

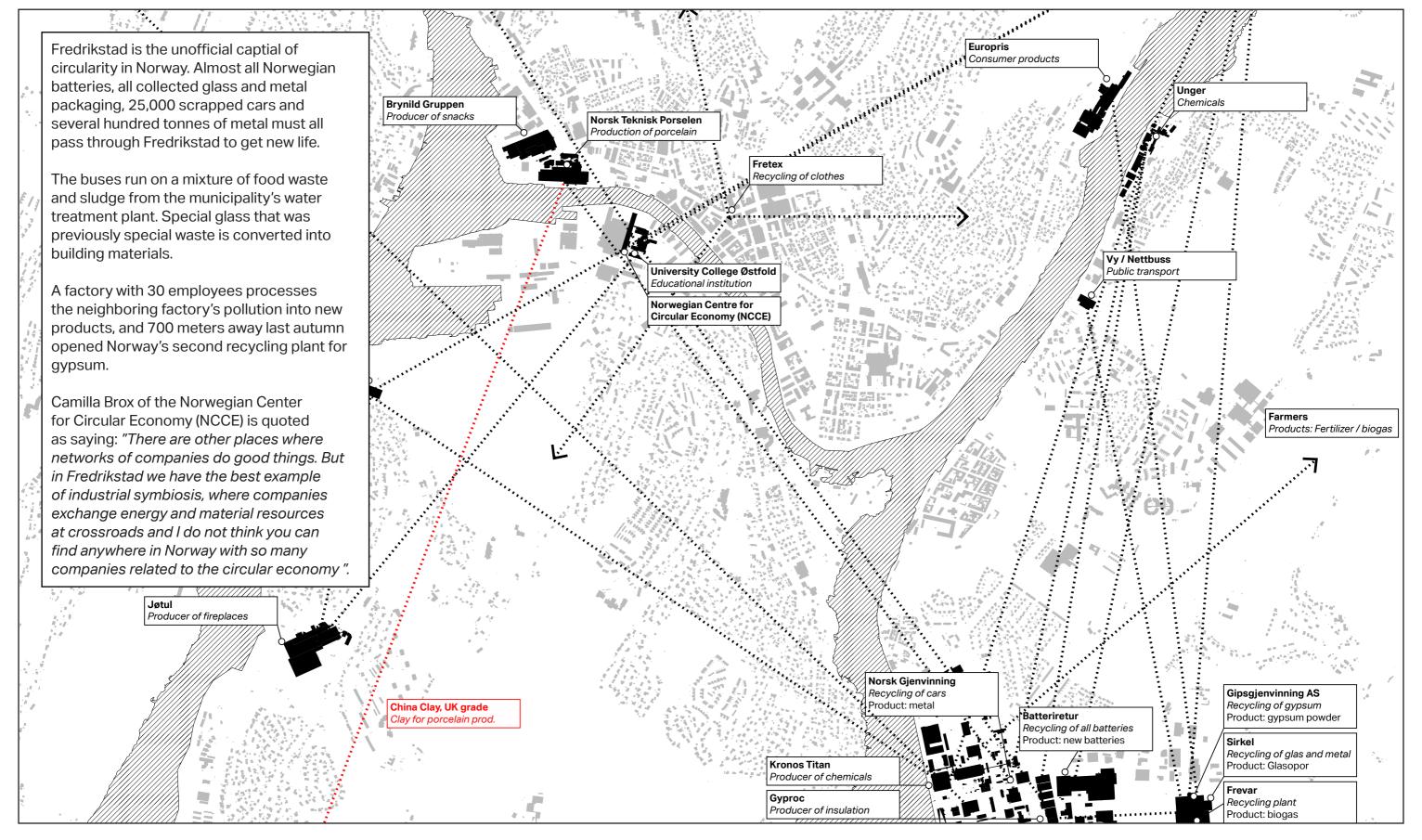
6. Process

This booklet will present volume studies, sketches, strategy testing and collages. This eventually became my diploma project, and the process will be prestented in chronological order.

Mapping a circular city

Circular network Import off-grid





January

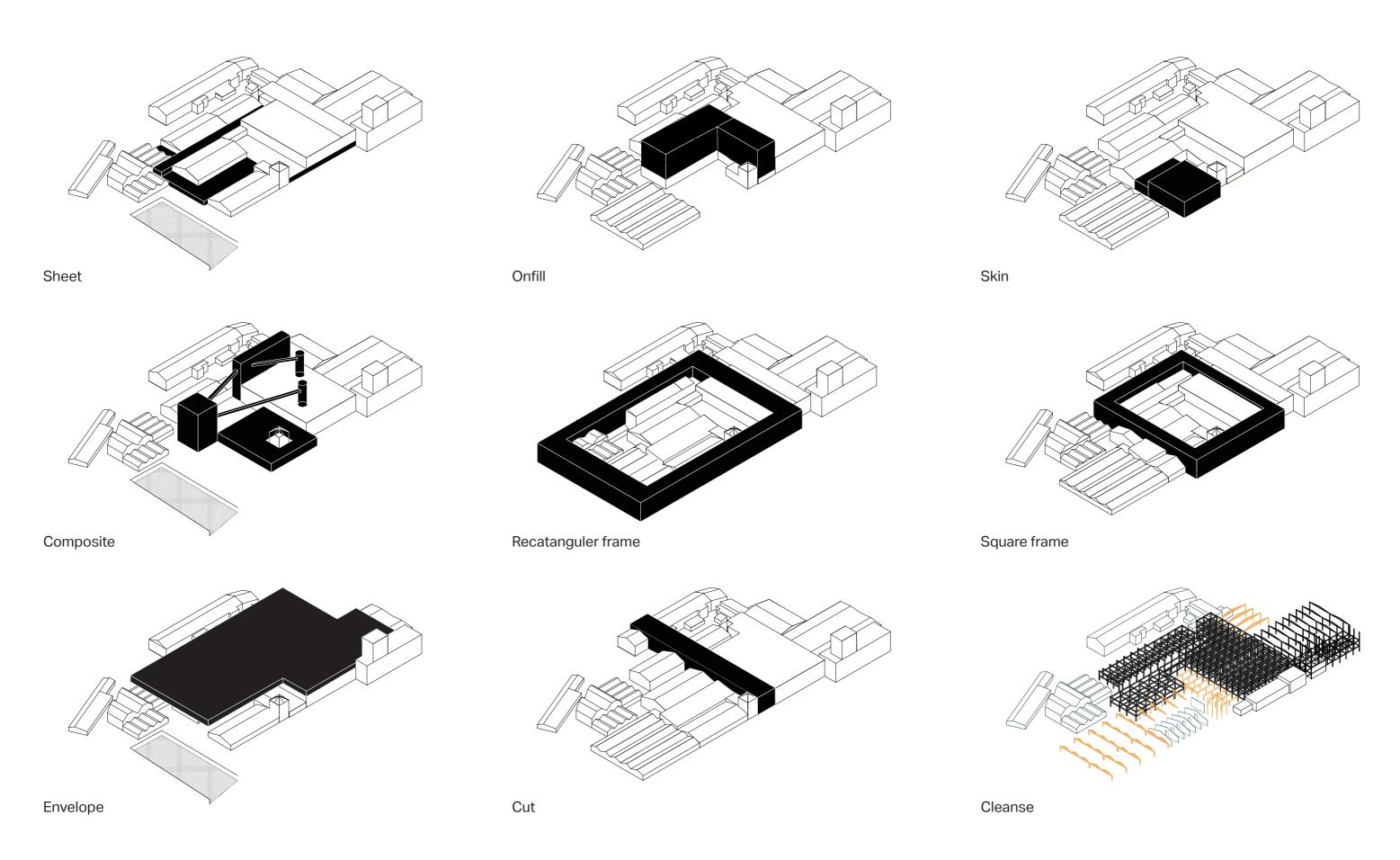
Repairs of facade through the Wabi Sabi technique?





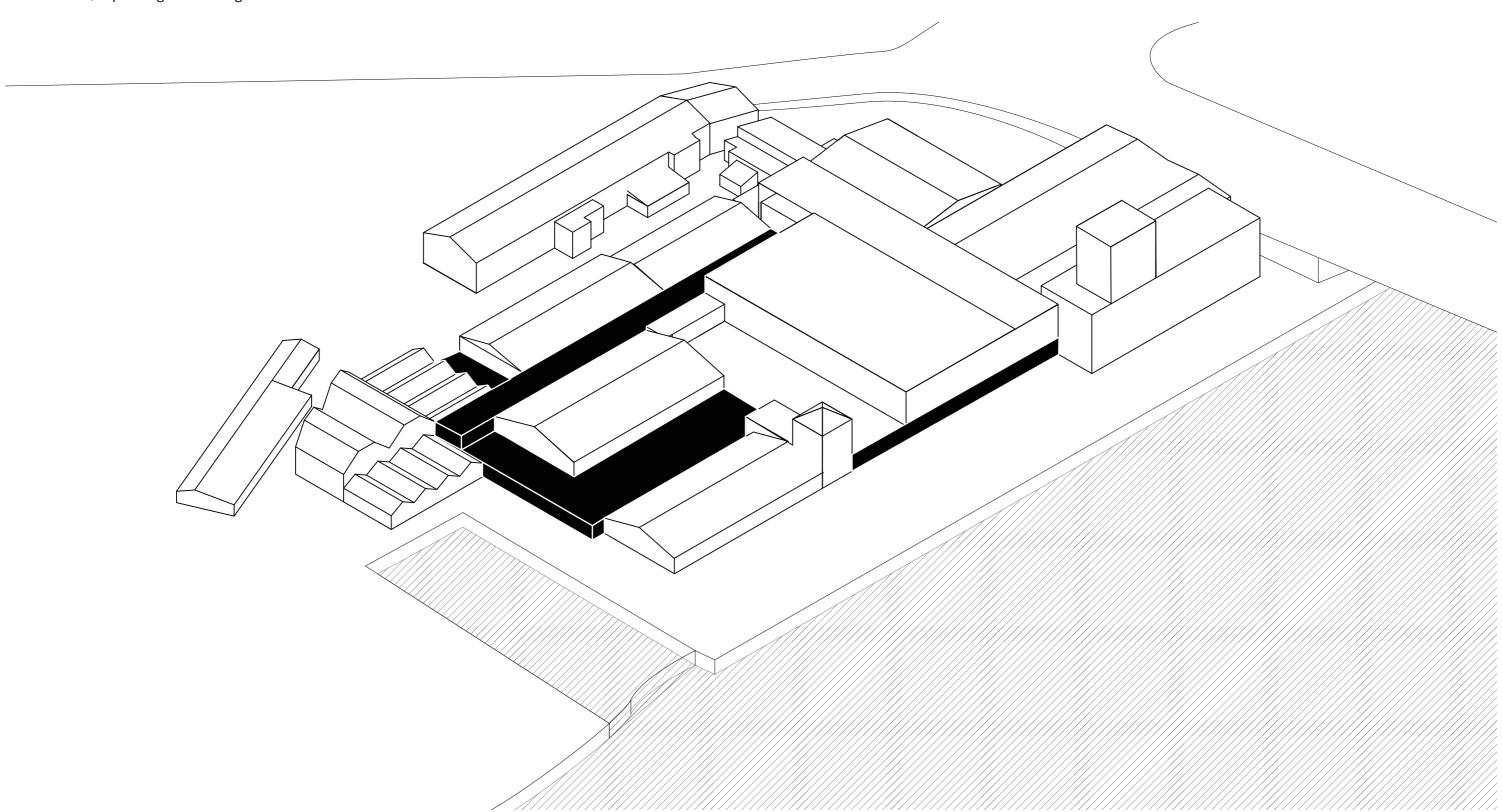


Volume studies



Volume study__I **Sheet**

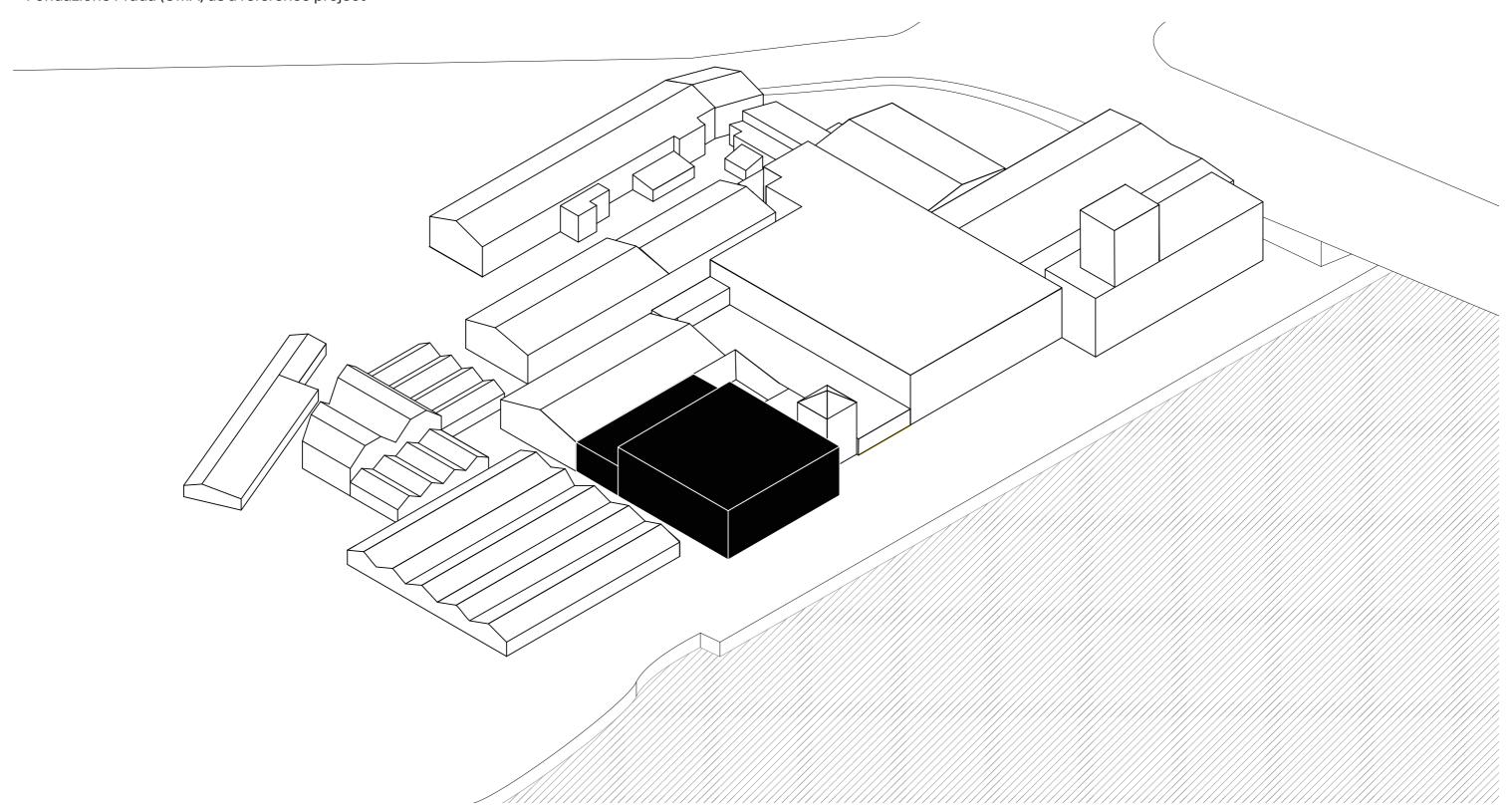
- Wraps around and between existing structures.Exploit the courtyards.Common ground floor.New dock, replacing the storage shed.



Volume study__II Skin

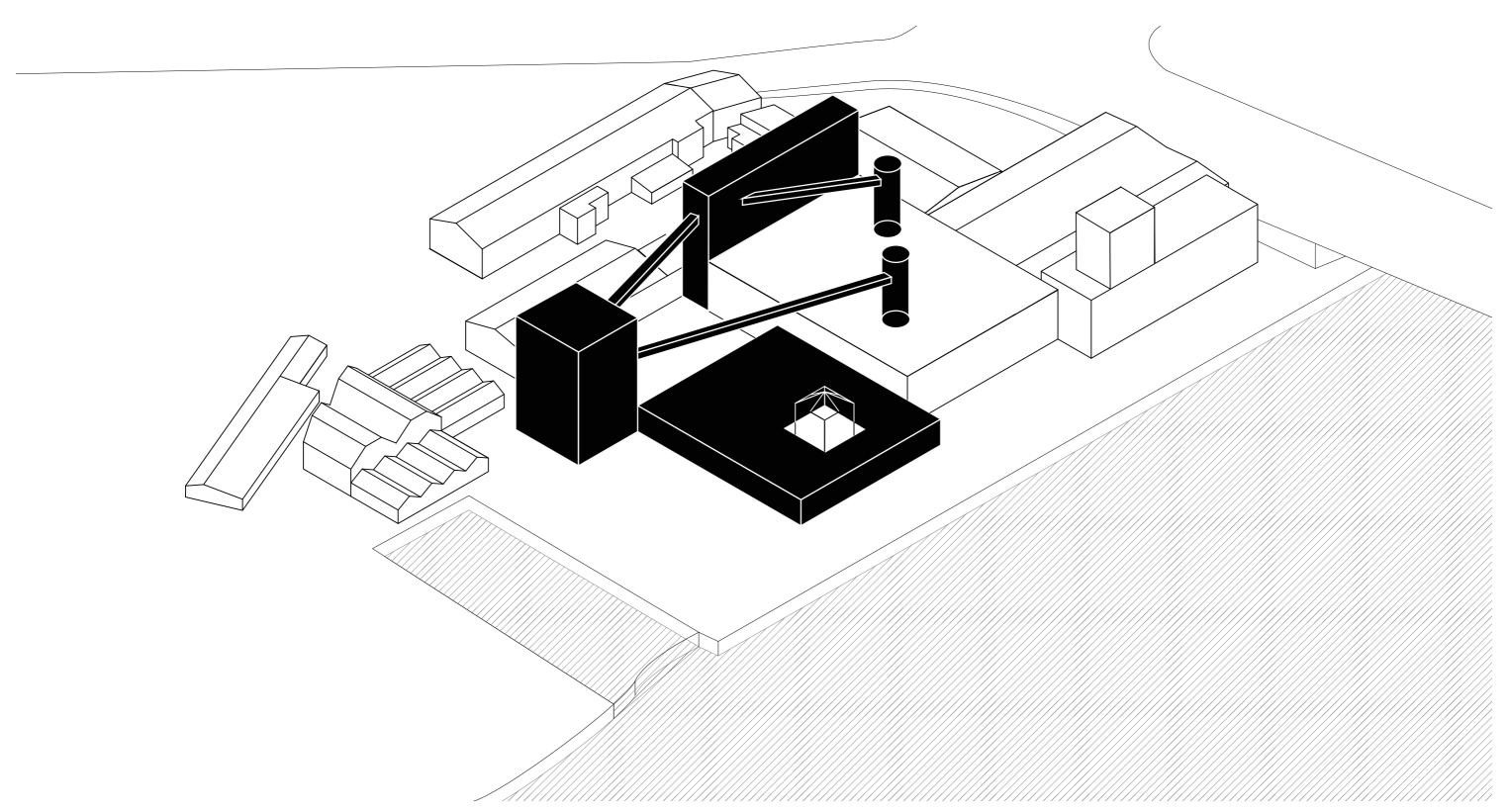
- Surfaces

- Sensorial and identityAdding new structureFondazione Prada (OMA) as a reference project



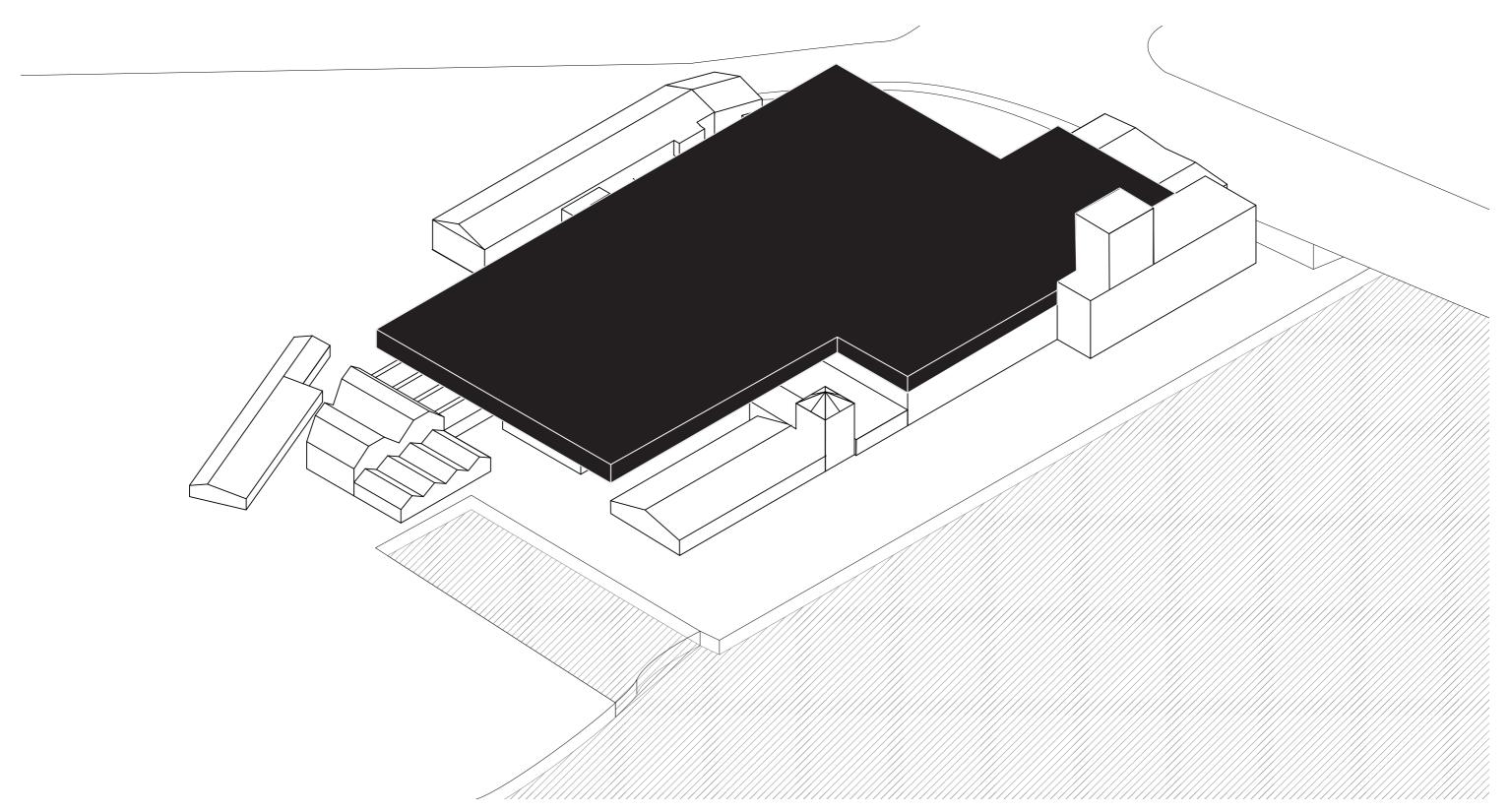
Volume study__III Composite

- New forms to contemplate existing structures
 Traces of history
 Exploit the existing circulation to gain access to roofs
 SESC Pompeía by Lina Bo Bardi as a reference project



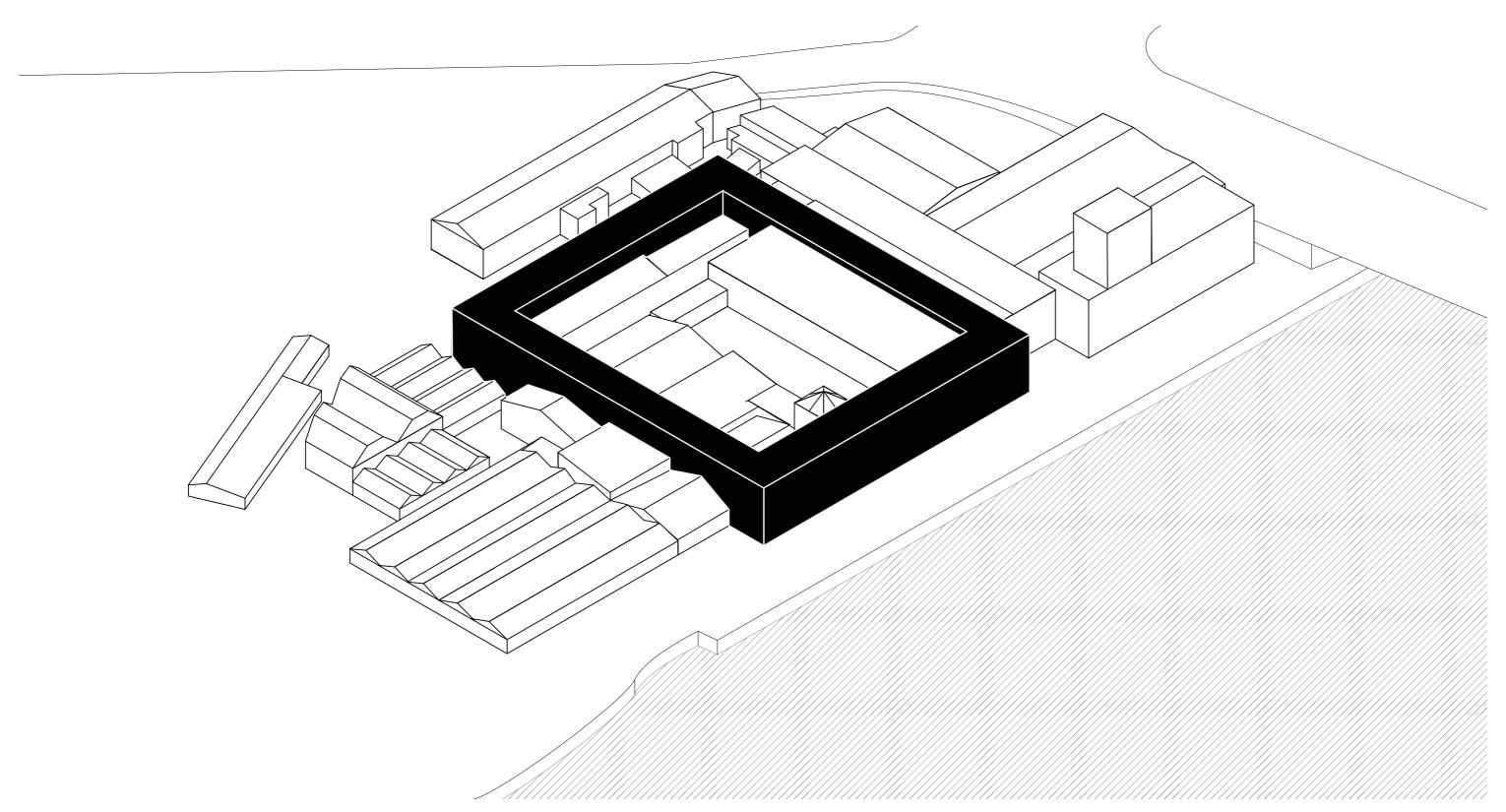
Volume study__IV **Envelope**

- Flexible structureExploit the chaotic roofscapeGive the public overview over each production process



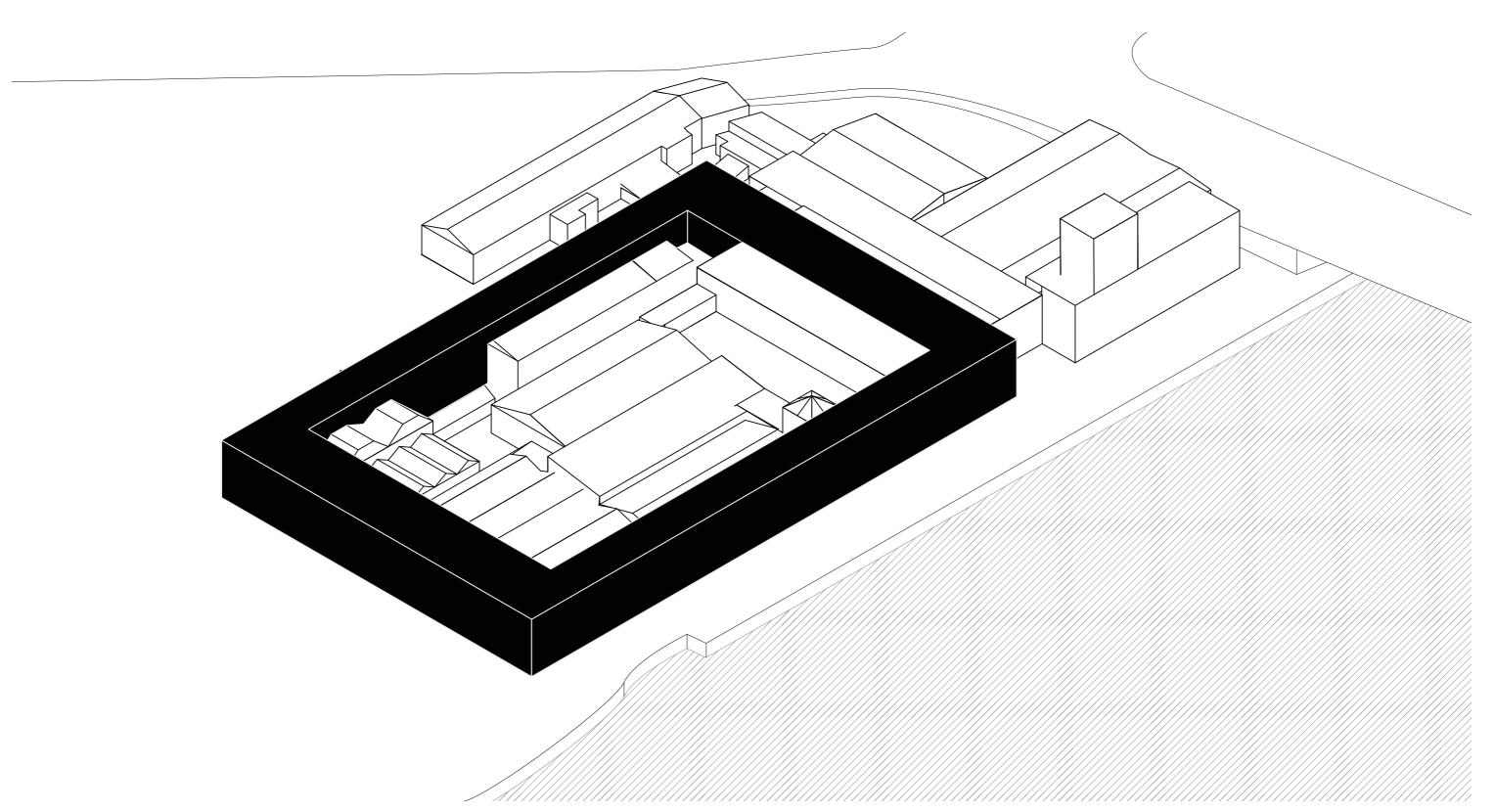
${\bf Volume\ study_V}$ **Frame**

- Frame and protect the industryCreate a clean shapeGive the public overview over each production process



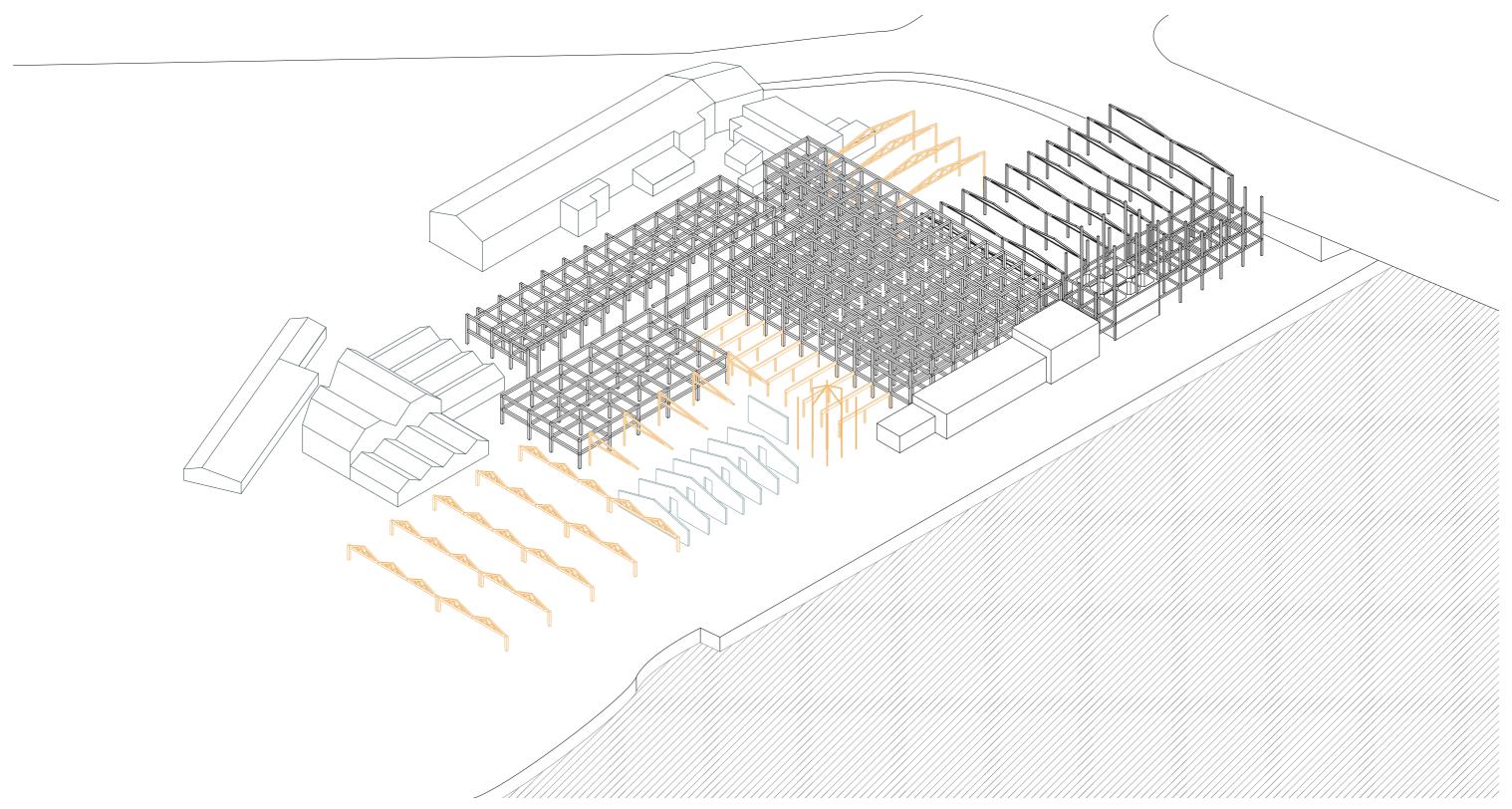
Volume study__VI Frame II

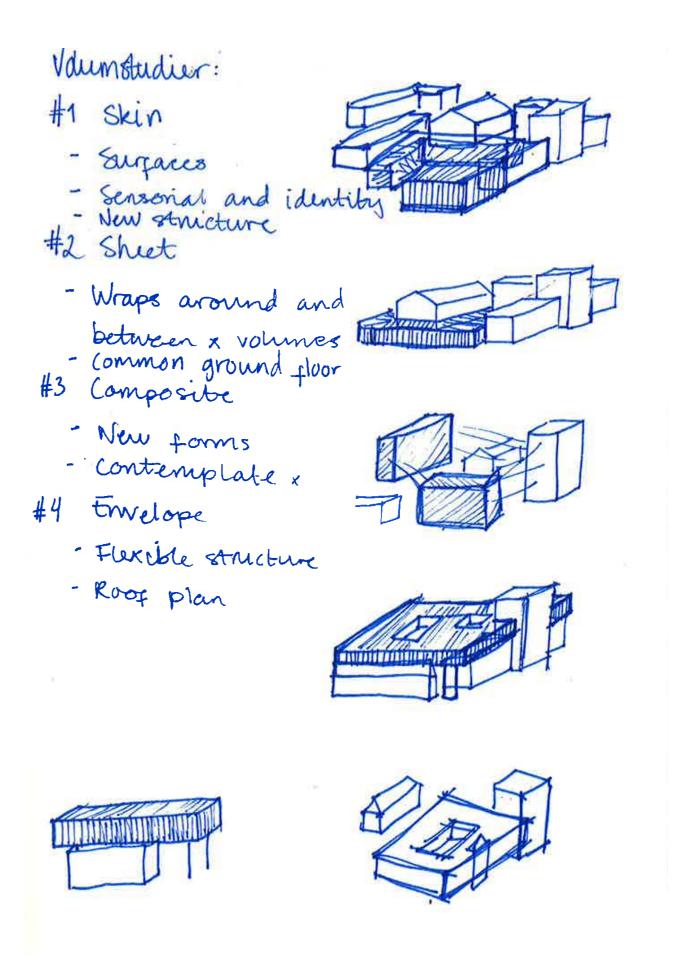
- Frame and protect the industryCreate a clean shapeGive the public overview over each production process



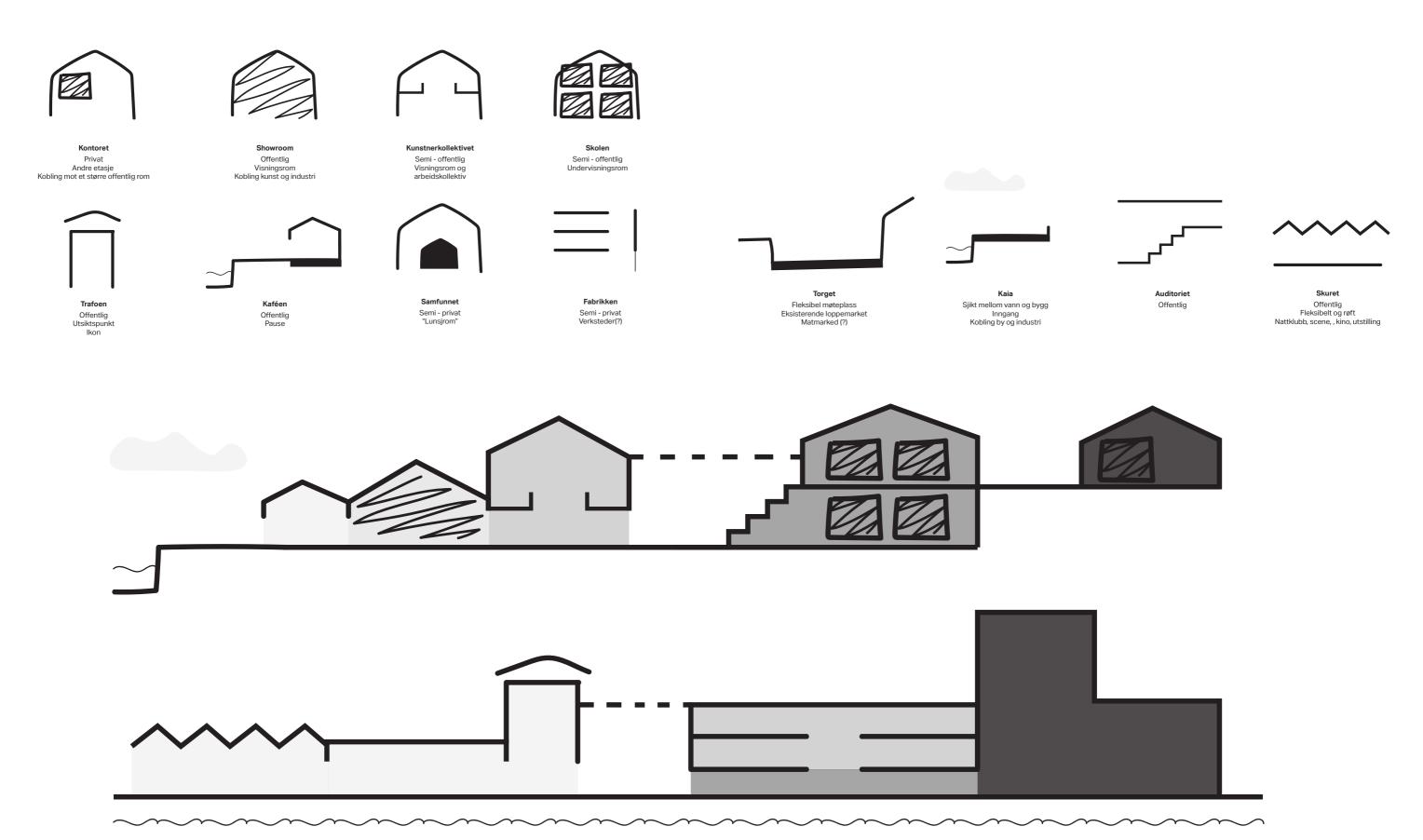
Volume study__VII Cleanse

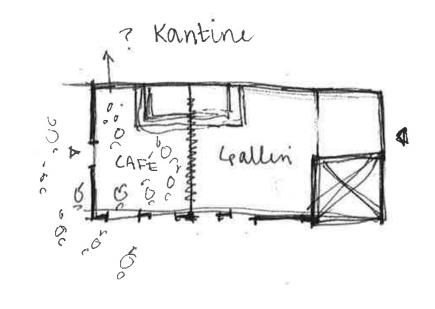
- Remove all 'unprotected' facades
- Exhibith the different structures
- Could make it easer to modualte a 'common' uilding

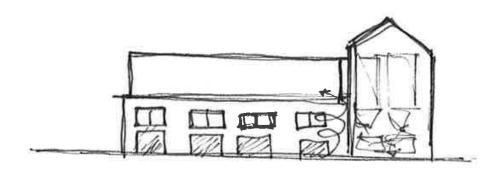


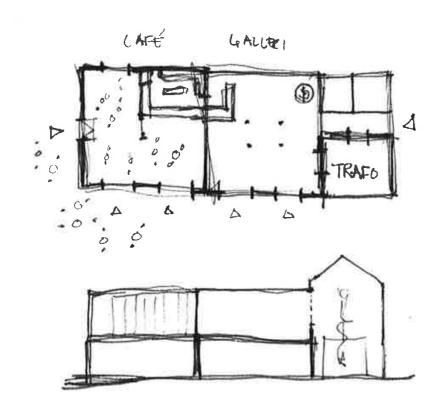


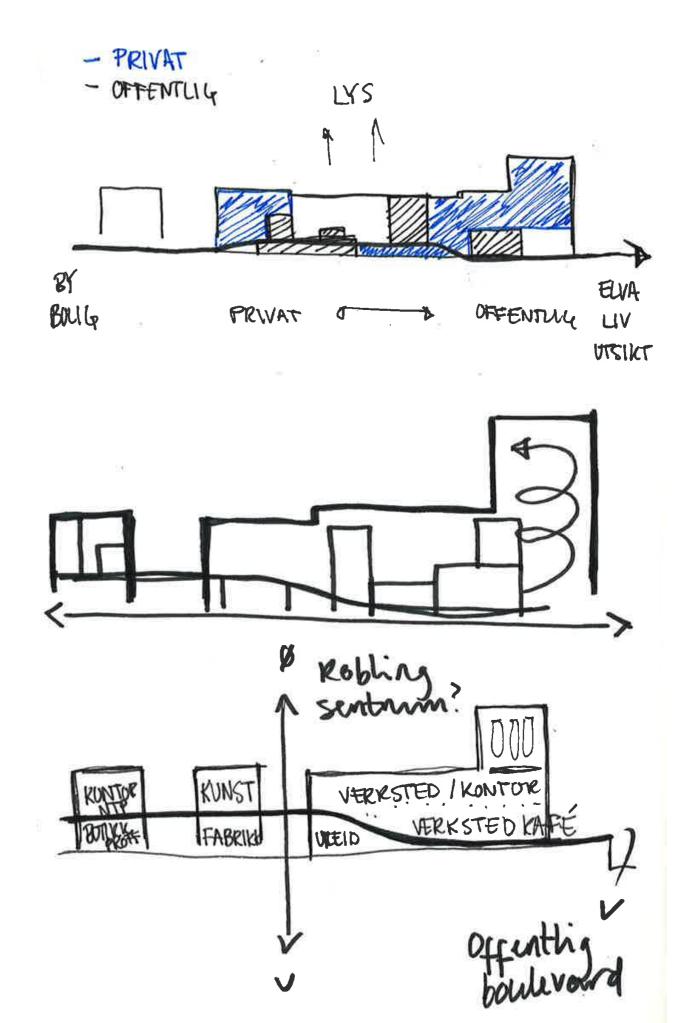
Testing out different spaces and programs at the site











Early sketch of new use of the Raw Material storage

Preservation strategies presented in "Tabula plena" by Bryony Roberts





An abstracted scale of the planned city grid by Jean Cicignon in the 1600s, as a background for opening up the ground floor. This structure wraps around and between existing buildings to connect them to one uniting structure. As Candillis Josic Woods present in the reconstruction of the Center of Frankfurt-Romerberg (1963), the plan highlights social spaces and circulation within the structure.



Skin

Can you imagine transforming in the way that you transform the facades and the interiors through alchemy? In the project Fondazione Prada by OMA in 2015 it is clear that the architect worked concretely with surfaces creating a complex sensorial system and identity. It do also manage to create a new landmark with its golden texture and mirror facade.



Composite

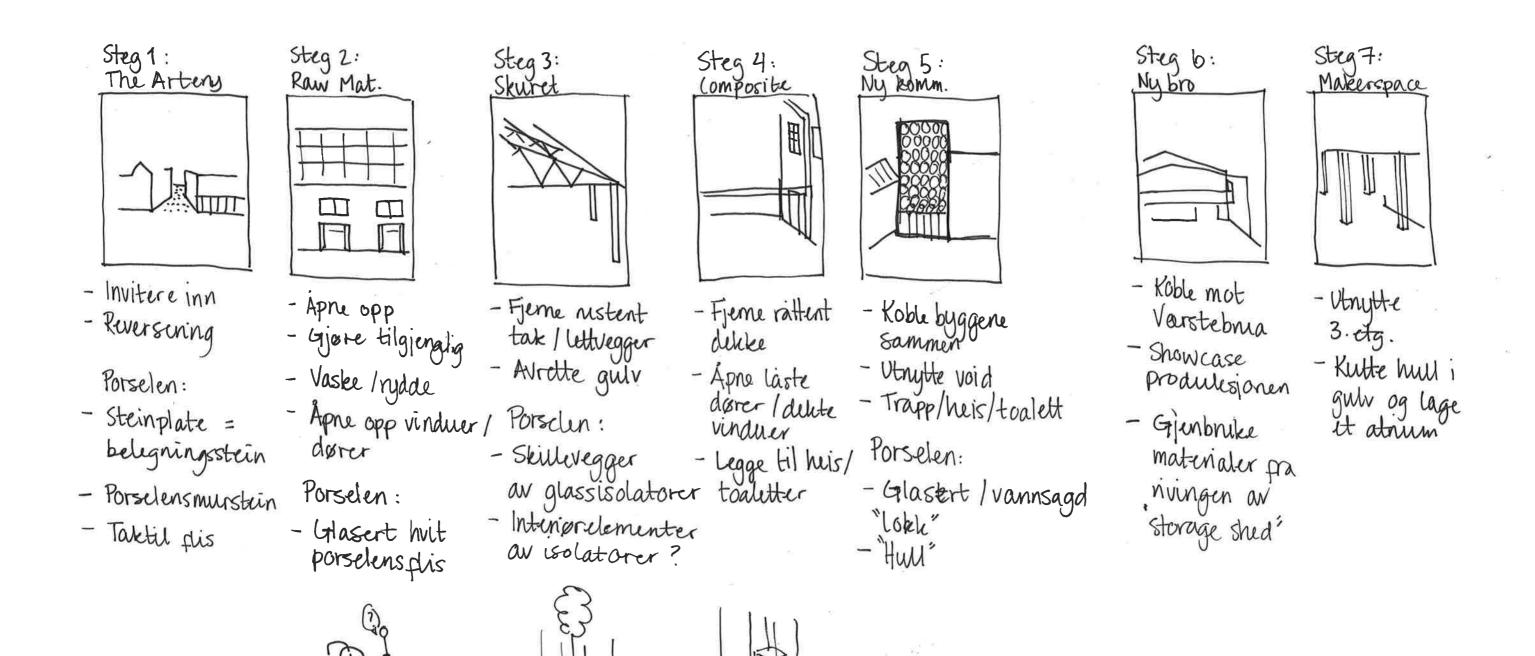
A strategy creating new forms that are spatially interwoven with existing structures.

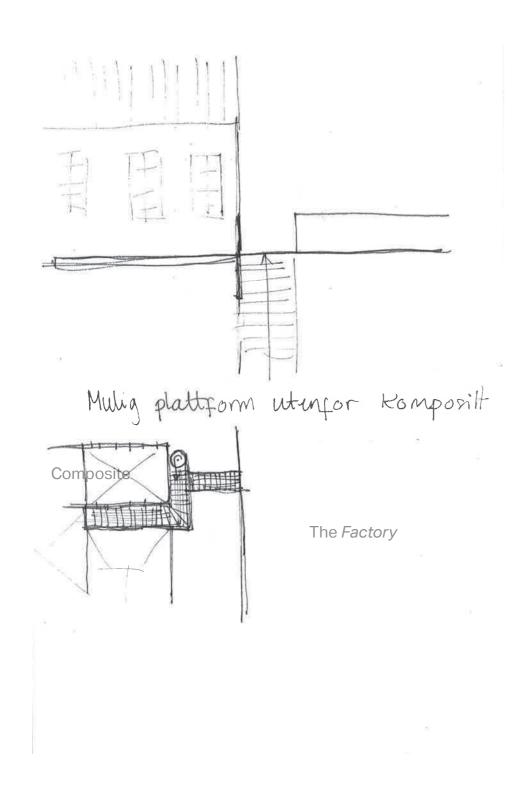


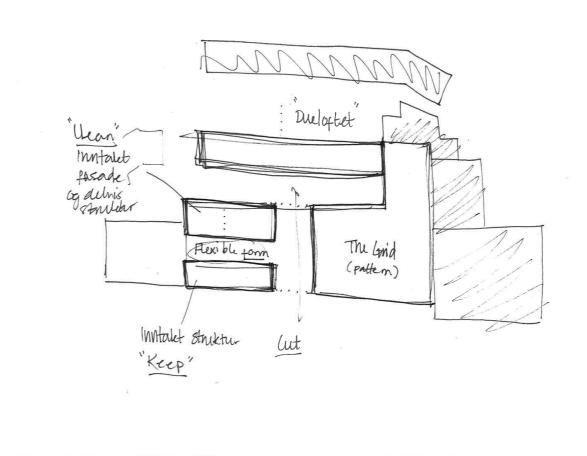
Envelope

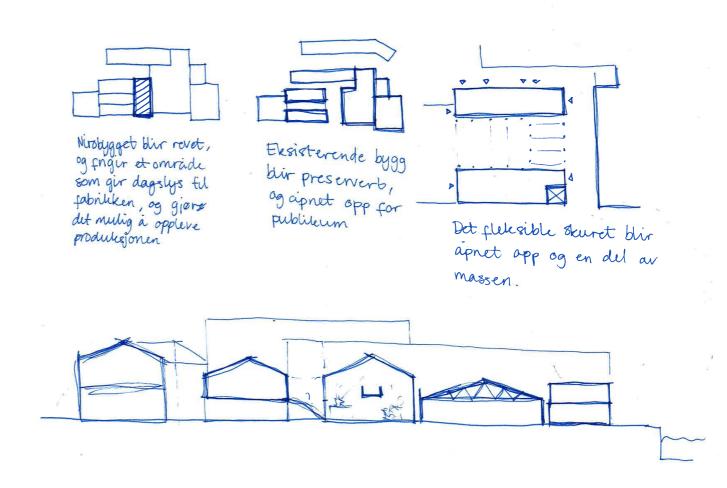
Adding a high-roof supplement with a new mechanical system, can create common container for different programs. Can look down on the different productions, and be a new social space connection the different building components.

Testing out a preservation strategy







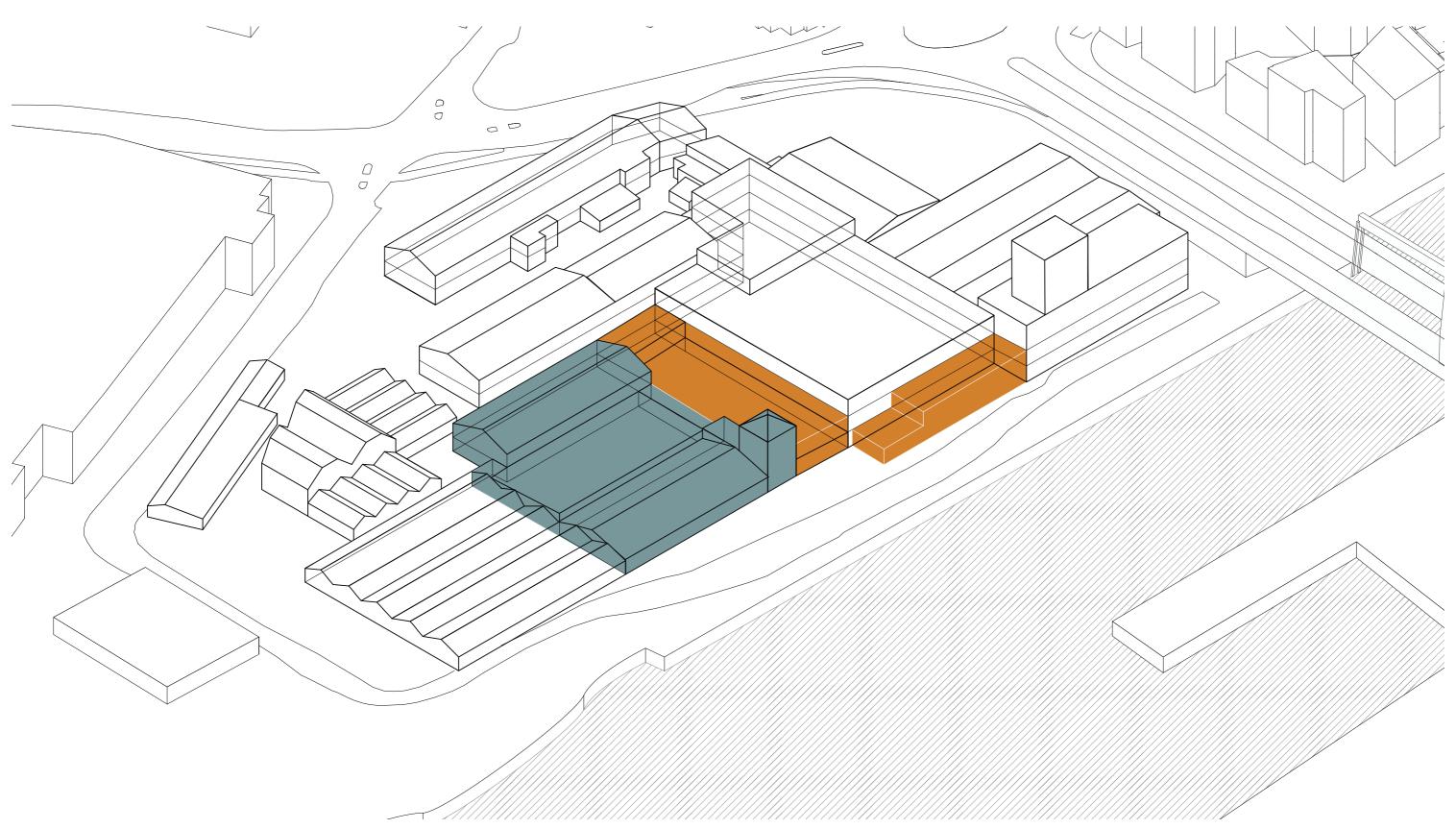


Testing out a preservation strategy Chosen buildings to work with

Removed

Modified

Other buildings O

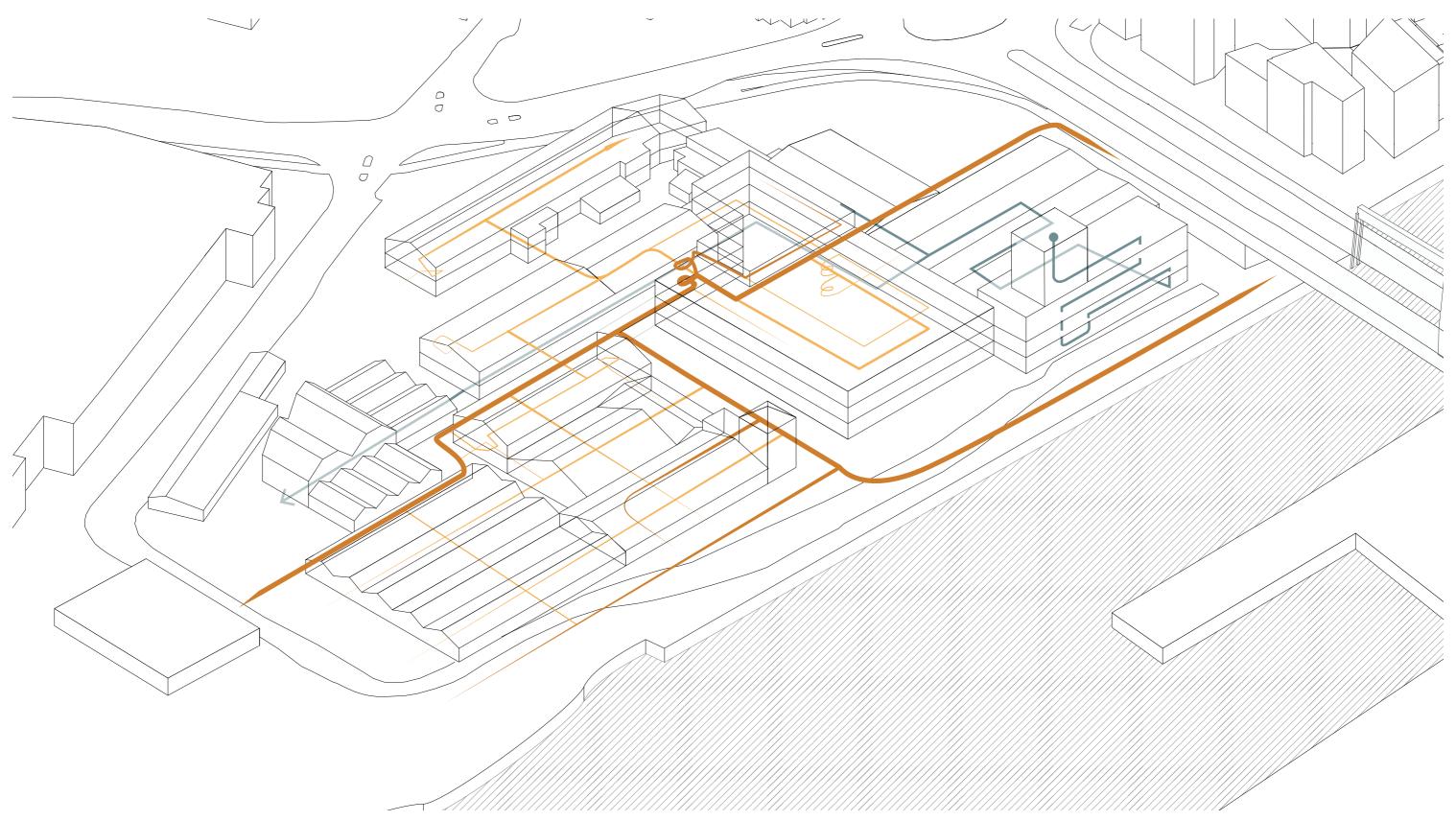


Testing out a preservation strategy: The Artery as the mediator between private and public spaces

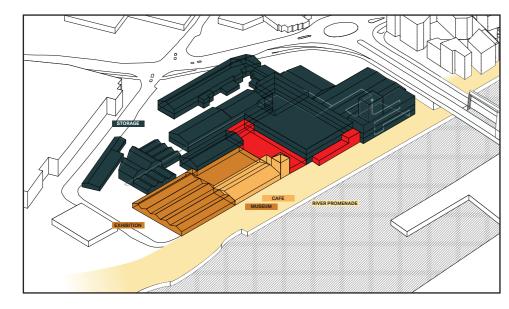
Public path (artery)

Semi-public path (vein)

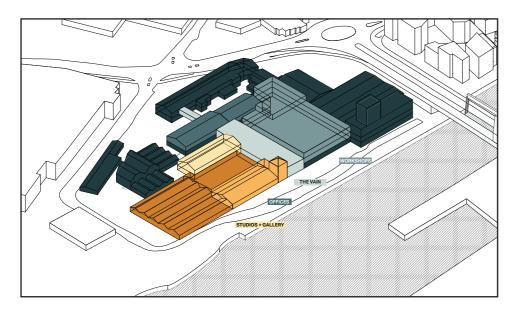
Production line



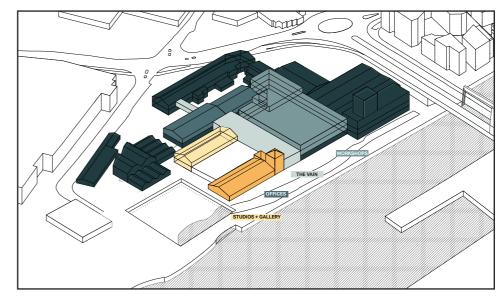
First take on the different strategies



1 year



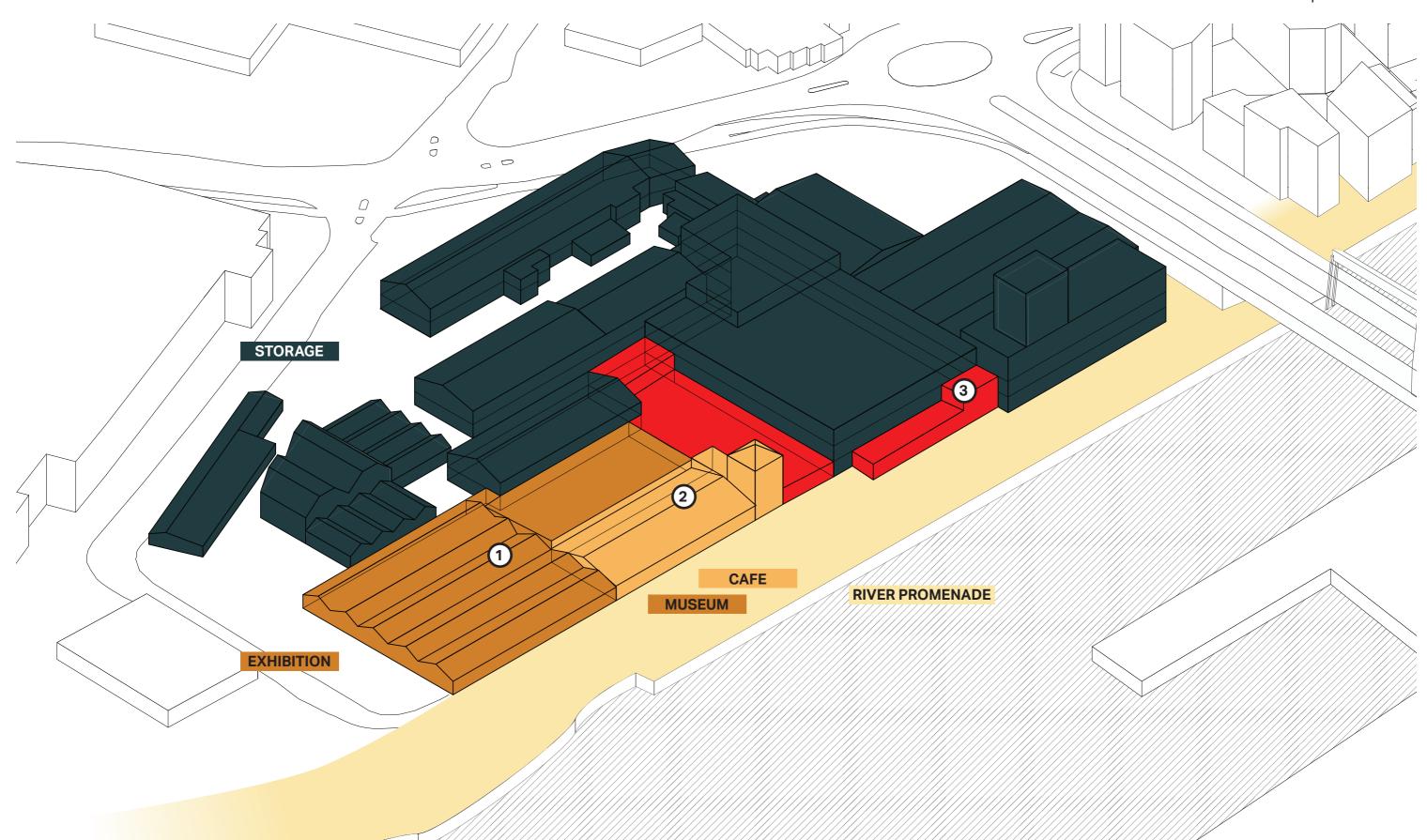
5 - 10 years

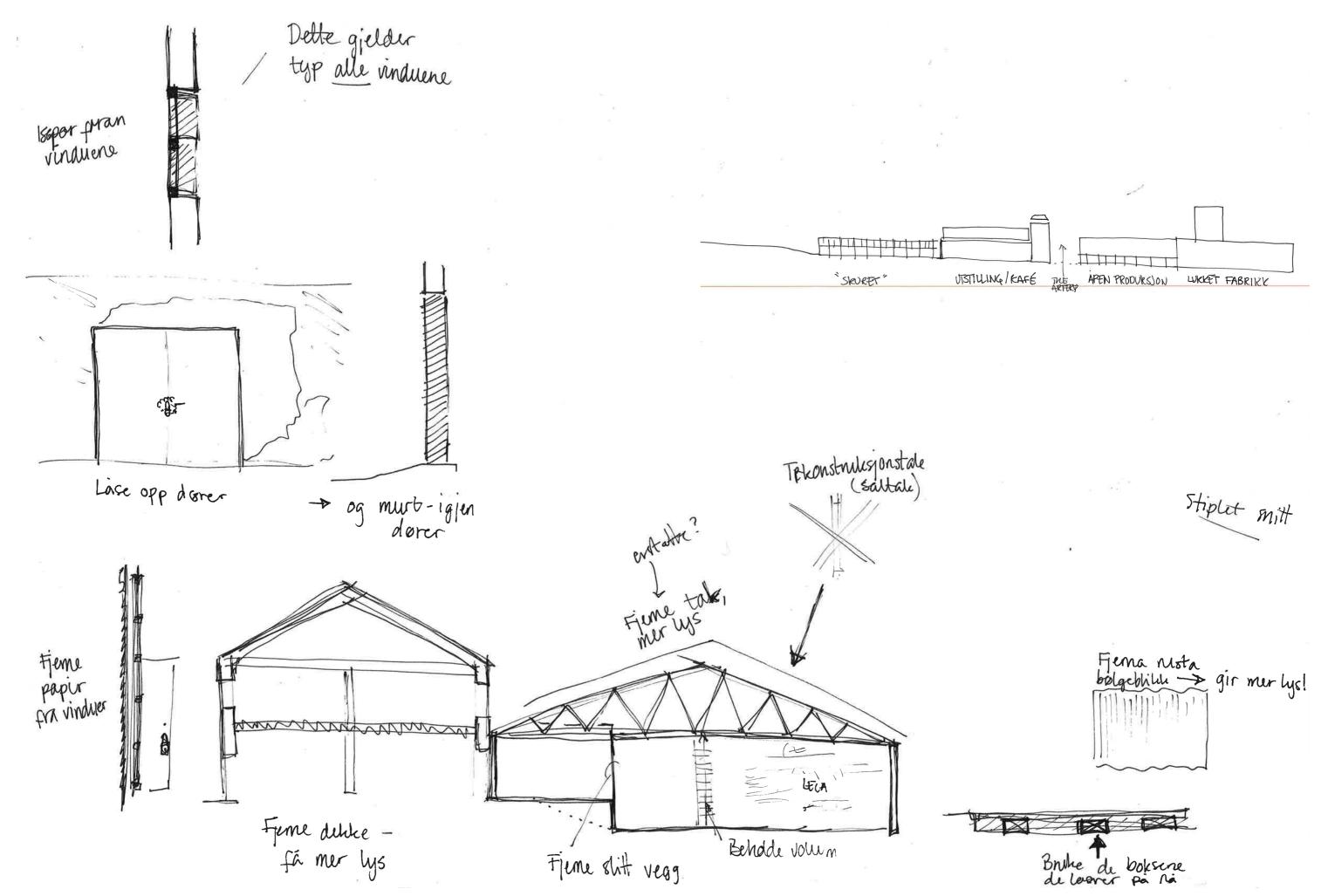


20 + years

Stage 1: One year

- 1. The shed will be more open for the public towards the river. The storage of NTP could be a space for low threshold places such as bar, scene, exhibition, lectures etc.
- 2. The raw material storage will be cleaned and open up its doors and windows. Here it will opened a local café and the Trafo as a viewing point. Possible to connect to the shed.
- 3. The Diving Club house will be removed due to its condition and that the Club has moved to a new location. The removal will make the production inside visible to the public.





Sketches of the different steps of *the arterty* strategy.

Stage 1 *Value mapping*

1. The shed

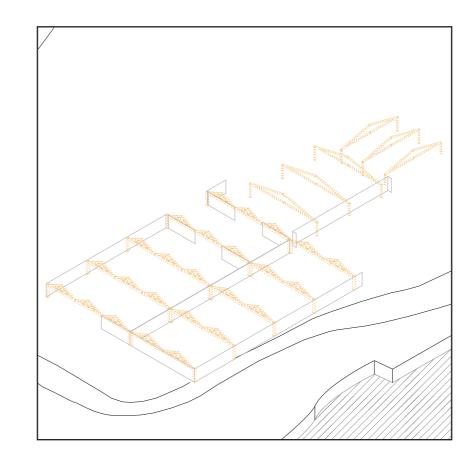
POSITIVE

Offers a flexible structure with overlight. Asphalt covered, which means the site is suitable for rough programs. The facade offers graphiti art.

NEGATIVE

Gets flooded everytime it is raining. The polypurentane facade is badly maintenained and not welcoming.

- Framework
- Graphiti art
- Facade sheets





2. The Raw material storage and Trafo

POSITIVE

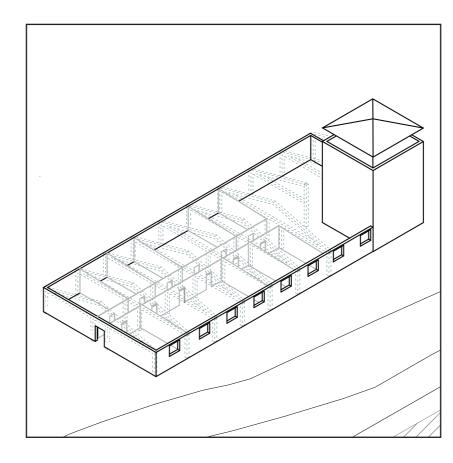
The Storage has a prefab. steel construction and concrete cladded walls. The structure itself is intact and creates big and flexible rooms.

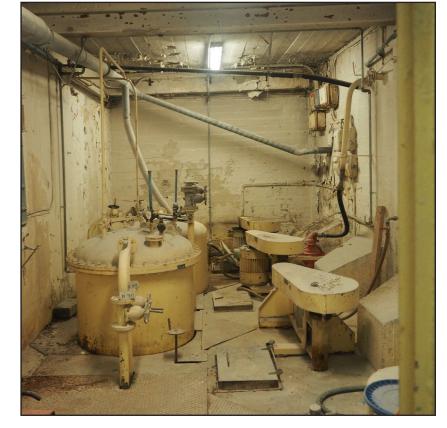
The Trafo tower is in a bad condition, but it still has the value of being an "iconic" element in the area.

NEGATIVE

Looks like the factory abandoned the buildings in a second, beacuse of its lack of cleaning. The buildings are quite dark and especially the storage has a low ceiling.

- Framework
- Cladding
- Light walls



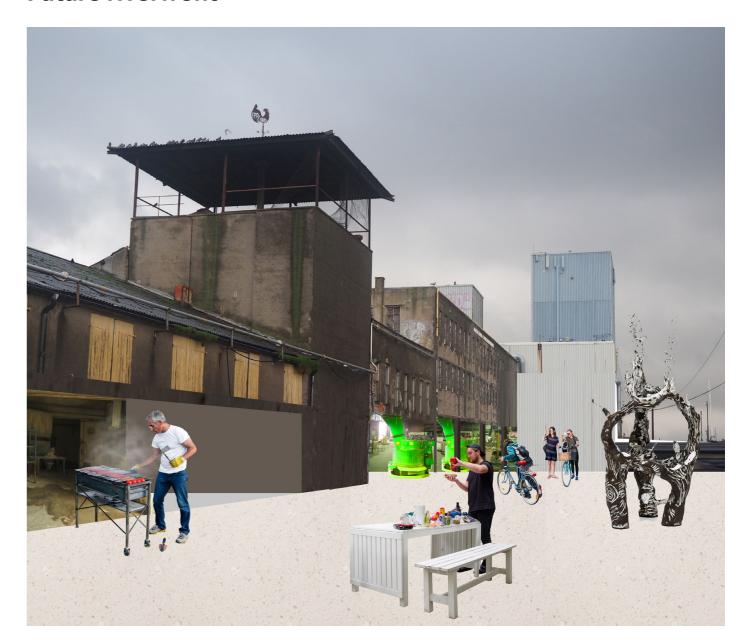


Collages made early in the semester

Existing riverfront



Future riverfront



Collages made early in the semester

Existing storage shed



Future - exhibition area



Collages made early in the semester

Existing storage shed



Future - flooded exhibition area

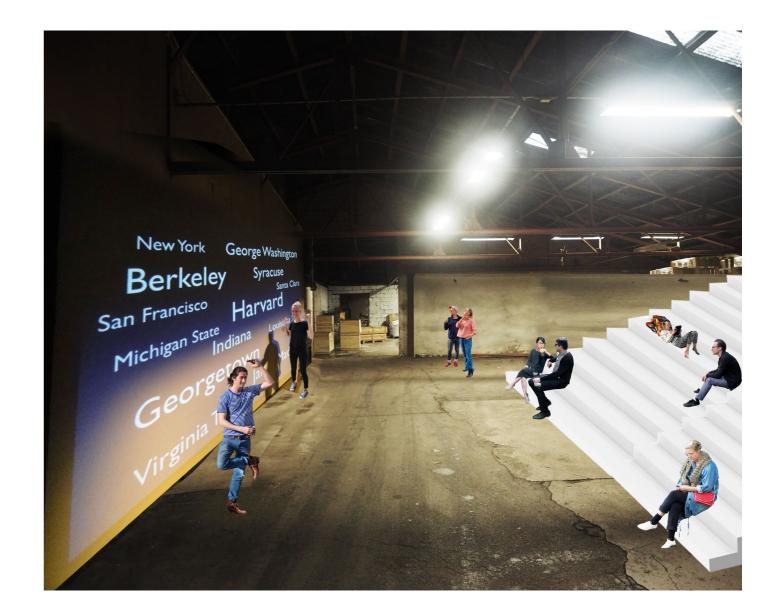


Collages made early in the semester

Existing shed

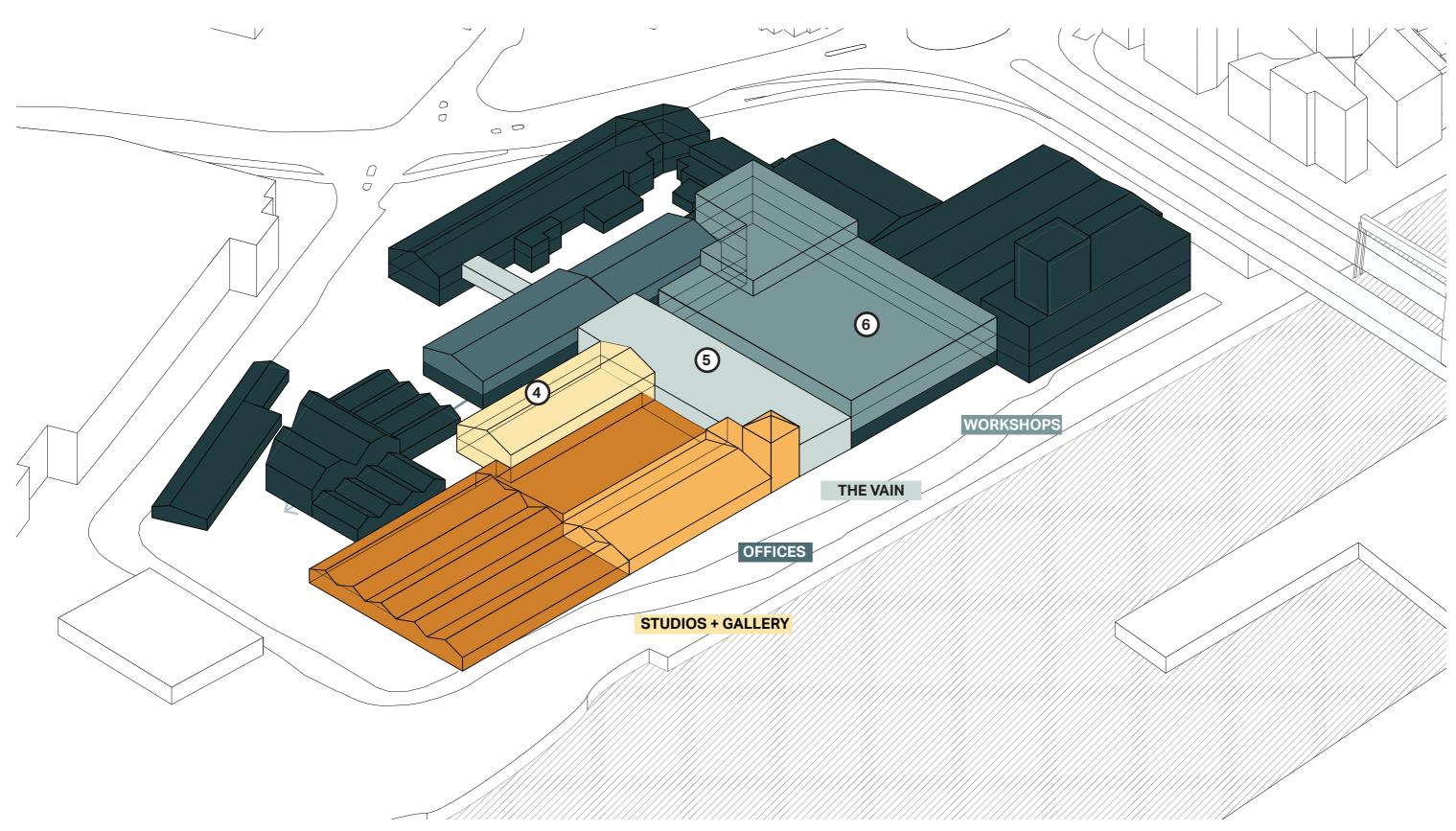


Future - flexible auditorium



Stage 2: 5 - 10 years The Vain is the former name of *the Artery*

- 4. The Composite building will be restored and the ground floor will be a permanent space for exhibition of art, and a store. The 2nd floor will use the exisiting office plan for a cultural / production office purposes.
- 5. The low factory building will be removed due to its condition. The structure will be kept. Will function as a main street in my project. The connection between culture and industry.
- 6. The Factory will be transformed, but kept as workshop facility. The ground floor will be both a public workshop and model lab. The rest of the floor is reserved for the factory if needing more space.



Stage 2 *Value mapping*

3. The Composite building

POSITIVE

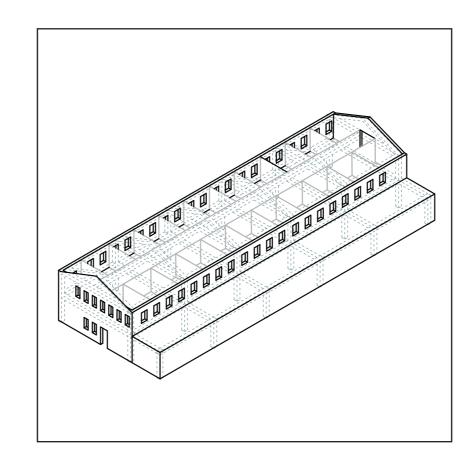
Offers a flexible office plan in the 2nd floor. Today many of the windows are locked and covered. A possibility to create an attractive office space.

The ground floor offers a flexible space with a high ceiling.

NEGATIVE

A lot of light walls in the ground floor, what can be removed. Unused connection the the shed.

- Structure
- Facade
- Onfill





4. The Factory

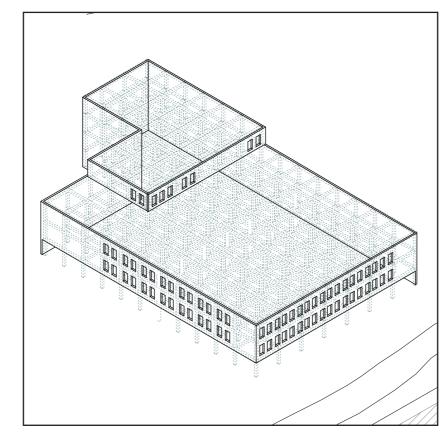
POSITIVE

Original from 1916. Some of the original facade burned down in the 1930s, so the exisisting elements proofed its sustainability.

A flexible structure.

NEGATIVE

The building is quite deep, creating a lot of dark spaces.







Facade

Collages made early in the semester

Existing offices in the *Treatment* dept.



New use of empty office space



New programming after 10 years

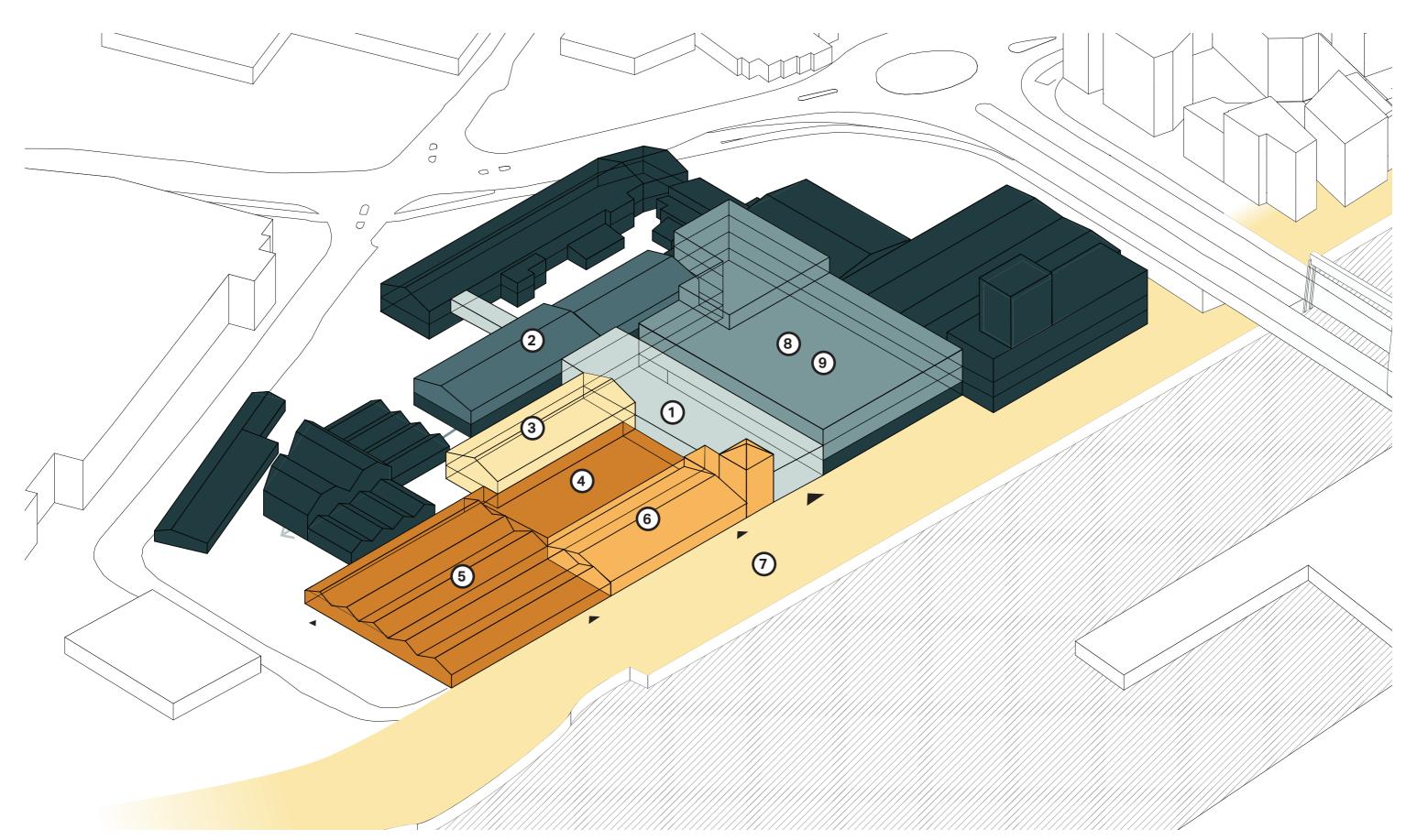
- The Artery / Connector
- 4 Gallery space
- River promenade

- Creative offices
- Flexible shed
- Public workshop

Creative workshop

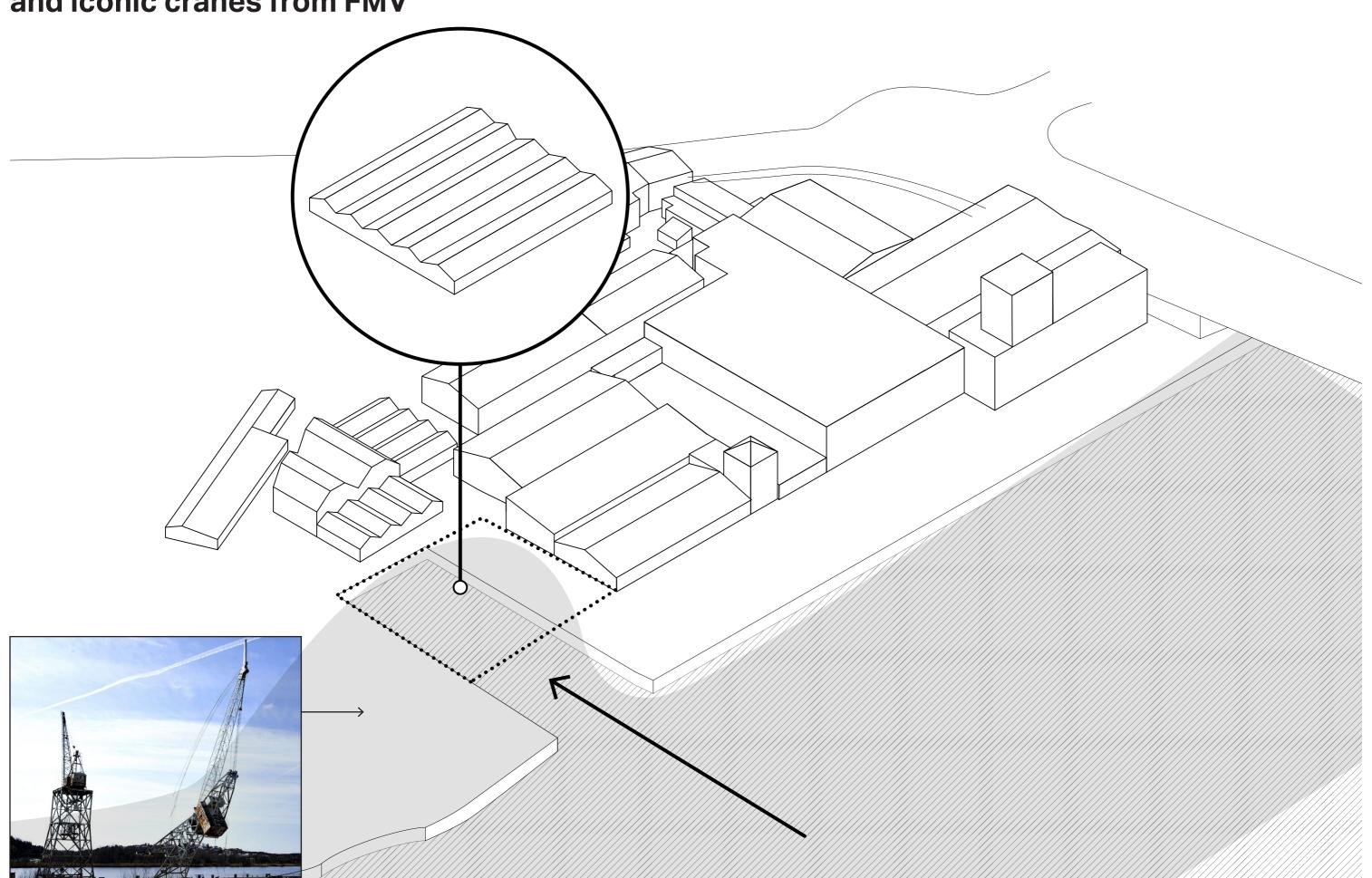
- Studios





Future arrangement of existing buildings Possible removal of storage building due to its condition and are placed in a overflood area. Adding a quay in the storage building plot could help the situaton both in terms of logistics, but also minimize the potential for flooding.

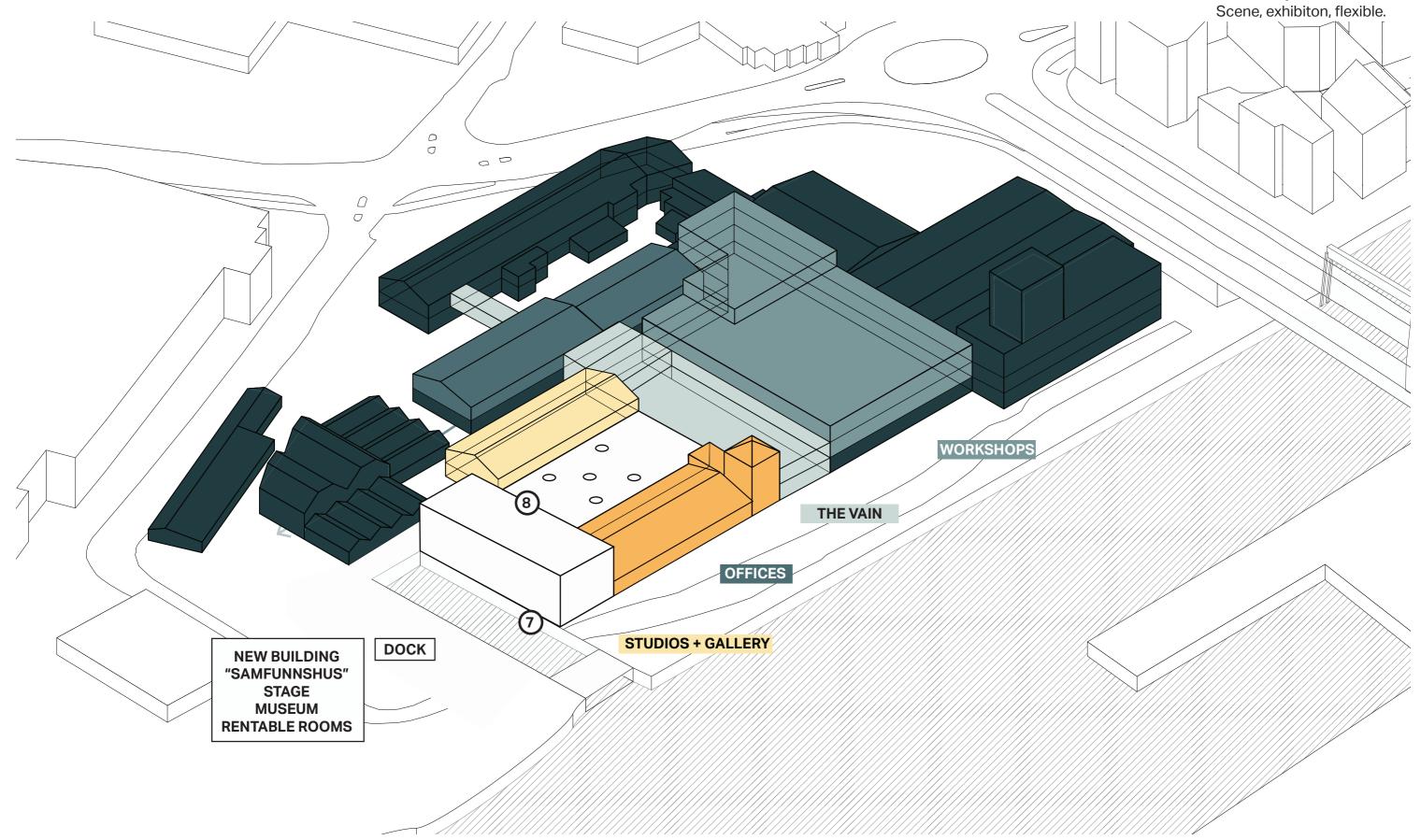
Keeping the historical and iconic cranes from FMV



Stage 3: 10 - 15 years - Community House

- 7. The Shed will be removed due to its condition and the danger of overflood. As an possible solution where can be built a new dock.
- 8. A new building will be placed at parts of the former shed plot. This building can work as a new "samfunsshus" where several actors in the local community can meet.

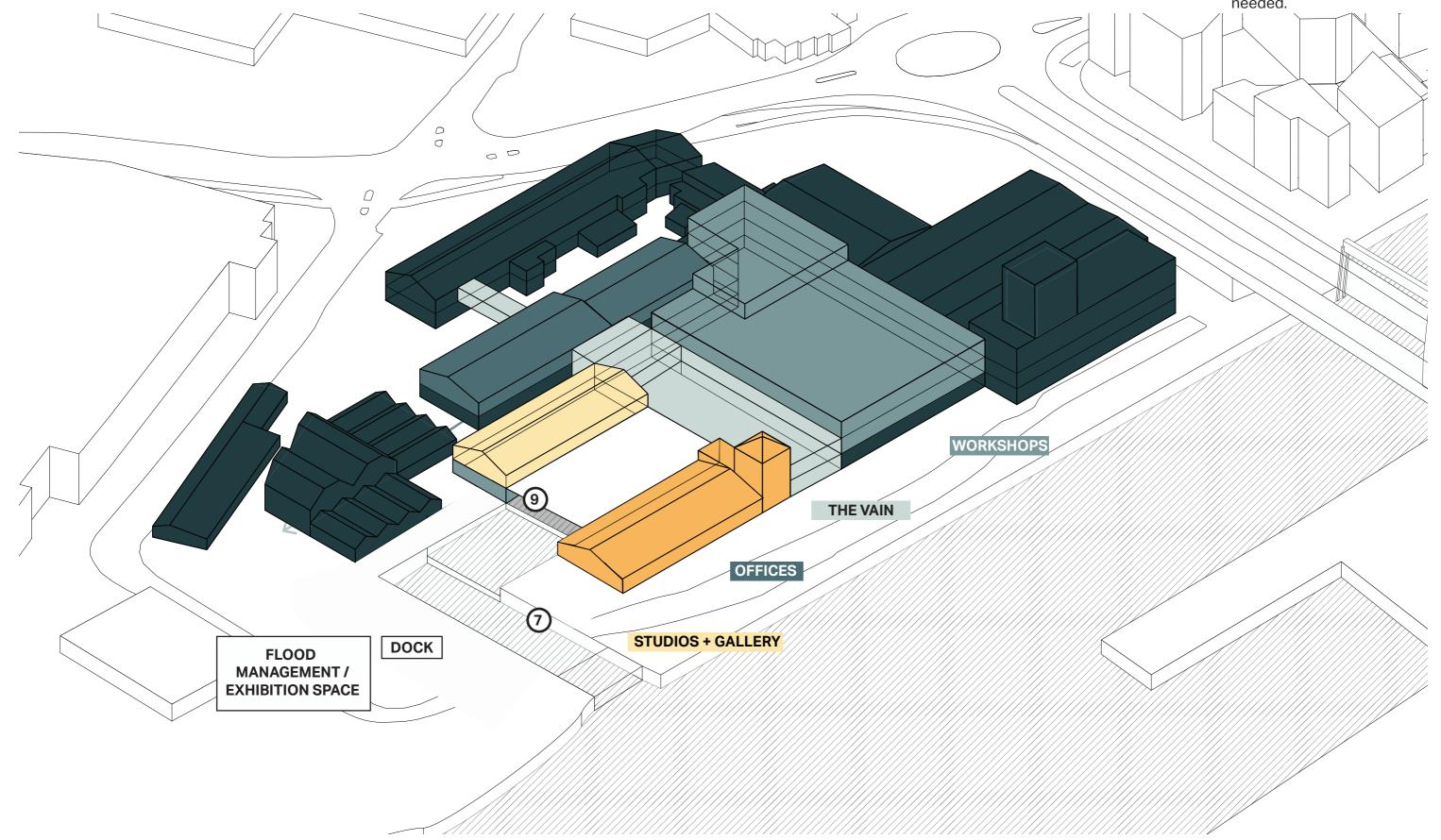
 Scene, exhibiton, flexible.



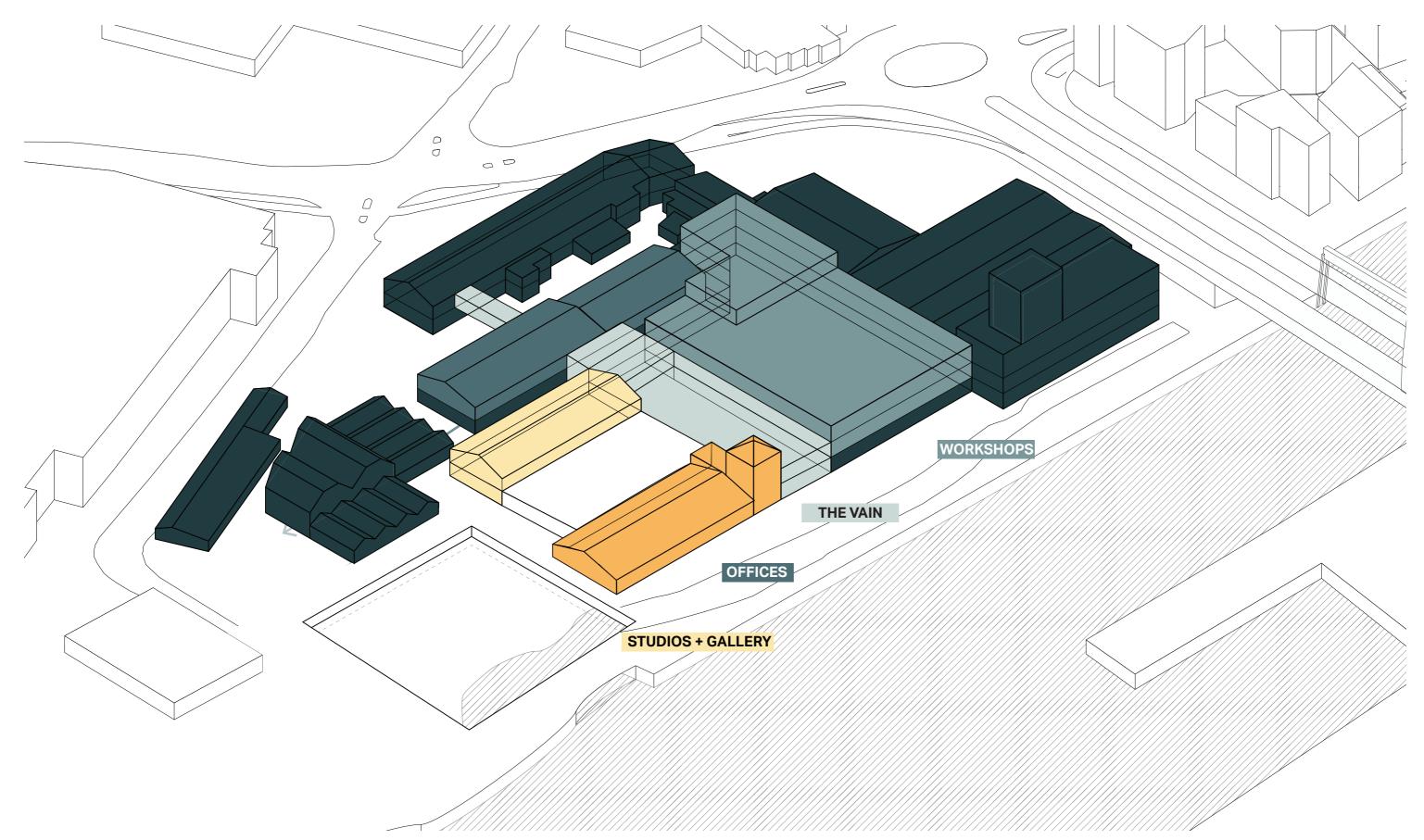
Stage 3: 10 - 15 years - Flooded architecture

7. The Shed will be removed due to its condition and the danger of overflood. As an possible solution where can be built a new dock.

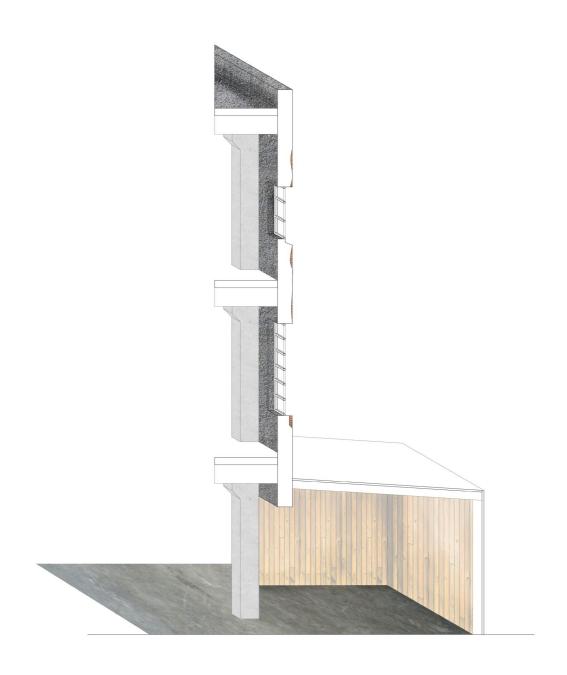
9. A kanalization of the flooded water will be placed where the old shed and addition was. This can both works as an exhibition space, but also function as flood management when needed.



Stage 3: 10 - 15 years - water controlled piazza

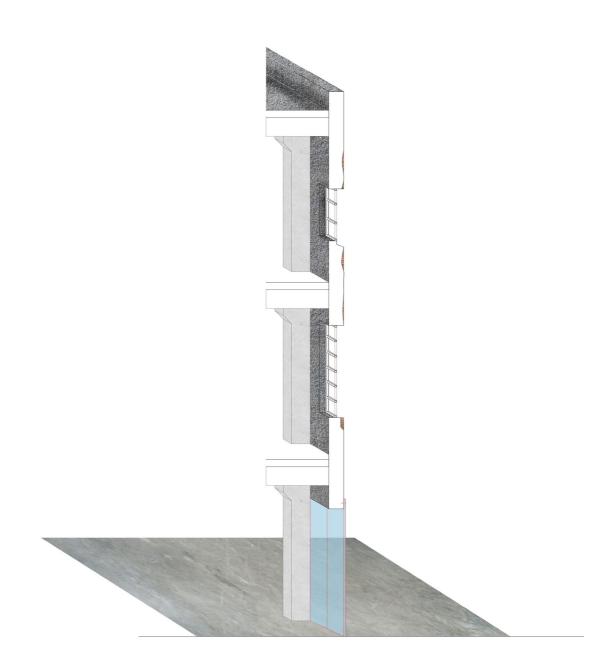


Interventions *Transparent production*



Existing

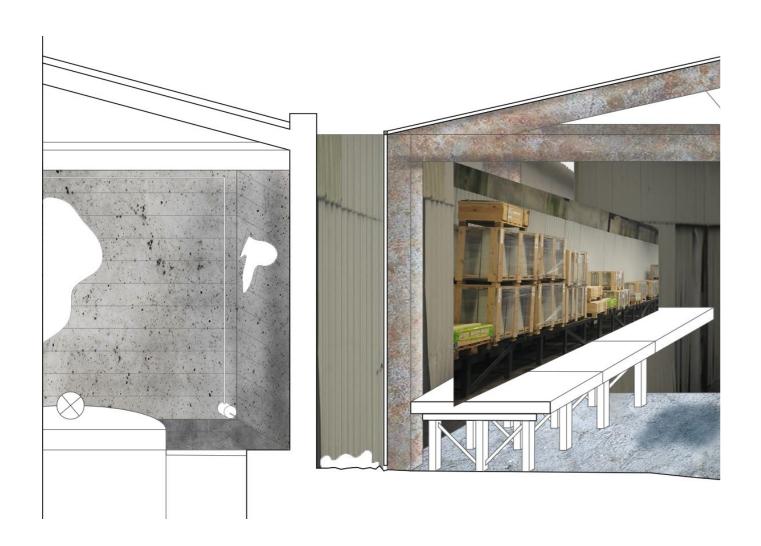
A abandoned storage unit is blocking the view towards the river. The existing factory facade in the ground floor is removed.



Future

By removing the storage unit and adding windows carefully to the protected facade, the public will have overview of the the production inside.

Interventions Connect buildings through courtyard



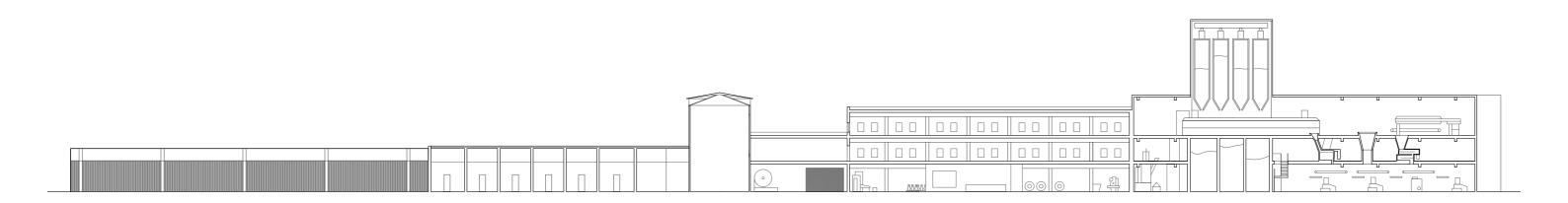


Existing Future

The Raw Material storage at the left, the shed at the right.

Materialty test section

EXISTING



FUTURE (STRATEGY 1+5)



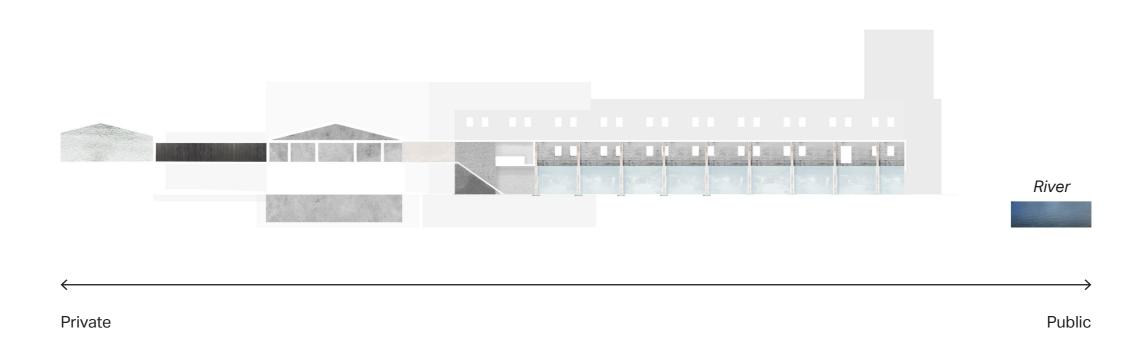
Public

Materialty test section

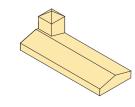
EXISTING

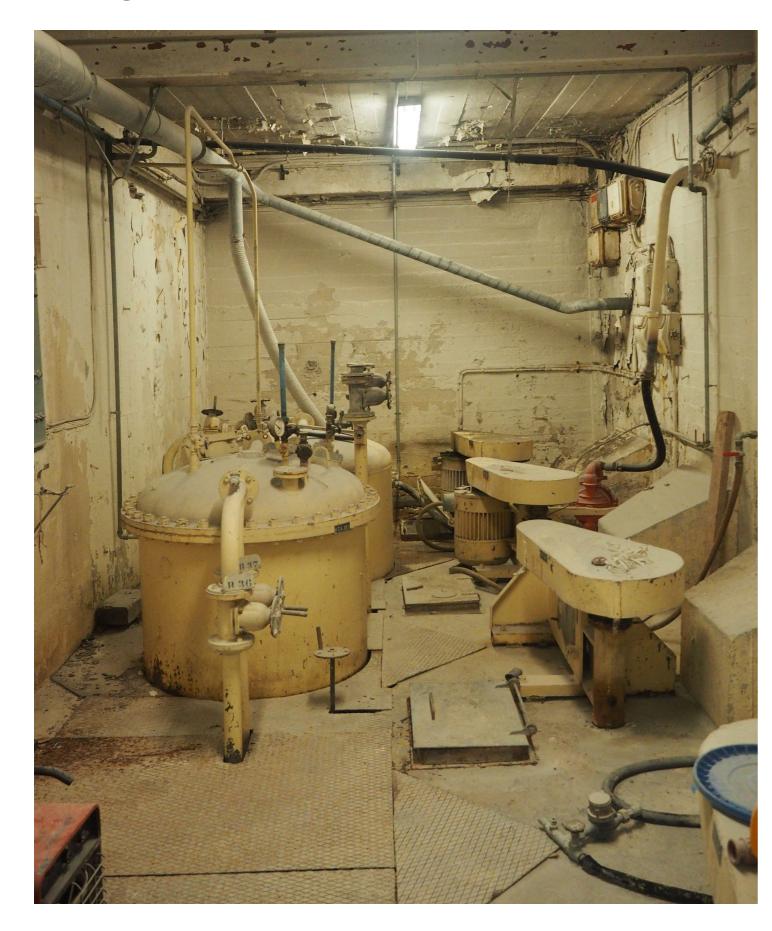


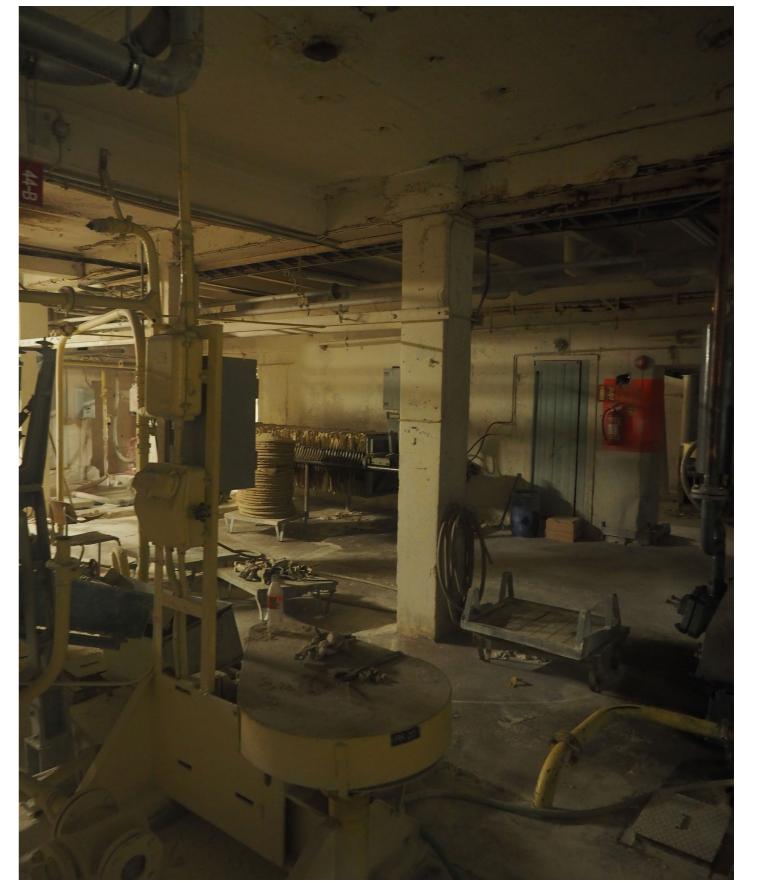
FUTURE (STRATEGY 1+5)



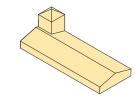
Mapping the Raw Material storage

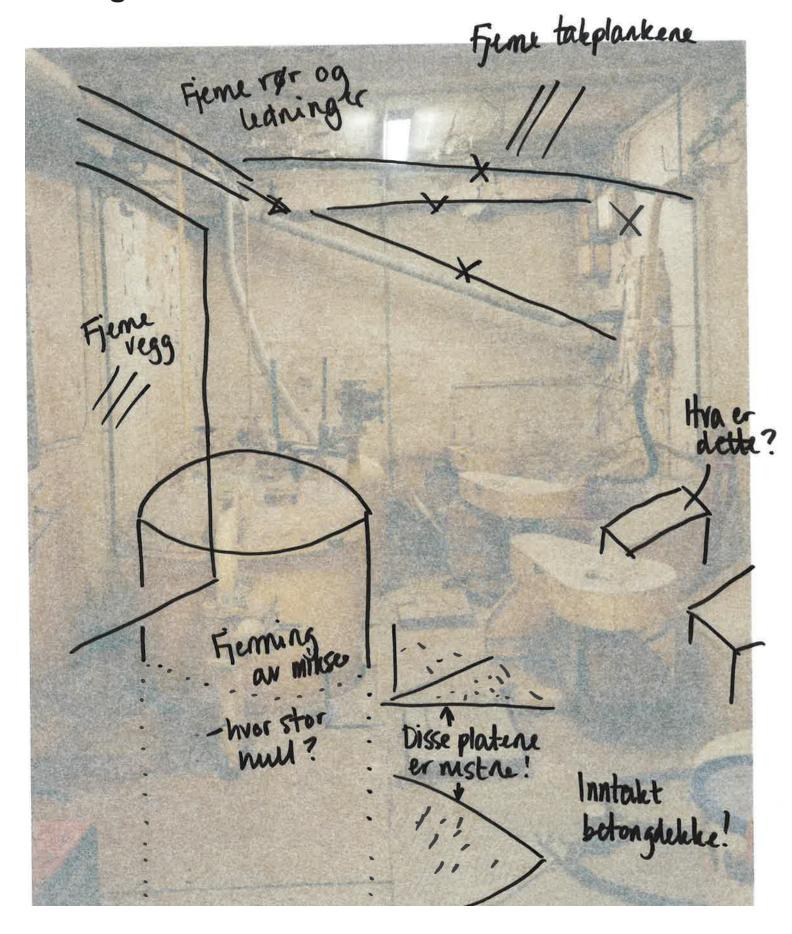


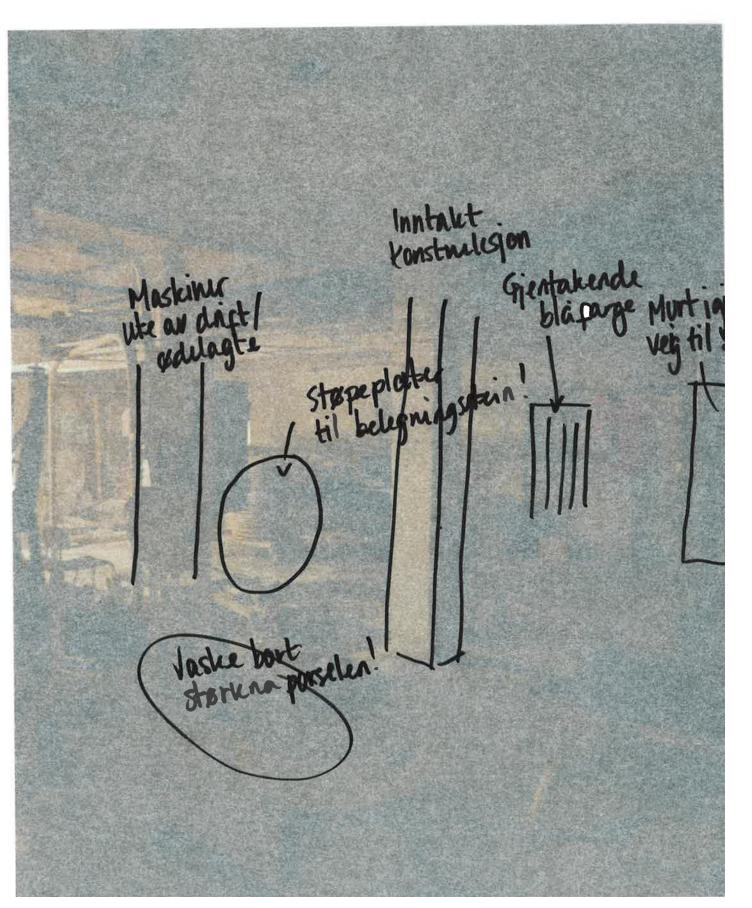




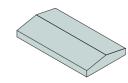
Mapping the Raw Material storage - sketches



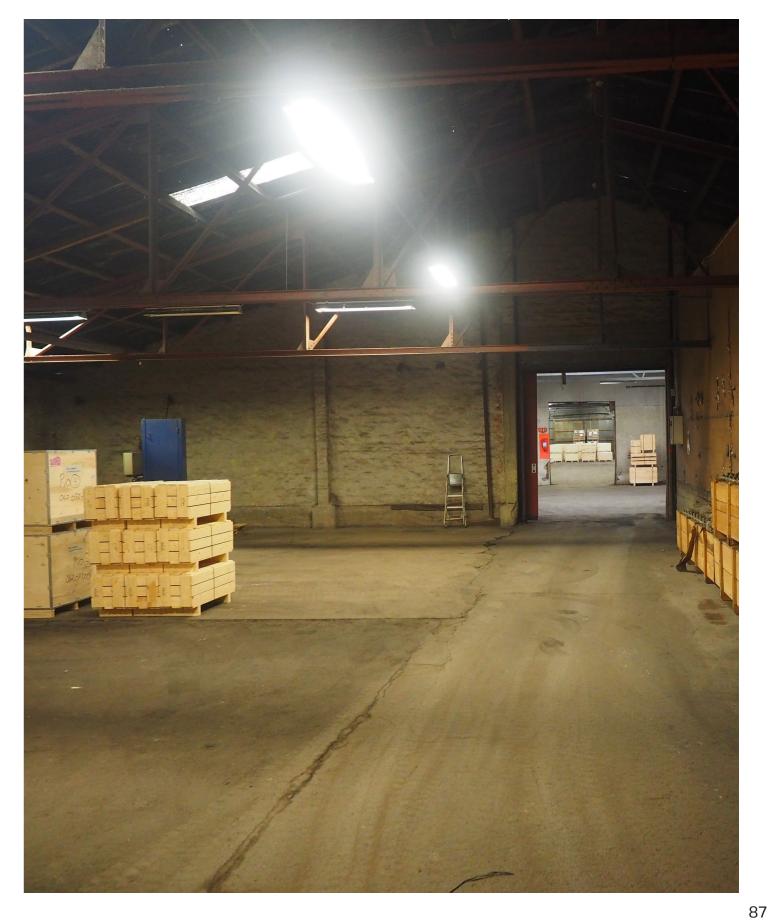




Mapping the Shed

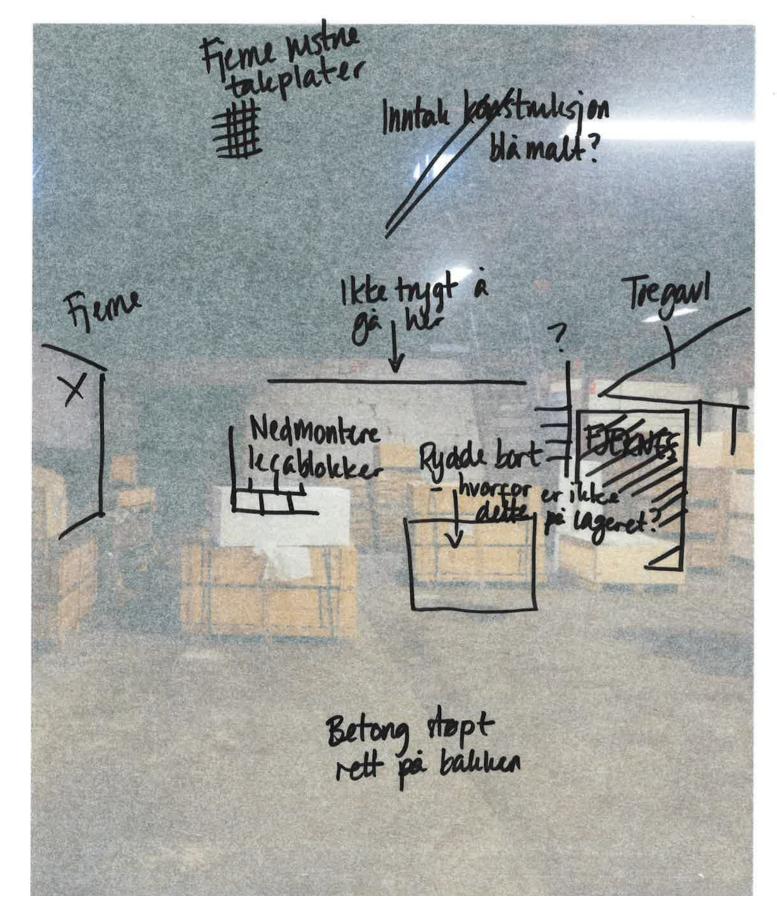


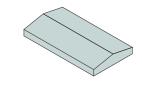


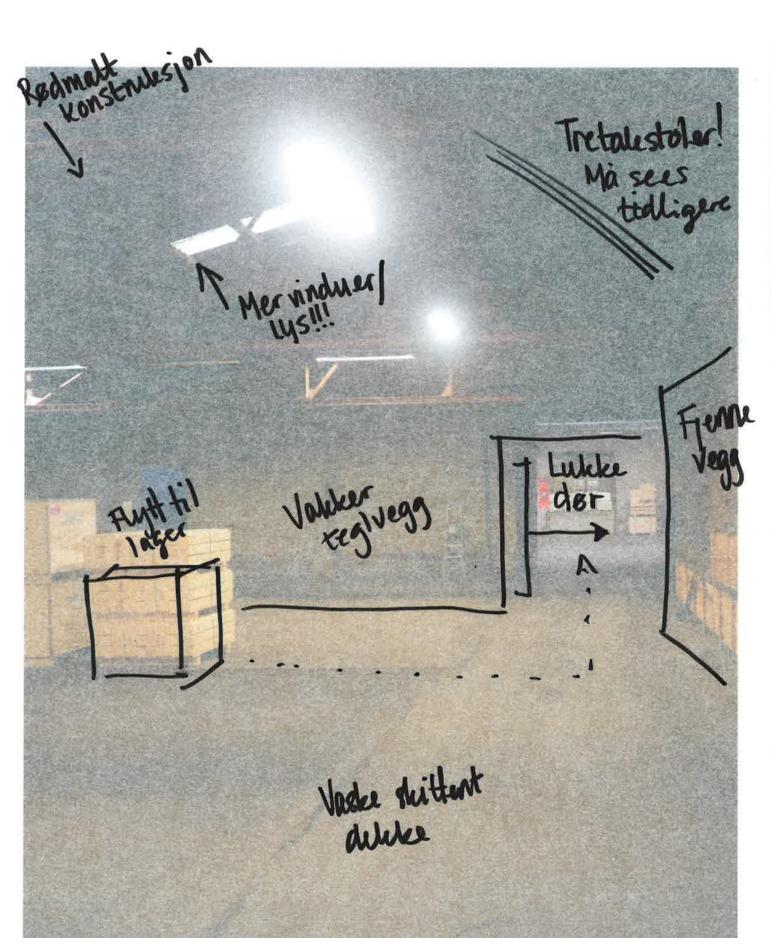


Mapping the Shed

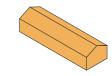
- sketches

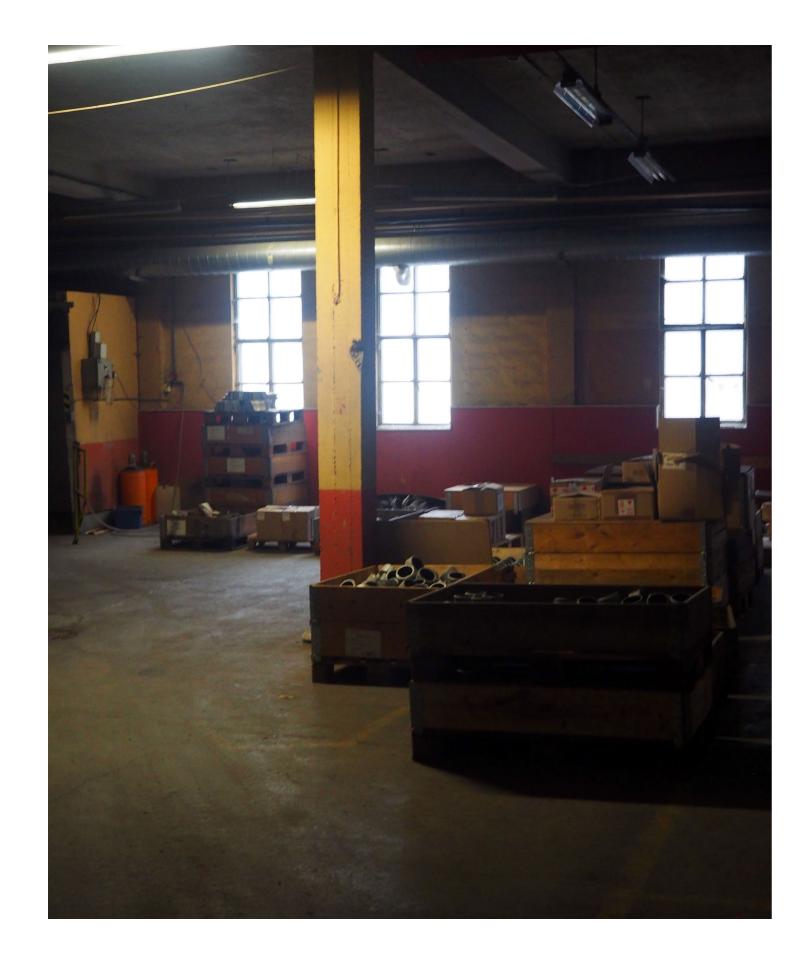






Mapping the Composite building

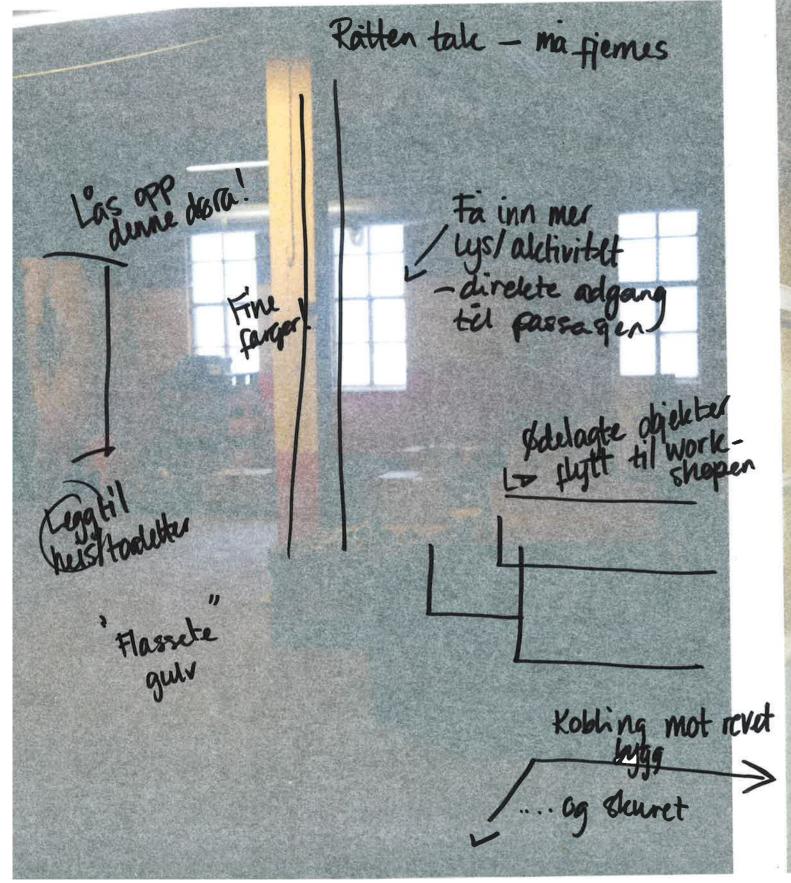


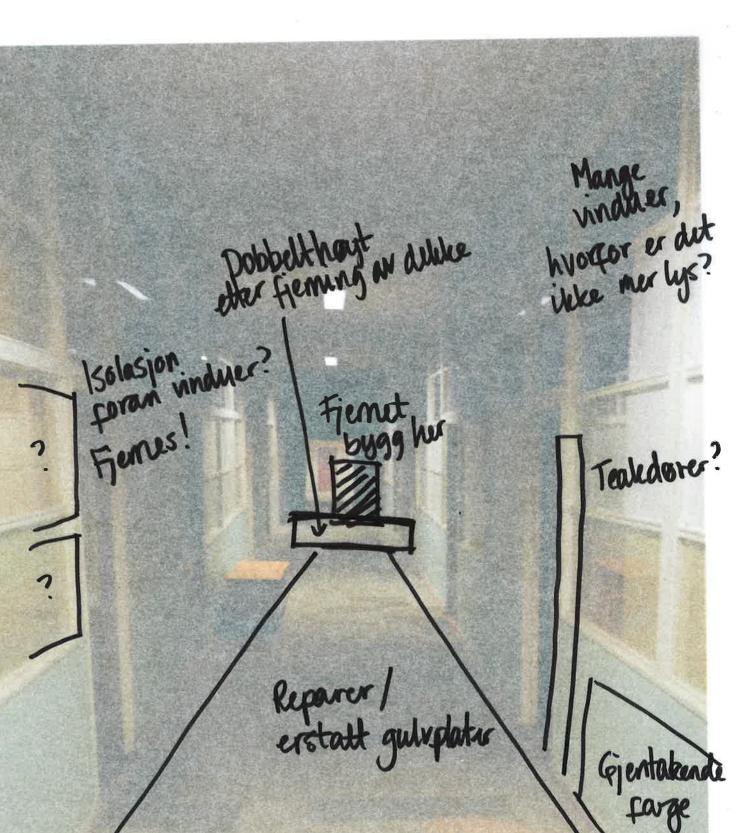




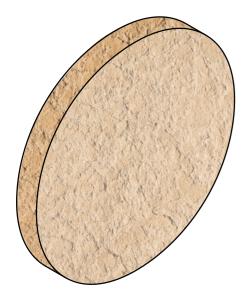
Mapping the Composite building

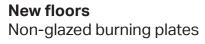
- sketches



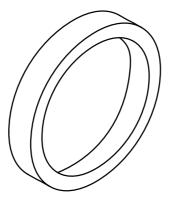


New use of leftover porcelain from the factory



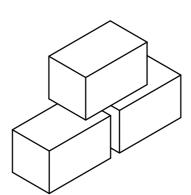


In production: Used one time, then dumped in a container.



New walls Forming shapes

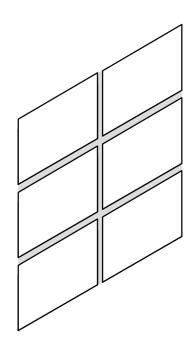
In production: Used one time, then crushed and used as landfill.



New facades

Recycled porcelain from the factory (Ref. glazed porcelain brick)

A collaboration between the artists and the factory to create synergies.

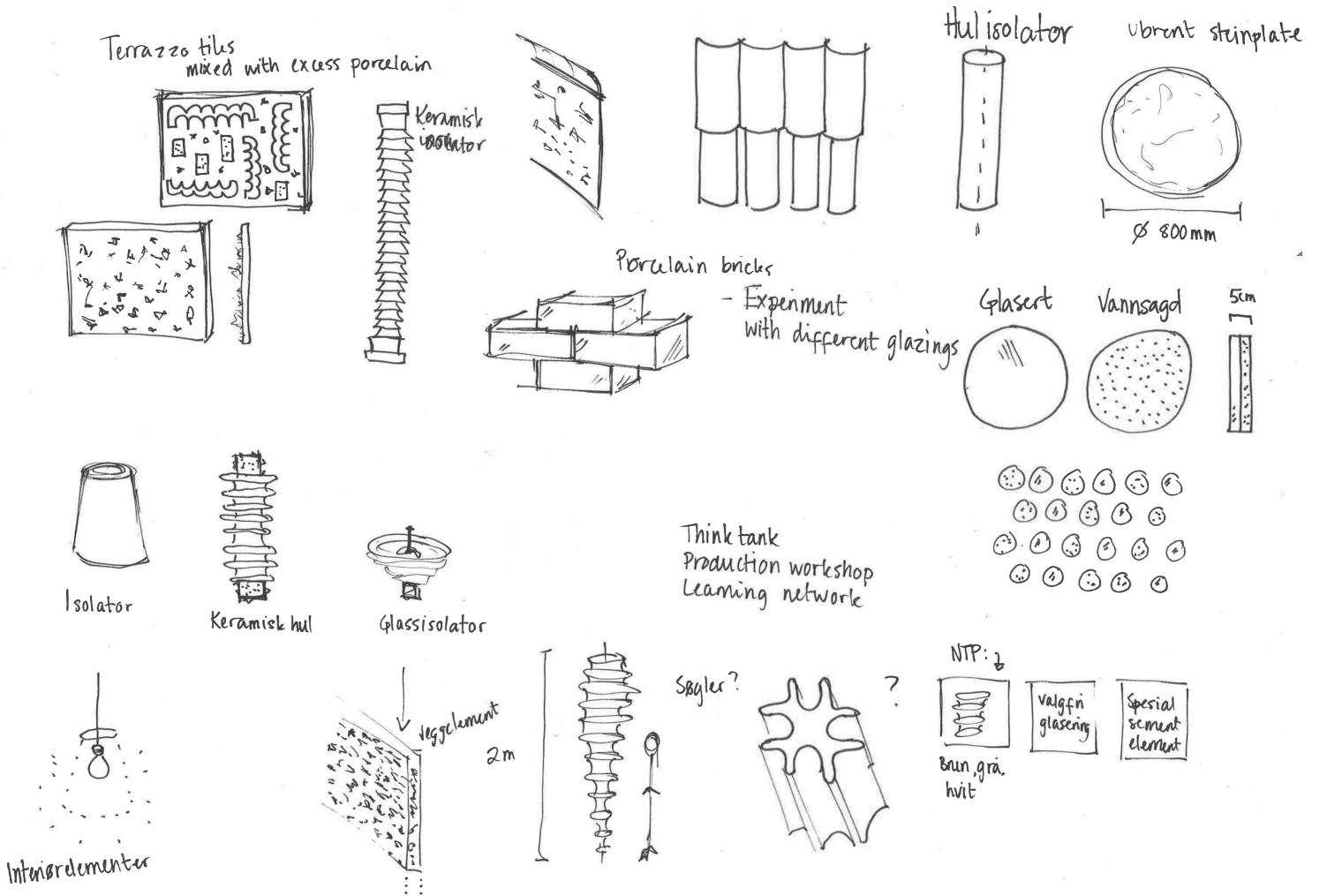


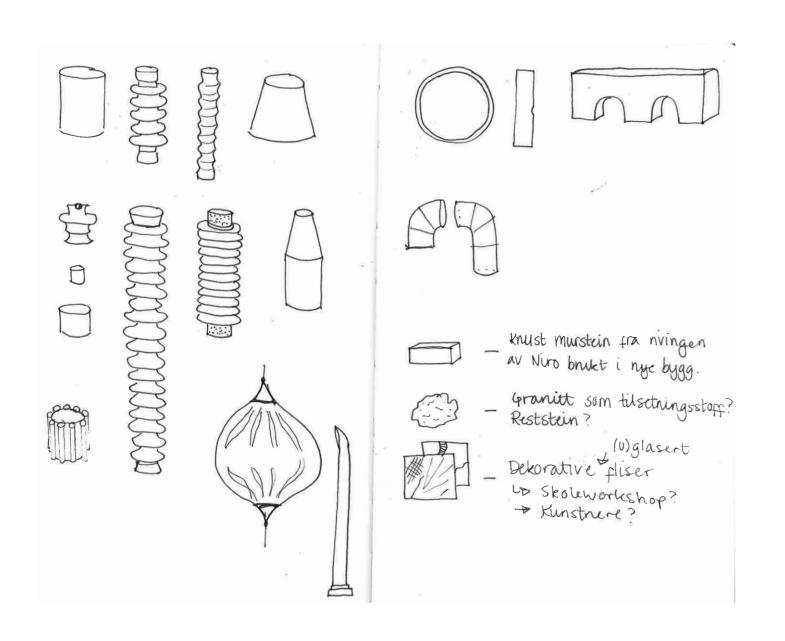
New facades

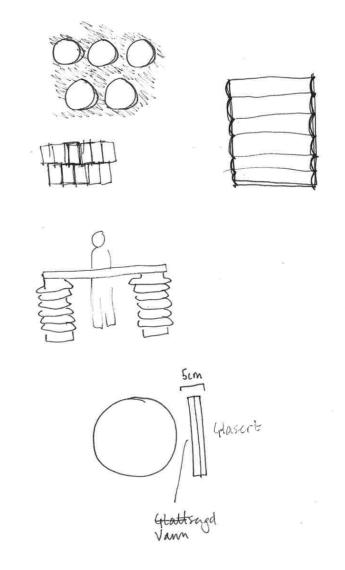
Crushed porcelain transformed to tiles.

Elements from existing production

Elements based on crushed excess porcelain







Live in - live with - live on

- Global - mass-production

- Local - at site workshop

(ustomers

- Customize their own products and experience the production line

Porsclensmurstein bnut i fulctige områder, type Nønmehaller

Raw - Silotamet, hallene under bakke

Shed - stort og fleksibelt licavolumet tæls være på

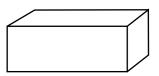
Comp. - Kontorlokalene universell hom. manglende trapp/huissjakt

Material intervention Start of the Artery - a cut through the site

Removed light walls The removal of the Niro building will create a cut through the site and leave some areas unclimatized. The facade of the factory, where the previous diving club house was located was discovered removed. This created an open factory floor. To replace the diving club house, I propose to add windows. This will gain a transparent production, in addition to more daylight into the factory.

Cutted facade

Material intervention Cut replaced by porcelain bricks



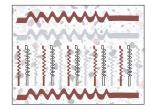
Glazed porcelain bricks

Raw kaolin and qvartz mixed with a glaze designed by the artists.



Raw clay block

Unglazed and sintred porcelain used element around openings.



Insulator terrazzo

Cutted and/or crushed insulators used in tactile tiles.



New use of leftover porcelain shaping forms from the factory



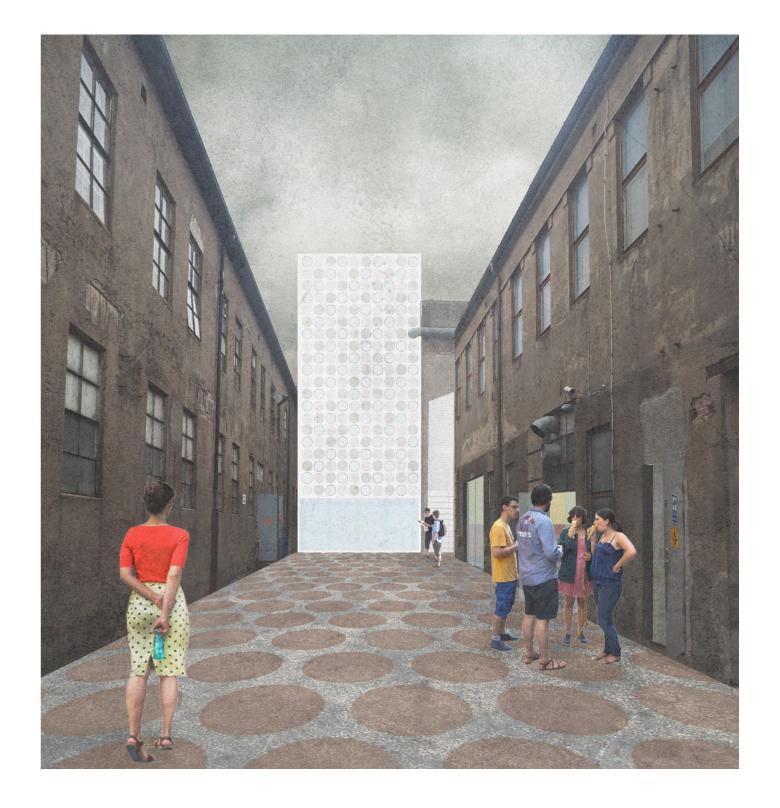
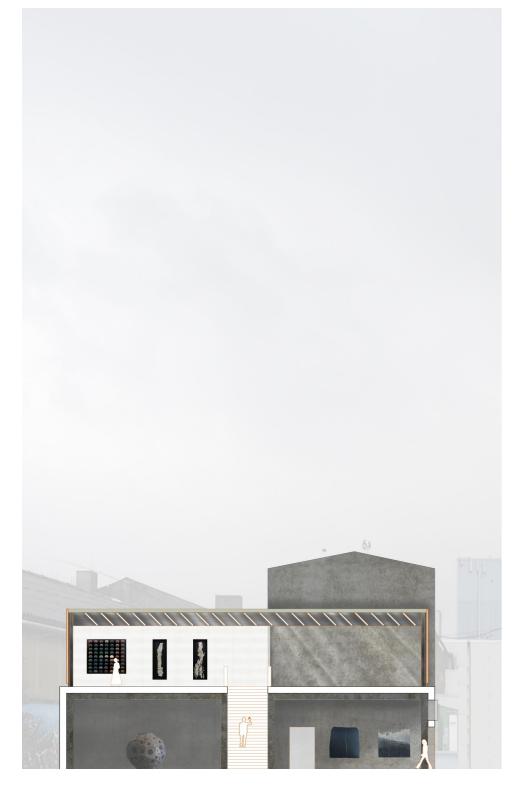
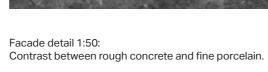


Illustration of the new communcation tower.

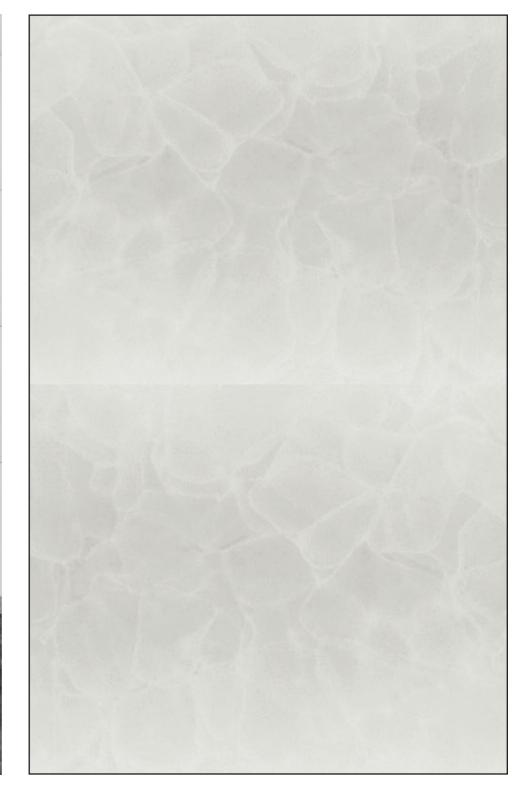
Shaping forms with a mixture of porcelain and stones. Thrown away after use.

New use of crushed porcelain into tiles









Tile detail 1:1: Extraction of kaolin createas a translucent look

Drawing 1:200: Short section of the Gallery.

Removal and new use of removed material creates a flexible shed

The shed is currently occupied by NTP as a storage shed, and it also hosts a flea market storage. The facade is poorly maintained, but the structure is intact.

The site of the shed gets overflooding everytime it is heavy rain, and that is a danger for the different products stored there.

Therefore, the administration have decided to remove the shed, and move its storage space to the Kitteriet building.

I propose to add the removed facade sheets (those sheets which are intact) and construction to a material bank. In that way it can potentially be used in future projects.



