

# RESTORATIVE



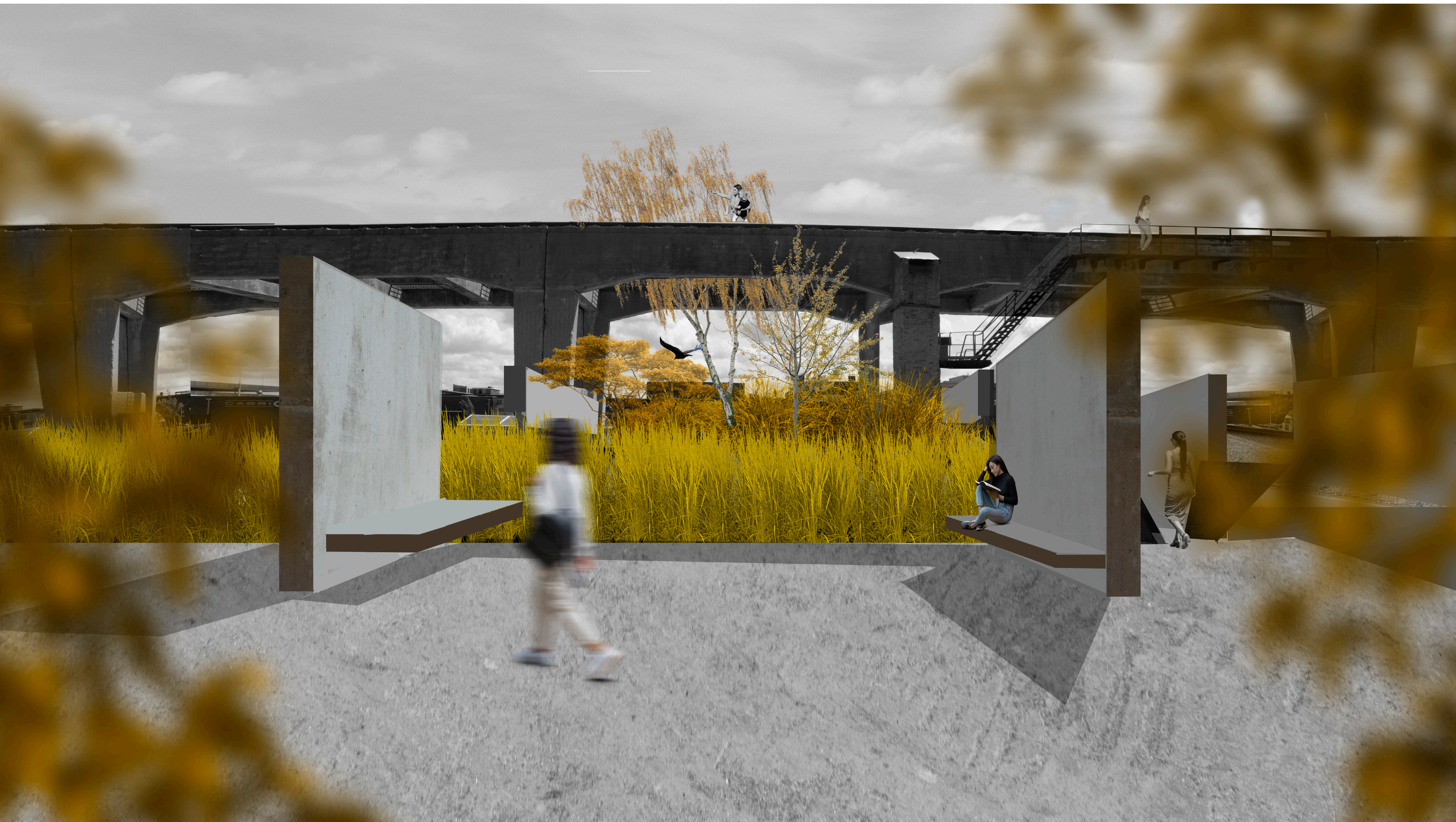
Master Thesis Landscape Architecture  
Flowscapes Urban Forest Places

P5 - 19/01/2023  
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First Mentor: Saskia de Wit  
Second Mentor: Machiel van Dorst











# INDEX

1. Location & Topic
2. Conclusion & Concept
3. Design

- 1. Location & Topic**
2. Conclusion & Concept
3. Design



**Design location** 'Concrete forest'

# Spatial exceptionality





Spatial exceptionality



Depth of access/functionality





Spatial exceptionality



Depth of access/functionality



Imperfection



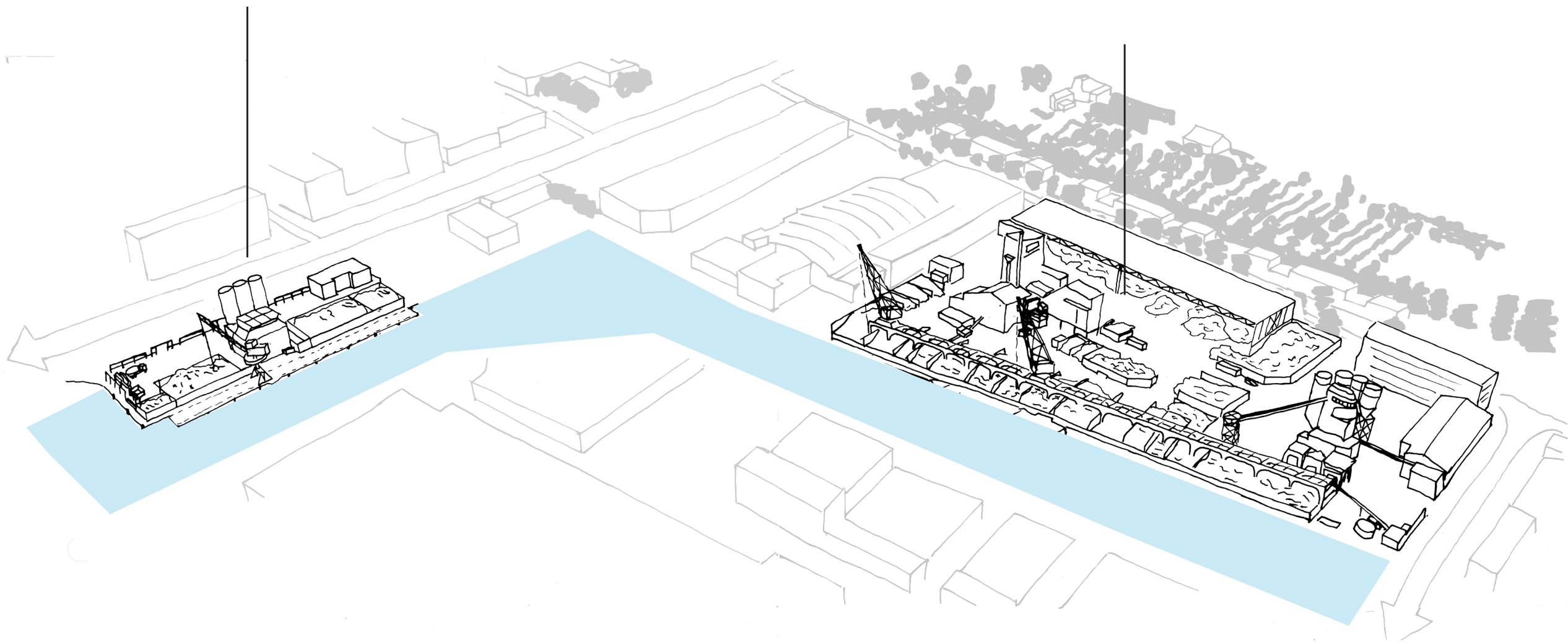


**Brownfields** Shut down industrial facilities, such as factories or harbours

# Design location

Concrete-plant

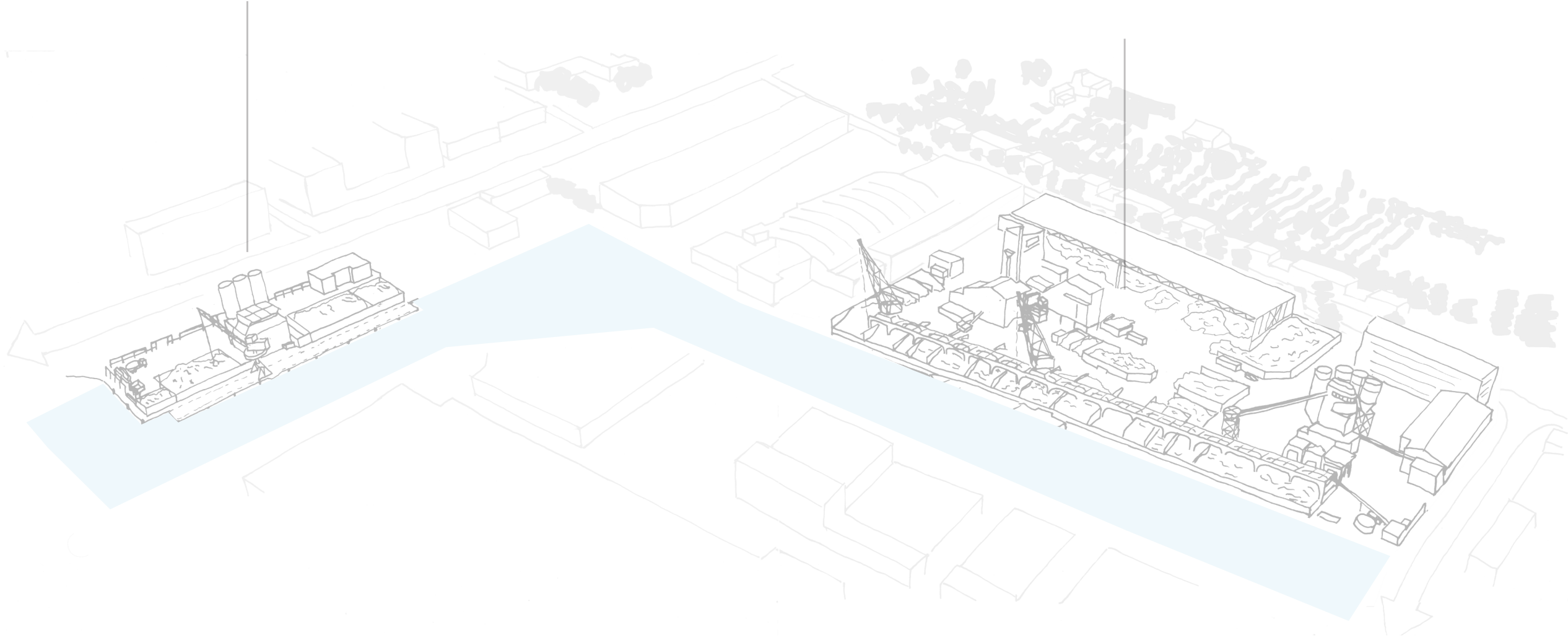
Asphalt-plant



# Design location

Concrete-plant

Asphalt-plant





*“How could brownfields be valued to their potential?”*

Brownfield-urban forest

**GRADUATION LAB TOPIC:**

**Urban forestry**



Dimensions thesis:

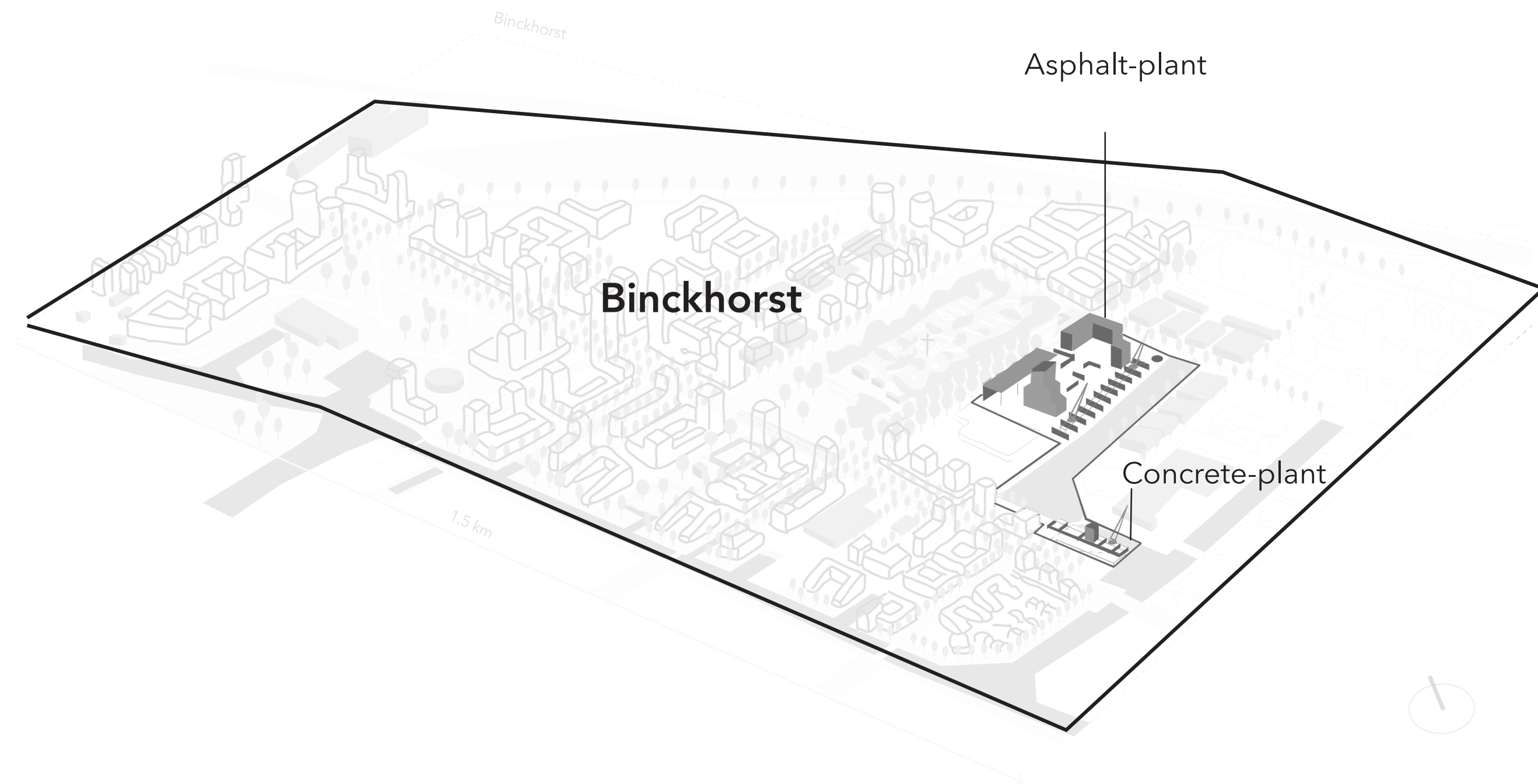
**Restorative qualities for human nature**



# **Binckhorst, The Hague**

Area in transition

# Context of design location



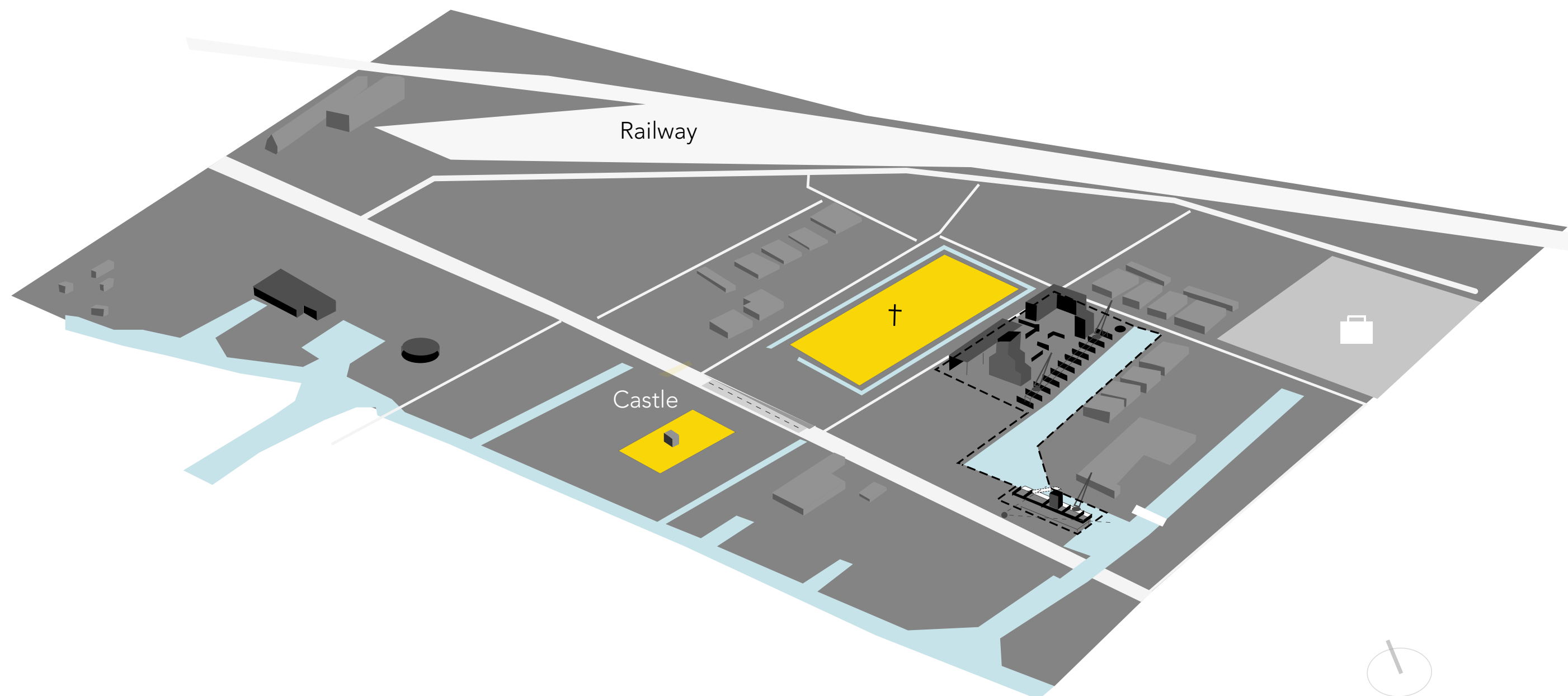




Binckhorst (1920-1930)

# Century of forest suppression

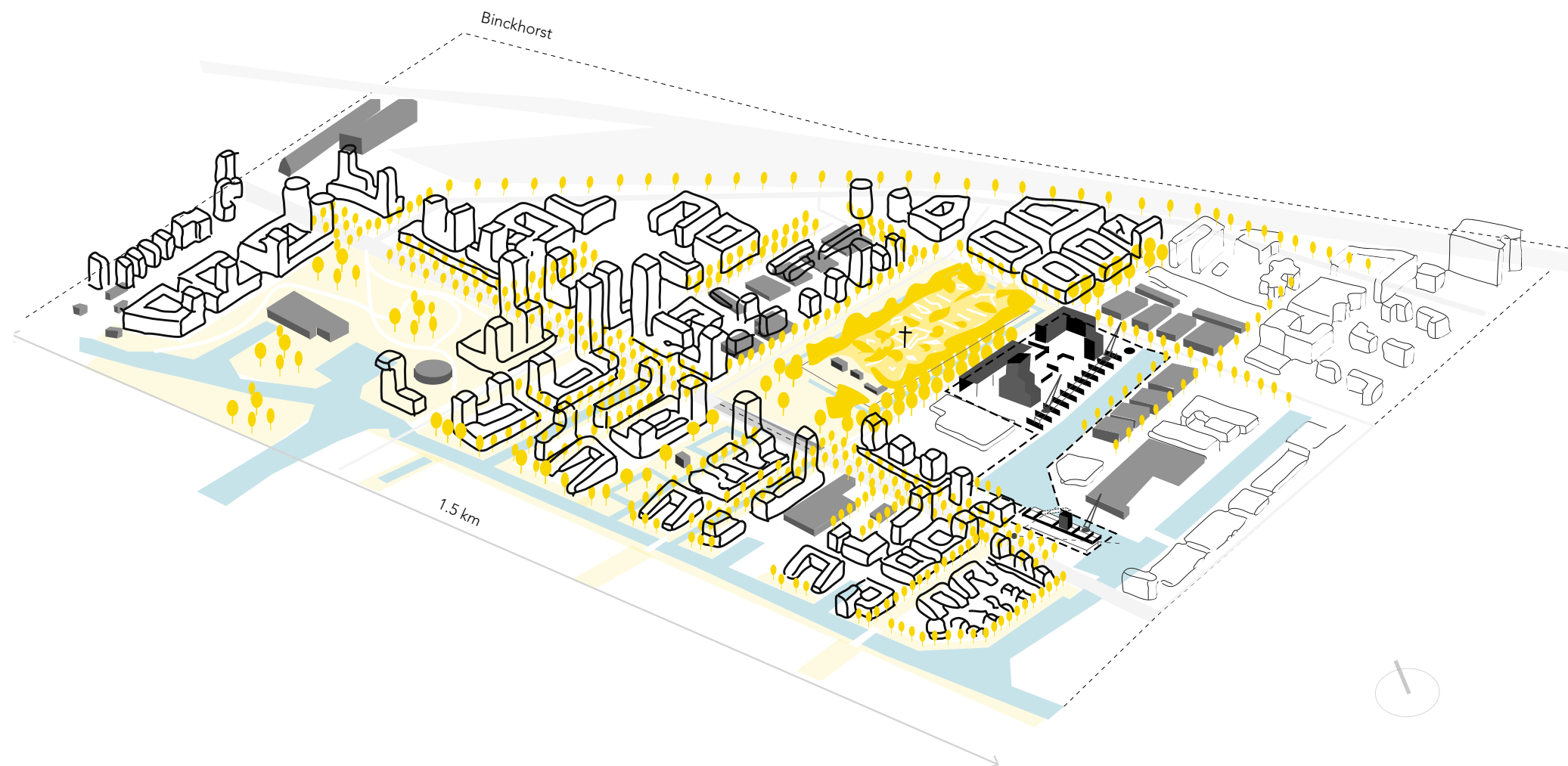
Binckhorst in 2021.





# Residential future (2025-2030)

Plans of PosadMaxwan (n.d.)



# 1. Moving industries: ecological restoration





## 2. Urban densification: need for cognitive restoration of humans

distractions:

- crowding
- noise disturbance
- danger (e.g. traffic)

duty:

- social obligations
- work





Brownfield-urban forest > restorative qualities?



## Research Question:

How can the landscape architectural components of the **brownfield-urban forest** bring forward **restorative qualities** for **human nature**?

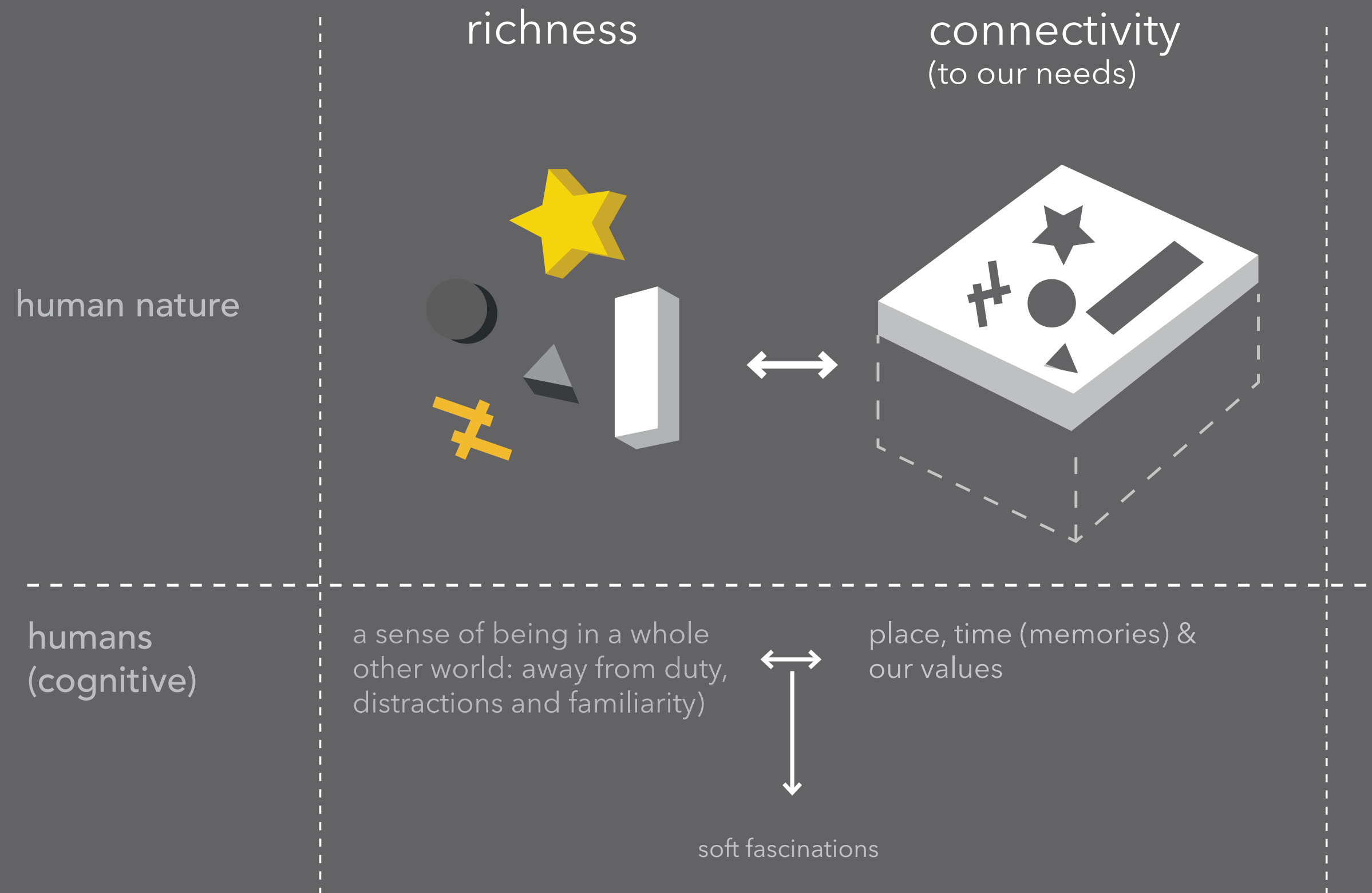


1. Location & Topic
- 2. Conclusion & Concept**
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## Conclusion



# Conclusion human nature restoration



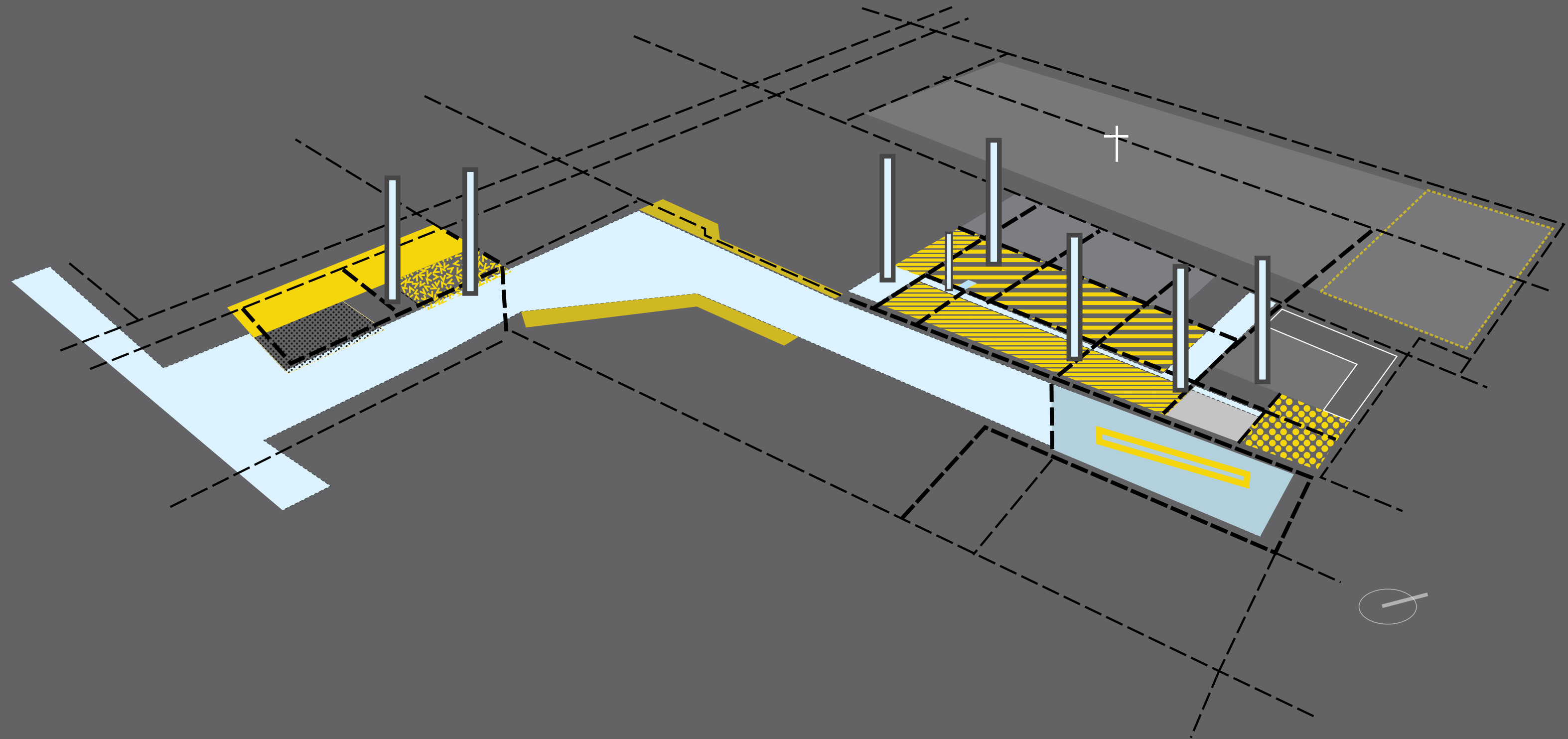
**Concept** Patchwork Oasis



Concept diagram Patchwork Oasis

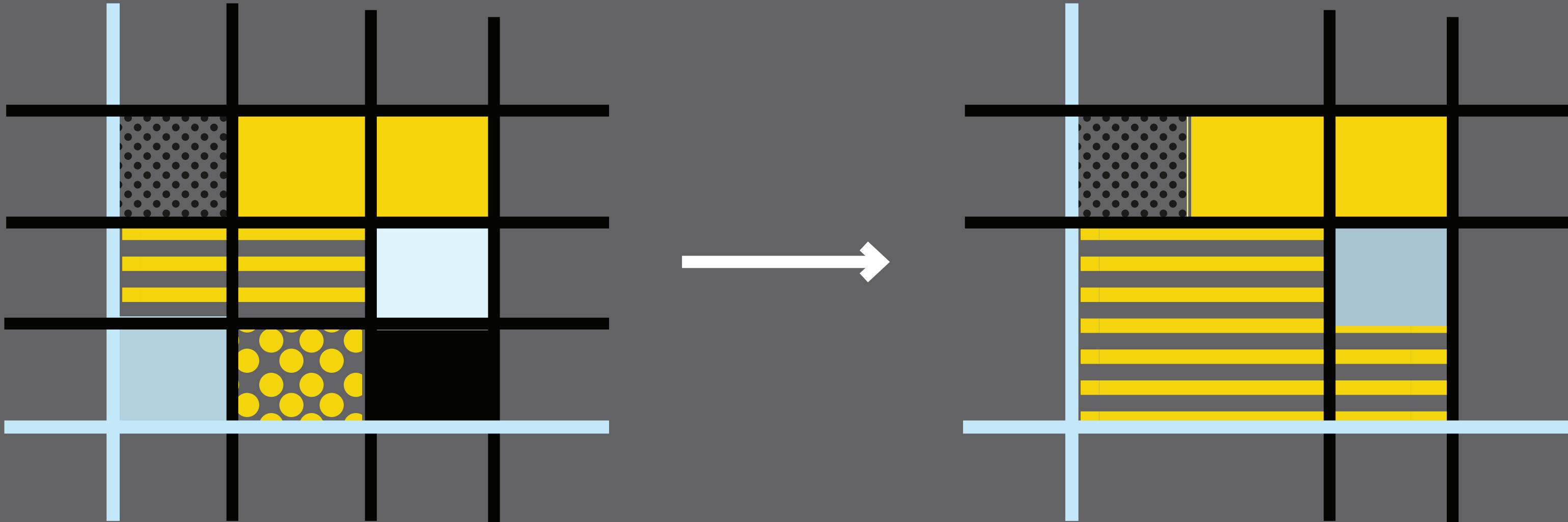


# Spatial concept Patchwork Oasis





Dynamic patchwork



1. Location & Topic
2. Conclusion & Concept
- 3. Design**

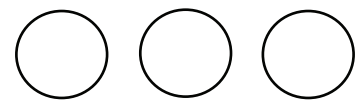
**Design** models & serial vision



# Serial vision: 3 walks



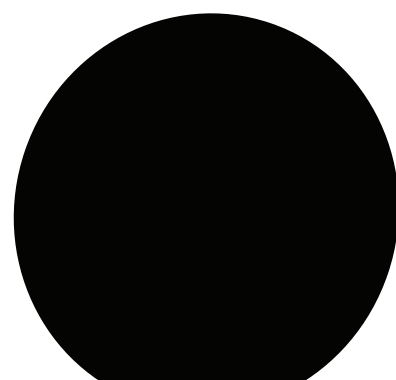
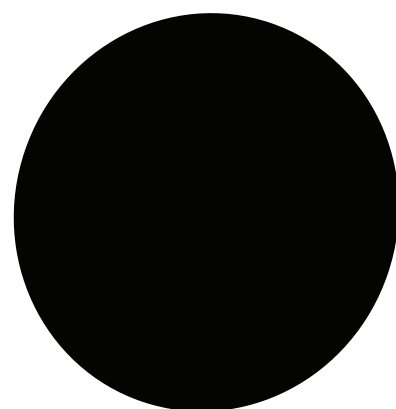
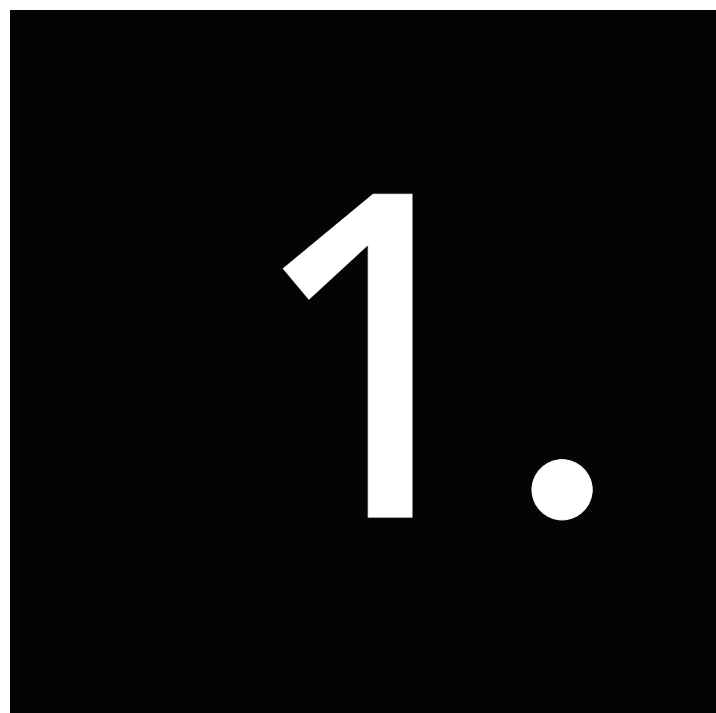
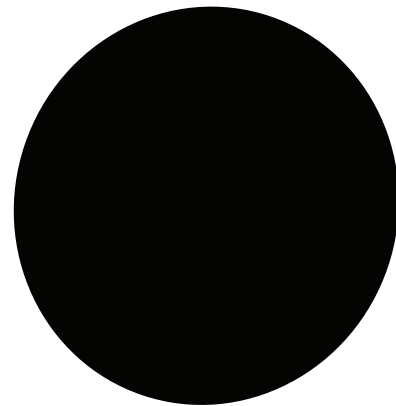
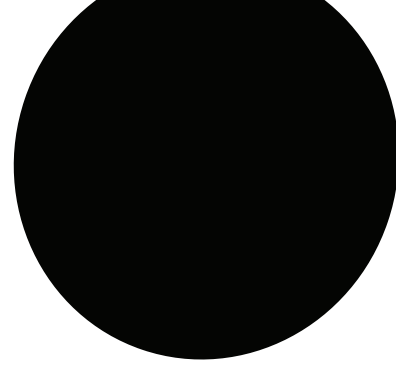
Early days (-5 years)



Maturity (30 years)



Collapse as quality (50+ years)



**Early Days**  
0-5 years

1

Edge of residential area



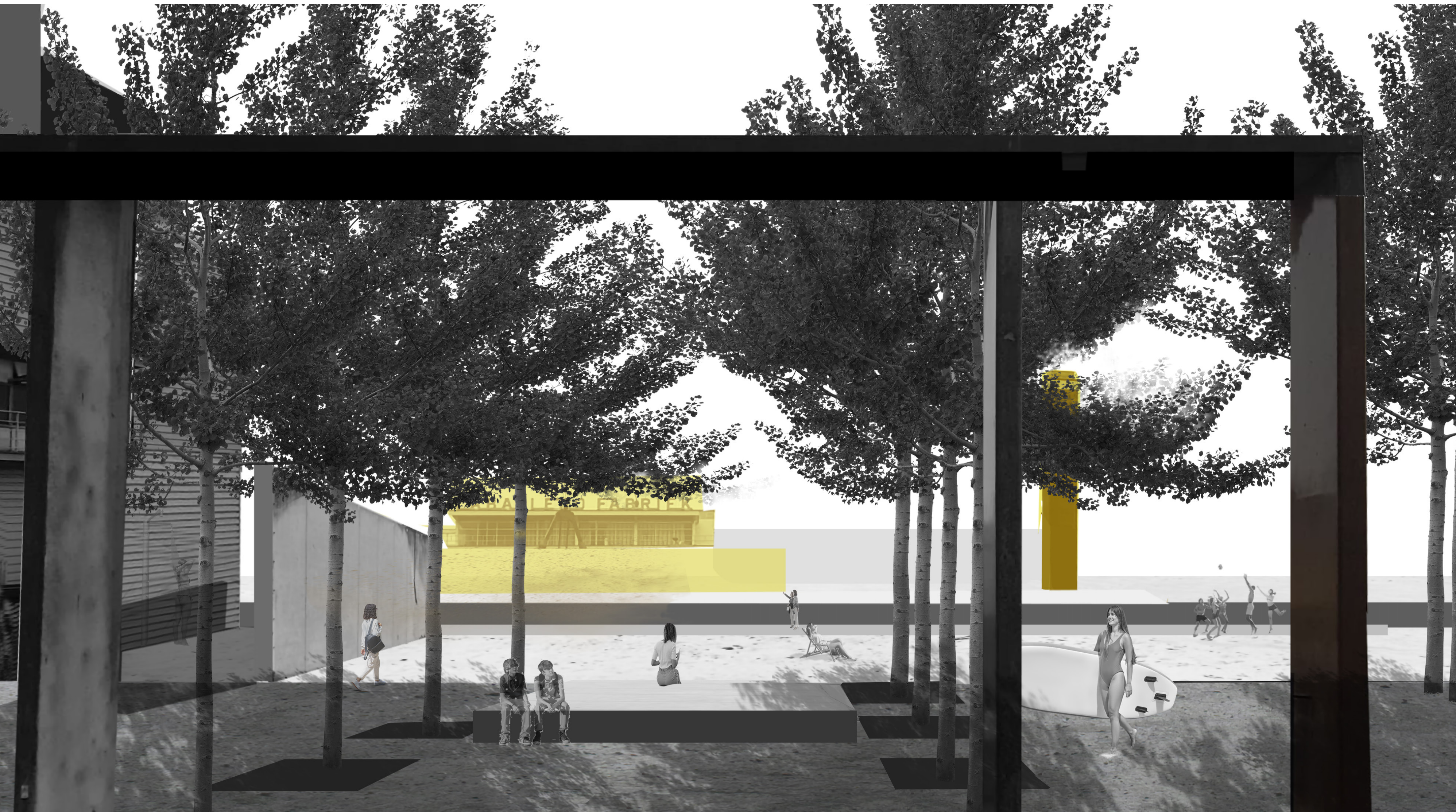


1

Edge of residential area



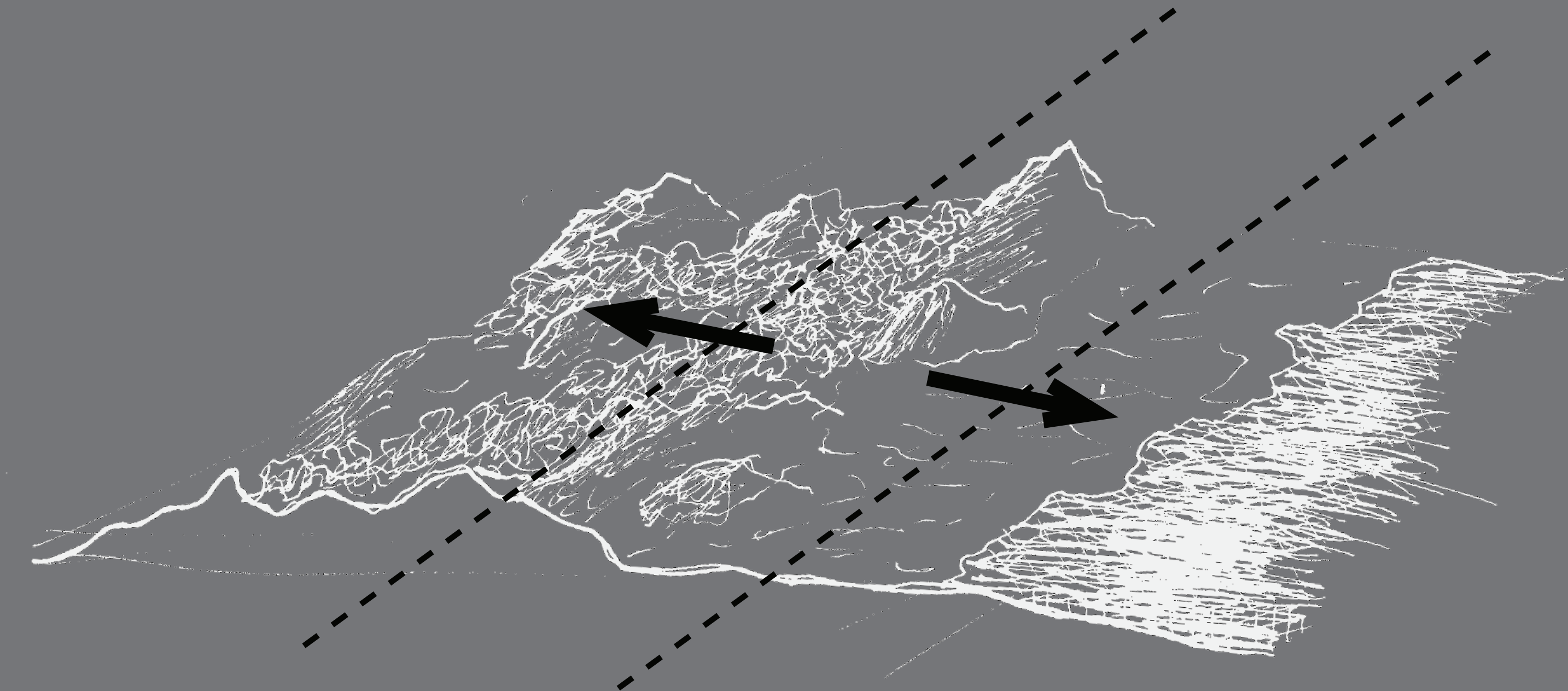






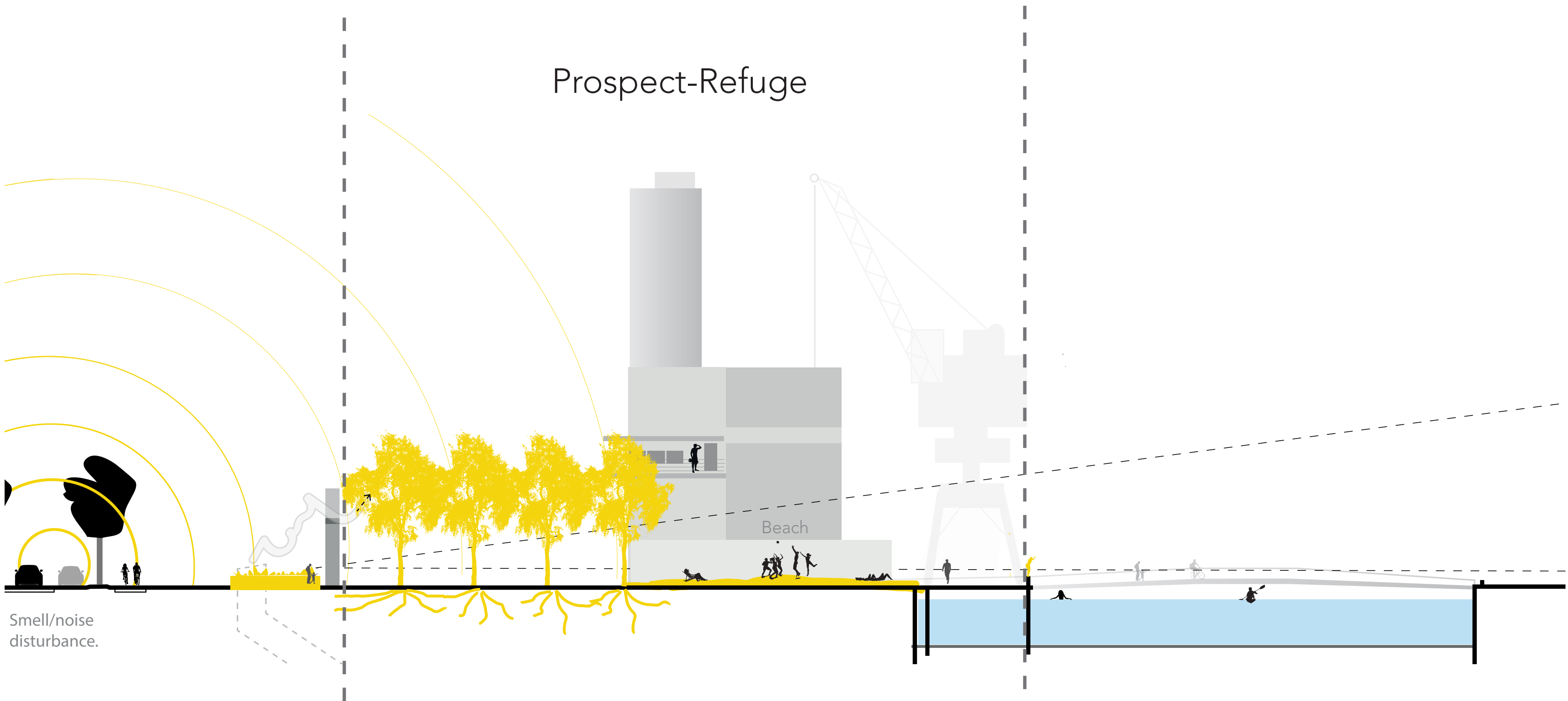
# Theory: Prospect-Refuge

Sea shore





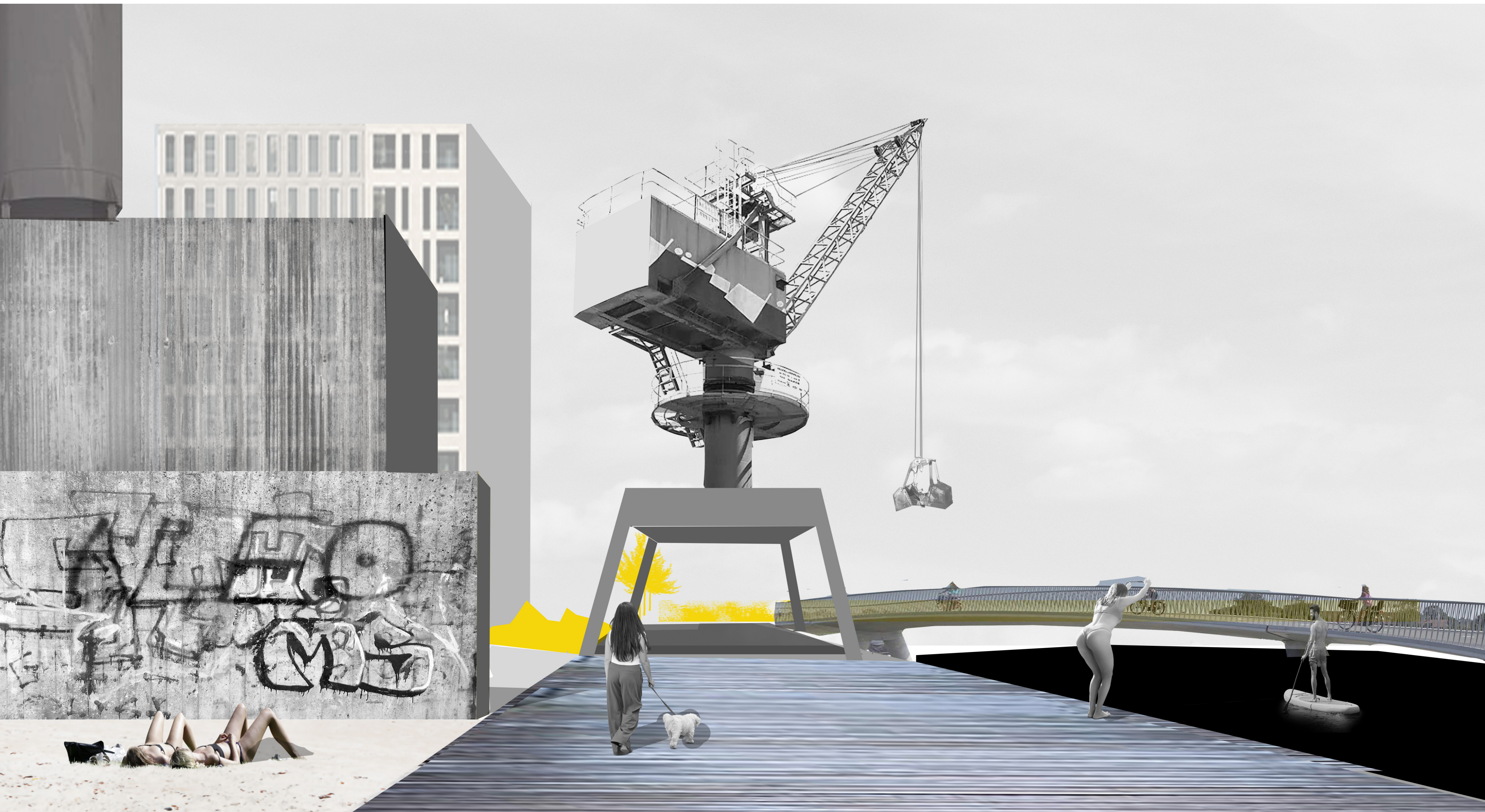
# Silo Shores: Beach





3

## Silo Shores: boulevard





## 4

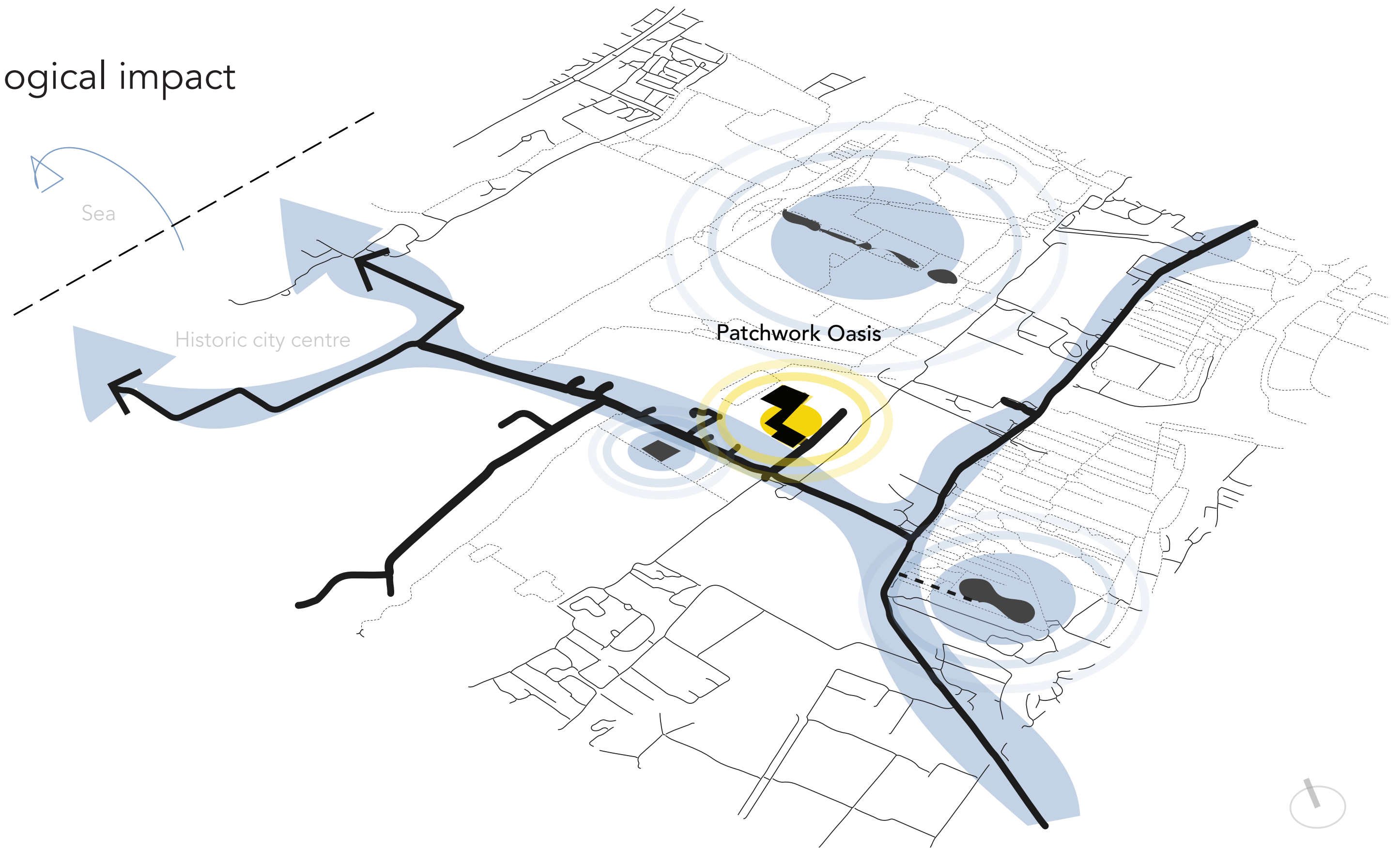
## Ruderal connection





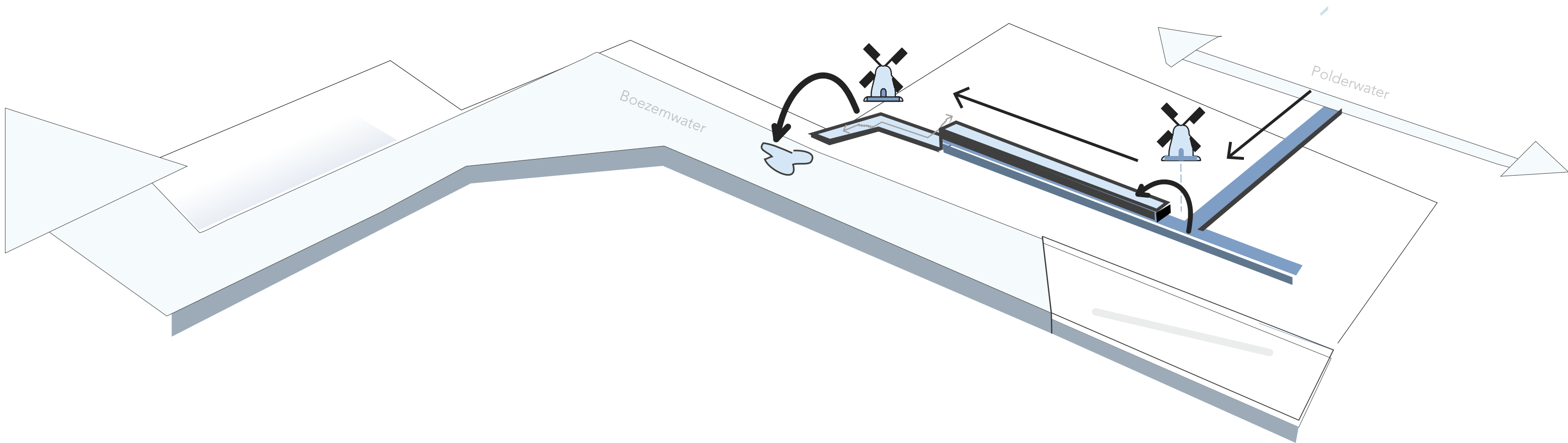
# Waterproblems: The Hague.

- waterquality: ecological impact
- buffercapacity

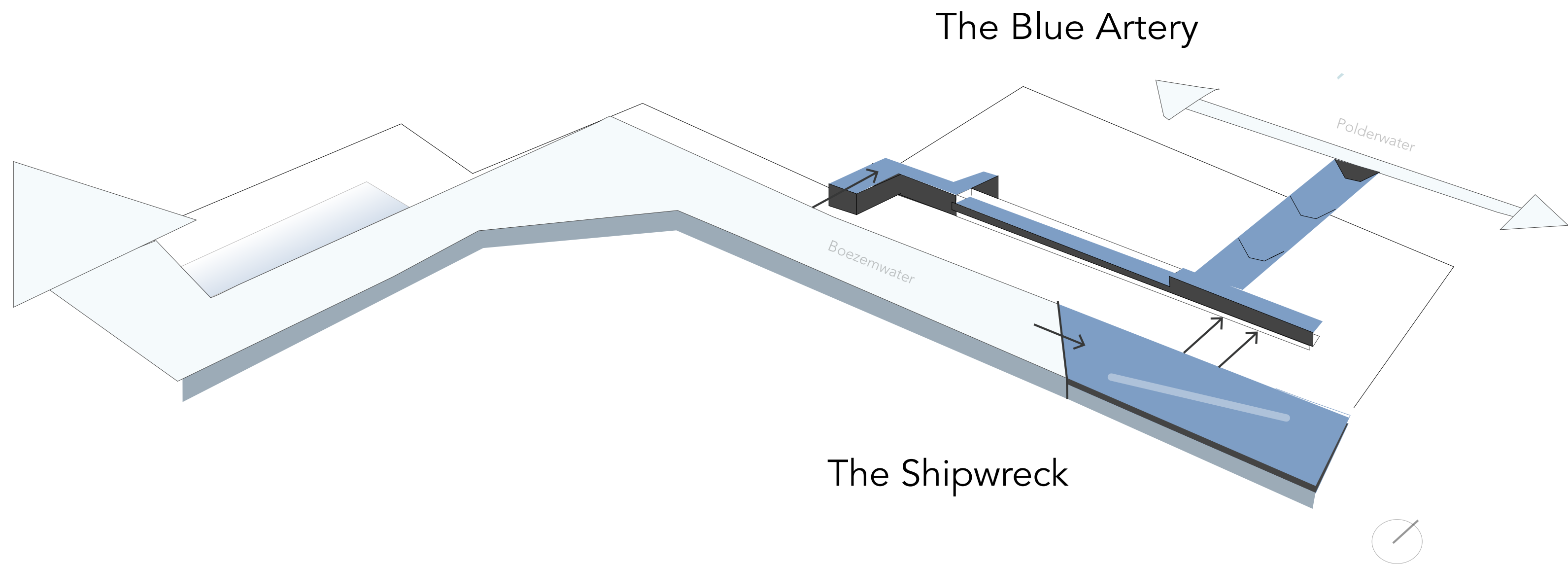


Waterfactory clean water source

The Blue Artery

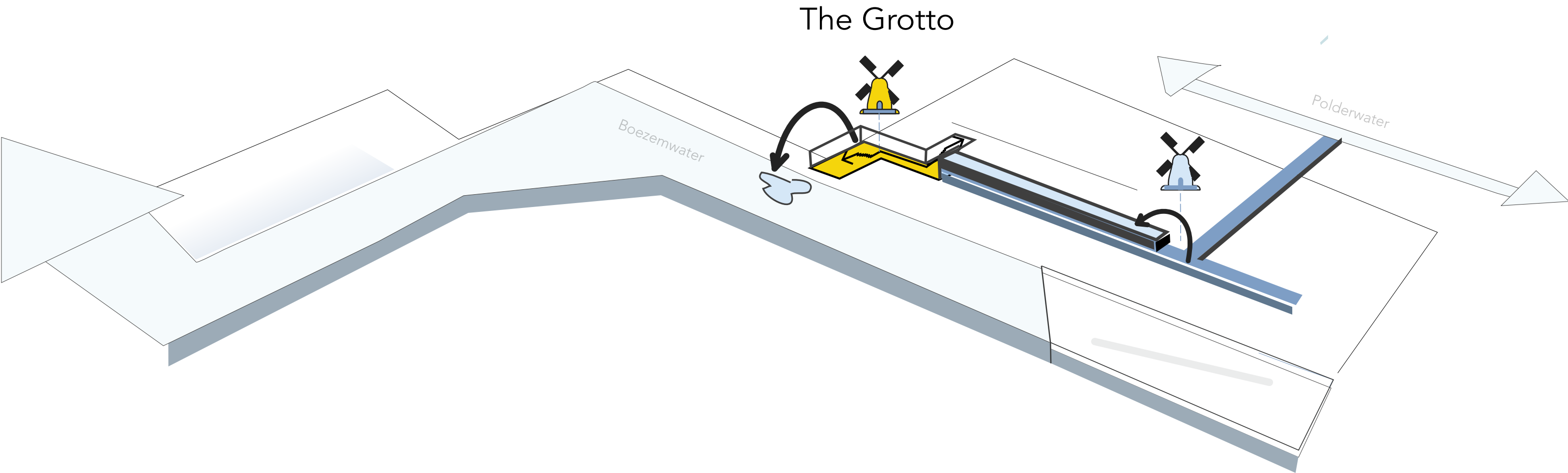


# Waterfactory extreme weather waterstorage





**Design** Waterfactory: Design 1:50.





5

Grotto: entrance





6

Grotto: immersed



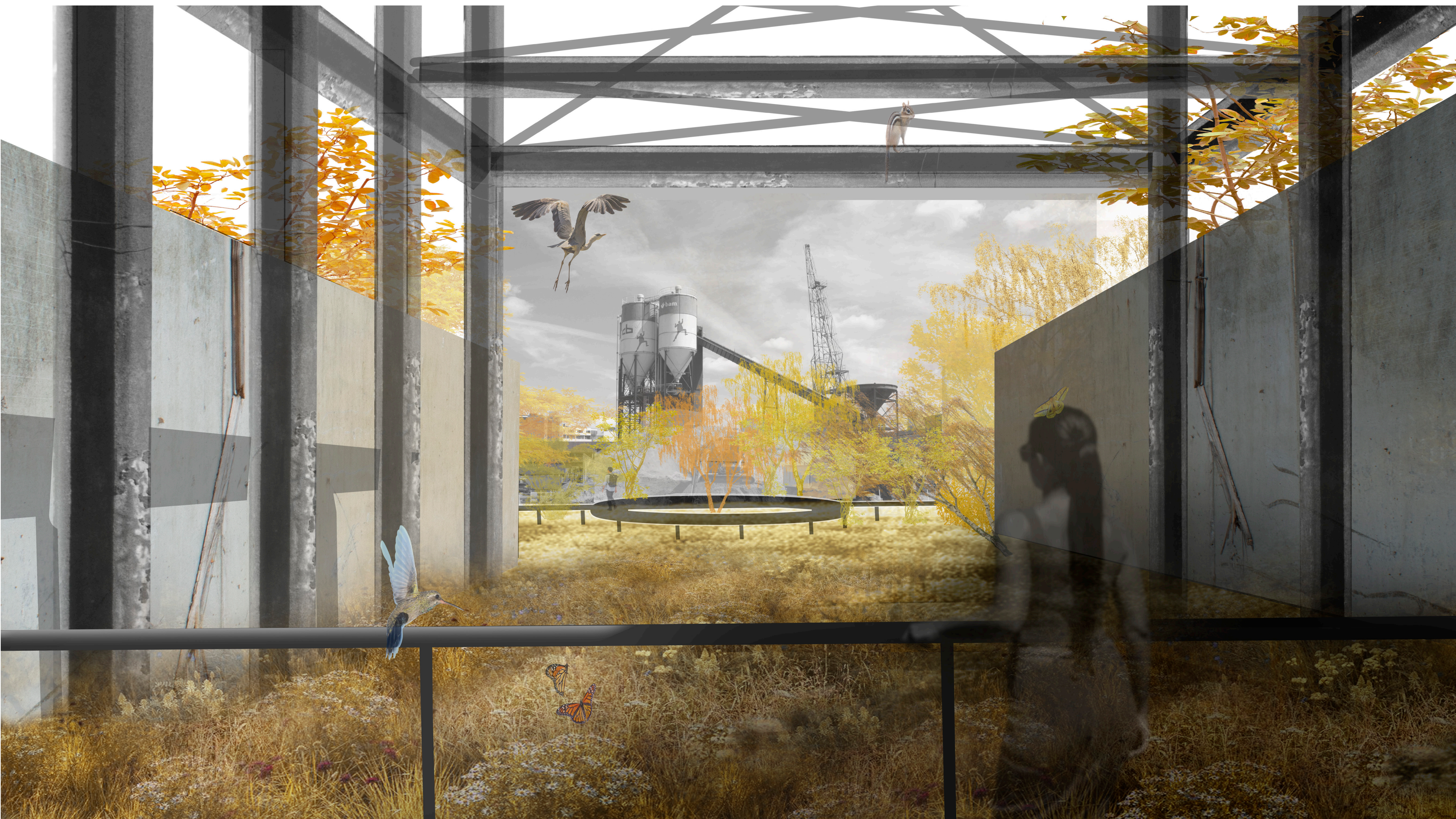


7

## Grotto: under the tree











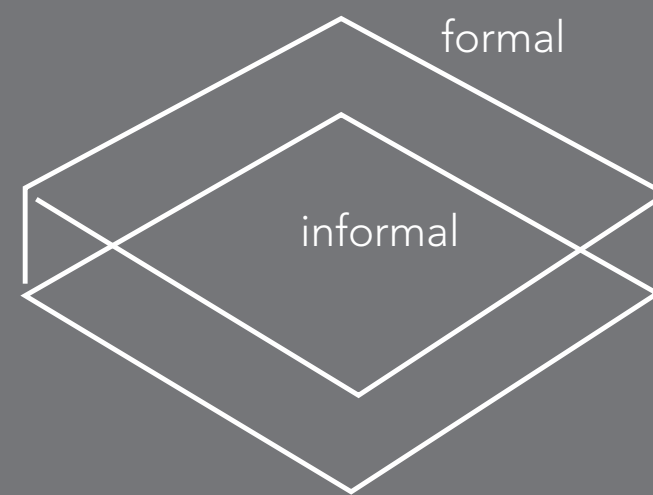
Richness



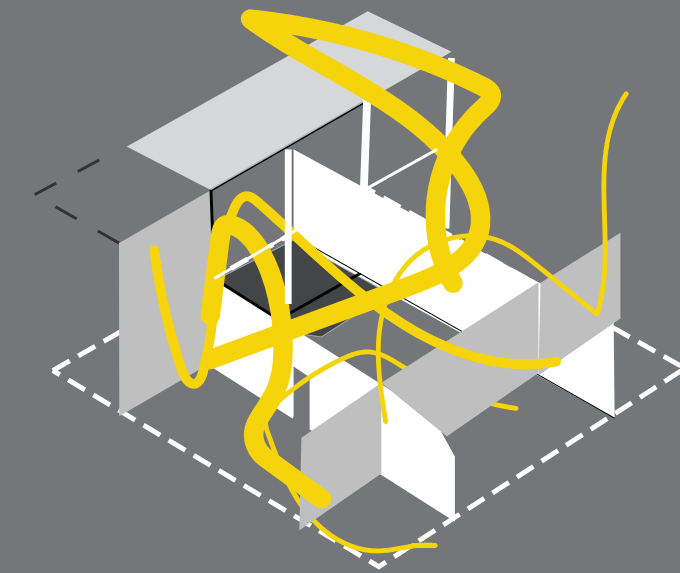
Wilderness

+

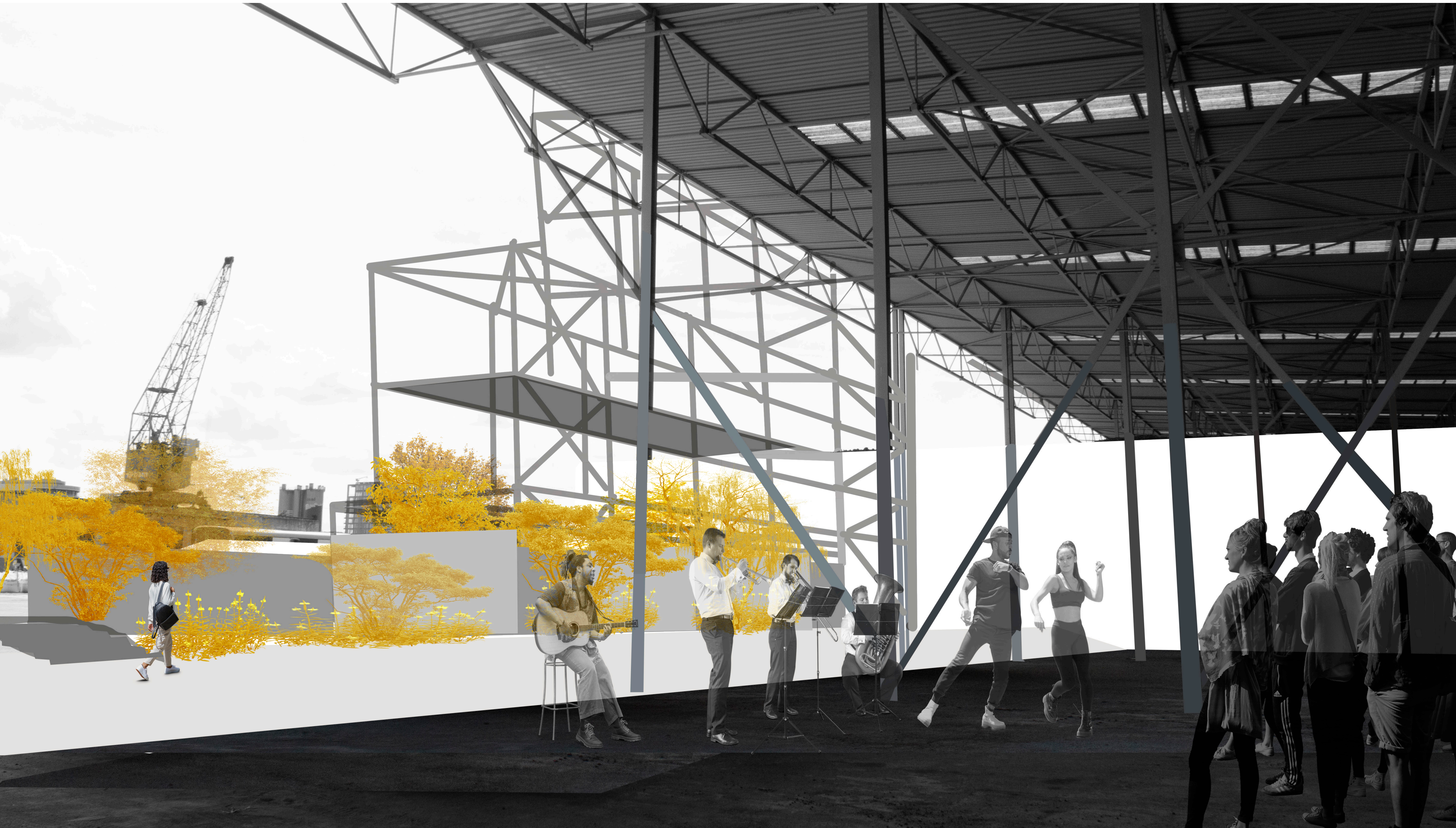
Connectivity



Restorative  
Wilderness









# Depth of social spaces



## **Pluralistic**

Spaces for all: compromis



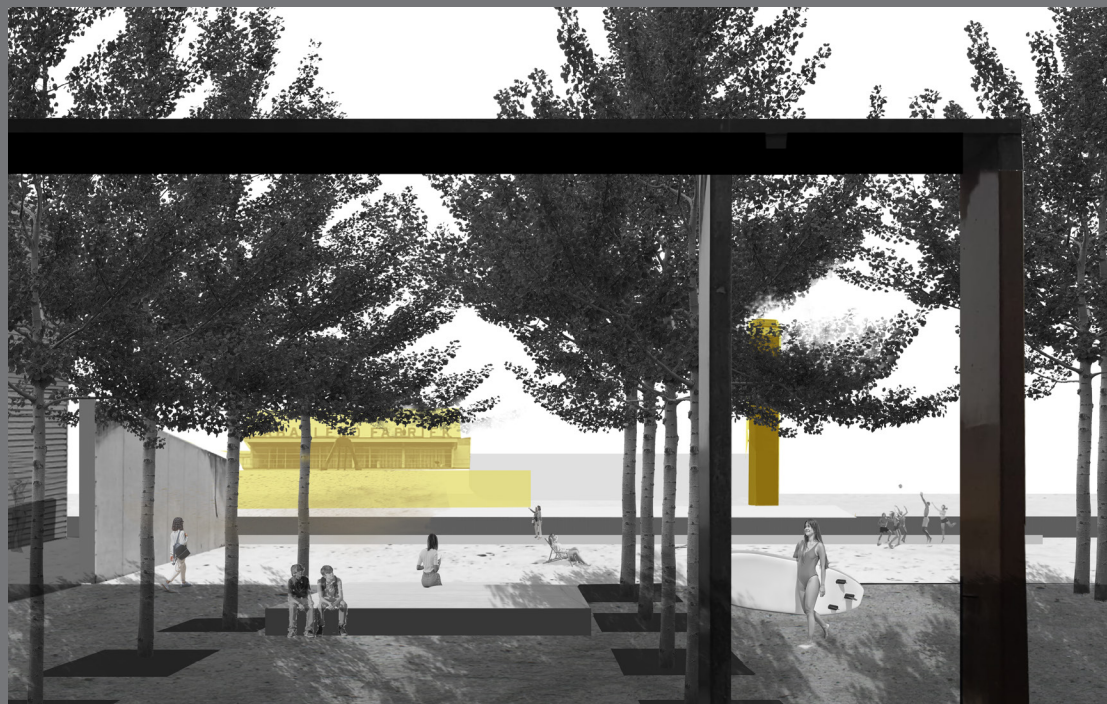
# Depth of social spaces **personalizable park**

Introversion

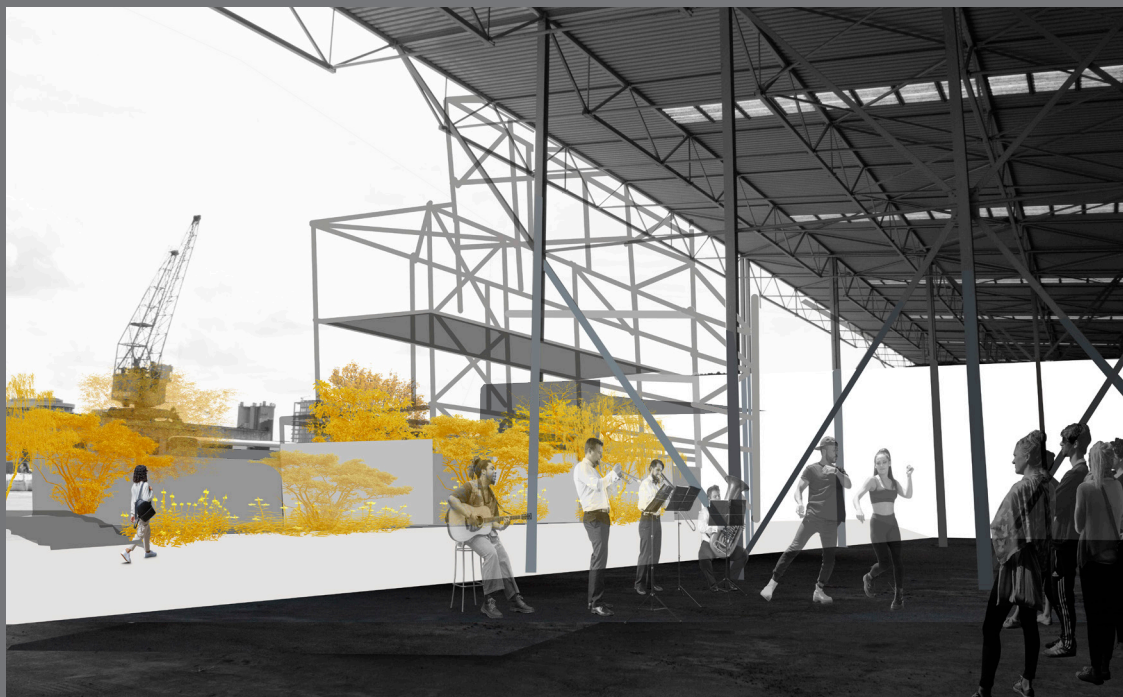
Extroversion



**Individualistic**  
reflective / away



**Pluralistic**  
Spaces for all: compromis

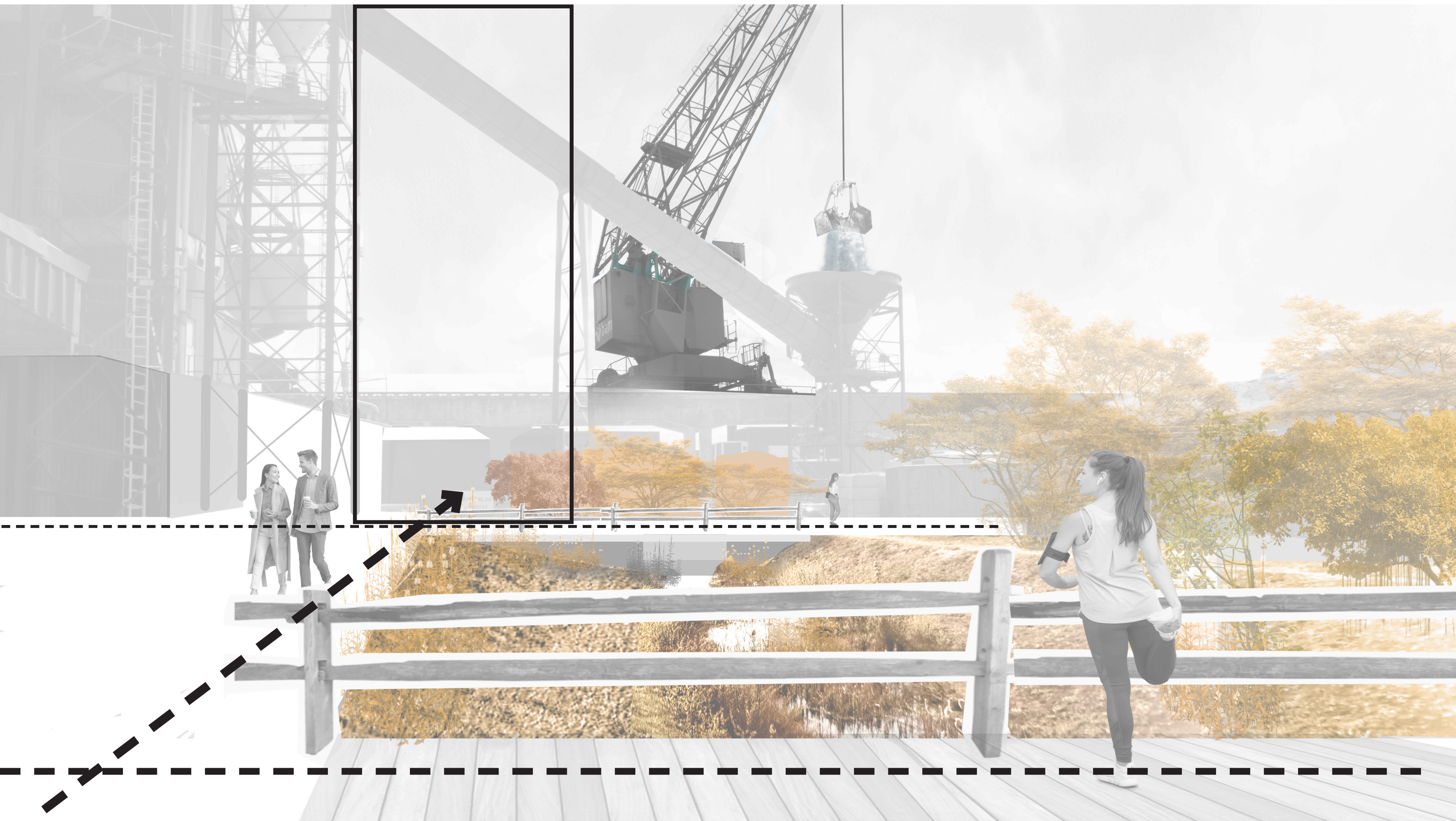


**Communal**  
social / together (like-minded)

















**2.**

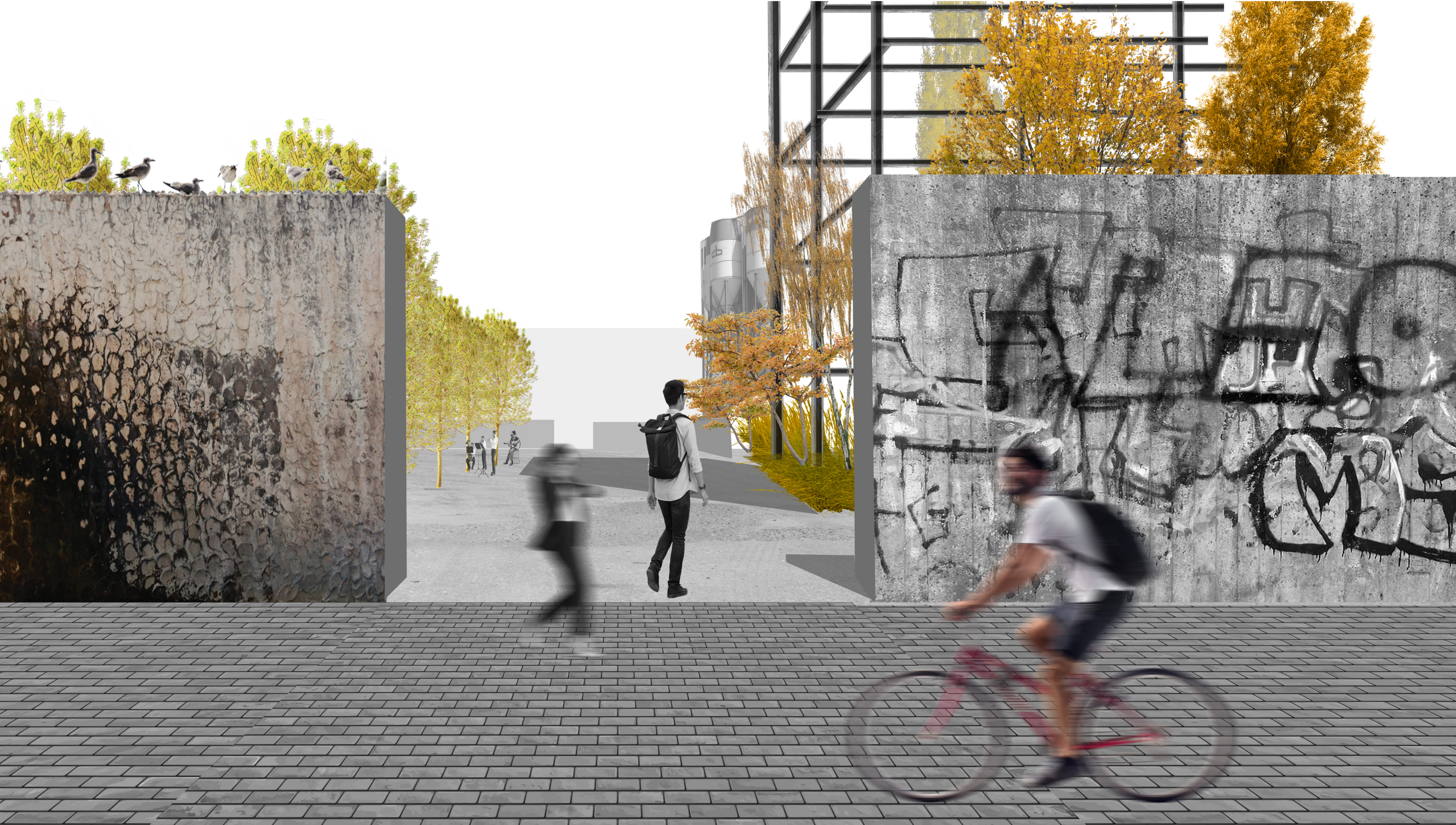
**Maturity**  
30 years



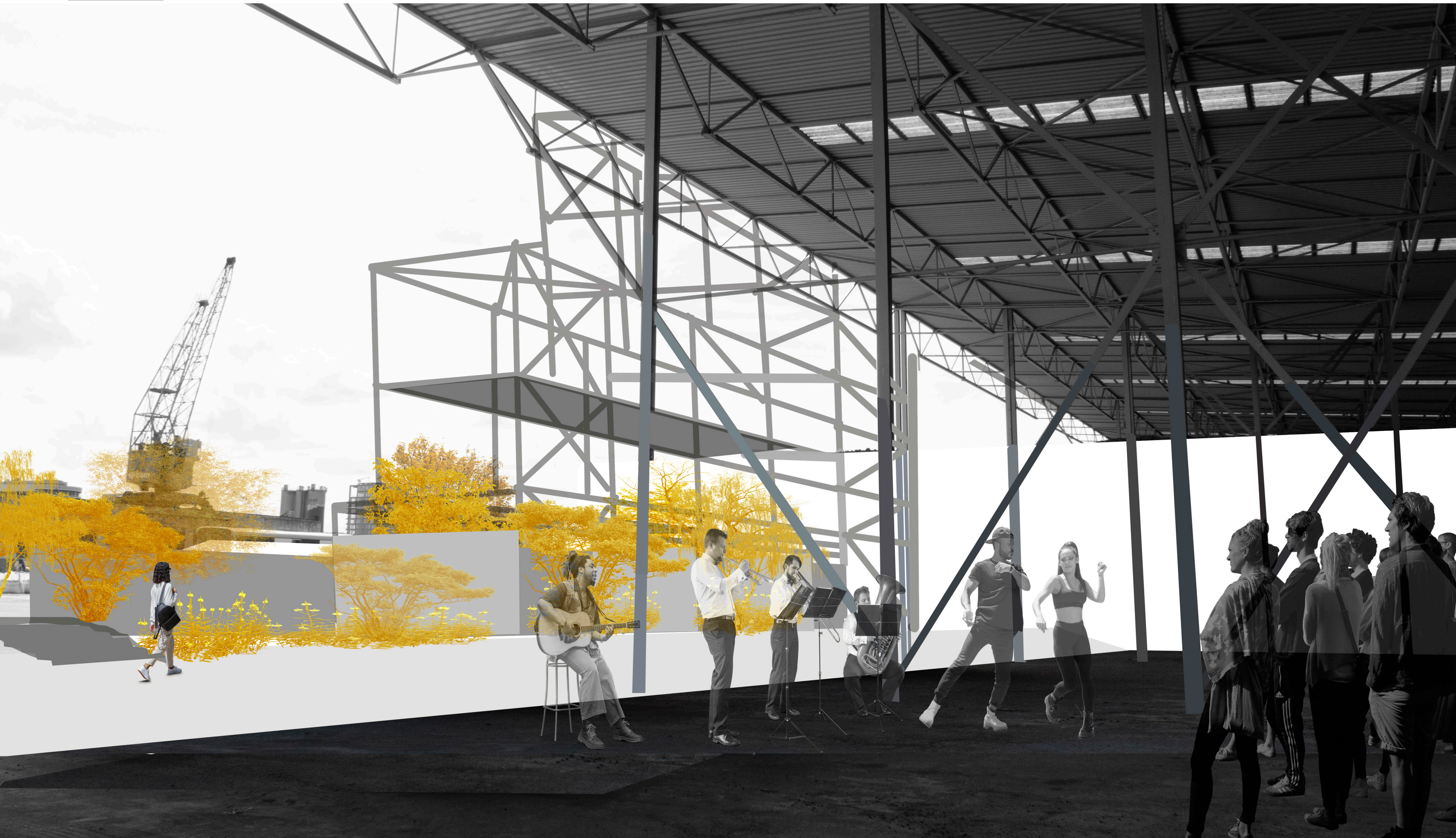
1

Through the wall

30 years





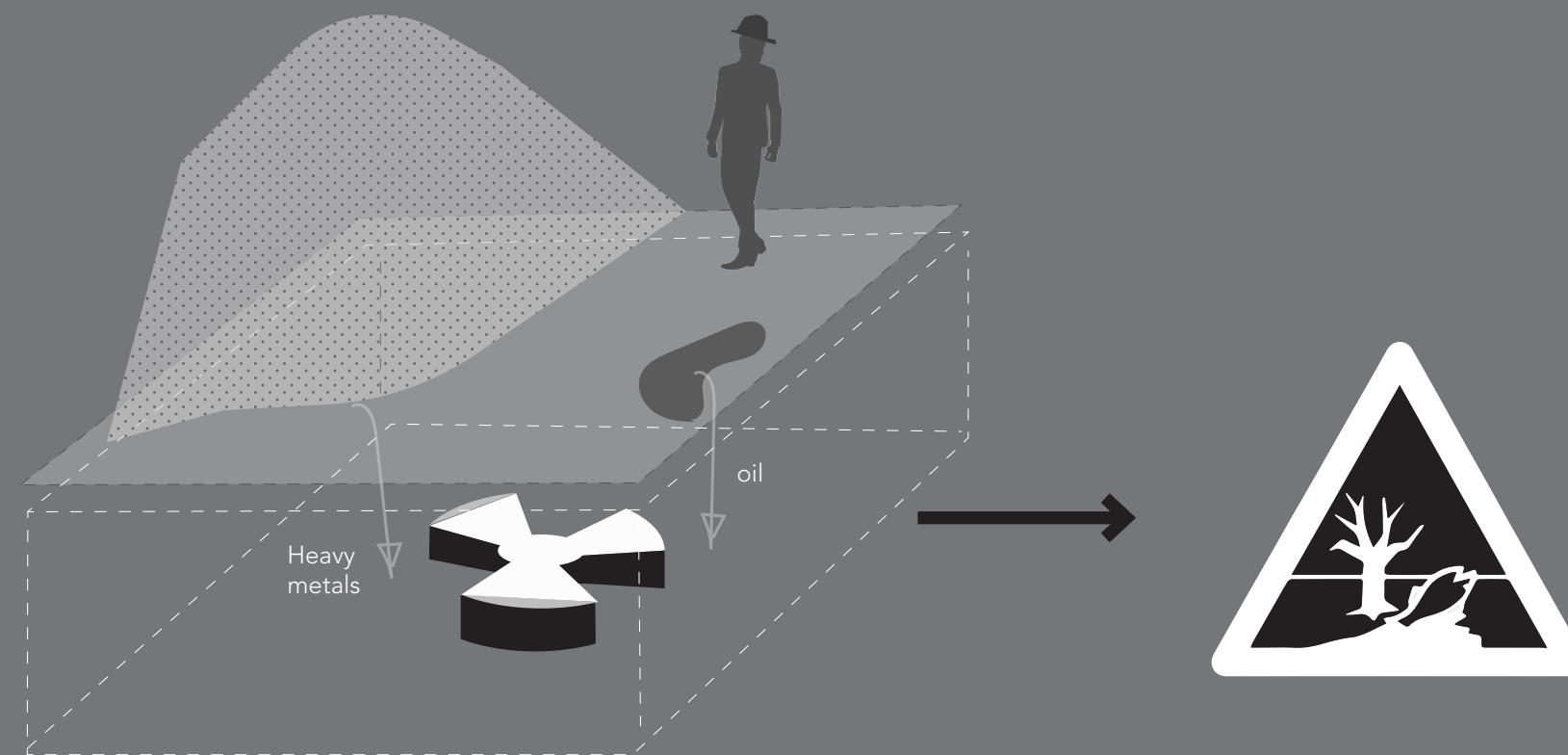






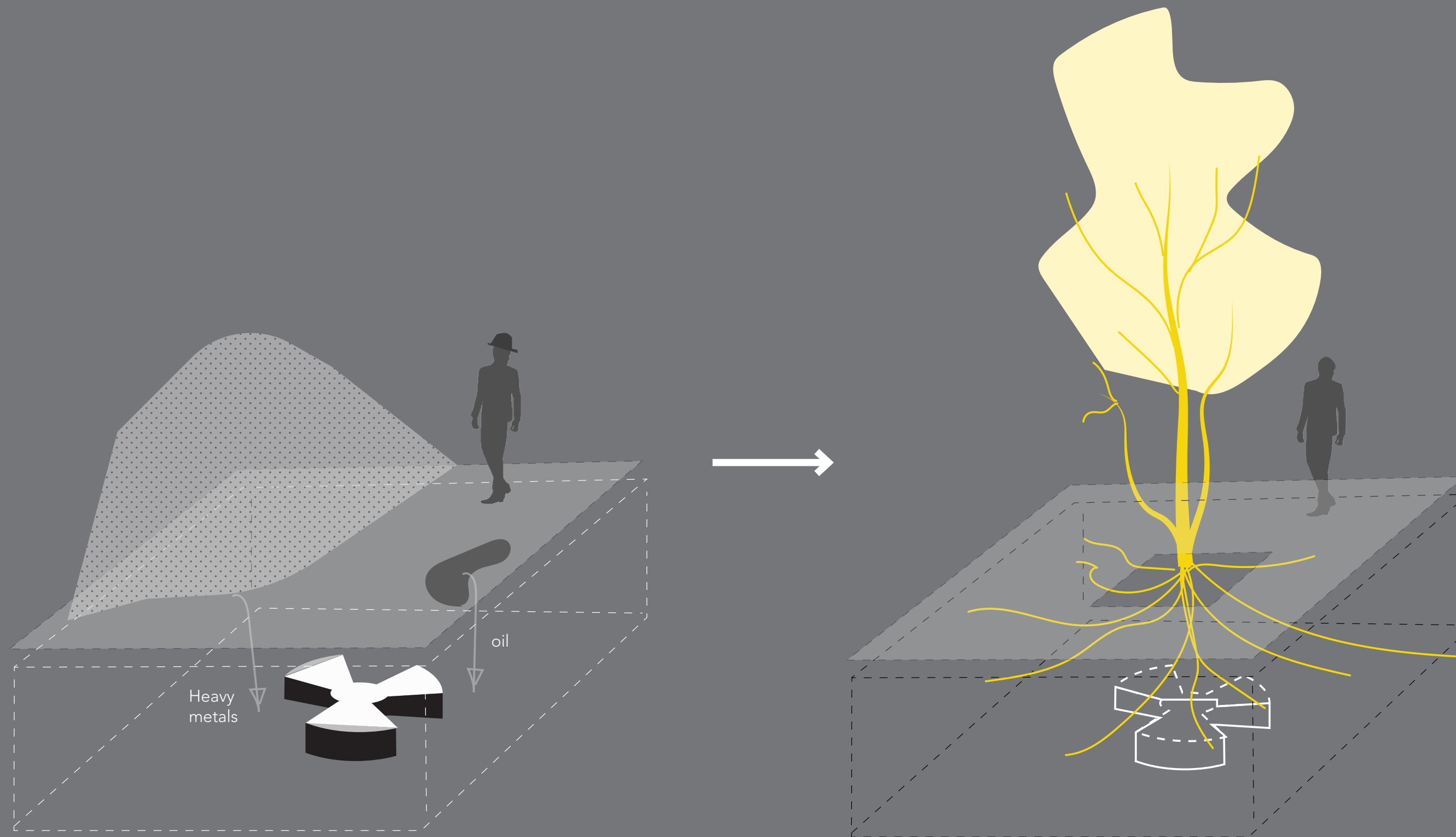


## Industrial Program: soil contamination





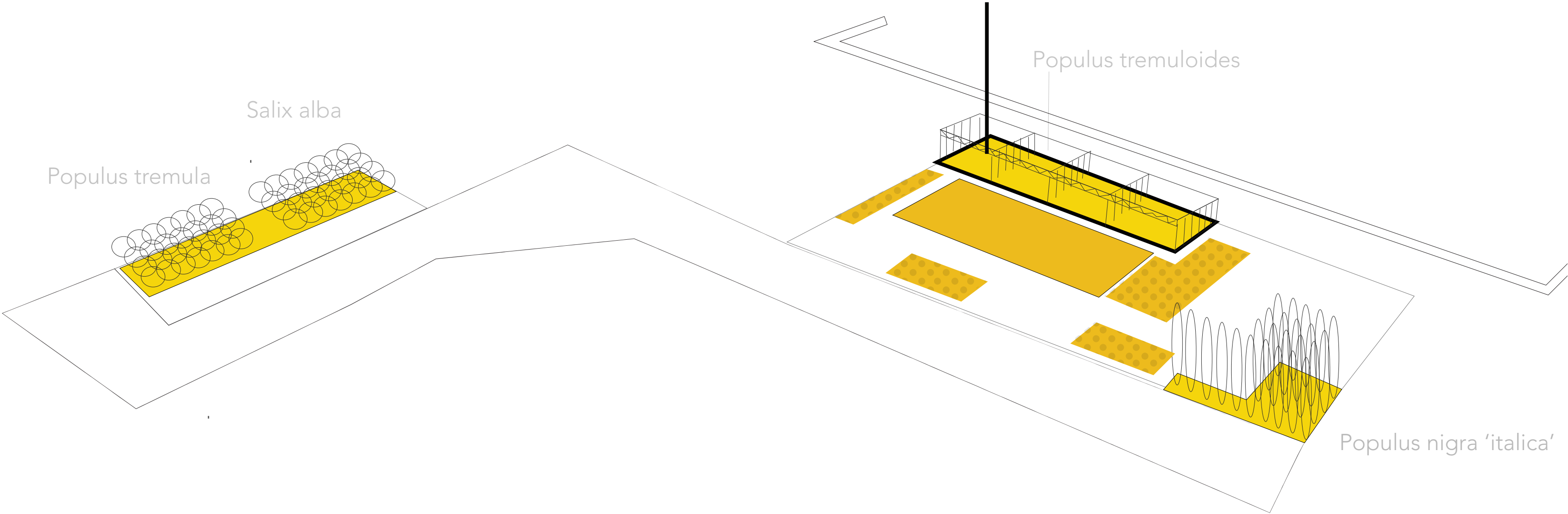
## Phytoremediation (decades)





# Industrial forest

## The Event





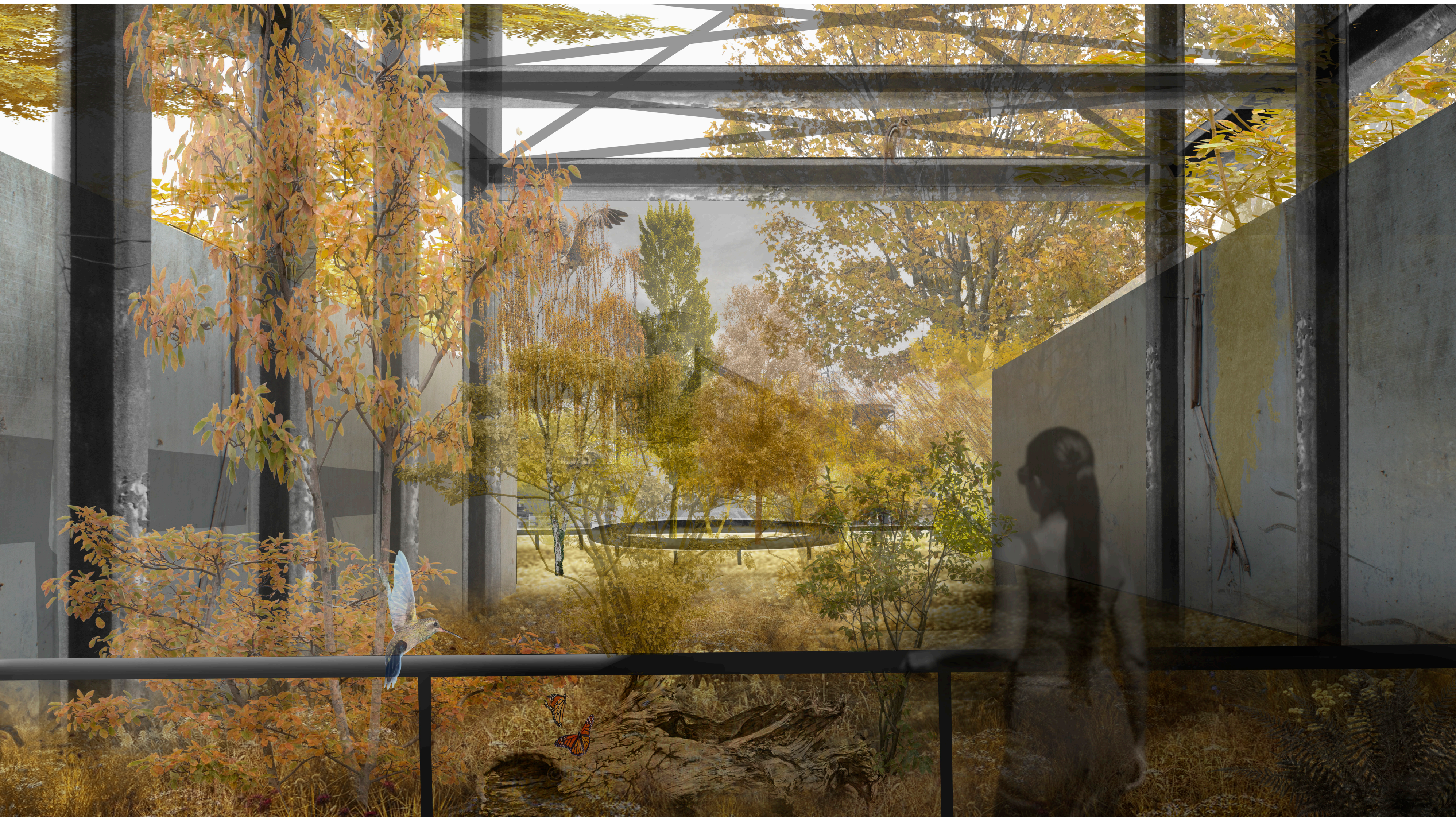




3

## Nature's Estate

30 years

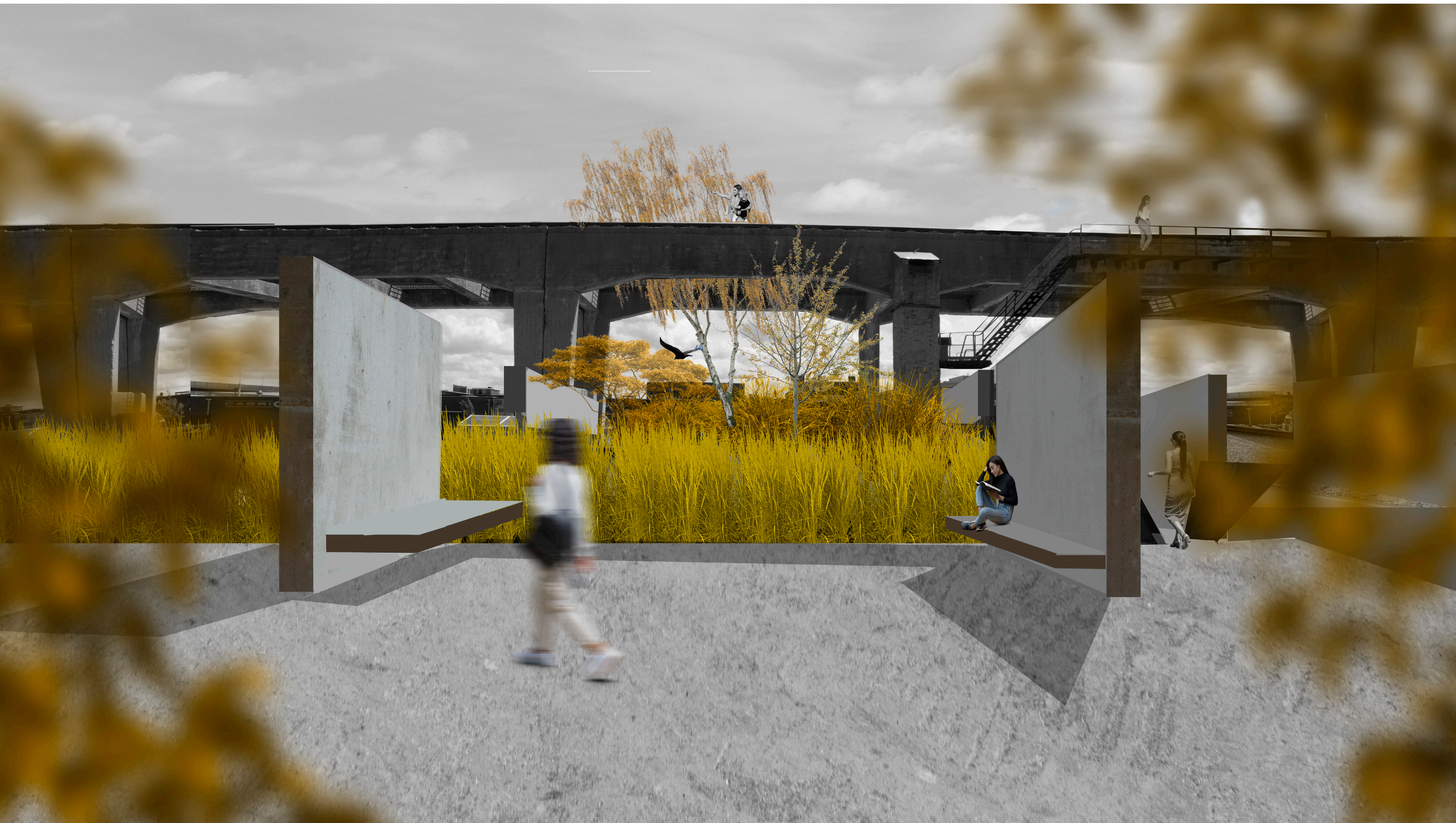




4

## Toxic Gardens: wall hideouts

30 years





5

## Toxic Gardens: Fern garden

30 years

Peat (soil), shaded (space), ferns planted (maintained), intimate route : valley (access)





6

## Toxic Gardens: Railway route

30 years





7

## Toxic Gardens: Playpark

30 years







3.

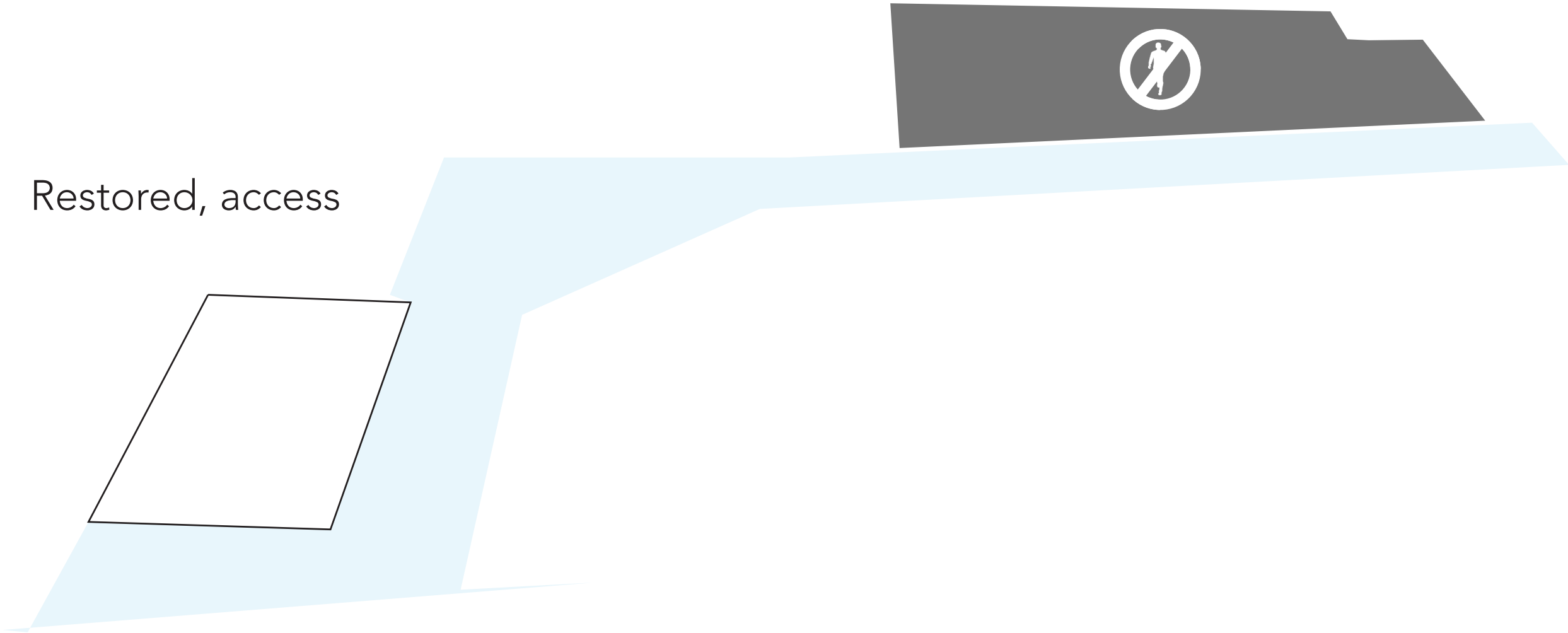
**Collapse as quality**  
(50+ years)



Divirging access

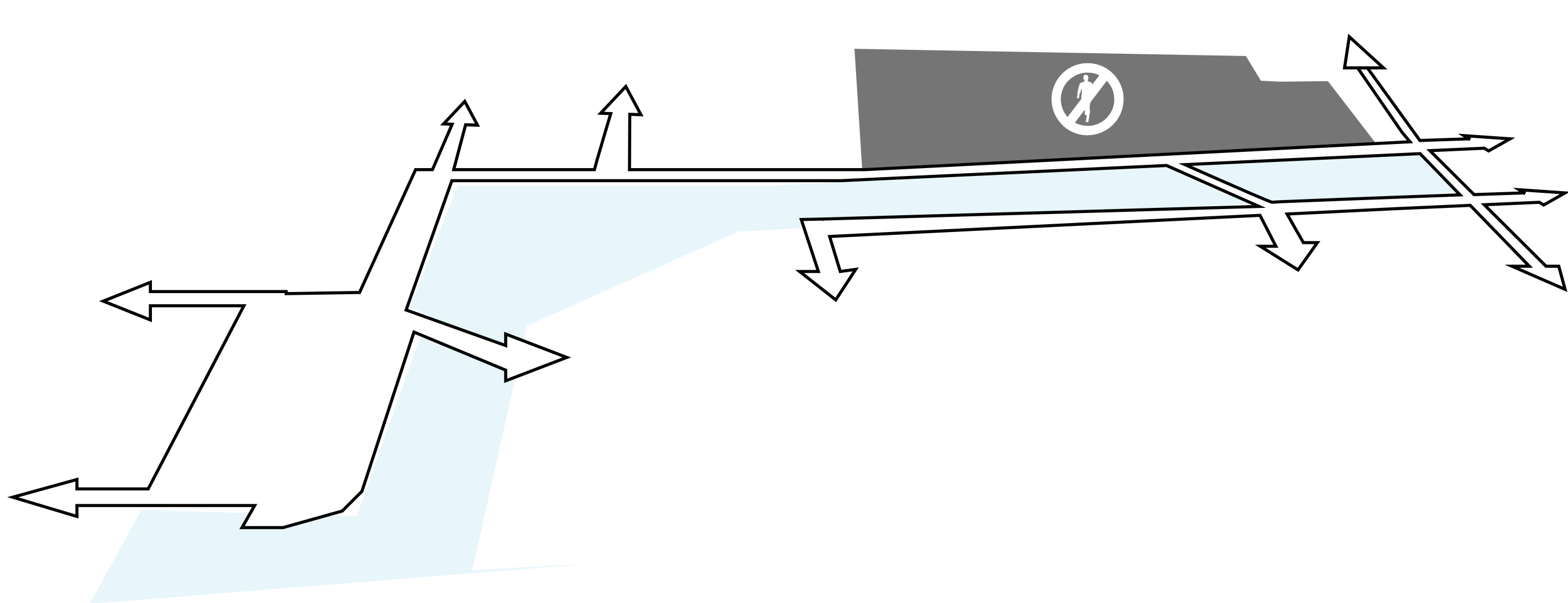
Collapse enable, no access

Restored, access



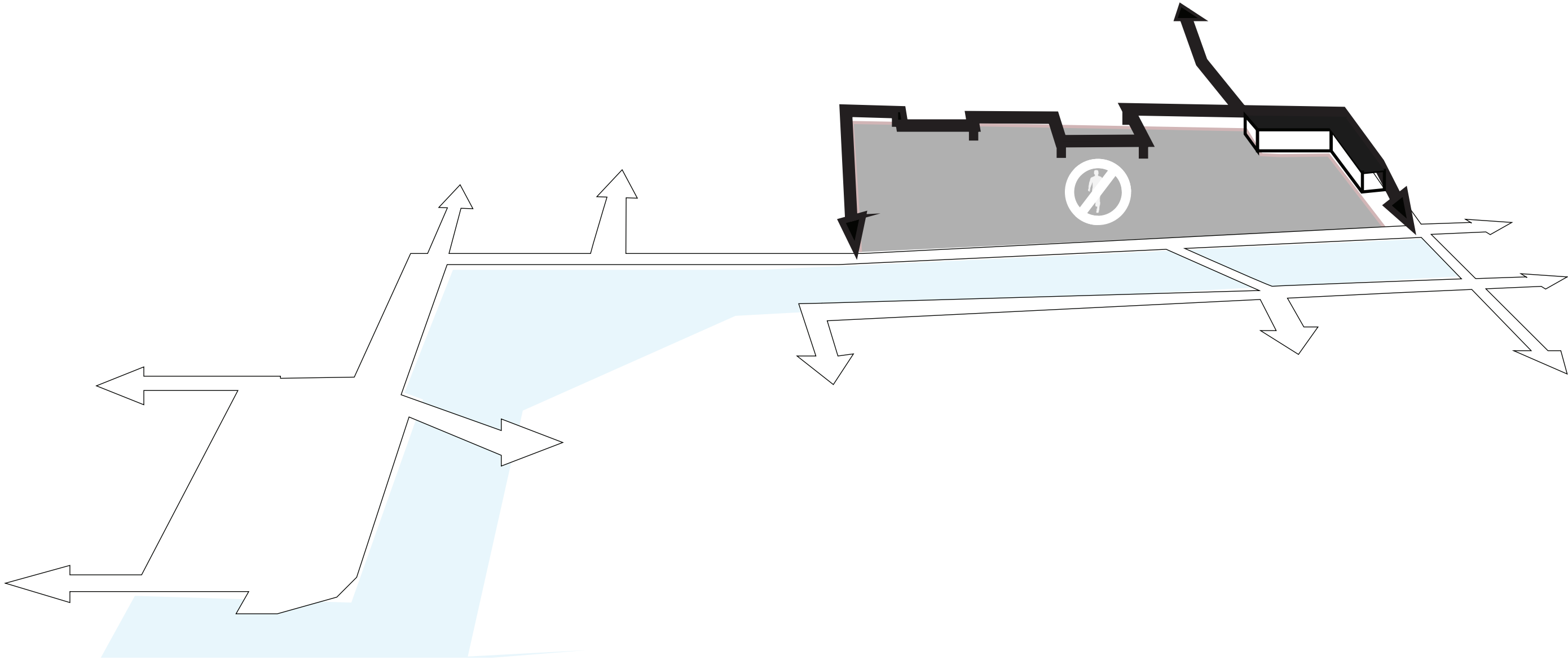


Boulevard connectivity





Exceptions





1

Cemetery-park

50+ years





2

## Visitors centre viewpoint

50+ years





3

## Tree top walk (former Event)

50+ years

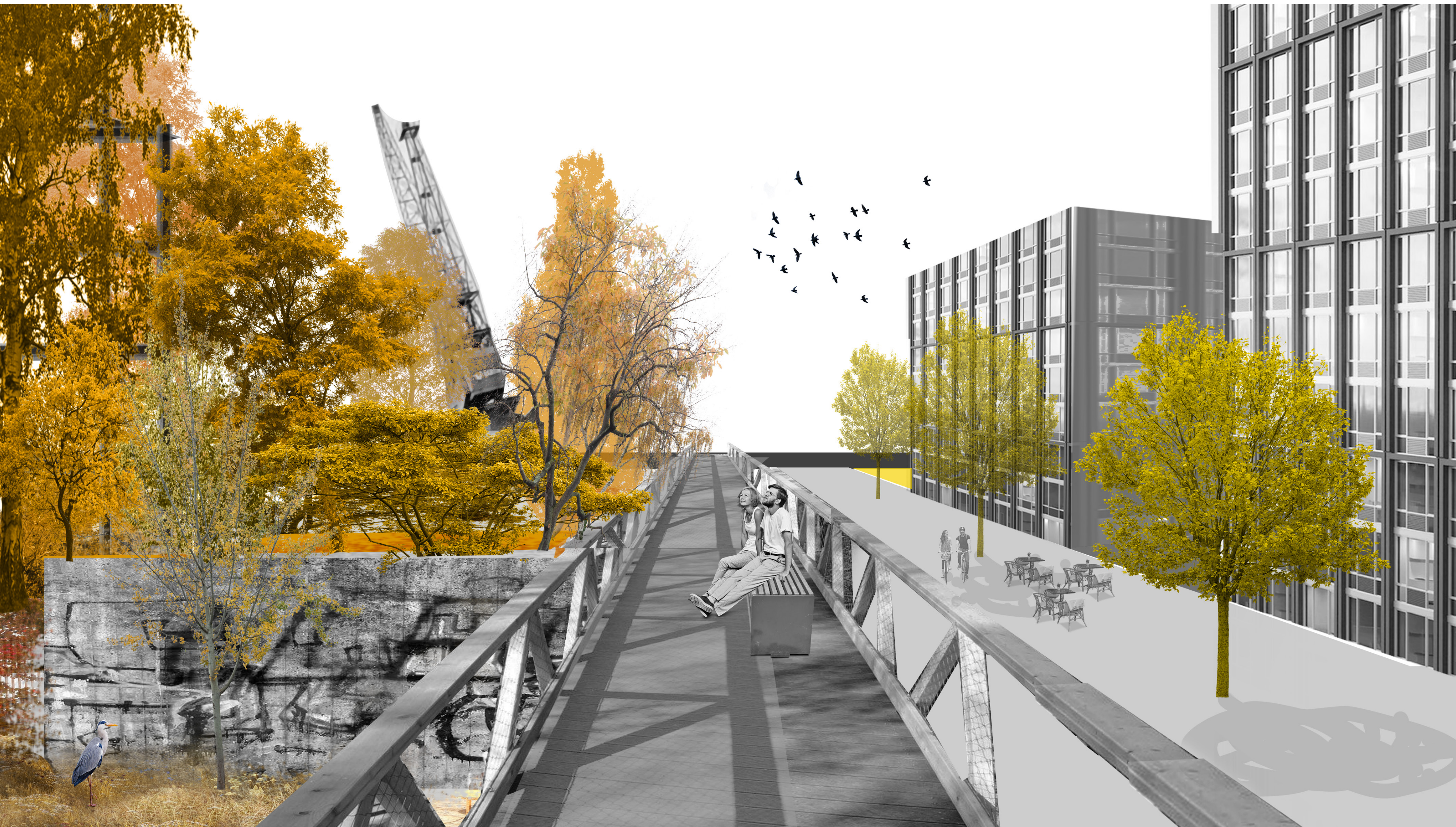




4

Contrast

50+ years





5

# The Shipwreck

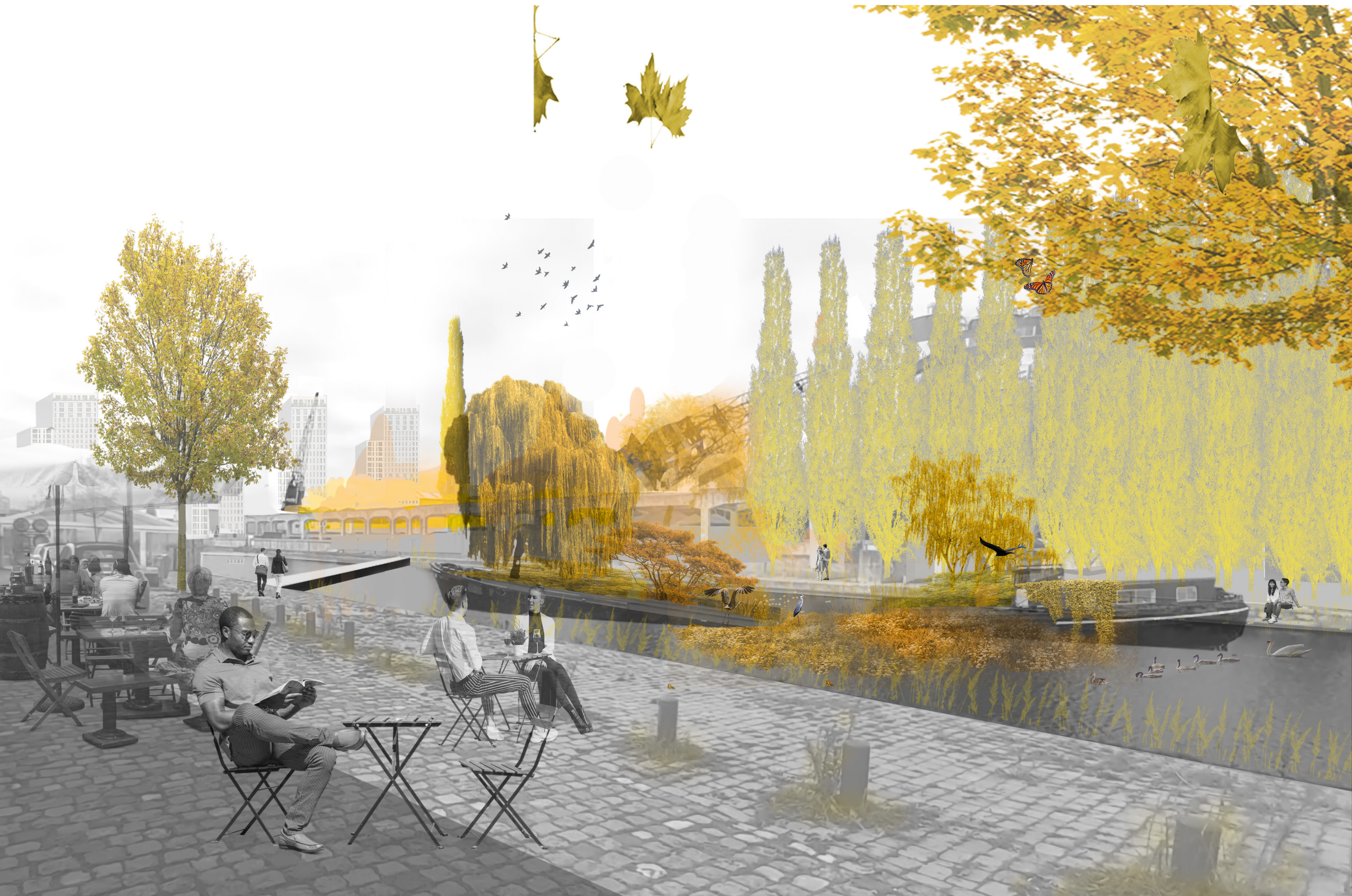
50+ years



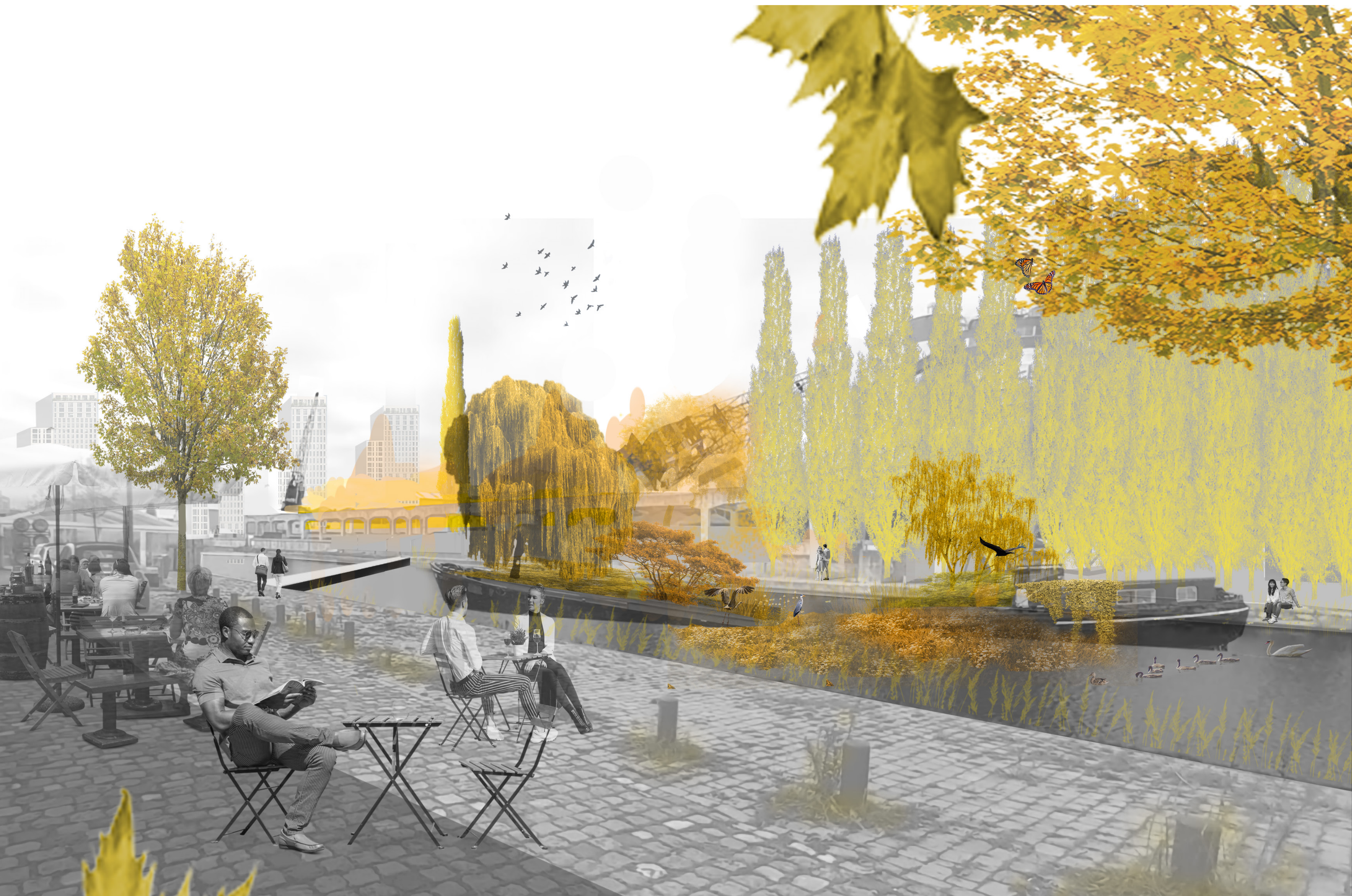




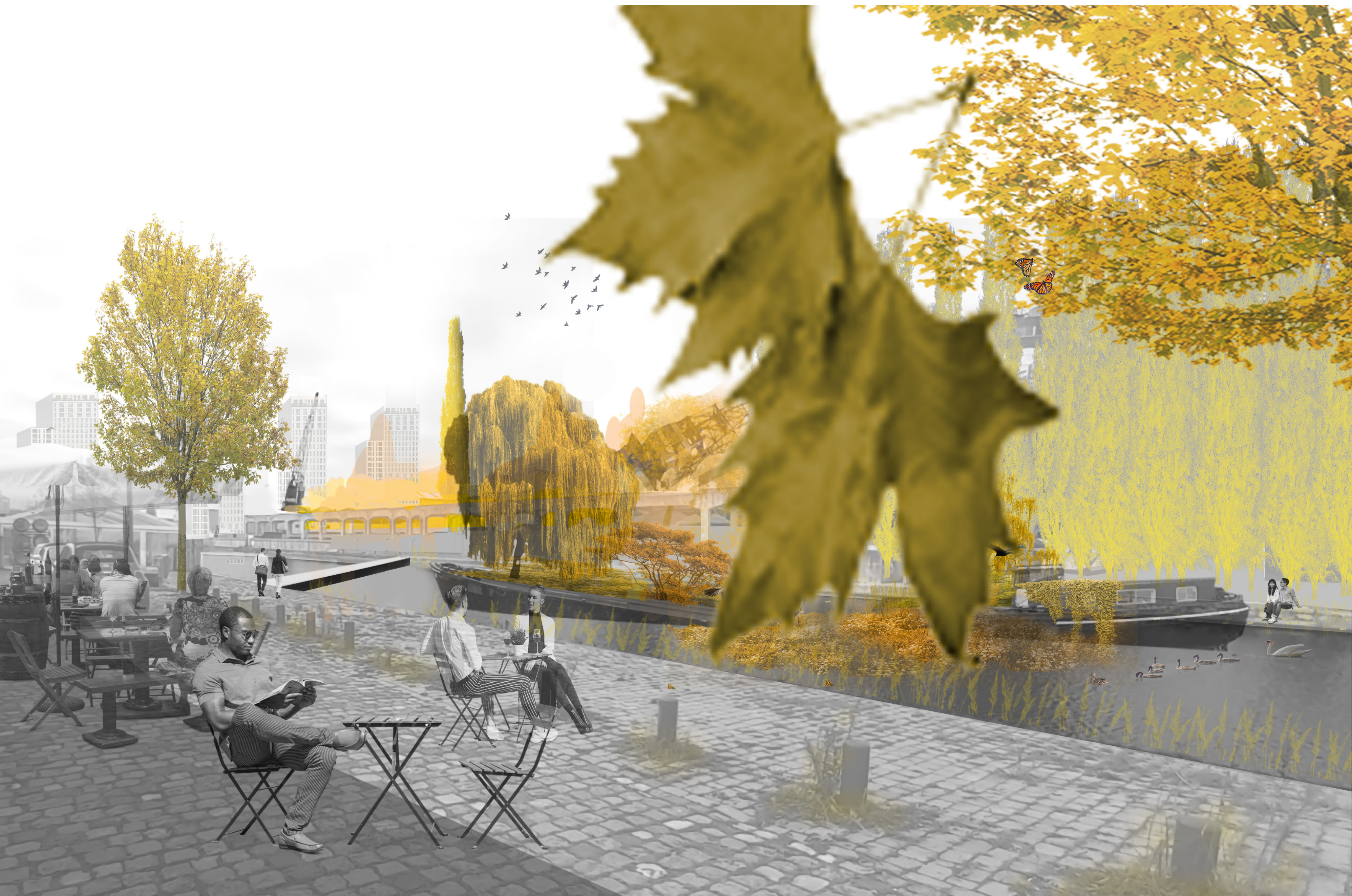


















Thank you for your attention.



# RESTORATIVE RUINE





RESTORATIVE

