



# PORTFOLIO

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Third TERM

INTERIOR DESIGN



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ROYAL COLLEGE OF ARTS 2023 POSTGRADUATE STUDIES IN  
PROGRESS



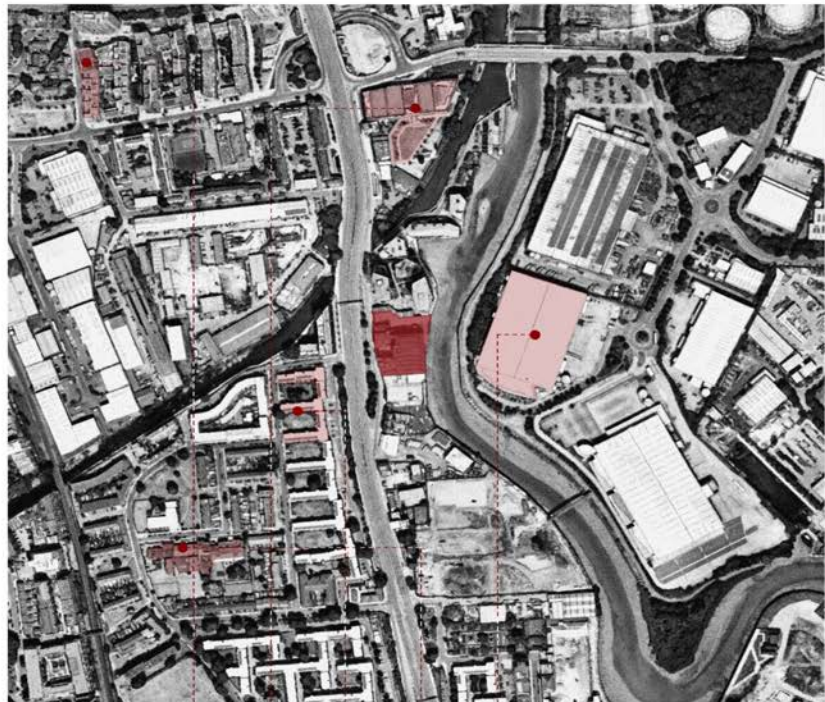
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Complete surrounding facilities
  
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site creates a sense of Repetition, Lost, Continuity, Extension
  
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Educate residents about waste recycling
  
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# 01 LOCATION 10

*Development and Infrastructure in East London*

Complete surrounding facilities



GILLENDER STREET, LONDON, UNITED KINGDOM

EAST LONDON IS ON THE VERGE OF BECOMING THE NEW CORE AREA OF LONDON.

1. ST ANDREWS HEALTH CENTRE



2. BOW SCHOOL



3. RESIDENTIAL AREA



4. MENORFIELD PRIMARY SCHOOL



5. AMAZON LOCKER



▽ The factory is divided into two parts, one *Victorian* and one *Modern* | 1930s.



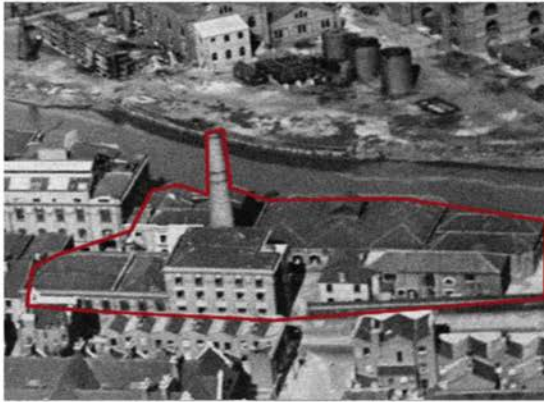
Modern  
building

Victorian  
architecture

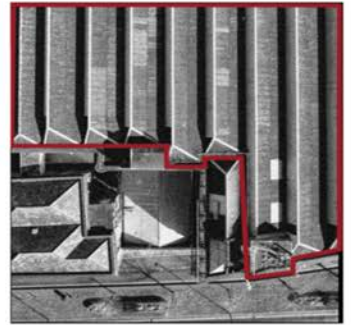
Gillender Street

01 LOCATION  
Development and infrastructure in East London  
Complete sun shading facilities

Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec. Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep.



◁ SITE-FACTORY



# 02 CONCEPT 20

*Ordered & Disordered*

site creates a sense of Repetition, Lost , Continuity, Extension







## GENERATION & SYMPTOMS OF DISORIENTATION

**Signs that a person is disorientated may include:**

*Inability to concentrate-  
Being "slow" and uncertain-  
Mumbling and not making sense-  
Unable to recognise people they know-  
Restlessness-  
Believe they can see things that aren't real-*

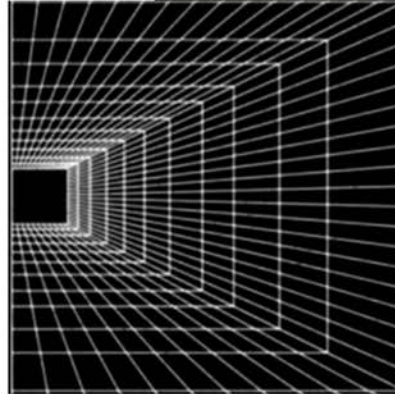
**Disorientation may also be experienced by people  
who have lost their way:**

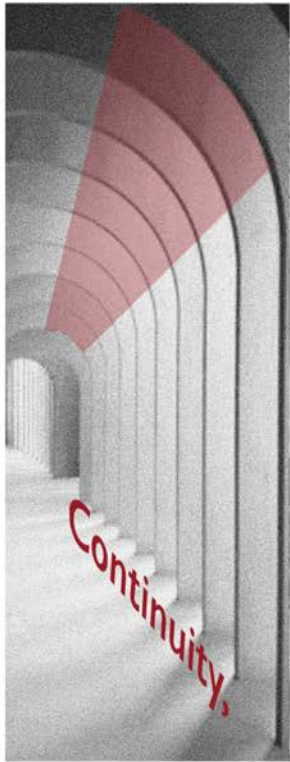
*Confusion-  
Delirium-  
Delusions-  
agitation-  
Hallucinations-  
Tendency to wander-*



**"Mystery"** is a complex emotional experience that usually involves attraction and curiosity about the unknown, the incomprehensible or the unimaginable. Understanding mystery can be considered in several ways:

Overall, mystery is a multi-layered emotional experience that is closely linked to people's relationship with the unknown and unknowable. This feeling can stimulate creative thinking and may also carry with it a search for the supernatural or profound meaning.

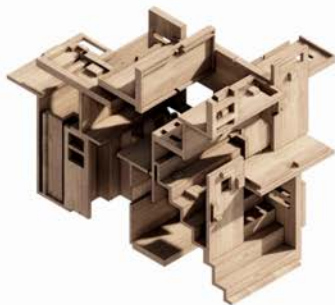




Second iteration of the spatial model

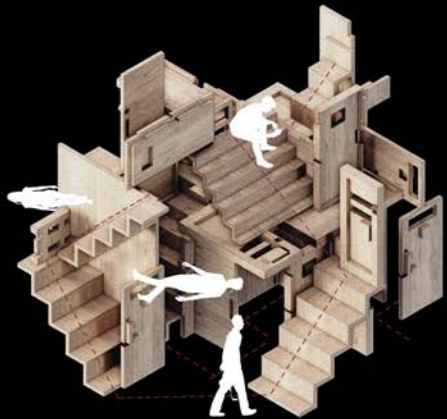
Doors Collection





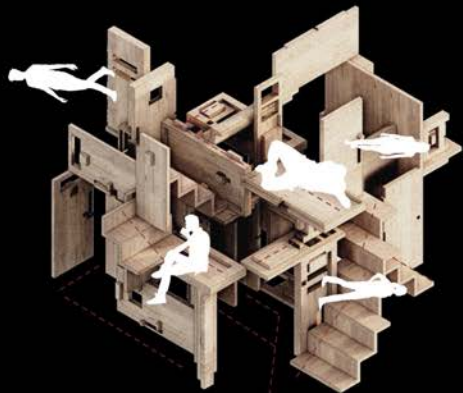
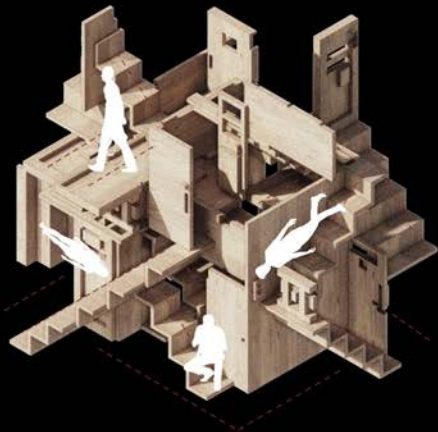
## Space and Doors

*By taking the deconstructed door, reorganising it and trying to build that sense of disorientation that comes with being in the space.*



### Space and Doors and Lost

*The sense of spatial tension throughout the model is made clearer by the inclusion of more spatial elements.*



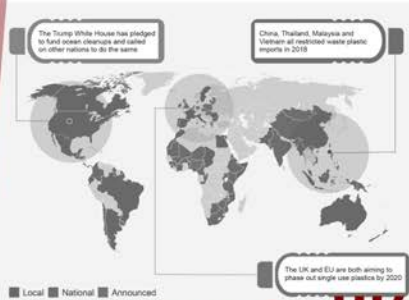
# 03 PROGRAM ANALYSIS 00

*The issue of waste recycling in the UK*  
Educate residents about waste recycling

# HOW to deal with the growing WASTE ISSUES?

# HOW

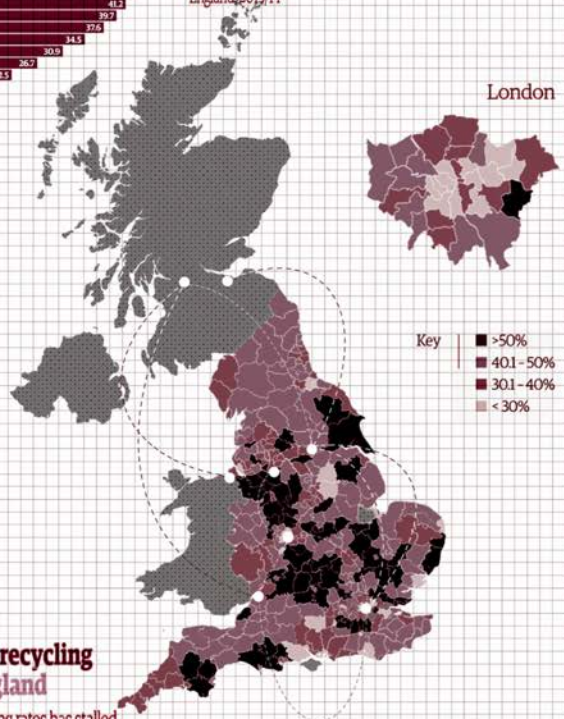
## China no longer accepts UK waste imports



# Household waste rates for local authorities

2013	44.2
2012	43.1
2011	43.3
2010	41.3
2009	39.7
2008	37.6
2007	34.5
2006	30.9
2005	35.7
2004	22.5
2003	17.8
2002	14.5
2001	12.5

Percentage of household waste sent for recycling, reuse or composting  
England, 2013/14



50%  
2010 EU target rate  
for average household  
recycling

## Household recycling rates in England

Growth in recycling rates has stalled in recent years, percent



# RECYCLING RATES

## UK Nuclear Sites and Waste Management Capability

- NDA Estate Sites**
1. Low Level Waste Repository
  2. Sellafield
  3. Hunterston A
  4. Chapelcross
  5. Wylfa
  6. Trawsfynydd
  7. Berkeley
  8. Oldbury
  9. Hinkley Point A
  10. Dungeness A
  11. Bradwell
  12. Sizewell A
  13. Harwell
  14. Winfrith
  15. Dounreay

- Chemical Plants And Other Facilities (Non-NDA)**
16. GE Healthcare, Cardiff
  17. GE Healthcare, Amersham
  18. Springfield Fuels
  19. URENCO



- Defence And/OR Submarine Sites**
20. Vulcan Naval Reactor Test Establishment
  21. Clyde Naval Base
  22. Rosyth
  23. Barrow
  24. Devonport Naval Base
  25. Raynesway
  26. Derby
  27. Burghfield
  28. Aldermaston

- Nuclear Power Stations**
29. Hunterston B
  30. Torness
  31. Hartlepool
  32. Heysham 1 & Heysham 2
  33. Hinkley Point B
  34. Sizewell B
  35. Dungeness B

- Supply Chain Infrastructure Sites**
36. Suez
  37. Grundons
  38. Augan
  39. Veolia
  40. Tradebe Inotec
  41. Doosan Babcock
  42. Cyclife
  43. Tradebe Fawley



- 01 RESIDENTIAL GARBAGE STATION
- 02 WASTE COLLECTION
- 03 GARBAGE CLASSIFICATION
- 04 TRANSPORTATION



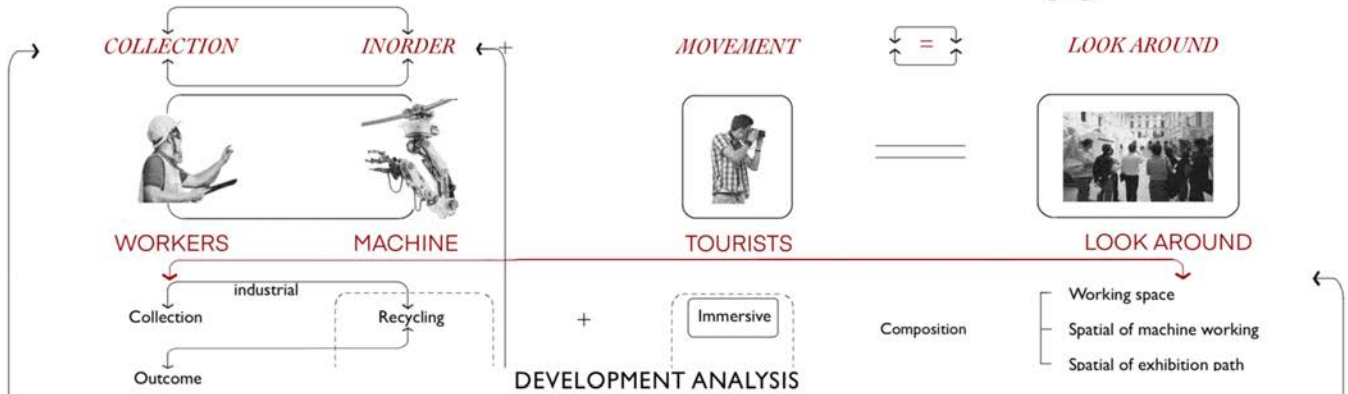
- 05 STAFF MEMBER COLLECTIVE
- 06 COLLECTION SPACE
- 07 BELT BLENDER MACHINE AREA
- 08 PRODUCTION PROCESS SPACE



The entire waste collection system as well as the output system

# WASTE RECYCLING FACTORY

Originally From : *Maze Lost Movement*



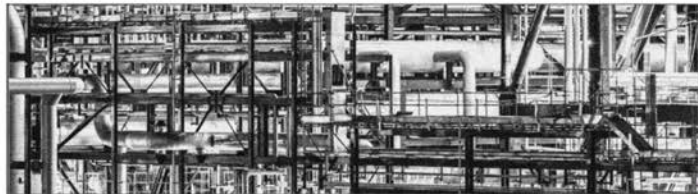
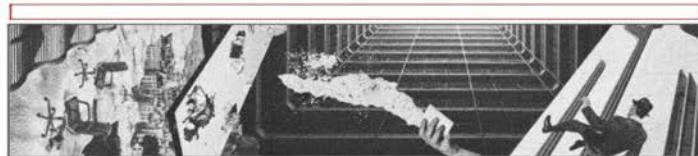
## THE CONCEPT OF WASTE RECYCLING CENTER

**I Organizational**

In order  
Disorder  
Environment issues

**II Not interfere**

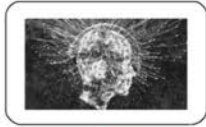
Working mode  
Experience  
Factory operations



# THE MUSEUM OF WASTE

Originally From : Exhibition Material Education

CONSCIOUSNESS



THINKING

Exhibition area  
 Material laboratory  
 Educational experience space



OUTCOME



PRODUCTS

Composition

Recycling Material

DEVELOPMENT ANALYSIS

THE CONCEPT OF WASTE MUSEUM

KNOWLEDGE



EXPERIMENT

PROCESS



OPERATION

Education

unique

Attract

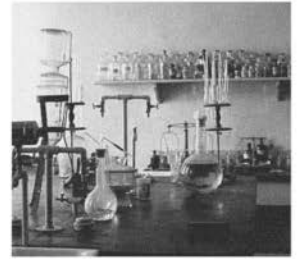
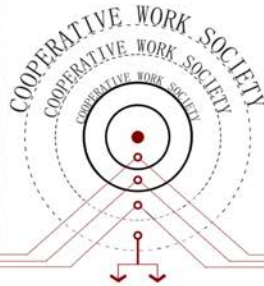
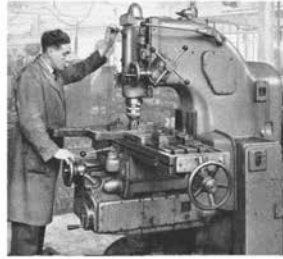
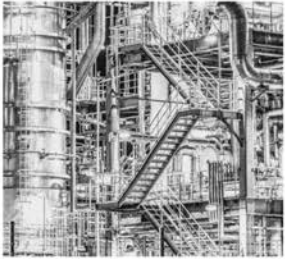
Products

	<p><b>I Benefit</b></p> <p>Production Sustainable Material Research</p>
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	<p><b>II Education</b></p> <p>Recycling awareness Environmental Protection Social attention</p>
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COMPOSITION OF THE RECYCLING FACTORY



COLLECTION SPACE

OPERATING SPACE

WORKING SPACE

CONNECTION SPACE

EXHIBITION SPACE

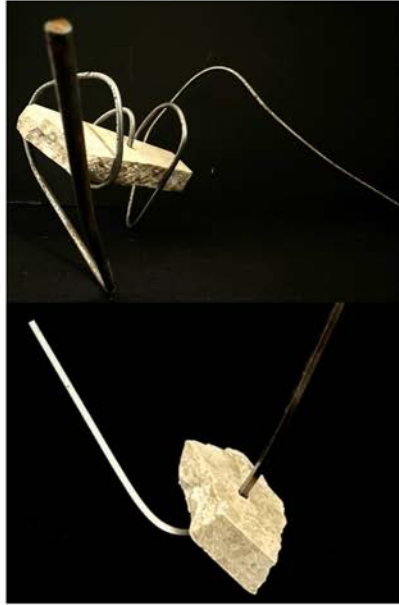
PUBLIC SPACE

LABORATORY

# The Balance Between Human Behavior & Environment



*A(mand)*



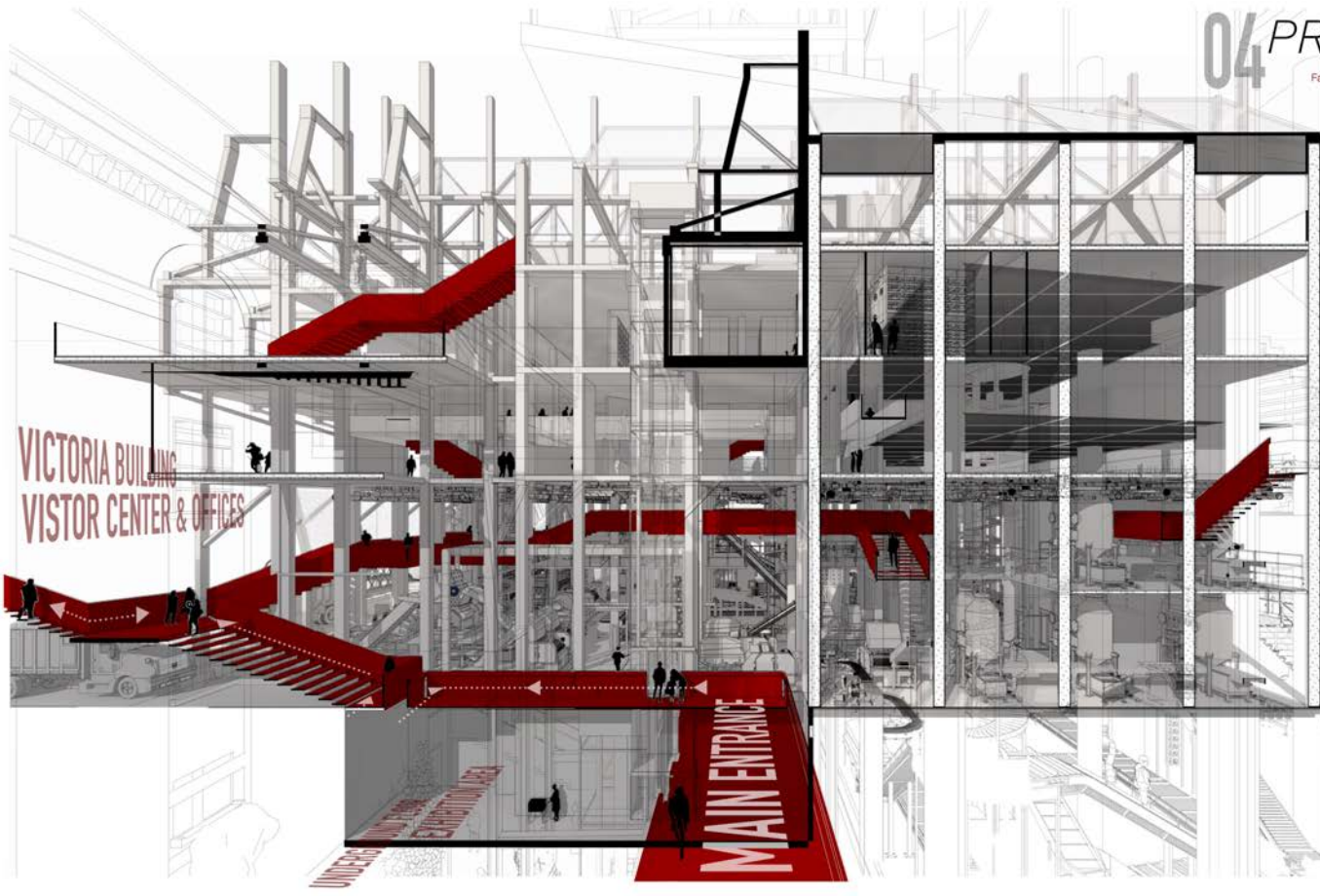
*Joint & Junction*



*Future & Crude hints*

# 04 PROPOSAL 40

*Design Details*  
Factory & Exhibition & Laboratory



◀ **Fourth Floor**  
Top garden & Solar panel

+25.57 m AOD

◀ **Third Floor**  
Material lab & Exhibition

+20.62 m AOD

◀ **Second Floor**  
Museum & Exhibition

+15.42 m AOD

◀ **First Floor**  
Visitors' Bridge & Display

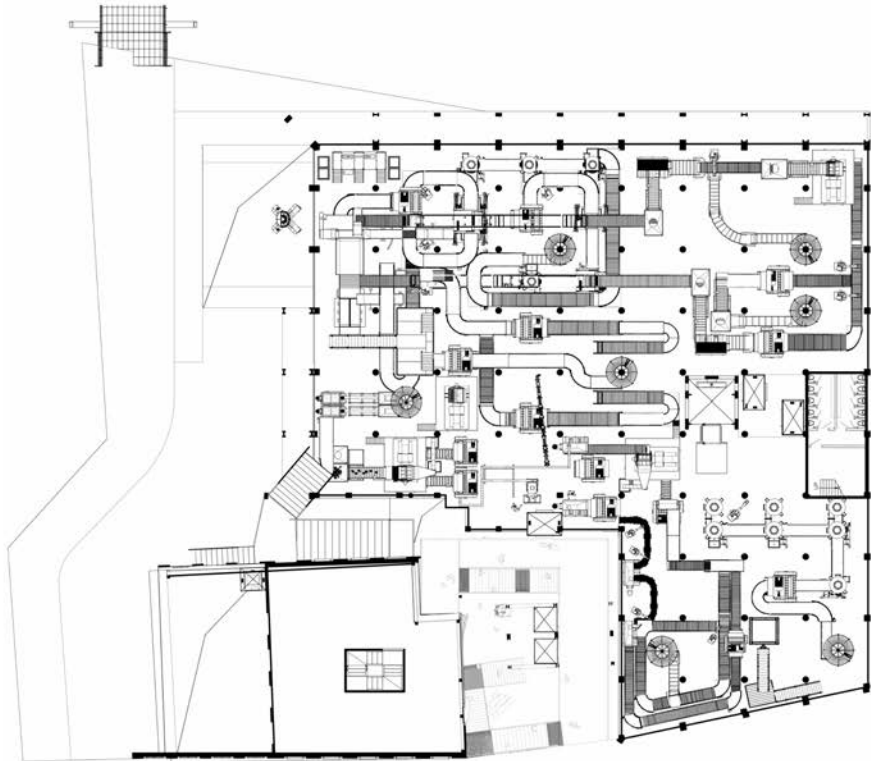
+10.26 m AOD

◀ **Ground Floor**  
Recycling Factory

+4.94 m AOD

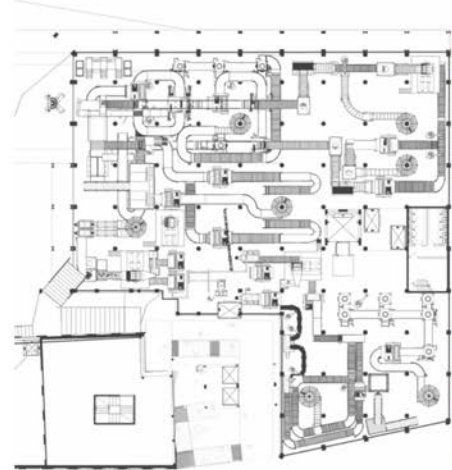
◀ **Lower Ground Floor**  
Public exhibition & Coffee

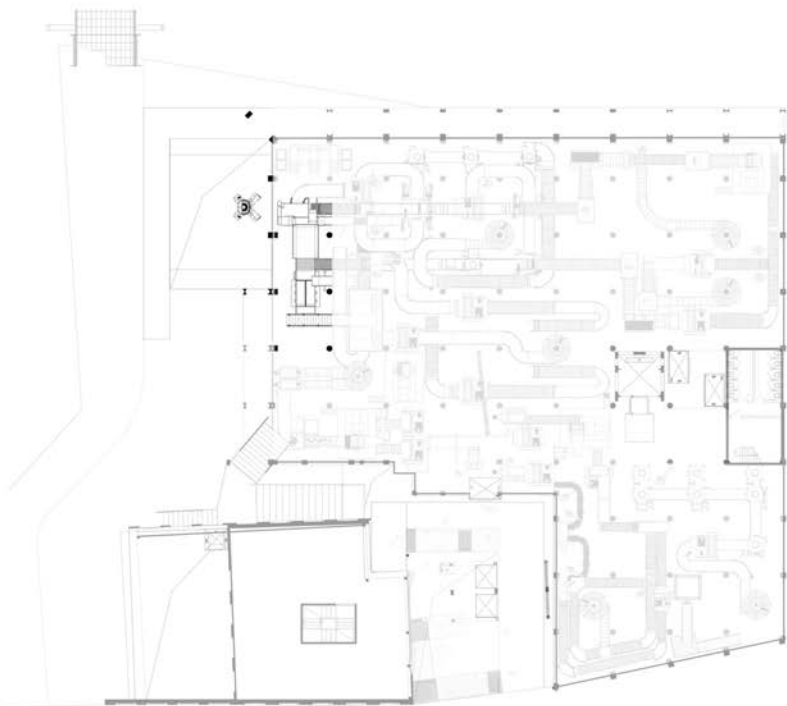
-0.94 m AOD



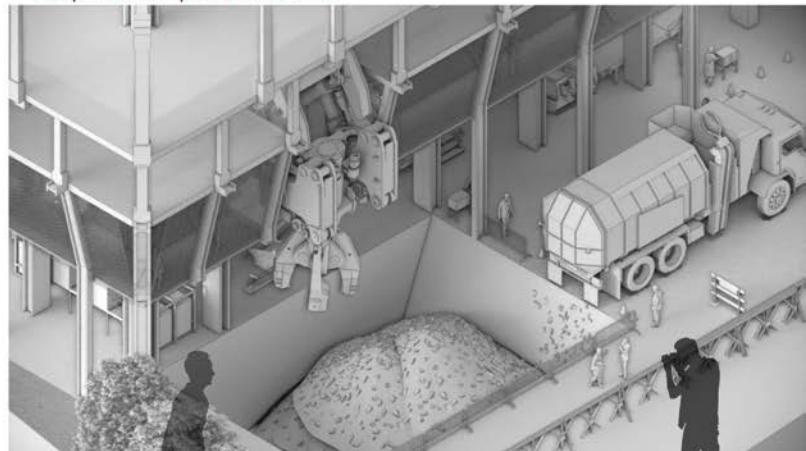
◀ **Ground Floor** Factory area  
Floor plan

## Factory Area

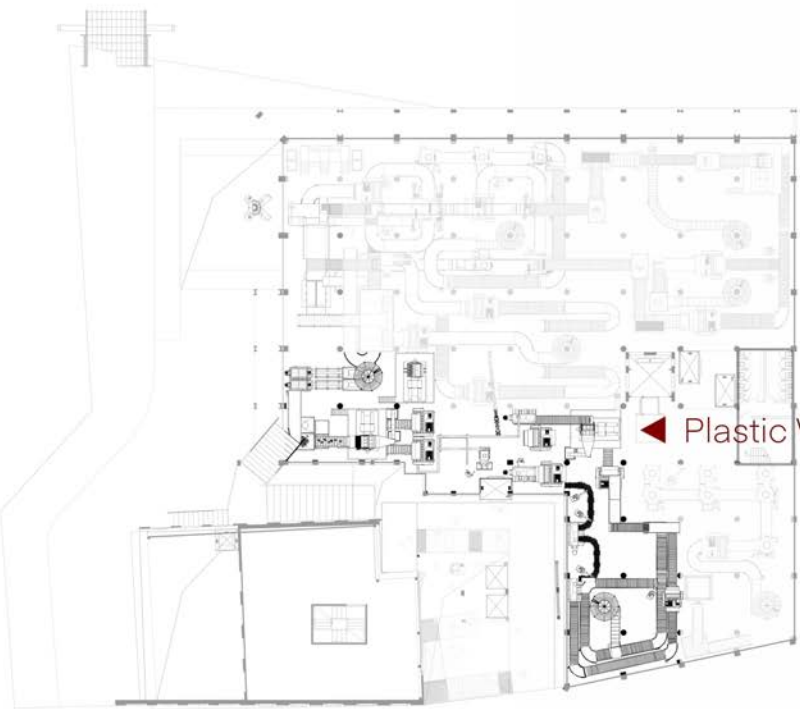




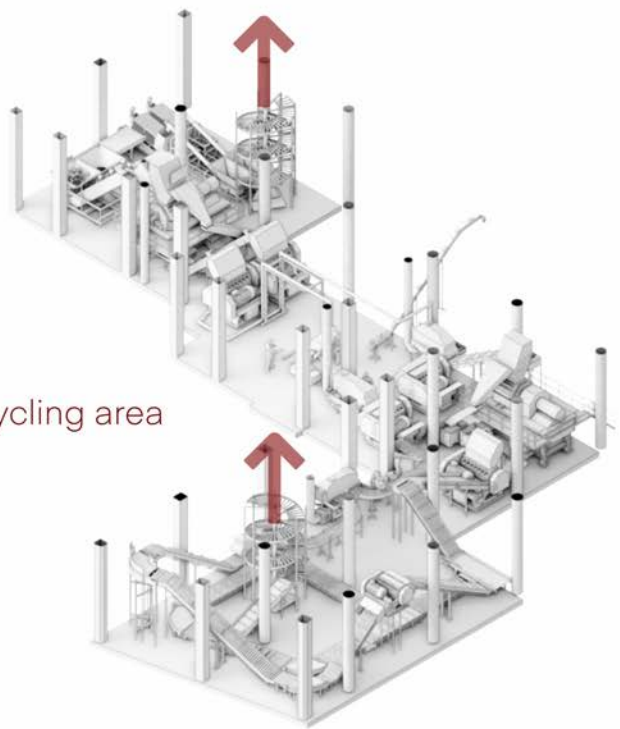
◀ **Collection Space**  
& public pavement







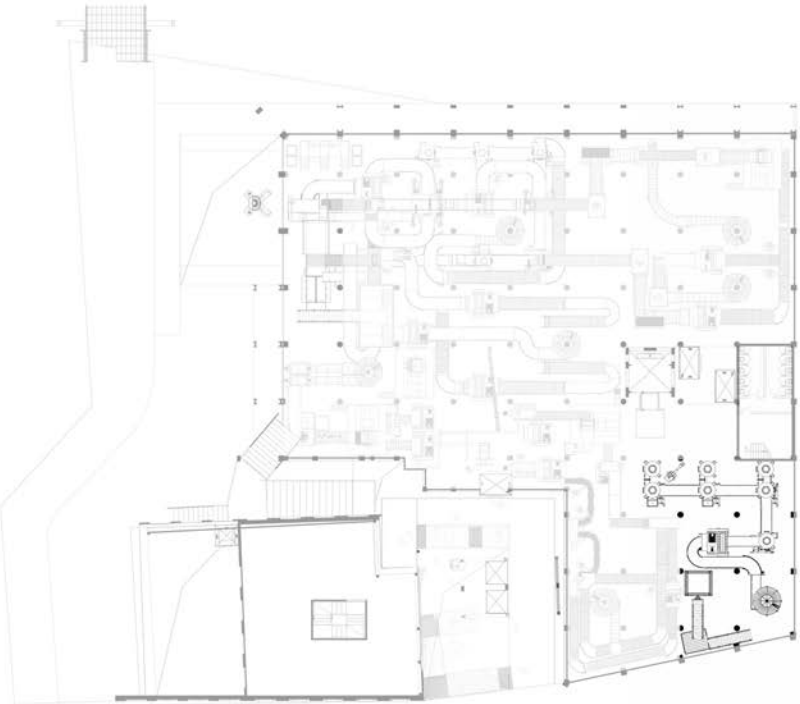
◀ Plastic Waste recycling area



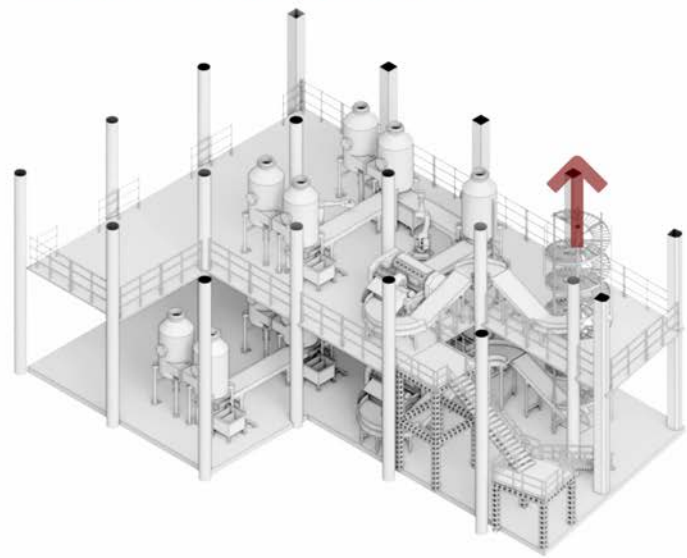
# 04 PROPOSAL 40

*Design Details*  
Factory & Exhibition & Laboratory

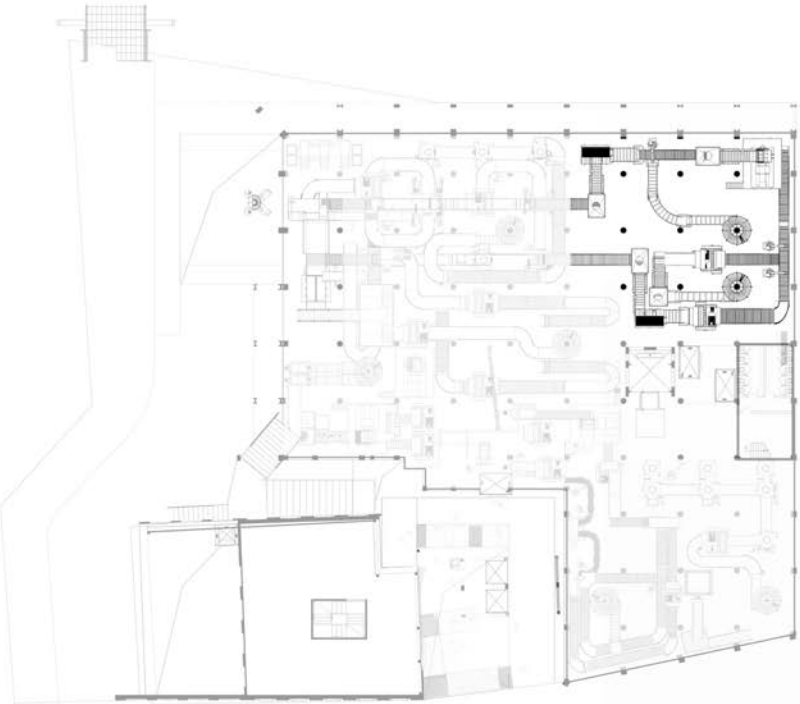




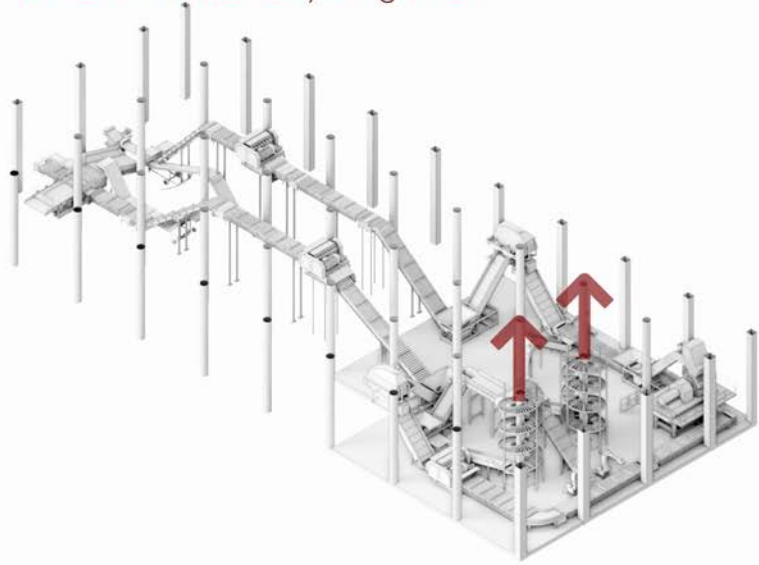
◀ Biological Waste recycling area



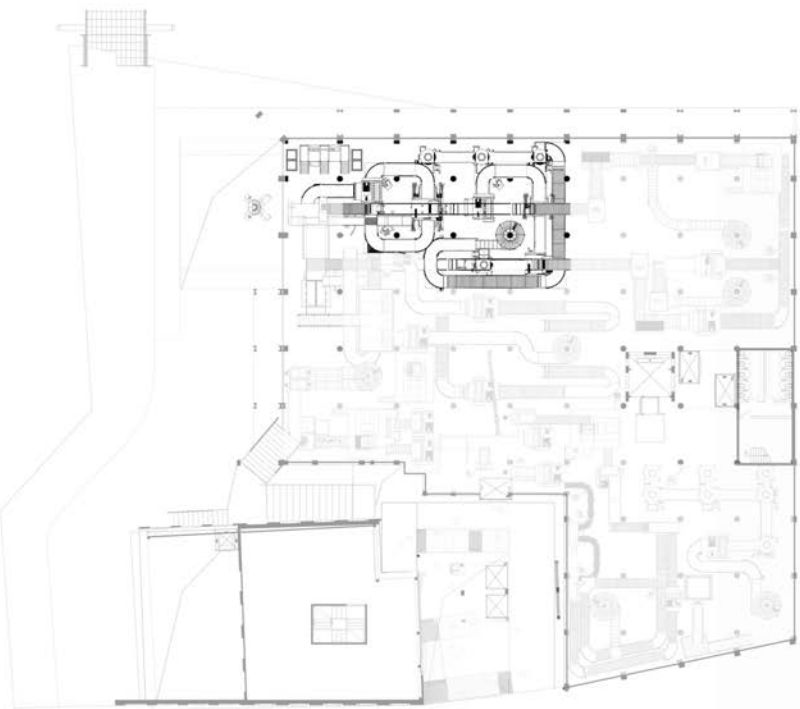




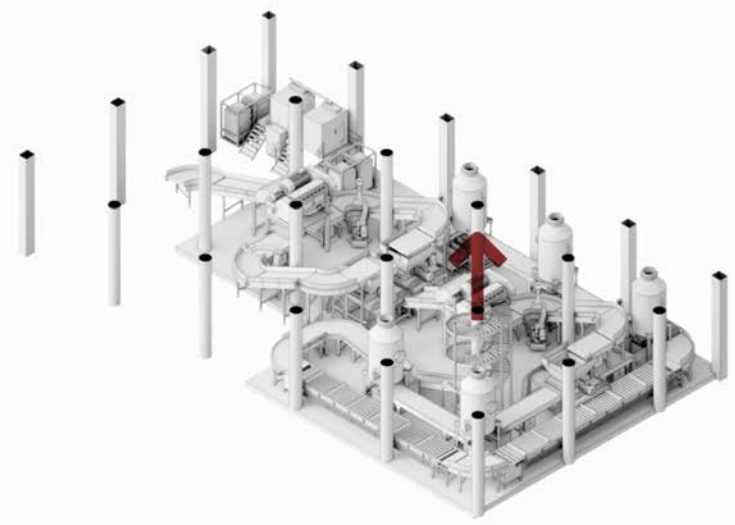
◀ Metal Waste recycling area



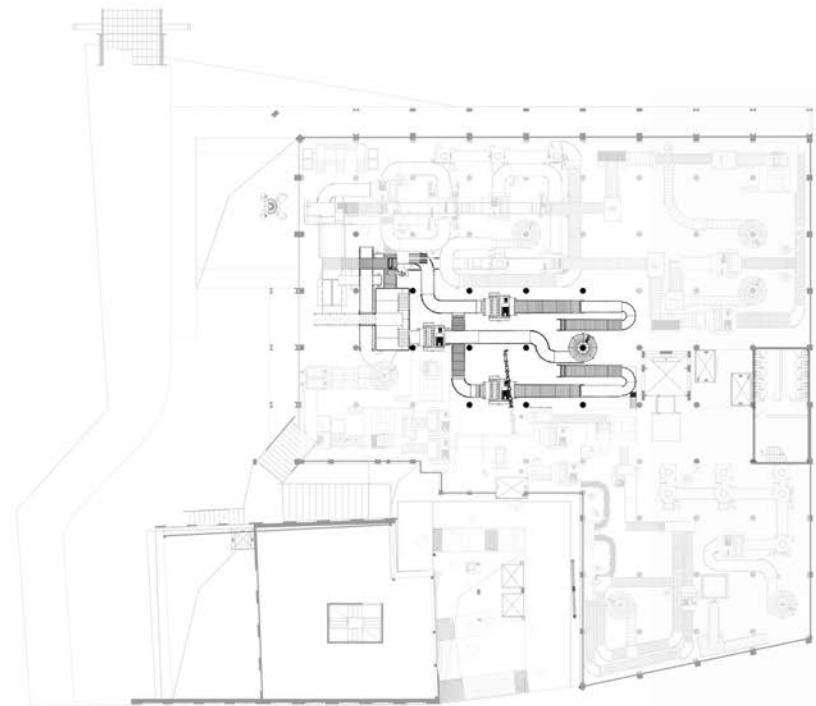




◀ Paper Waste recycling area



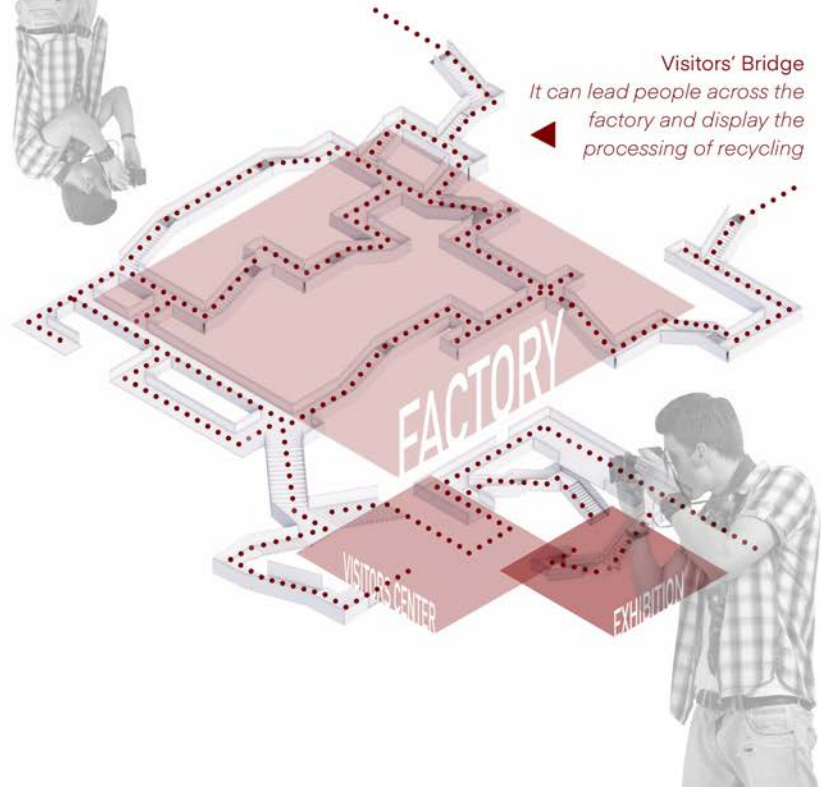
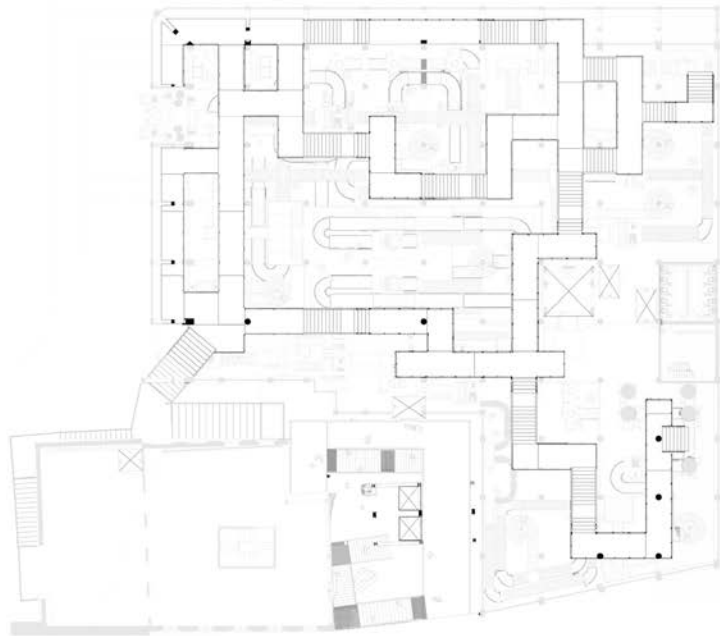




◀ Glass Waste recycling area



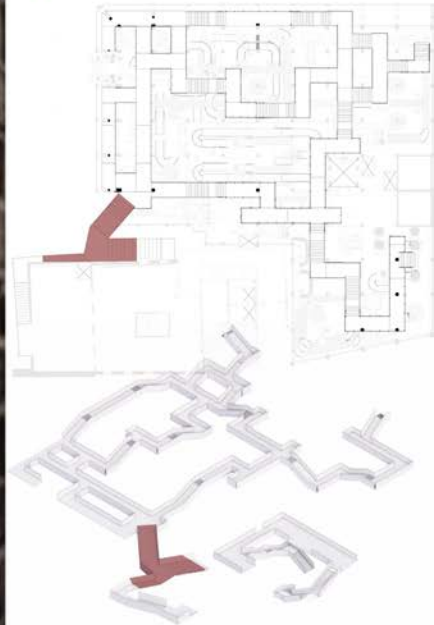




Visitors' Bridge  
It can lead people across the  
factory and display the  
processing of recycling

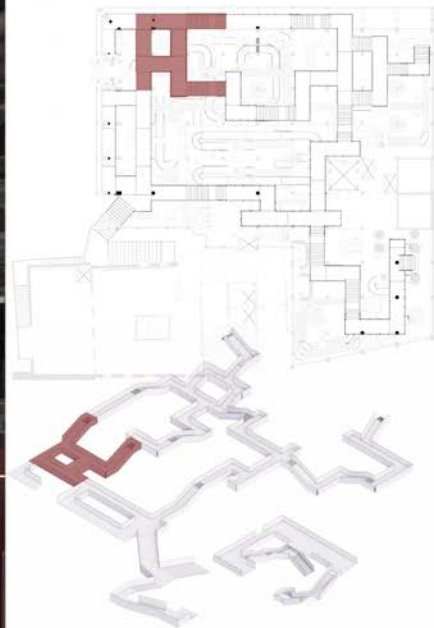


◀ The junction and entrance of factory for visitors



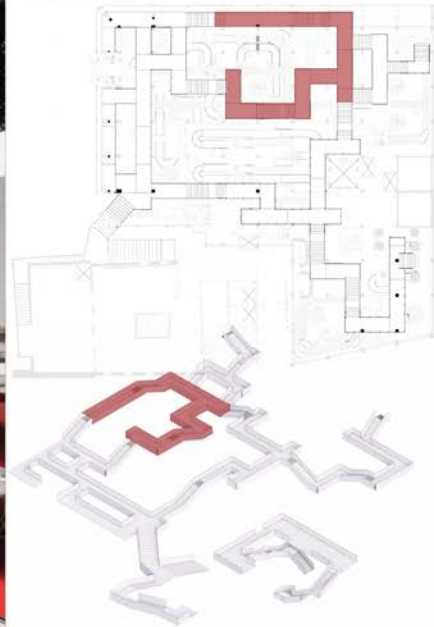


◀ The perspective of bridge



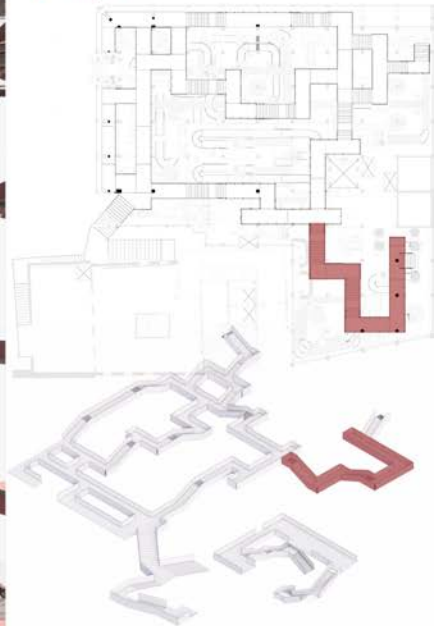


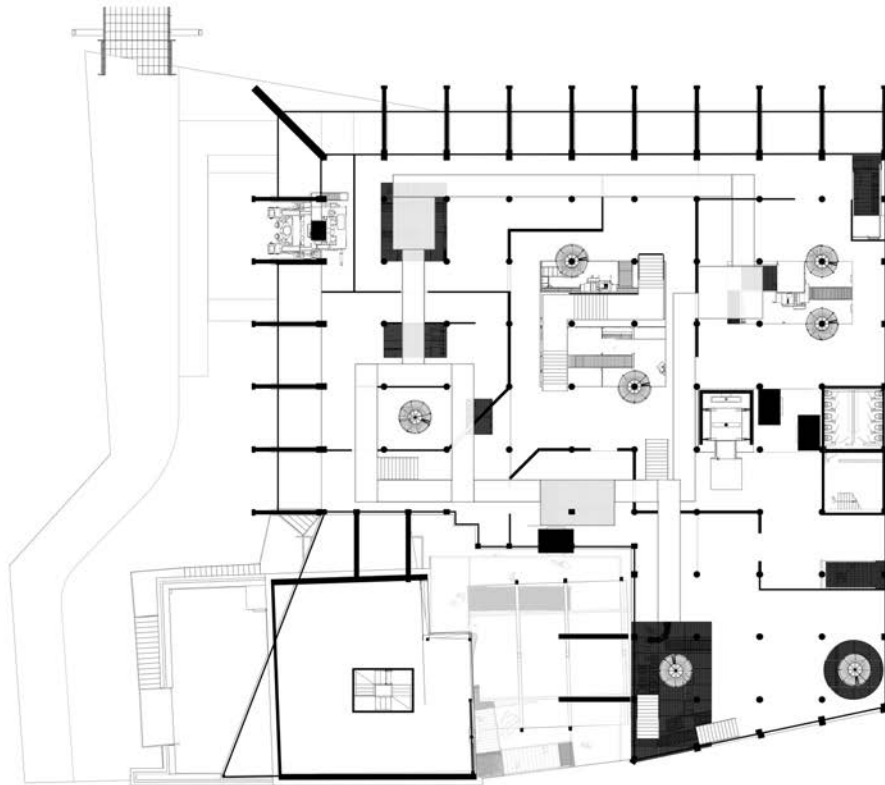
◀ The atrium area runs through the exhibition area, with visitors and machines below as part of the exhibition



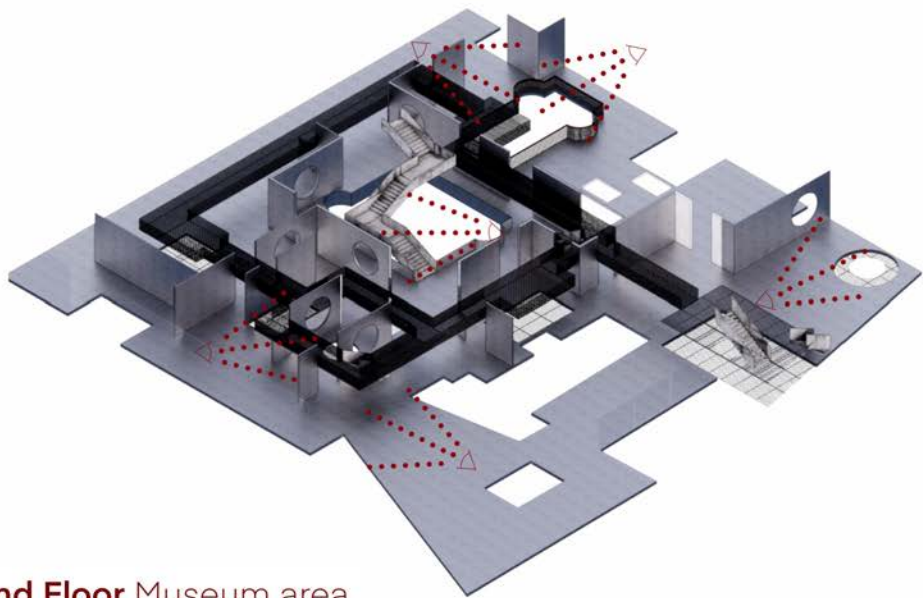
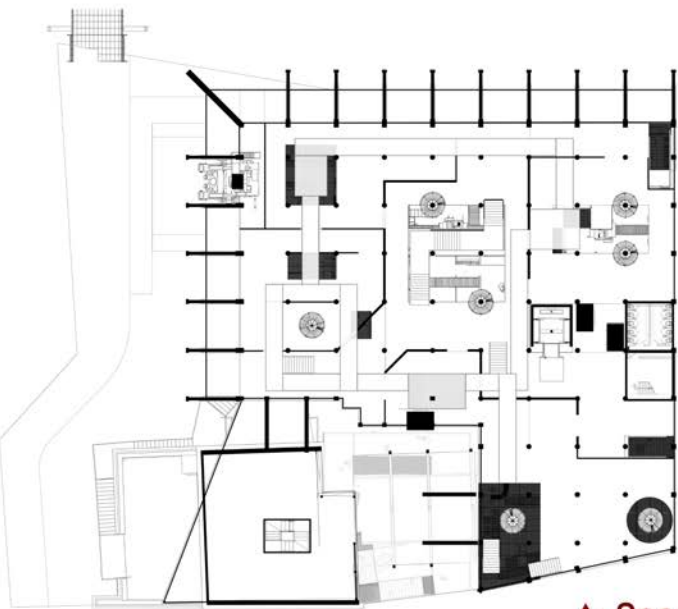


◀ Visitors and workers in the same space without interruption





◀ **Second Floor** Museum area  
Floor plan

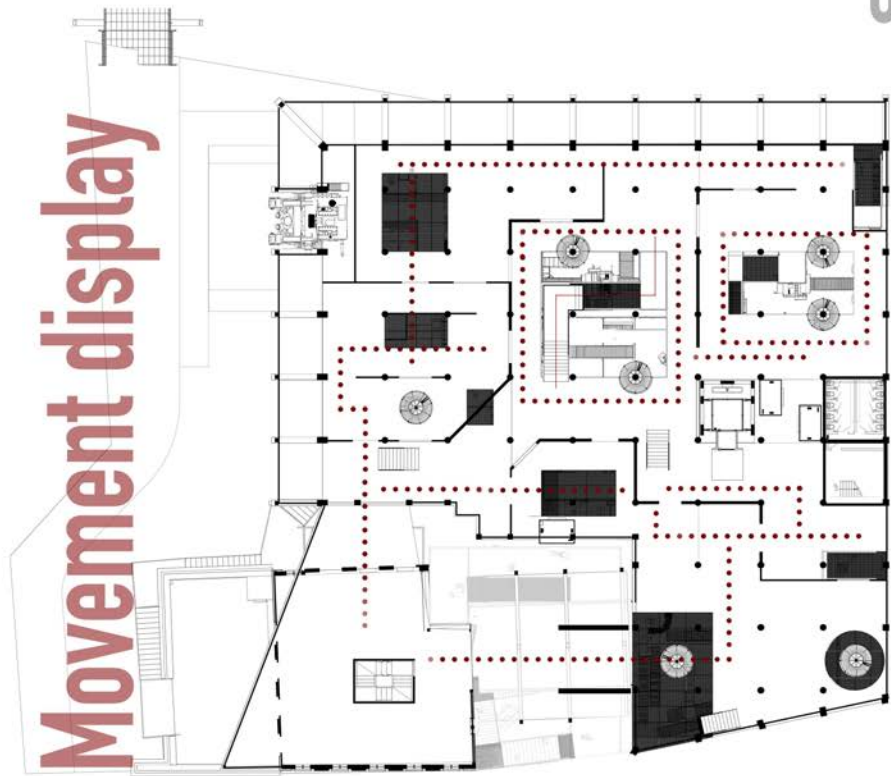


▲ **Second Floor** Museum area  
Floor plan

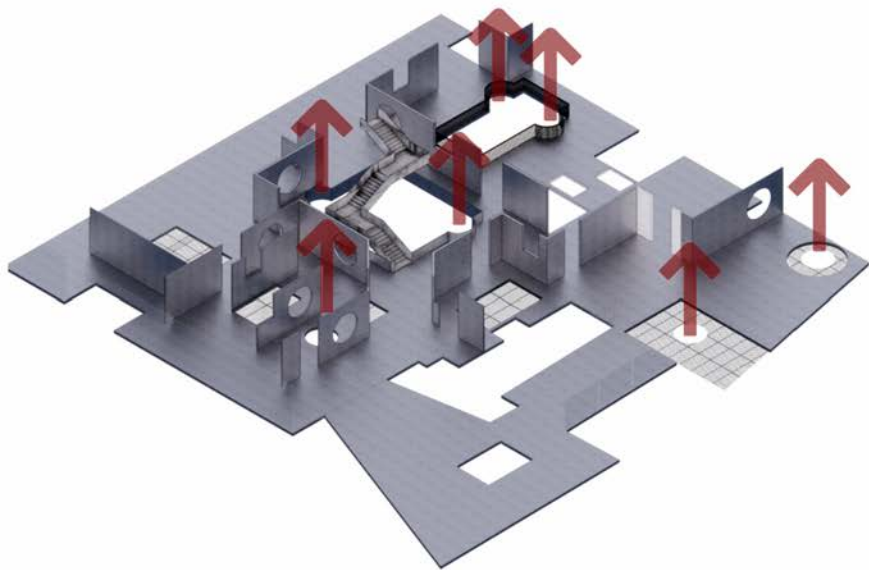
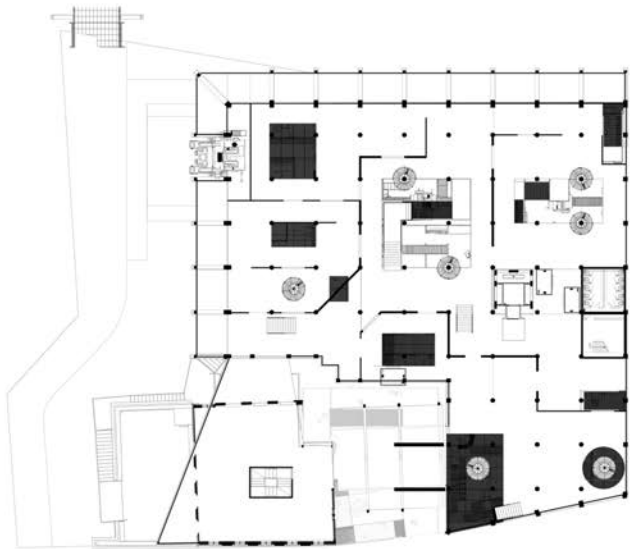


04 PROPOSAL  
Design Office  
Factory & Exhibition & Laboratory











**DETAILS**

Il presente spazio è dedicato alla presentazione di opere d'arte e di installazioni che esplorano il tema della sostenibilità e dell'innovazione.

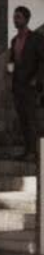
Le opere sono realizzate con materiali riciclati e sono state progettate e realizzate da artisti e designer italiani e internazionali.

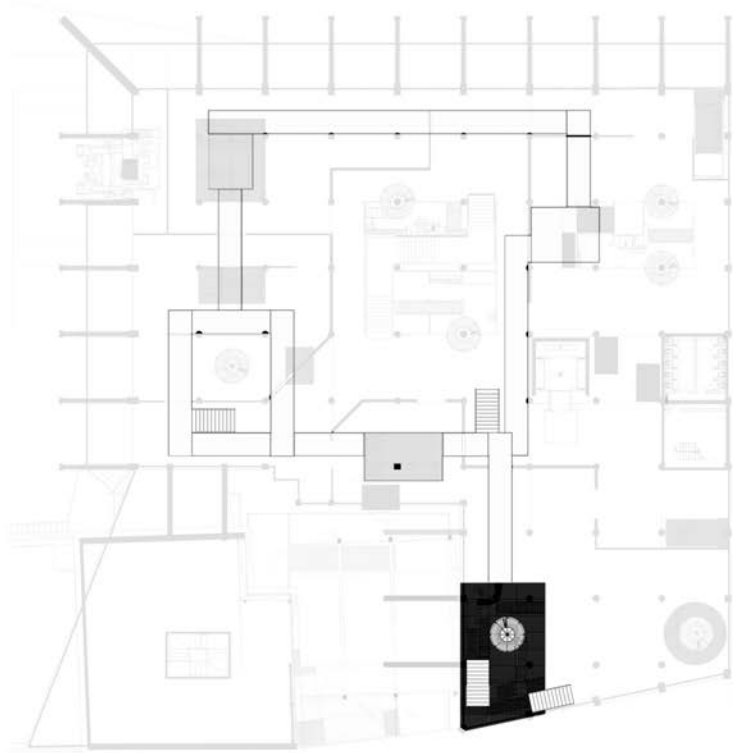
Il progetto è stato curato da [nome] e [nome].

Per informazioni e biglietti, visitate il sito [url] o chiamate il numero [numero].

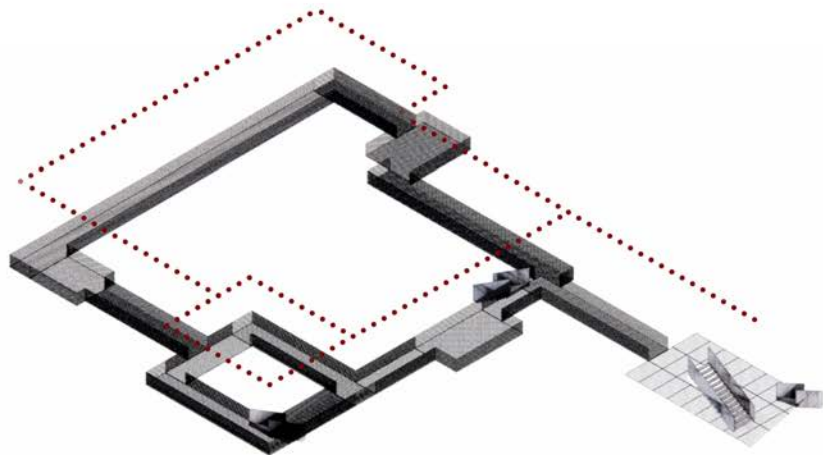


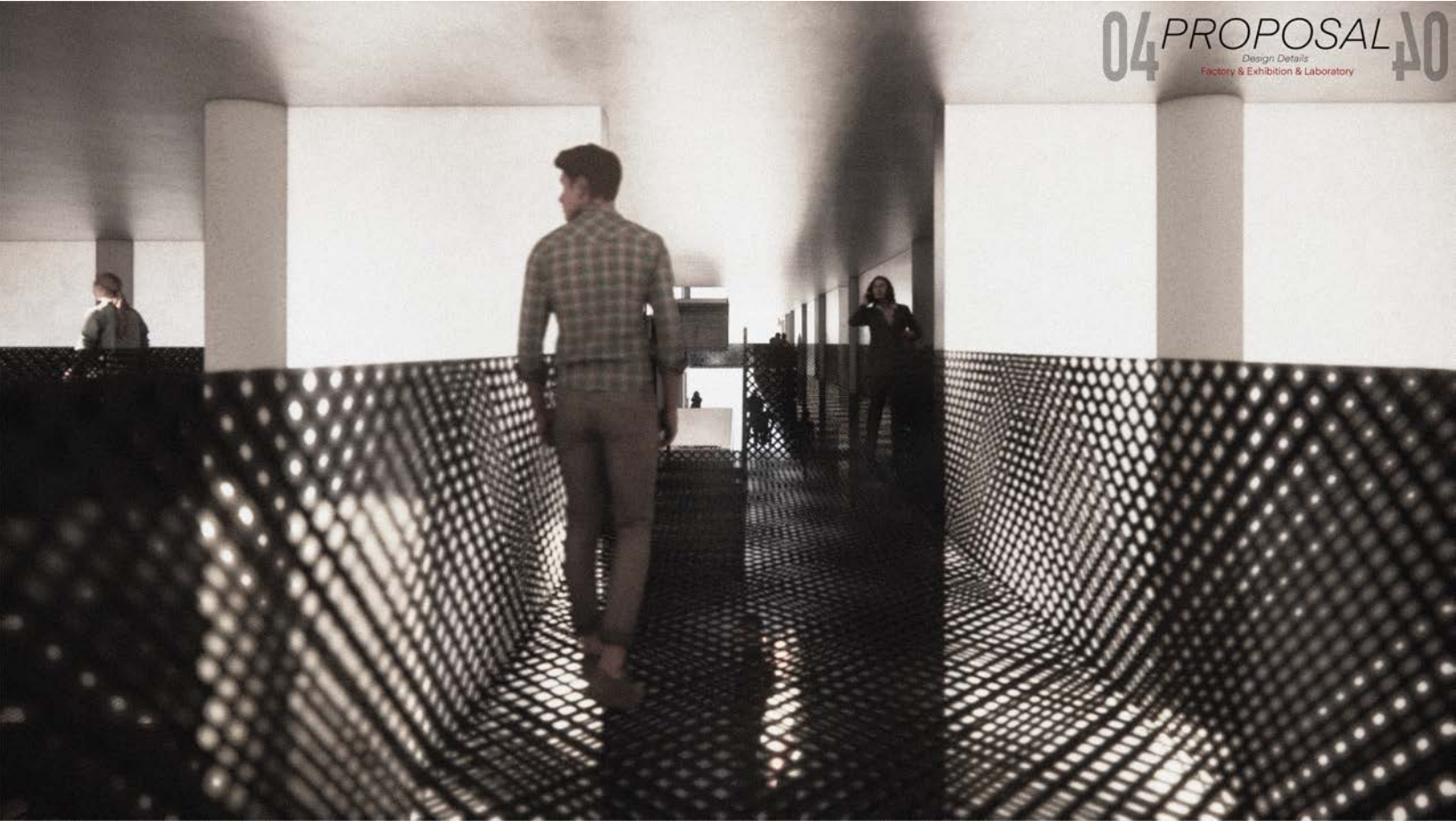
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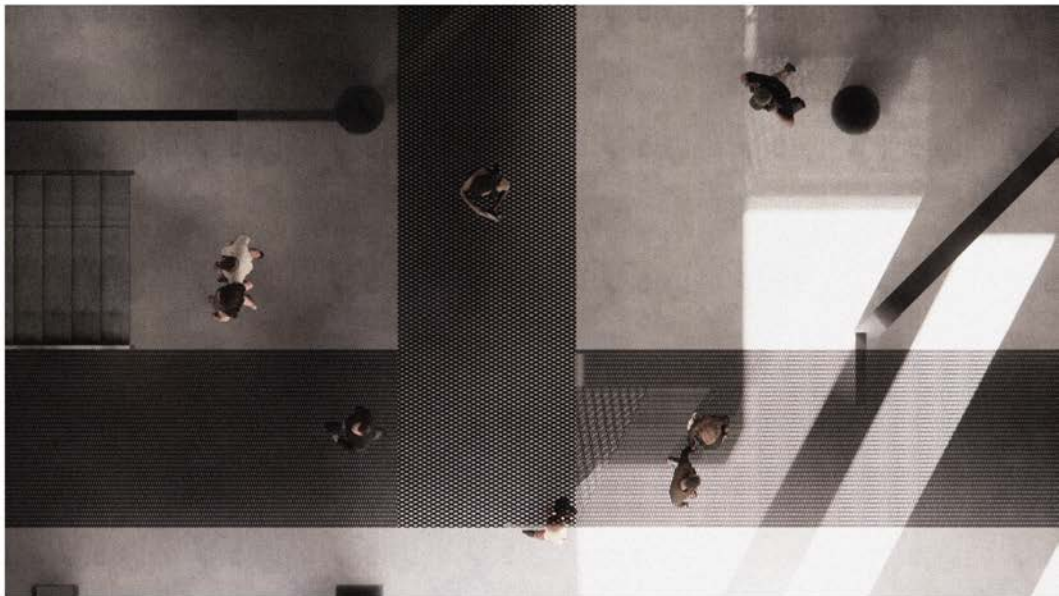
◀ **Second Floor** Bridge area  
Floor plan



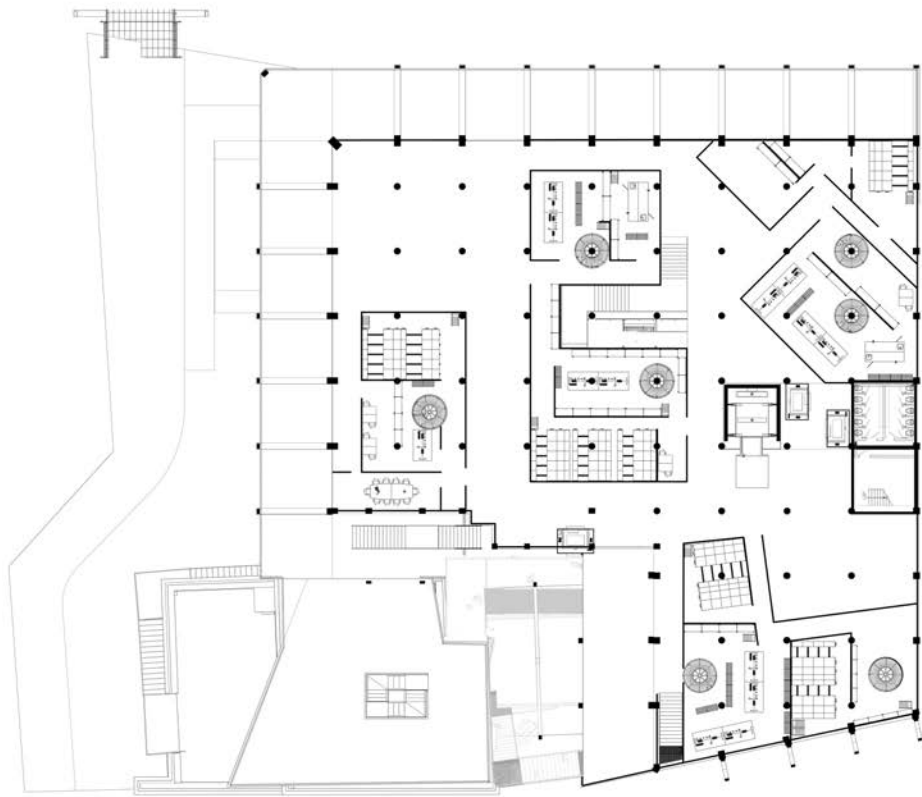


DISORDER & IN ORDER

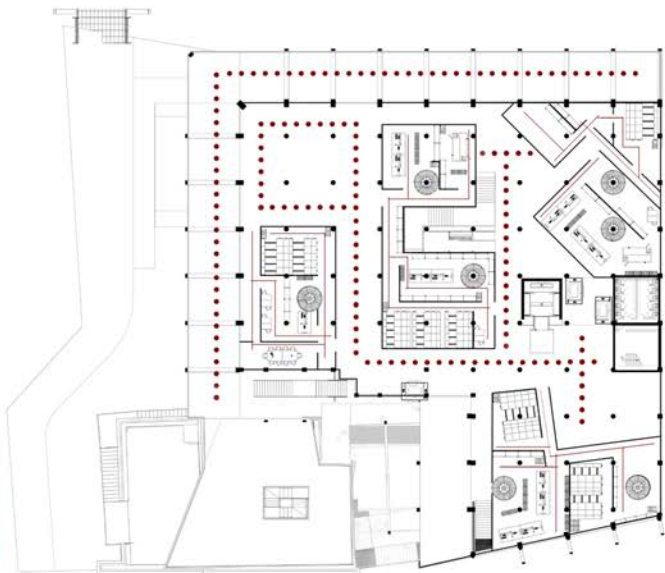
*Intersecting Spaces & Intersecting Visitors*







◀ **Third Floor** Material lab  
Floor plan

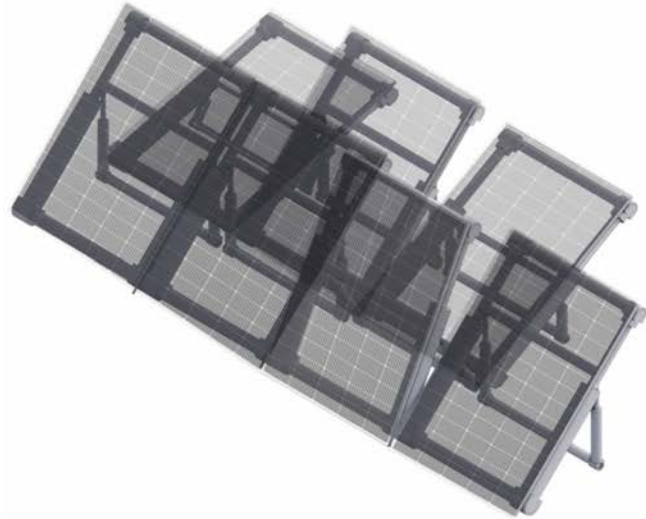
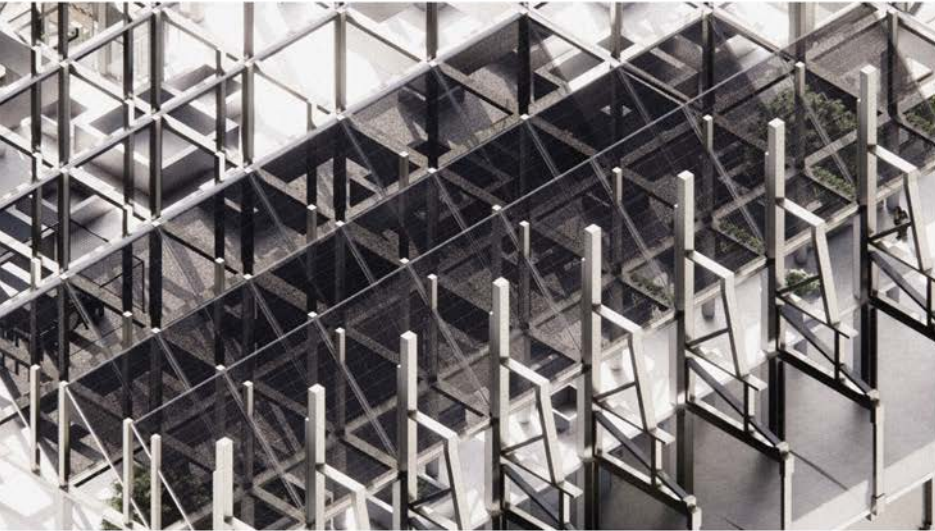








◀ **Top Floor** Garden & solar panel  
Floor plan



▲ **Top Floor** Garden & solar panel  
Floor plan









