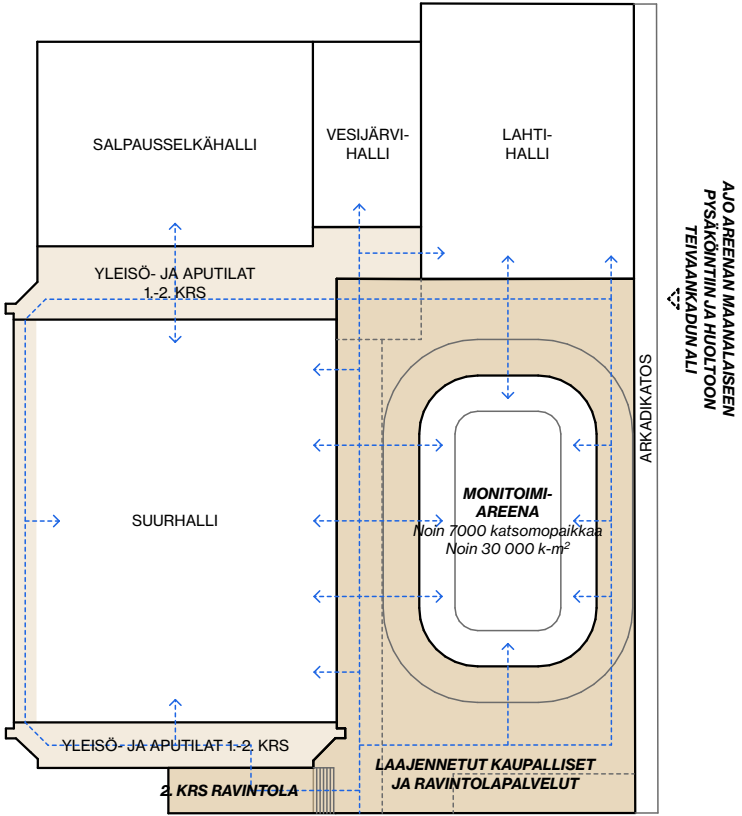
1. vaiheen toteutus, suppea vaihtoehto

Laajennusosa voidaan tarvittaessa toteuttaa vain suurhallin eteläpää-
hän sijoittuvana suppeampana versiona, joka toisi kuitenkin parannuksen
alueen yleisilmeeseen sekä suurhallin aula- ja ravintolatilojen toimivuu-
teen. Paviljonki olisi pienempänä rakennushankkeena ja kaupunkiraken-
netta muokkaavana toimenpiteenä perusteltua toteuttaa rakentamisen
ensimmäisessä vaiheessa.



1. vaiheen toteutus, laaja vaihtoehto

Laajemmassa vaihtoehdossa suurhallin laajennusosa toteutetaan täy-
dessä laajuudessaan, jolloin saavutetaan merkittäviä hyötyjä uusilla sisä-
yhteyksillä kaikkien hallien välillä sekä suurhallin ympäri kiertävällä ylei-
söyhteydellä. Laajennusosa suurhallin itäsvun koko pituudella kohentaa
rakennuskokonaisuuden ilmettä edustavamaksi myös Teivaankadun
suuntaan.



- Suur- ja messuhalli noin 20 000 k-m²
- Suur- ja messuhalli + monitoimiareena yhteensä noin 50 000 k-m²

Monitoimiareenaan varautuminen

Laajennusosan sijoittelu ja ulkotilojen käsittely säilyttää pysäköintialueen
suurhallin itäpuolella mahdollisena uuden monitoimiareenahankkeen si-
joituspaikkana. Laajennusosan mitoituksessa on varauduttu alustavas-
ti areenan tilantarpeeseen ja laajennusosa säilyisi areenan toteutuessa
välittävänä yhdysosana areenan ja suurhallin rakennusmassojen välissä.
Areenan kenttätaso sijoittuisi nykyistä maanpintaa alemmalle tasolle ja
kentän alle olisi mahdollista sijoittaa maanalaista pysäköintiä useampaan
tasoon. Areenan maanalaiseen huoltoon ja pysäköintiin on mahdollista
tuoda ajoyhteys Svinhufvudinkadulta Teivaankadun ali. Areena asettuisi
uutena maamerkkirakennuksena osaksi laajempaa kaupunkisiluettia.



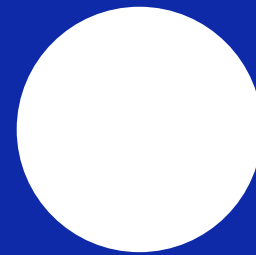




Lahti

Lahti Sport Center Strategic Study

Elaborated by Jacopo Gennari Feslikenian, Matteo Motti, Ishaani Shah and Hengxing Cao,
commissioned by Lahti municipality.



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