

2022 Graduation Portfolio

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GSAPP ADVANCED ARCHITECTURAL DESIGN
2021-2022

Island in Flow
Decay in Silence

GSAPP ADVANCED STUDIO SUMMER 2021



Decay

Entropy

Growth

Self-growth and self-extinction of architecture

Once done, less human intervention is needed.

Silence

Observation

Immersion

High level of concentrate

Once inside, the mind is silence and concentrate on perception.

Theme



Decay in Silence

Observe Entropy

Immerse growth

Concentrate on Self-change of architecture

Everything goes to entropy

To observe entropy is a way to perceive

Site - Plank Bridge



Artificial Plank Bridge on Canal

Inland Area

Drought

Site - Water



Artificial Plank Bridge on Canal

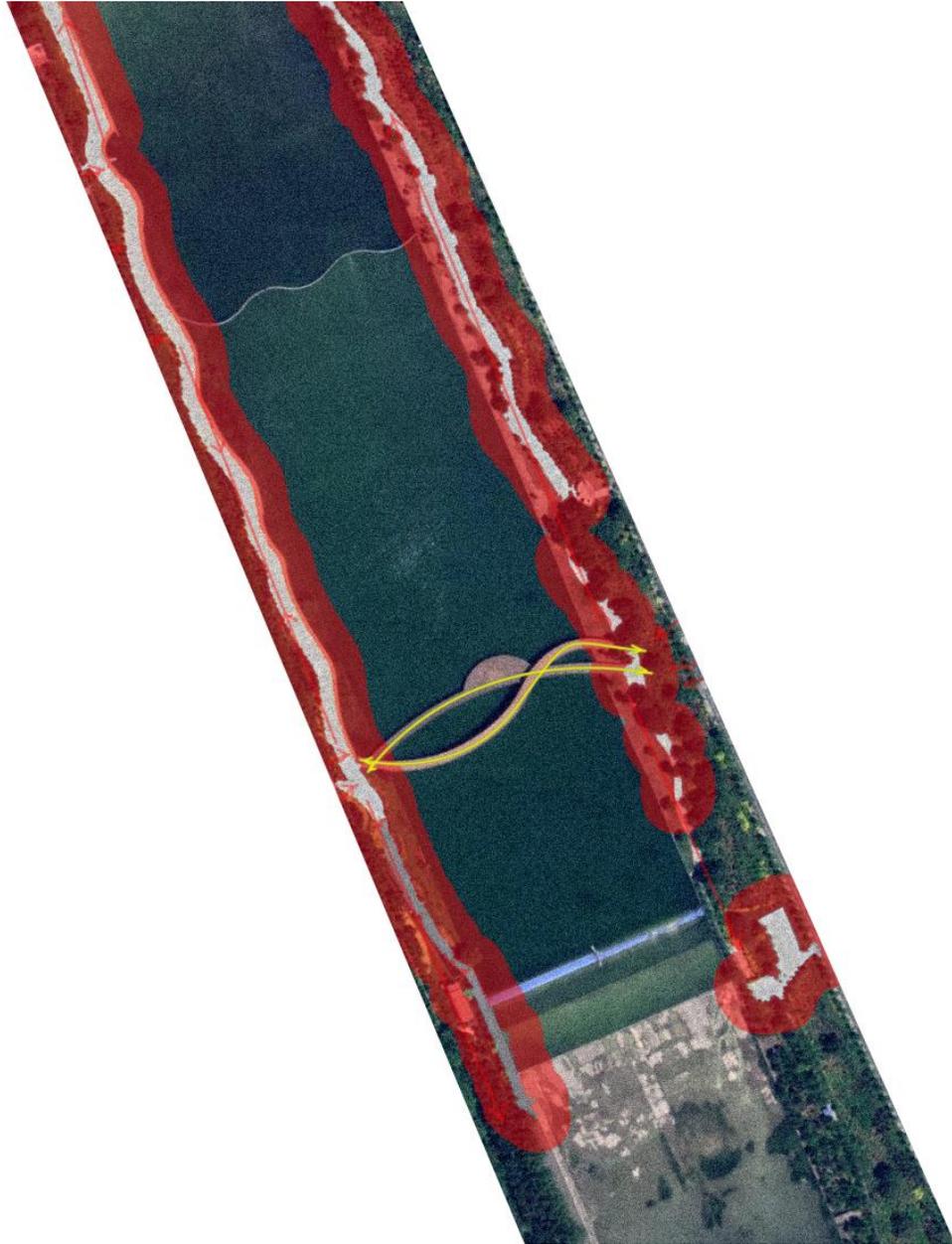
Inland Area

Drought

Assembly

Hydrophilic-Tendency to water

Site - By the river



Artificial Plank Bridge on Canal

Inland Area

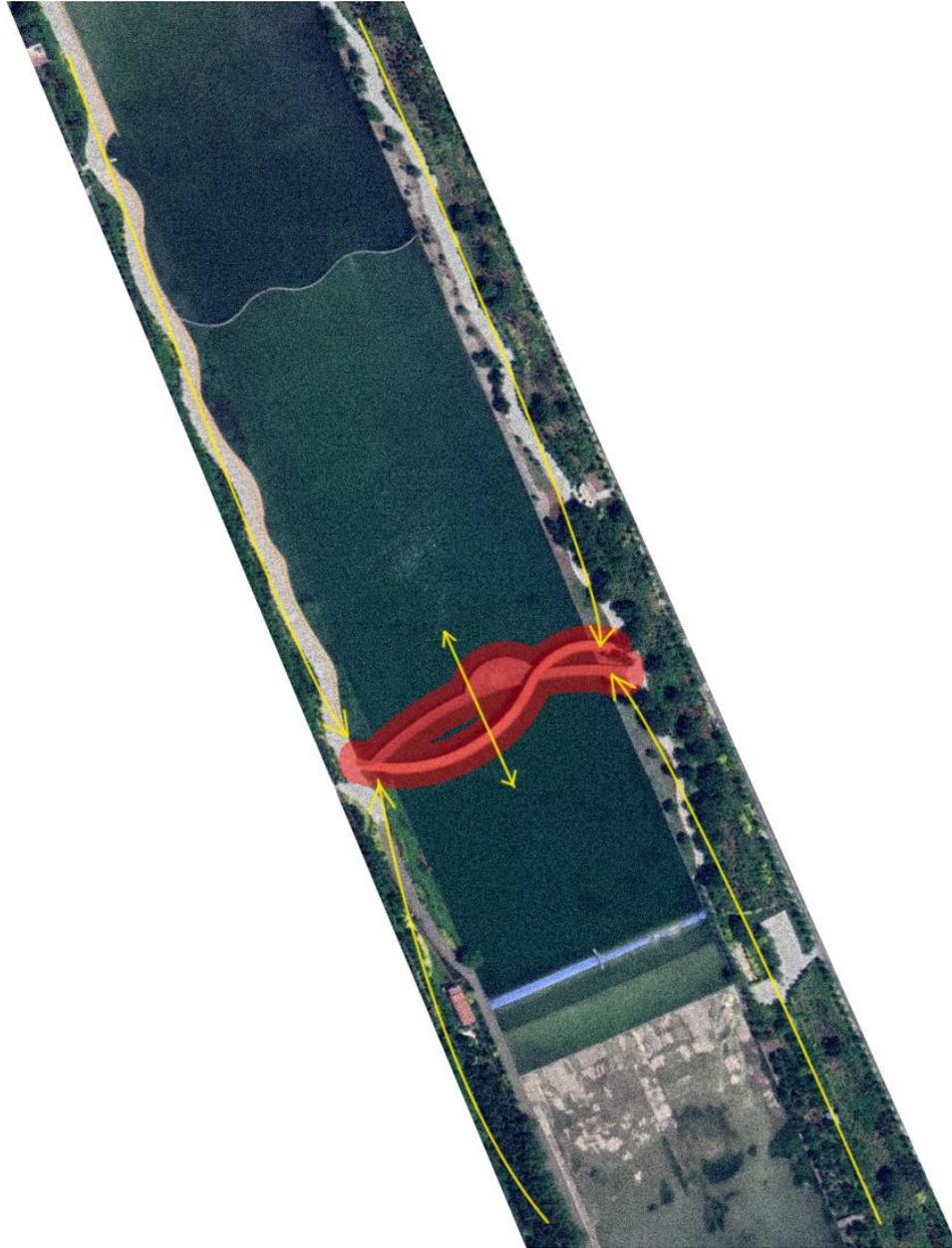
Drought

Assembly

Hydrophilic-Tendency to water

By the River

Site - Into the river



Artificial Plank Bridge on Canal

Inland Area

Drought

Assembly

Hydrophilic-Tendency to water

By the River

Over the River

Immerse the River

Growth of Site



2011



2014



2020



Growth of Nature
Growth of Artifact by Natural way

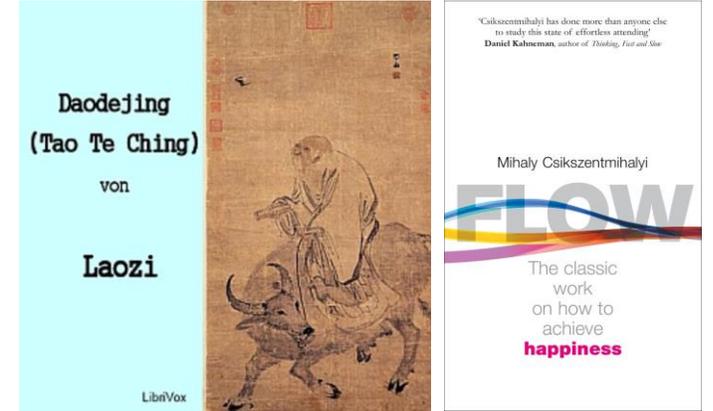
Cross the Plank Bridge to see
Nature across the Riverway

On the Plank Bridge to perceive
Nature on the Riverway

Natural ways to expand
&
Artificial extension

Natural Entropy Attached to the
Artifact
Self-growth and self-extinction of
architecture

Ephemeral Design & Flow



Ephemeral Design

Using material in the Nature itself

Landscape about

Season Time Temporal Fragile

More Flexible Medium

More Natural Form

Flow

WU WEI

Doing Nothing Rather than Effortlessness

lowering expectations

cherish the present

Flow - Water Flow to Please people

Site - Species



Great Crested Grebes
Podiceps Cristatus

Mainly on Fish

Prefer building nests in
Reedy waters

Dive to feed and escape

Being hunted for its feathers
leading to extermination



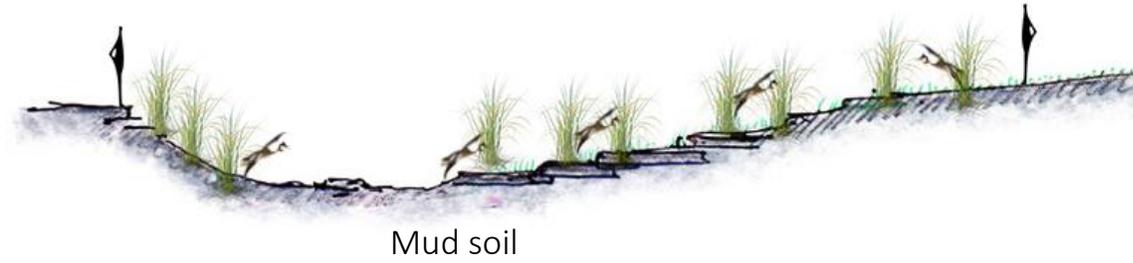
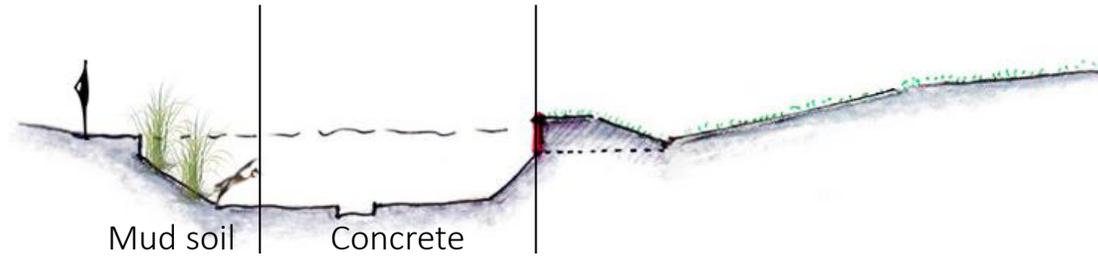
National Grade II
protected animal

Using reeds as nesting material

living in reeds with good
concealment conditions

Overwintering in the South

Site - Problem 1



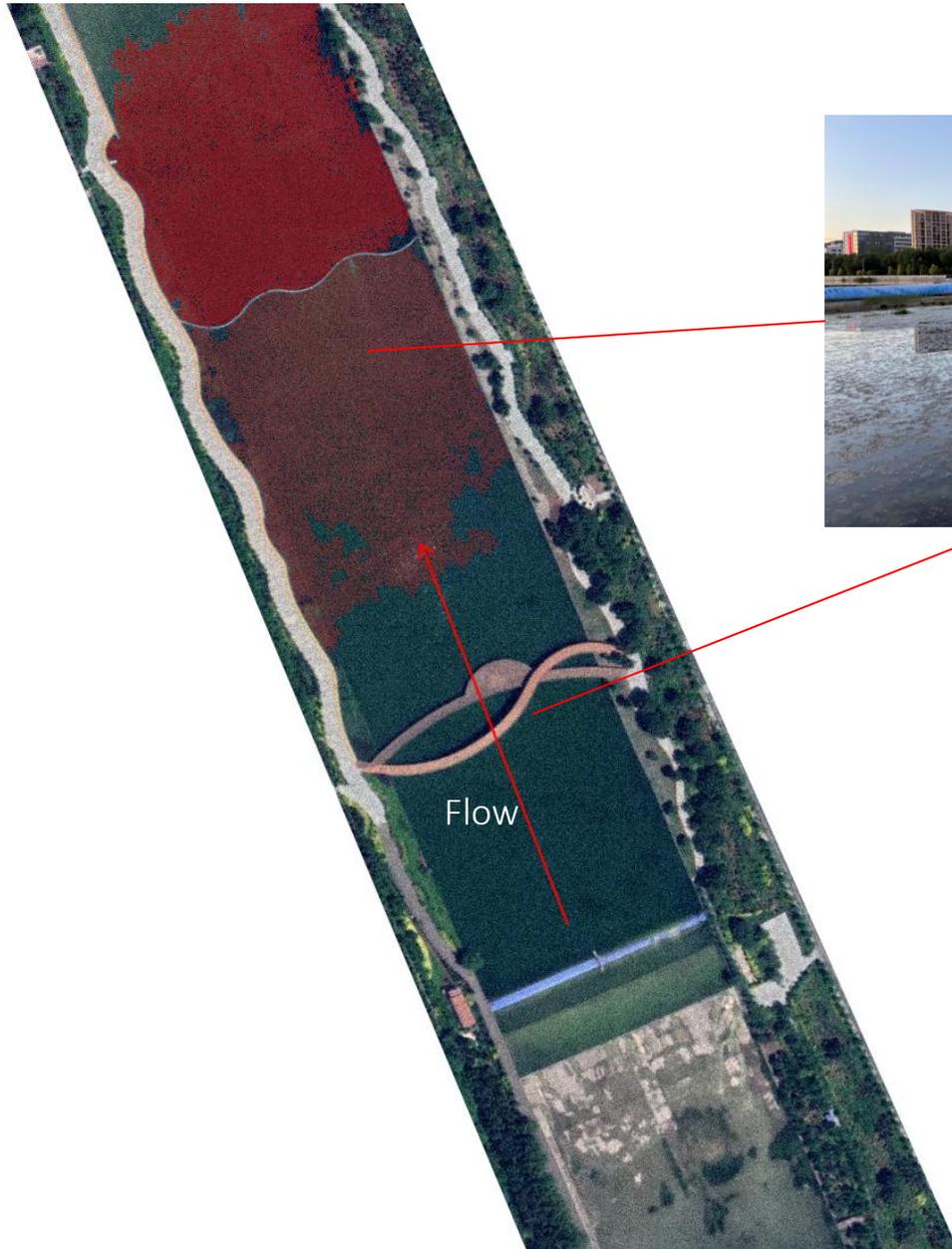
Problem:

Sight block between Grebes and Human
Limited reedy water and space for survival

Solution:

Change the Inner surface cover of the canal
Provide more nesting possibilities for Grebes

Site - Problem 2



Downstream



Upstream

Problem:

With the flow of more and more river pollution

Slow river flow weakens dikes

Solution:

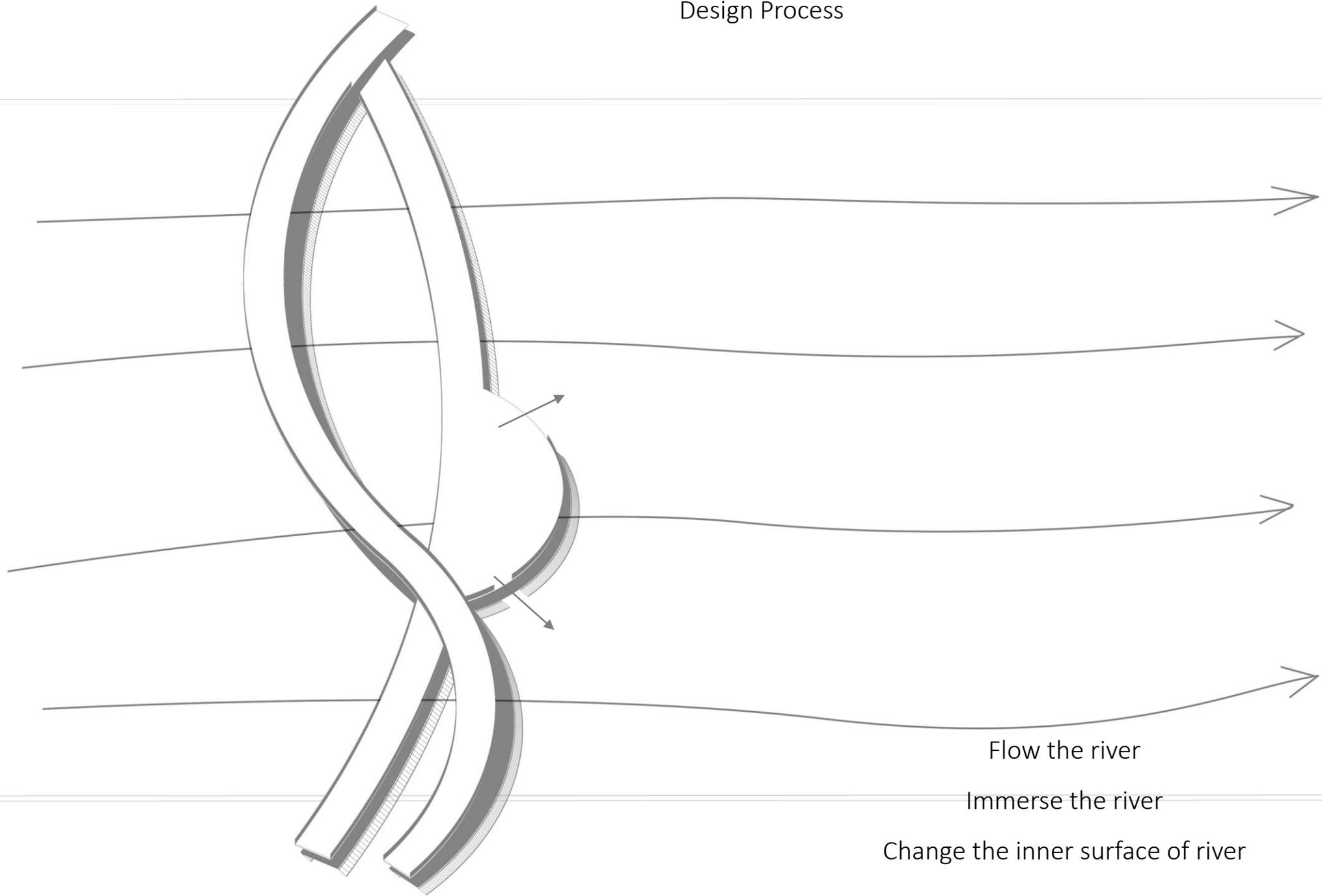
Create more sites that can absorb and purify water

Accelerate the flow of water and change the hydrostatic environment



Make home for Grebes
Make river Flow

Design Process

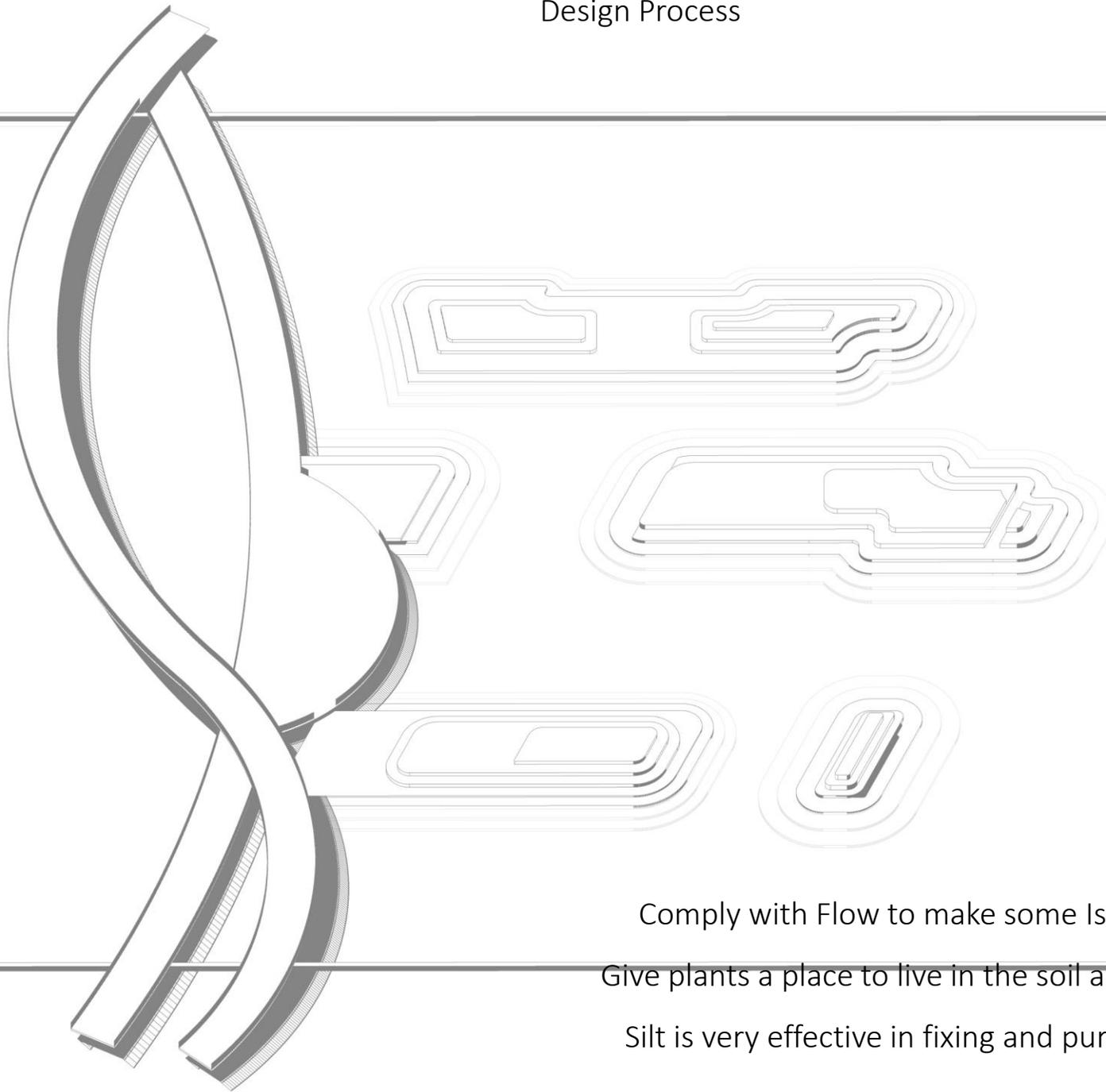


Flow the river

Immerse the river

Change the inner surface of river

Design Process

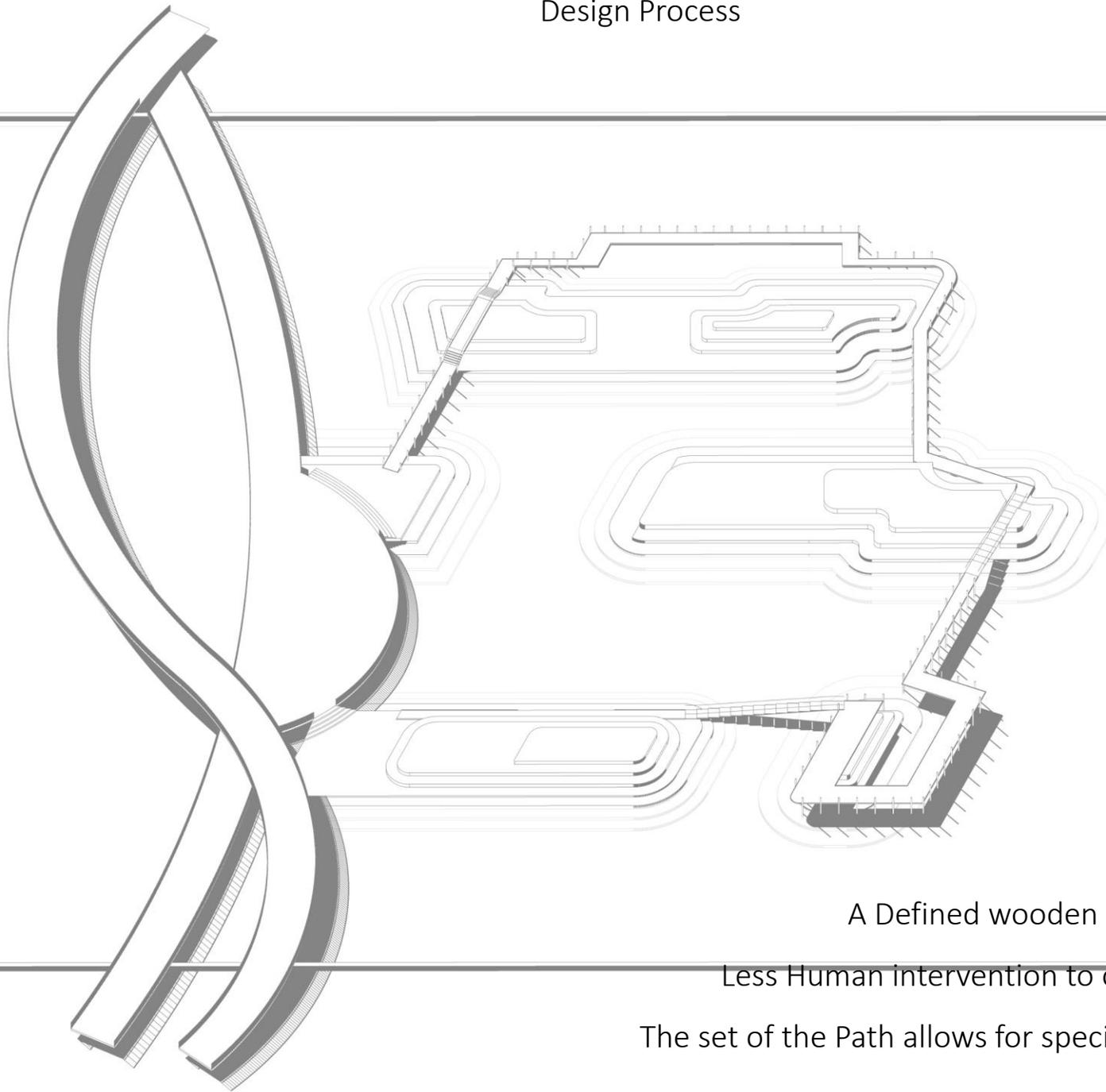


Comply with Flow to make some Island (mud/soil piles)

Give plants a place to live in the soil and for Grebes (reed)

Silt is very effective in fixing and purifying water pollution

Design Process

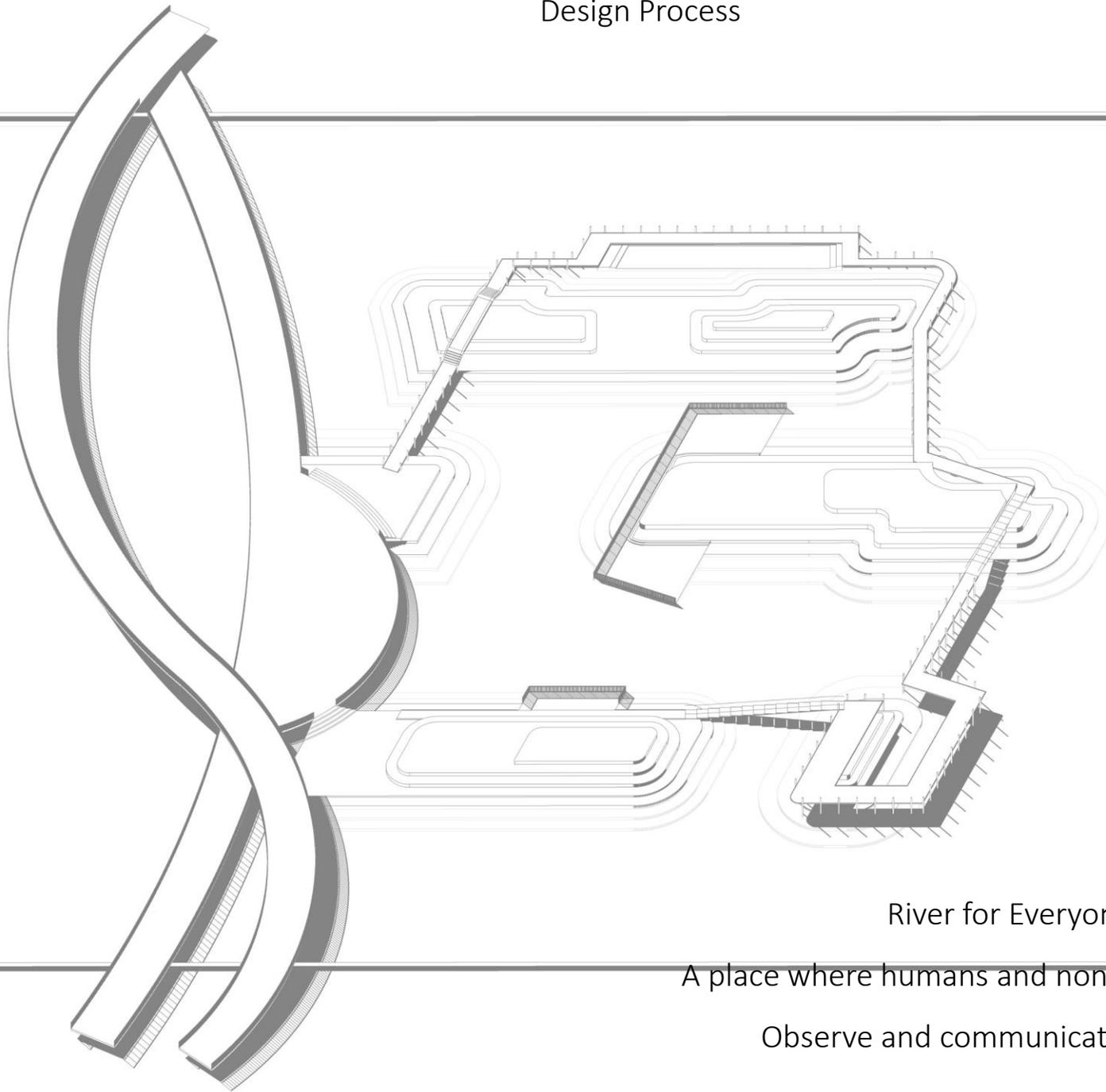


A Defined wooden Loop

Less Human intervention to observe spices

The set of the Path allows for special viewing Platforms

Design Process

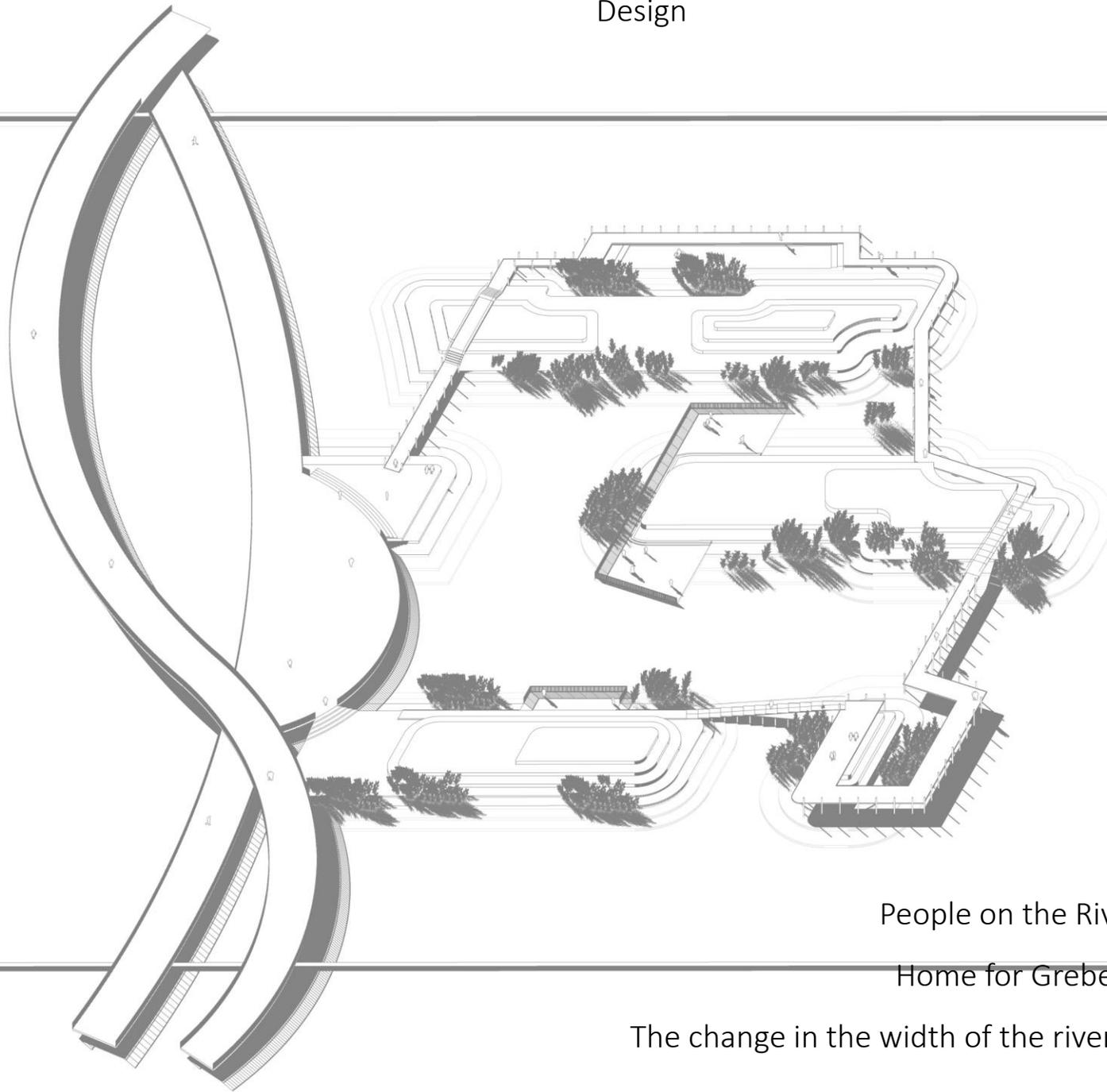


River for Everyone

A place where humans and non-humans interact

Observe and communicate in Silence

Design

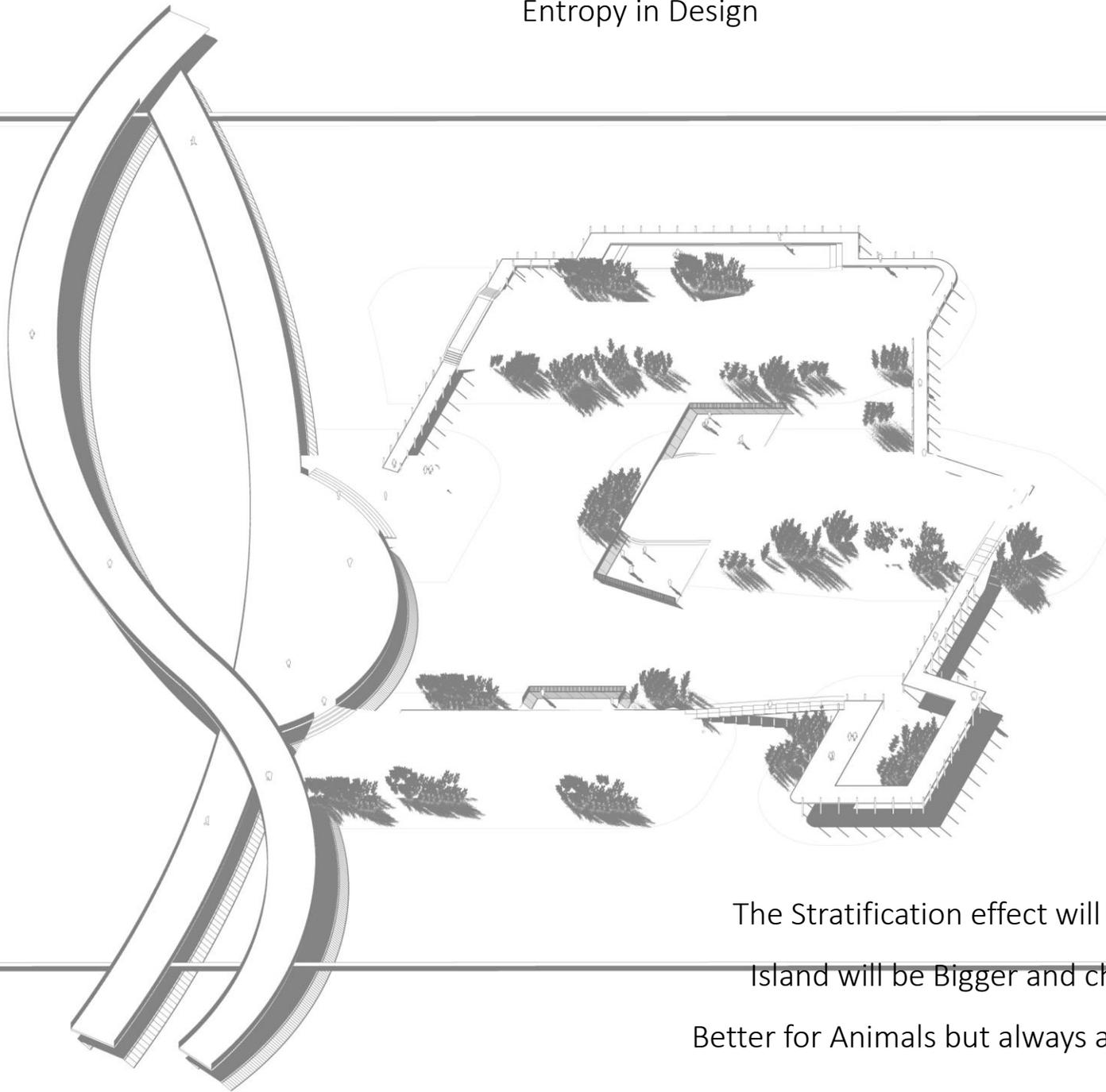


People on the River

Home for Grebes

The change in the width of the river accelerates the flow

Entropy in Design

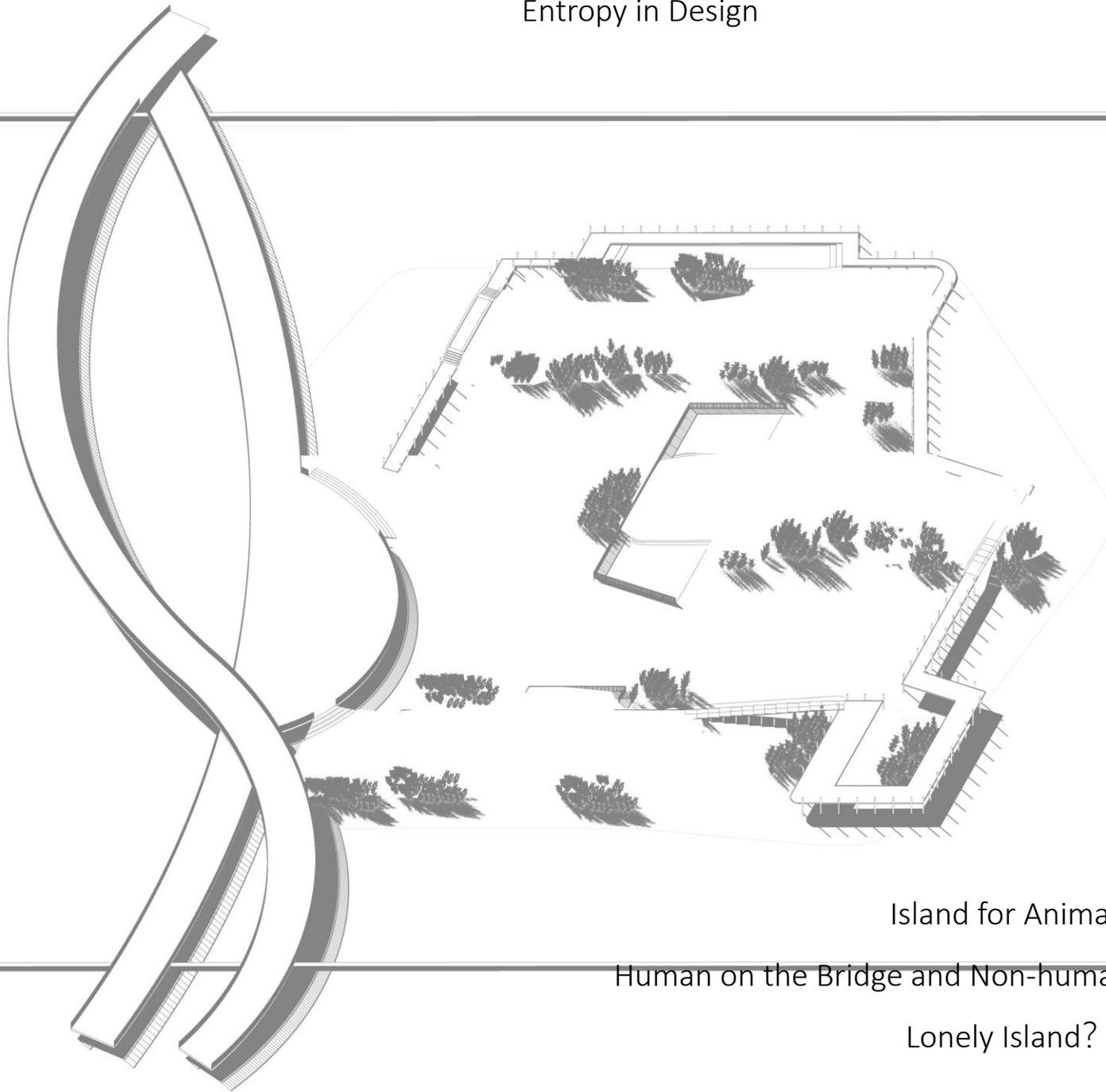


The Stratification effect will be weakened

Island will be Bigger and change shape

Better for Animals but always a path for human

Entropy in Design

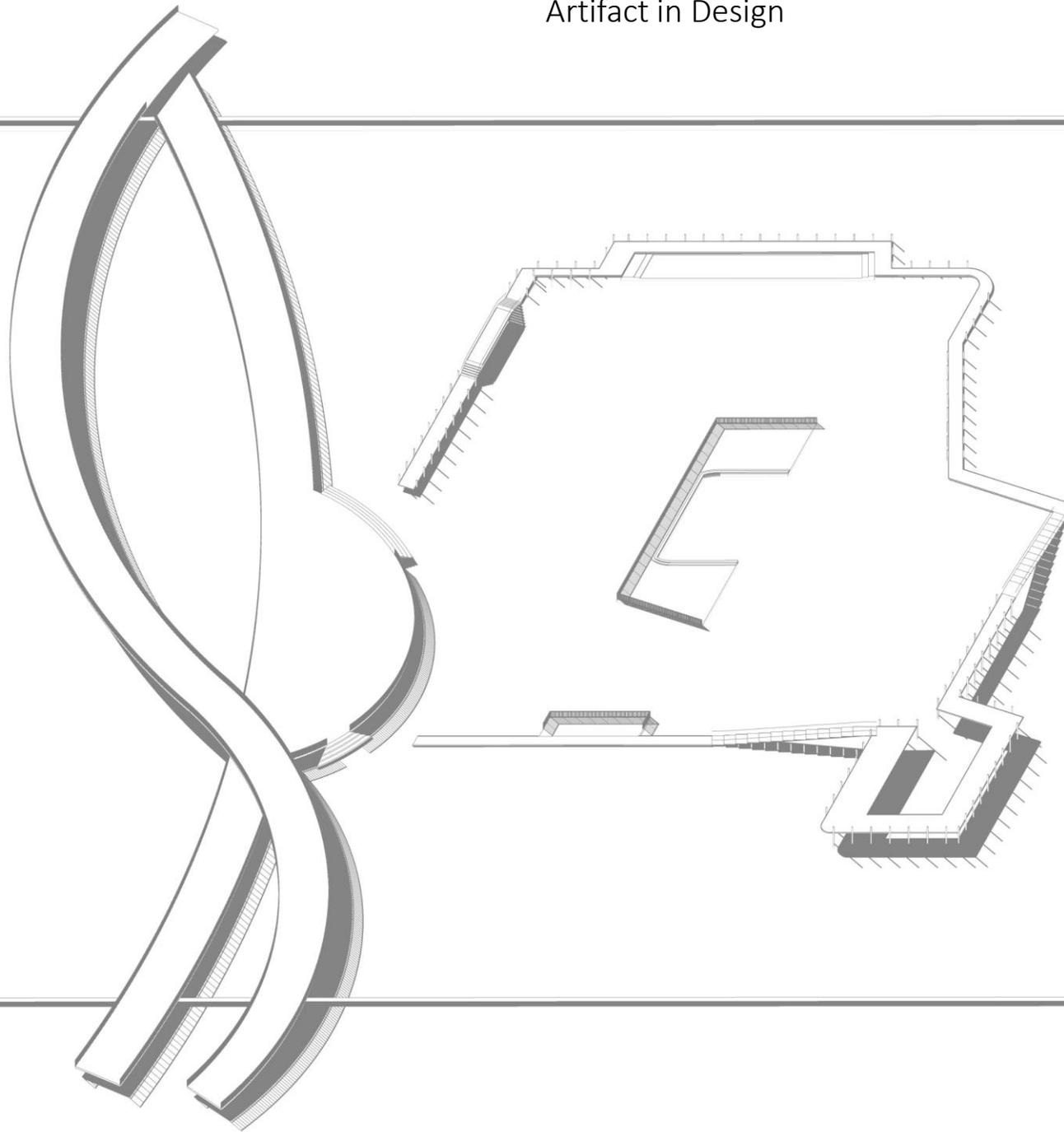


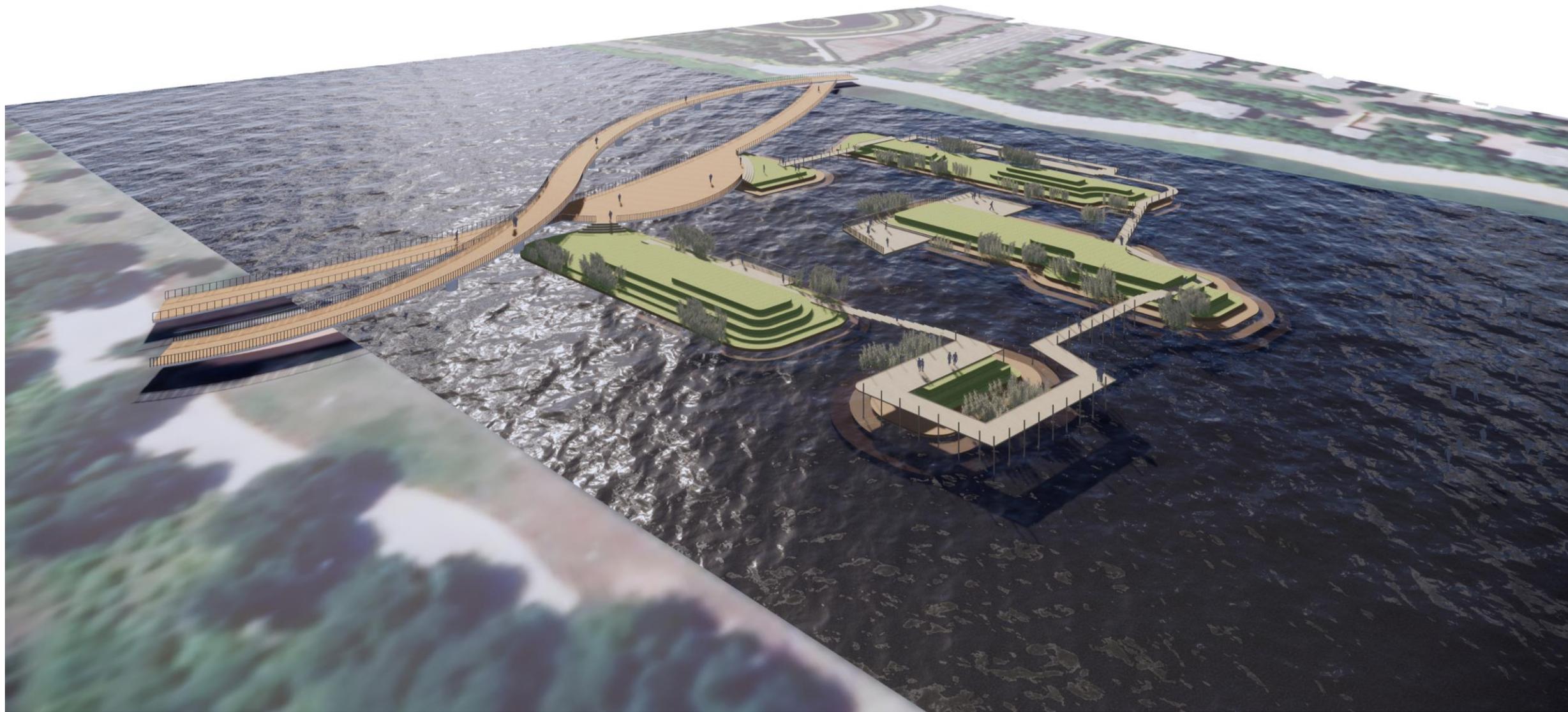
Island for Animals

Human on the Bridge and Non-human hiding on the Island

Lonely Island?

Artifact in Design

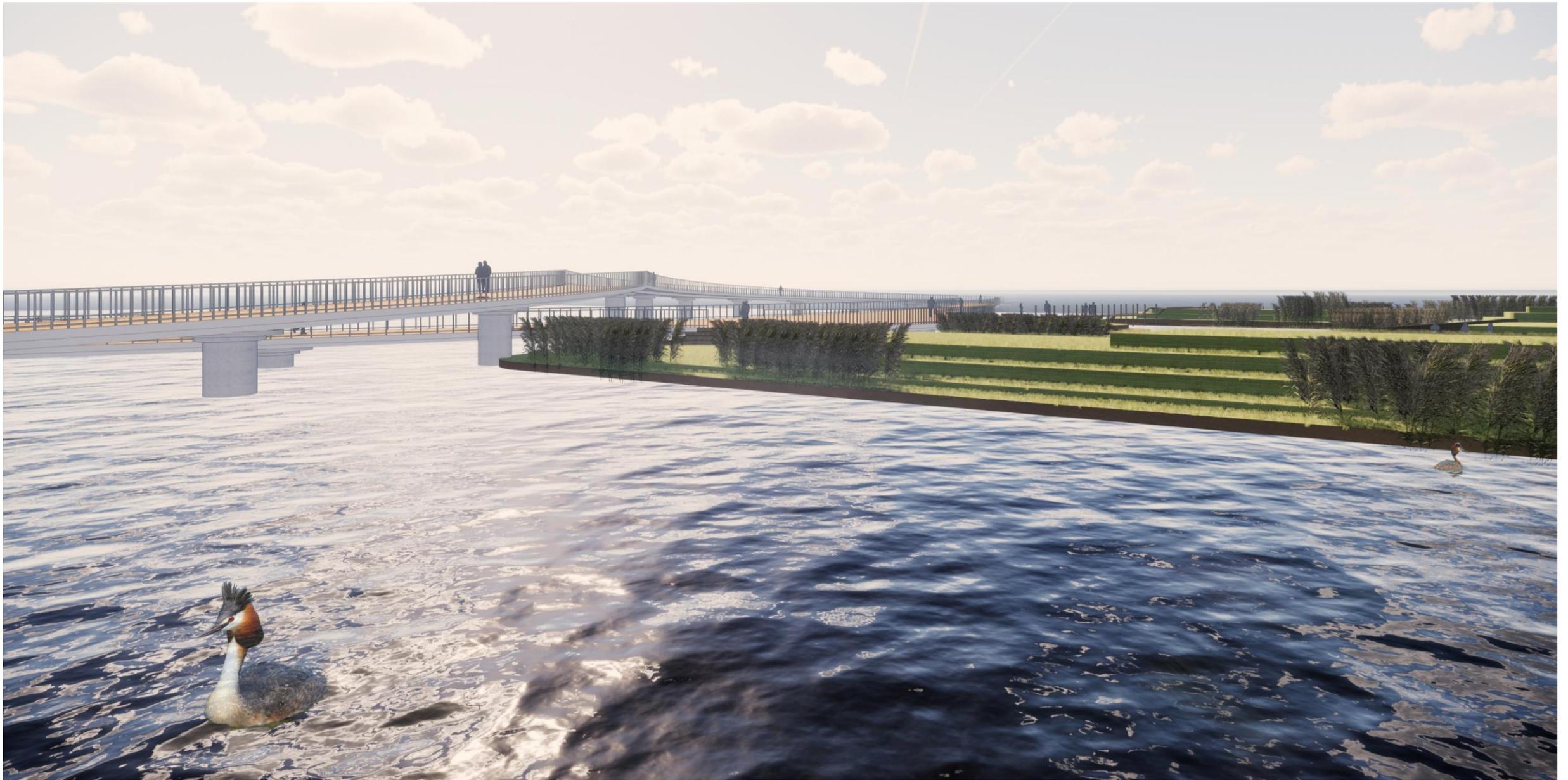












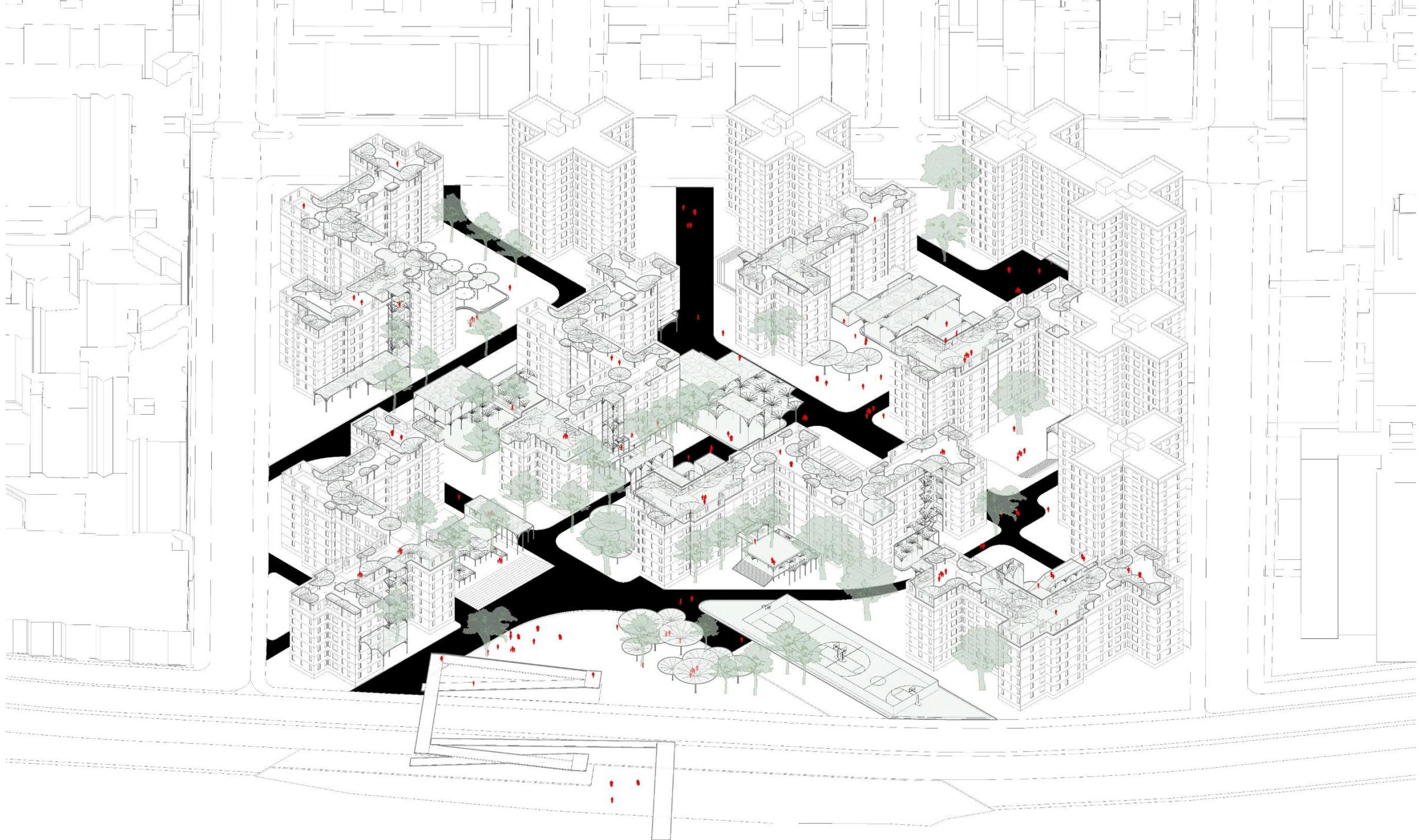


Thank you

TYPOLOGICAL CORRECTIONS
THE TRY FOR STOPPING BUILDING

GSAPP ADVANCED STUDIO VI FALL 2021

















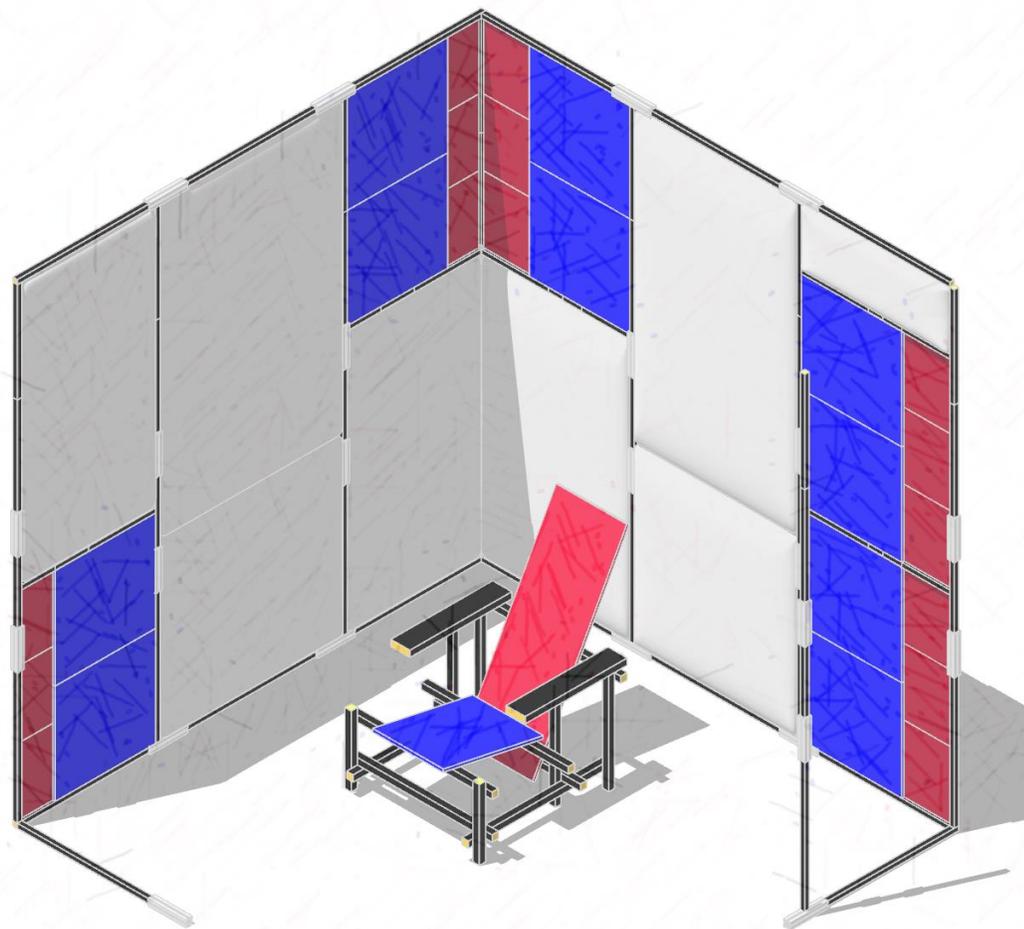




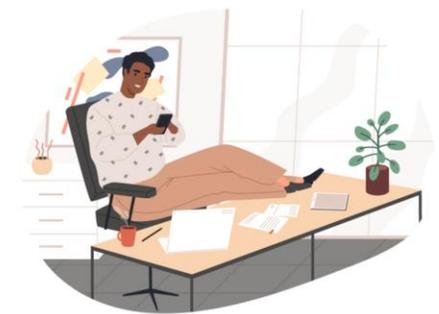






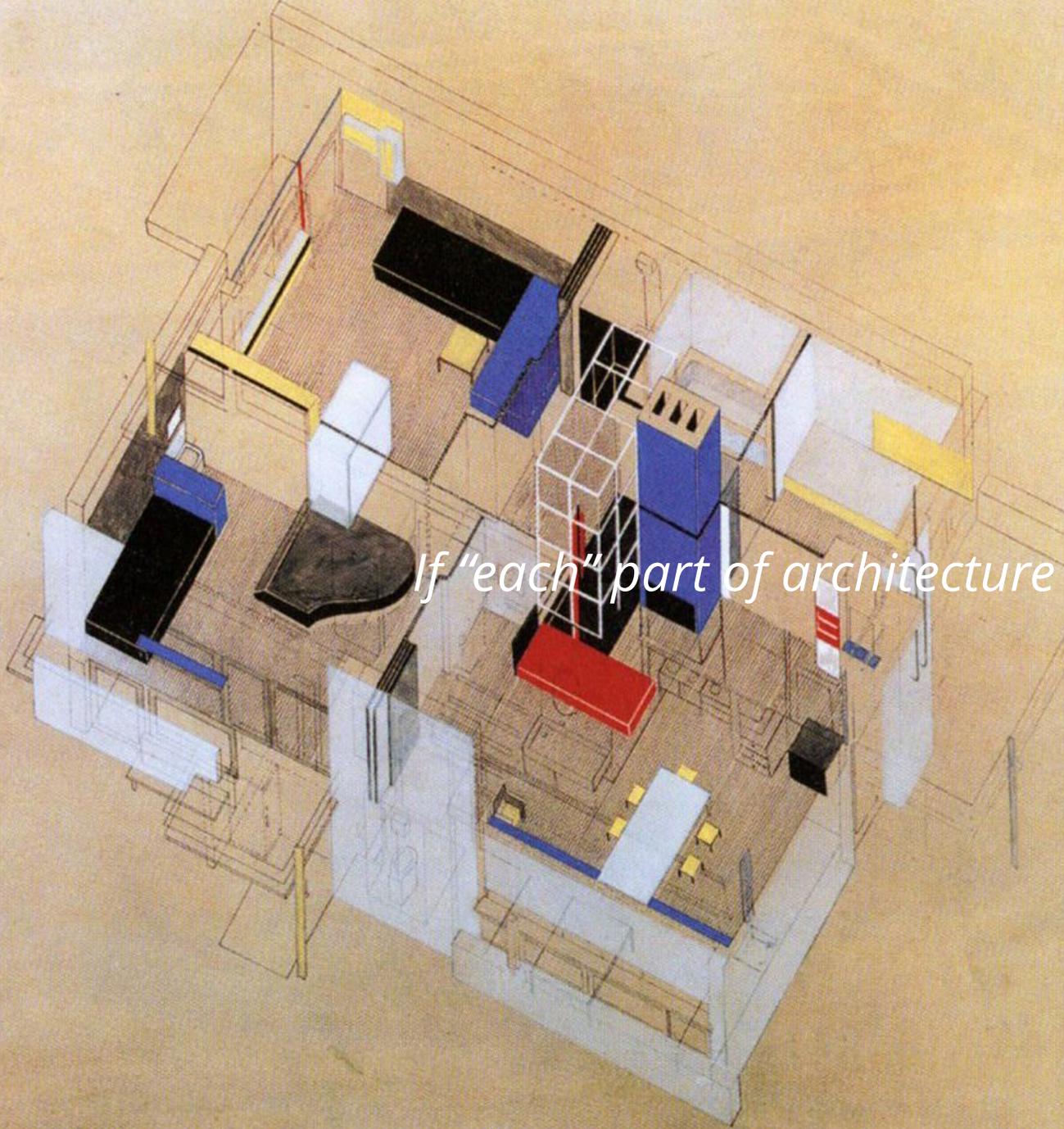


The Removal of Motion
Everything must Scale
-From A Chair



'Scale' is increasingly being used as shorthand for 'scale up' ("to grow or expand in a proportional and usually profitable way") and as a noun that means "proportional growth especially of production or profit" and/or "a large market position."

The way we work
Assembled Architecture
Portable Architecture



If "each" part of architecture can be made to "SCALE"

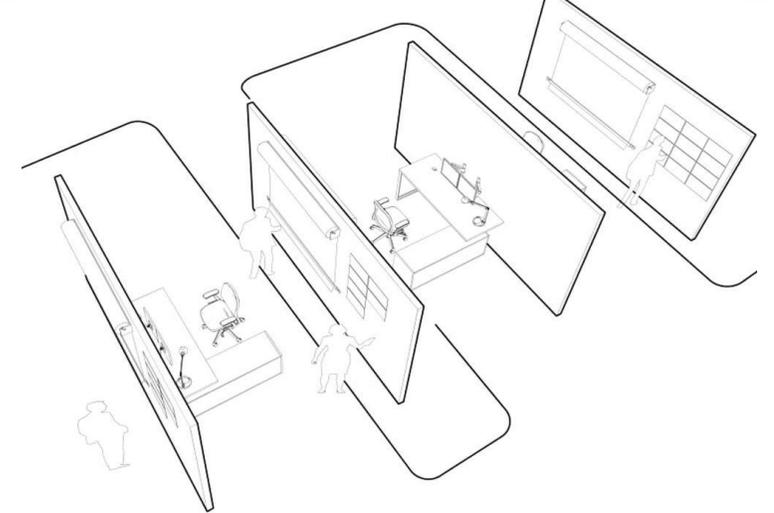
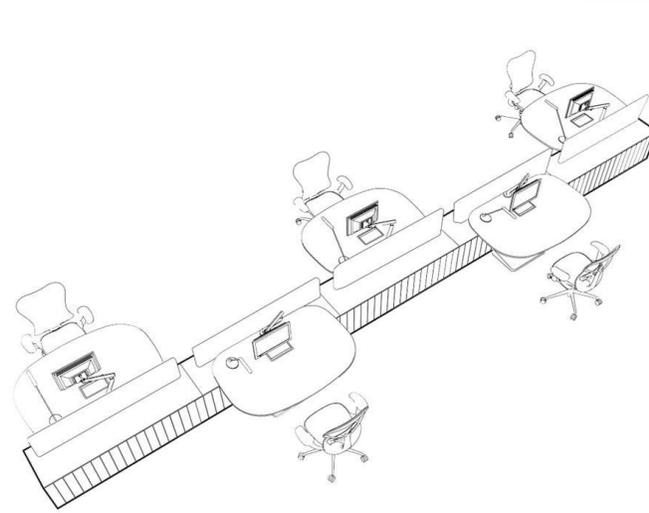
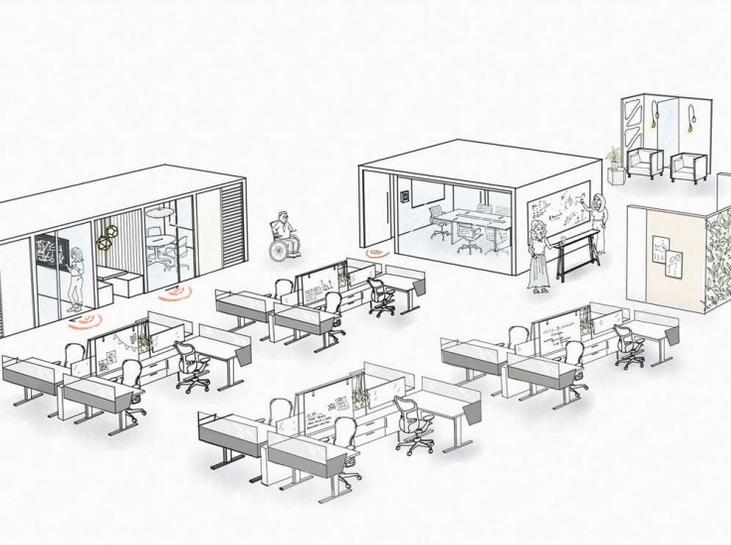
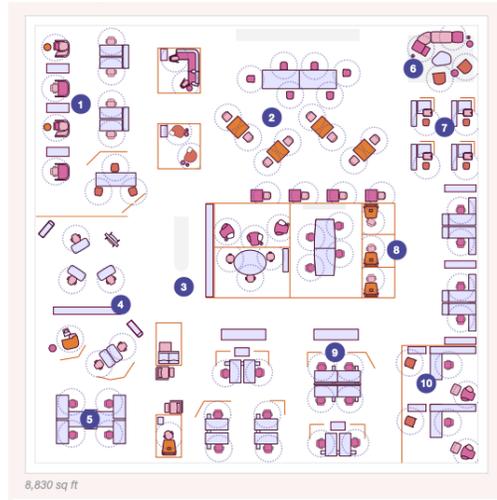




Hoping that much of his furniture would eventually be mass-produced rather than handcrafted, Rietveld aimed for simplicity in construction. The pieces of wood that compose the Red Blue Chair are in the standard lumber sizes readily available at the time.

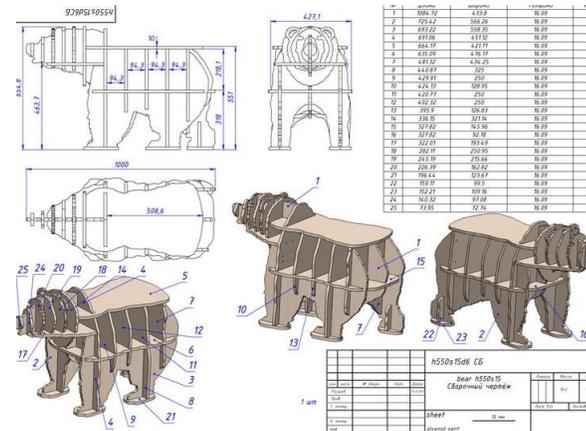
Neo-Plasticism:

For Rietveld, more important than the chair's function was the way in which the chair structured the space in which it was placed, the chair becoming more of a sculpture, a work of fine art.



The key to preparing the workplace for people requires changing the density, geometry and division of the space.

What focus on is how to quickly and efficiently hack or DIY their existing workplace

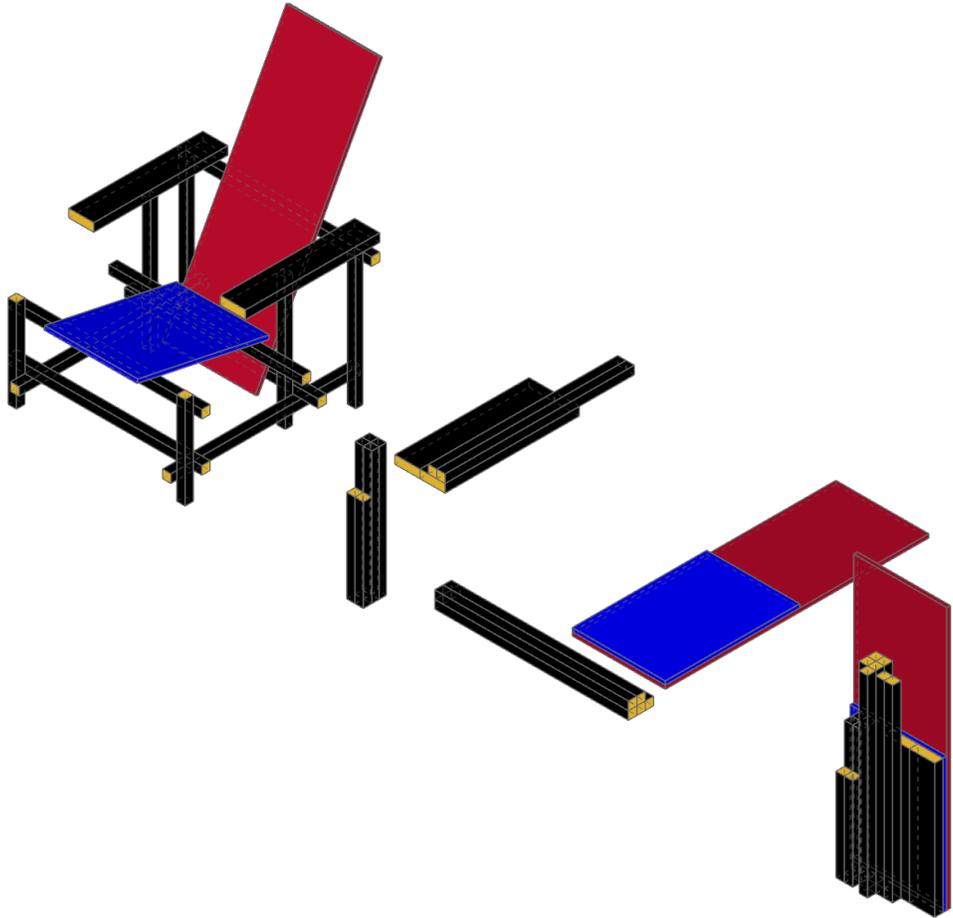


DIY with some specific elements that can be mass produced

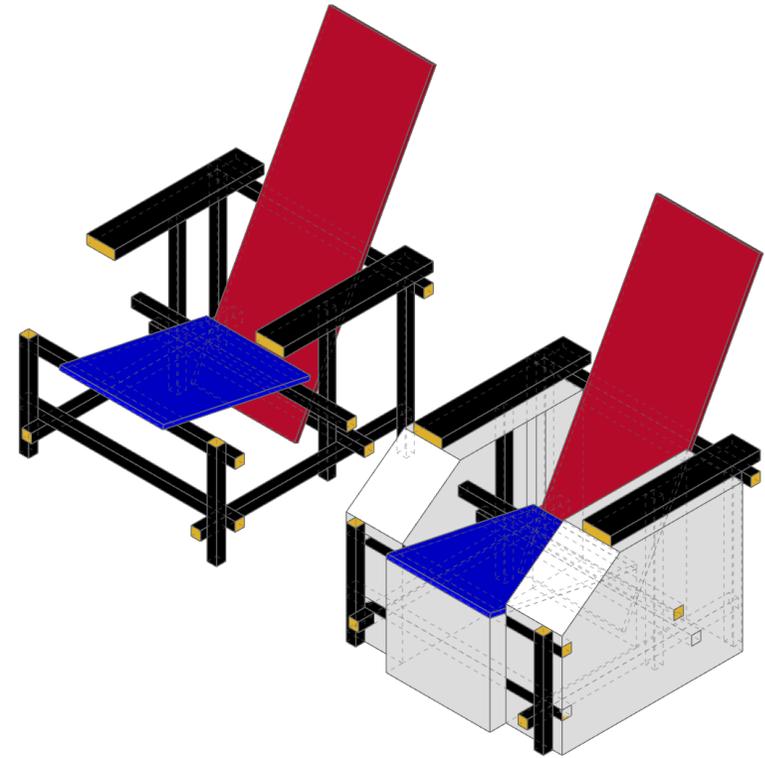


Define the elements of different functions by color (or shape)

Structured the space: Mass & Volume & Density



Portability assembly



Contain more



*If "each" part of architecture can be made FROM
A CHAIR*

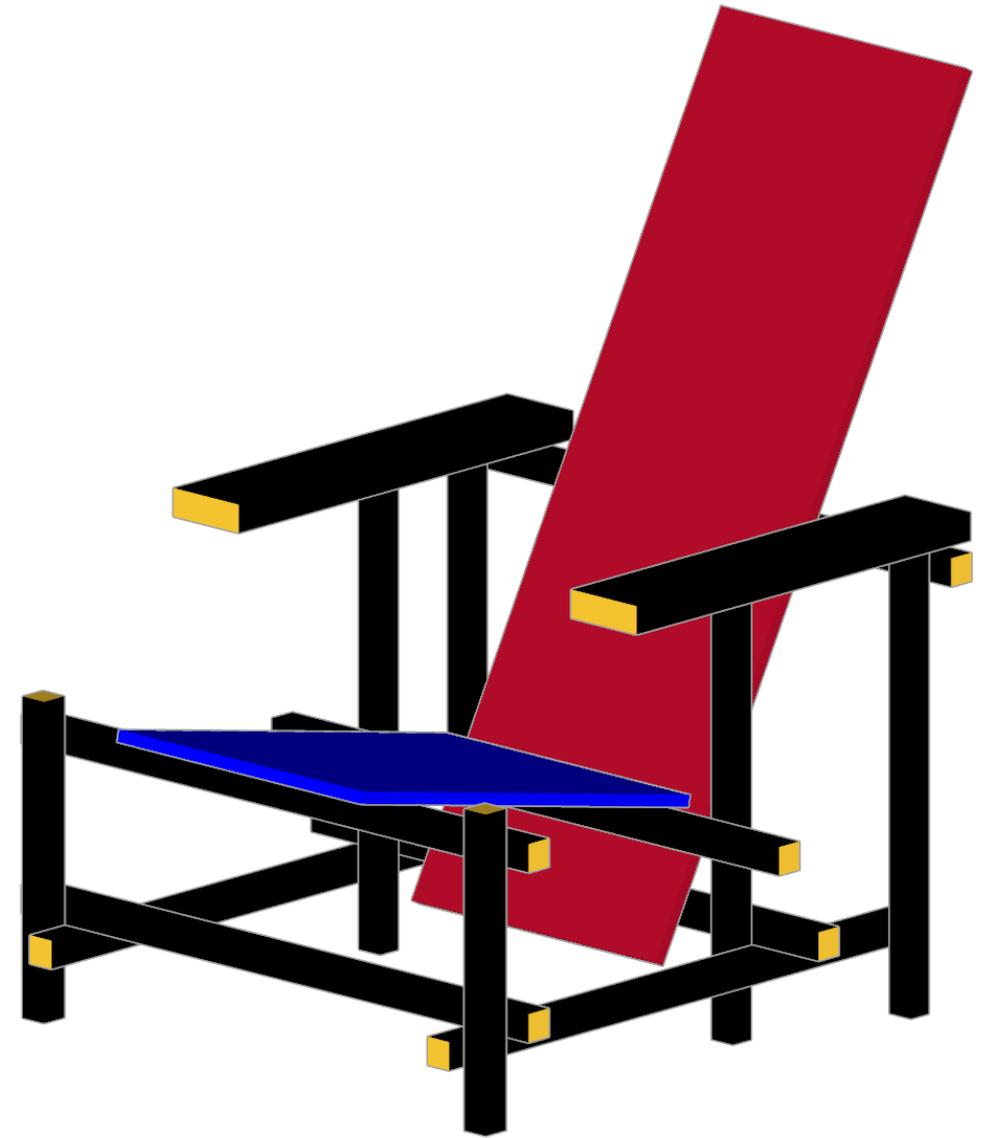
1 Density (Mass Volume)

2 Element of the Furniture (Architecture):

Point, Line, Surface, Body

3 Color: define function

4 less elements create more function





Similar Topological relations

- 1
Reconfiguration of Existing Structural Element
- 2
Study of Negative space around an existing thing

