TEDx event center
Connecting the Binnengasthuis area and the city

P5 Graduation presentation
Liselotte Koppenol
Introduction

Existing building & context

Master plan

Design

Building technology
Agenda

**Introduction**
- Studio
- Location
- Research topic

**Existing building & context**

**Master plan**

**Design**

**Building technology**
Binnengasthuis area – location

Main routes Amsterdam
own ill.
Binnengasthuis area – history

Original monastery

Changed to hospital in 1579

UvA from 1980

Old and new nonnery
Geheugenvannederland.nl

St. Pietersgasthuis
Geheugenvannederland.nl

Building map UvA
own photo

Introduction Existing building & context Master plan Design Building technology
Binnengasthuis area – 2014

Introduction

Existing building & context

Master plan

Design

Building technology
Research: Fascination

The Mensa

own photo
What was the **vision** behind the intervention performed on the Mensa building, how has the **experience** of the building changed and how can this **new insight** help in a re-design?

**Research question and method**

**Vision**
- theory: general idea 1980’ies
- specific: vision behind the Mensa

**Experience**
- theory: experiencing
  - specific: experience of the site & Mensa

**Vision on intervention of the Mensa**

**New insight for design**

**Experience of the Mensa and the site**
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**Existing building & context**
- Context
- Building
- Research
- Value assessment

**Introduction**

**Masterplan**

**Design**

**Building technology**
Context: Accessibility

Entrances doubled, less open space and courtyards

Site around 1880
own ill.

Site around 2012 - Entrances
own ill.
Context: Private – public
Place: direct context

Very little public space > small and busy

Direct urban context

Own ill.
<table>
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<th>Year(s)</th>
<th>Details</th>
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| 1880-1890 | Designed by Hendrik Leguyt  
Hospital, Neo-Dutch Renaissance style, pavilion structure |
| 1980 | UvA becomes owner of the building  
Faculty and restaurant |
| 1986 | Pyramid extension designed by Paul Dirks  
Post Modern, classical shapes, contrast |
Building: The new clinic 1880
Building: Mensa 2014

Impression of new design
ADP architects
Research: Serial vision around 1900

Pictures of the site around 1900
Beeldbank.nl
General

Interventions in general; how did architects deal with historical buildings?
- Free interpretation of Charter of Venice, seen as guidelines
- no discussion about dealing with heritage yet

Specific

Vision behind the Mensa
- Post Modern
- Inspired by the Louvre pyramids
- Wanted to create contrast

Change of experience of the Mensa and its context
- Routing
- Typology
- Relation to environment
- Daylight
Value assessment: Positive values addition

- Atrium
- Route
- Sky lights
Value assessment: Indifferent values addition

- Pyramid extension
- Connection building
- Material

Introduction
Existing building & context
Master plan
Design
Building technology
Conclusions & proposal

Conclusions:

- Area is in a process of opening up to the city
- The building is very closed off to the environment
- Interesting and characteristic parts of existing building are hidden behind addition
- The atrium and route are valued positively

Proposal:

- Removing Pyramid and connection building
- Maintain and improve atrium and route
Agenda

Introduction

Existing building & context

Master plan
  Future plans UvA
  Possibilities
  Masterplan

Design

Building technology
Binnengasthuis area - future plans UvA

Inner city campus

Future plans of the city center campus
Presentation by Davy Demmers

New library on the site

Atrium of the new library
Presentation by Davy Demmers
Possibilities

Connect UvA to the city

Create vivid public space and connect buildings

Restore typology

Possibility diagrams own ill.
Master plan
Aim: Connect city to UvA

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Program of requirements

- Introduction
- Existing building & context
- Master plan
- Design
- Building technology
Starting points

- Remain and improve atrium
- Remain and improve connection wings
- Create new lecture hall where focus is important
- Emphasize interesting parts building: facades and spaces
- Bring back values pavilion structure: large, high spaces
- Create an inviting character towards Binnengasthuis area and the city
- Reuse material where possible
Concept – shape
Concept – organization

Introduction

Existing building & context

Master plan

Design

Building technology
Design: Atrium

PUBLIC

LIGHT

VIVID
Design: Atrium

Existing building & context

Master plan

Design

Building technology
Design: Atrium
Design: Atrium

Introduction

Existing building & context

Master plan

Design

Building technology
Design: Lecture hall

FOCUS     DARK     QUIET
Design: Lecture hall
Design: Work spaces

COMFORT   FRIENDLY   SEMI-PRIVATE
Design: Work spaces
Design: Work spaces
Design: Work spaces
Agenda

Introduction

Existing building & context

Master plan

Design

Building technology
  Construction
  Climate
  Acoustics
  Reuse
Construction

Introduction

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Design

Building technology
Climate

Atrium: climate can change with season, jacket can be hold on

Lecture hall: controlled comfortable inside climate

Work spaces: controlled comfortable inside climate
Climate

PV cells
Acoustics

Law of reflection: $\alpha_i = \alpha_r$

Desired effect lecture hall: $\alpha_i < \alpha_r$

Saw waves

Master plan

Design

Building technology
Acoustics

Existing building & context

Master plan

Design

Building technology
Reuse

Columns around round volume

Glass panels sky lights