P5.
Transformation of Campus South into a creative hub
By Emma van Asselt

Heritage and Architecture
Architecture: Lidy Meijers
Building Technology: Frank Koopmans
Delegate: Peter de Jong
Content

01. Position within architecture | Personal fascination

02. Introduction site | context

03. History | former use

04. Current situation

05. Future perspectives

06. Ensemble | Campus South

07. Masterplan

08. Program

09. Design

10. Transformation

11. Final design
How to give the user a more dimensional experience of architecture?

Phenomenological approach of architecture

Strengthen the experience and perception of architecture by addressing multiple senses of the human body

(light, sightlines, proportion, material, textures, acoustics)

Peter Zumthor
“Design a building that has the ability to move someone”

Steven Holl
“buildings that satisfy the spirit as well as the eyes”
Position within architecture

fascination

Modern architecture
Museum Insel Hombroich

Delta shelter
Island Madonna del Monte

Thesis about ruins in art
Artist: Han van Hagen
01.

Position within architecture

Reference projects:

Fascination + senses

Museum Arte de Moritzburg in Halle
Museum De Pont in Tilburg
Het schwarze haus in Königswinter Duitsland
02.

Introduction assignment

The Hembrug terrain
Green enclave in urban context
History and former use

Military weapon production during the 20\textsuperscript{th} century by the Artillerie Inrichtingen

First layout of the terrain in 1901
Strategic position within the defense line
‘Stelling van Amsterdam’
03.

**History and former use**

**Development**

- **1905**: The start
- **1924**: Expanded terrain
- **1996**: Demolished & clustered
- **2003**: Abandoned
Abandoned
04. Current situation of the terrain

The Hembrug terrain | first impression

Robust buildings decorated with brick ornaments

Consistency through the concrete floor slabs and the steel frame for the pipeline network

Mysterious and inaccessible due to decay and wild nature
Current situation of the terrain

Up coming cultural hub

“A clustering of cultural venues such as museums, galleries and performance spaces with secondary attractions including food and retail”
Housing will increase social security

Demand of housing in Amsterdam
06.

Ensemble Campus South
Ensemble Campus South

06.

position | introduction | history | current situation | future perspectives | ensemble | program | design etc

Ketelcentrale
Expeditie gebouw
Harderij
Fundering fietsenstalling
Lorriegarage
Carbidgebouw
Fundering toiletgebouw
Waslokaal
Six buildings and two foundations

Ensemble Campus South

- Expeditie gebouw
- Lorriegarage
- Wasiokaal
- Ketelcentrale
- Harderij
- Carbid gebouw
The composition wasn't always like this
Ensemble Campus South

1939
Reference | British Land | development town centre Londen

Reference | KNSM eiland | Spacious layout | sightlines

Reference | render of arkitema-architects | Søster Sophies Minde

Masterplan ensemble + surrounding
Programma

Current program | environment attracts creative industry
Starting points of the transformation

Campus South as creative hub for:

creating

exposing

amusement
Atelier housing

Public workshop
Exhibition space
Café
Center for visual arts
Courtyard
Garden with sculptures

Multi functional
Professional

Atelier
Maarten Heijkamp
Atelier
Studio Gunpowder

08.
Programma
Added program

Reference: atelierwoning zomerdijkstraat
Campus South | program | ketelcentrale

Public workshop
Campus South | program | waslokaal

**Center for visual arts**

- Fashion design
- Ceramics
- Sculpting
- Drawing

Diagram showing:
- Public workshop
- Atelier Maarten Heijkamp
- Atelier Studio Gunpowder
- Courtyard
- Garden with sculptures
- Multifunctional Professional
- Exhibition space + café + multifunctional space
- Center for visual arts
- Atelier housing
Center for visual arts

Exhibition space
Café
Atelier housing
Garden with sculptures
Public workshop

Campus South | waslokaal | typology | wooden structure | use
09. Design

Preserve wooden roof structure

Floorplan refers to former use
Program of the Harderij

Exhibition space

Café

Multifunctional space for performances, lectures, cinema, workshops etc.
center point of the ensemble and accessible from all sides

composition is evidence of expansion

waiting for new purpose

creating historical consciousness

Harderij | characteristics
Harderij | characteristics

center point of the ensemble and accessible from all sides

composition is evidence of expansion

waiting for new purpose

creating historical consciousness
09.

Design

Harderij | characteristics

- Center point of the ensemble and accessible from all sides
- Composition is evidence of expansion
- Waiting for new purpose
- Creating historical consciousness
Design

Harderij | characteristics

- center point of the ensemble and accessible from all sides
- composition is evidence of expansion
- waiting for new purpose
- creating historical consciousness
I want to create historical consciousness

By emphasizing and strengthening the old building's characteristics through the **phenomenological approach** by addressing multiple senses of the human body:

- Adding contrasting volume
- Use of natural floodlight
- Program based on composition
- Routing and sightlines

- Emphasizing historical textures and material
- Emphasizes the multi-part composition
1. Transparent pvc roof panels + steel roof structure
10. Transformation

Existing building → preserve

Remove: transparent pvc roof panels + steel roof structure + concrete floor

Preserve: facades and interieur walls
10. Transformation

Preserved $\rightarrow$ added

New: ground floor + foundation
10. Transformation

Current → preserve

New: columns
10. Transformation

Current → preserve

New: beams
10. Transformation

New: first floor (breedplaatvloer)
Transformation of the Harderij

New: columns
Transformation of the Harderij

New: Beams
09.

Design
09.
Design

defused light
floodlight
Design experience
Design experience
09. Design experience

Ground floor
Design experience

Ground floor
09.
Design

experience experience
09.
Design
experience
Design experience
experience
Design experience
09.

Design experience
09.

Design

experience
Design experience
Questions?
End