Presentation Content

- Introduction
- Problem Statements
- Values of the Houthavens
- Masterplan
- Public Space Design
- Market Hall Design
- After P4
Introduction
Location Amsterdam West and Houthavens

200,000 m²

Employee of RIGA

Employee of RIGA
Problem Statements
Problem Statement 1

City Centre of Amsterdam is Expanding
Problem Statement 1

Because of train tracks, there is no good slow traffic connection. Create a better connection for pedestrians and bikers.
Problem Statement 2

Before 1876

1876-1960

After 1960
Problem Statement 2

How to make a redesign for a former harbour area?
Values
Values of the Houthavens

1876 - 1960

Current Situation
Values of the Houthavens

+ Good connection with the water

+ Big access street

+/- Not much left of industry

+ Old industrial timber warehouse left

+ Interesting Construction with big overhang and free floorplan
Masterplan
With the change of function the use of the water changes as well.

Masterplan

Industrial

Functional/Physical Use

Residential

Recreational/Visual Use
Masterplan

Who are the users?

Buildings next to the water

Route next to the water

- Water only used by residents
- Water used by the public

Public
Private
Access
Masterplan

Who are the users?

Water only used by residents

Buildings next to the water

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Public
Private
Access
Masterplan

Who are the users?

Water only used by residents

Buildings next to the water

Water used by the public

Route next to the water

Applying on the former Houthaven structure
Masterplan

Esplanade

Current Situation
Masterplan

Adding Public Route

Sparndammerstraat
Masterplan

Extending the Spaarndammerstraat
Masterplan

Esplanade

1. Houthavens
2. Old Harbour
3. Westerdok
4. Amsterdam CS
5. Veemkade
With the Esplanade t’IJ can be connected to Amsterdam.
Masterplan
Esplanade: References

New York

Rotterdam, Leuvehofd

Toronto

Amsterdam, noord kant van het IJ
Masterplan

Esplanade: Anchors

Adding Anchors to connect the waterfront with the city centre. Anchors = Public Buildings or Spaces.
Masterplan

Harbour Circulation

A’dam CS - Houthavens

Walking  25  min
Bike     10  min
Car      5   min
Masterplan

Basic Principle

How to fill in the rest of the area?
Masterplan

Use the old structure of the Houthavens as a grid
Masterplan
Masterplan

Building Blocks with the old access road
Bringing back old harbour insertions so the connection with the water is tangible throughout the area.
Masterplan

Adding a canal to have water circulation
Connect the roads of the Spaarndammerbuurt with the new structure.
The old building will engage with the Esplanade and public space.
Masterplan
How to design a Waterfront?
Design

Project for Public Space investigated over 200 waterfronts

Some conditions to make a waterfront work

1. Public Goals

The public market at Vancouver’s Granville Island.

2. Limit Residential Development next to the water

Rotterdam, Boompjeskade

3. Input of the Community

4. Connect Destinations
Design

Project for Public Space investigated over 200 waterfronts

Some conditions to make a waterfront work

1. Public Goals

Old timber warehouse to be transformed in a **public food market**.
Wood -> Food

3. Input of the Community

Goud voor Hout Paper
Community involved
Initiators made several scenario’s

Some idea’s:
- Drijf-in Cinema
- AH to Boat
- Harbour Concerts
- Floating Market
- Boat and Breakfast

2. Limit Residential Development

4. Connect Destinations
Design

Public Square Options

Public Space on top of the Water

Public Space towards the street

Bringing water back
Design

Beestenmarkt
Delft

Grote Markt
Brussel

Grote Markt
Delft

Plein
Den Haag
Design

Pedestrian, Bikers, Tram & Boat
Design

Square Overview
Design

How to design a Public Square?
Design

References
Design

- Inner Square is defined by buildings
- Lamposts and different color stones define the inner square

- Inner and Outer Square
- Lamposts different stones and height difference define the inner square
Design

- Height differences create different places and distribute the square

- Arched gallery creates a secondary, covered route
Design

Naming of Places
Tools to distinguish Places

- Height differences
- Inner and Outer Square
- Covered Secundairy route
- Lampposts to define
- Different stones, patterns and colors

Especially height differences are interesting for the waterfronts
Design

Utrecht, Oude Gracht

Rotterdam, Boompjeskade

Maastricht, Bassin

Hamburg
Design

- 40 cm
- 60 cm
- 270 cm
- 0.4 m
- 0.6 m
- 1 m
- 1.6 m
- 2 m
Design

The old timber warehouse will stay on the same level

Brugge, Sint Salvatorskerk
Design

Rotterdam, Boompjeskade
Lyon, waterfront
Maastricht, Bassin
Design
Design

Materials
Design

Getrommelde Betonstenen met een warme kleur
Lichtgrijze Betonnen linten
**Design**

<table>
<thead>
<tr>
<th>Categorie I</th>
<th>Categorie II</th>
<th>Categorie III</th>
<th>Categorie IV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zware voertuigen &lt; 400 per dag</td>
<td>Zware voertuigen &lt; 100 per dag</td>
<td>Zware voertuigen &lt; 20 per dag</td>
<td>Geen zware voertuigen</td>
</tr>
<tr>
<td>Lichte voertuigen &lt; 5 000 per dag</td>
<td>Lichte voertuigen &lt; 500 per dag</td>
<td>Lichte voertuigen &lt; 500 per dag</td>
<td>Occasioneel lichte voertuigen</td>
</tr>
</tbody>
</table>

| 2. Straatlaag | 9. Onderfundering | d Dikte fundering (cm) |
| 3. Walsbeton |  |  |  |
| 4. Schraal beton |  |  |  |
| 5. Drainerend schraal beton |  |  |  |

*Handleiding voor het ontwerp en de uitvoering van verhardingen in betonstraatstenen*
Design

- Betonstenen 80 mm
- Straatlaag 30 mm
- Fundering Steenslag 250 mm
- Geotextiel
- Onderfundering
- Boordsteen
- Fundering en stut in schraal beton
- Kademuur
Design

Market Hall
Design
Design

References
Design

La Boqueria, Barcelona
- Traditional
- Steel Market Hall
Design

Mercado Santa Caterina, Barcelona
- Renovated
- Old Facade, New Roof
Design

Markthal, Rotterdam
- New Design
A steel roof construction on 12 steel columns
Design

- Direction is created
- Now it’s an actual building and not just a roof on columns
- Still very open and keeping the values of the warehouse in mind
- New construction within the warehouse borders to enhance the overhangs
Design
Design
Design

Market Hall
Design
Design
Design

Window Frames
Design
Design

Turning Panels

Sliding Doors
Design

Turning Panels

Sliding Doors
Design

Turning Panels

Sliding Doors
Design
Design
Design

Market Stalls
Design

Conditions for the Market Stalls

- 3 m deep

- The aisle is 3 m wide

- The roofs show the name and products

- Every unit has cooling (electricity) and water, some have gas

- These installations are placed underneath the floor of the stalls

- The Market Stalls are founded

- The stalls have a railing to hang products
Design

- Market Crate 600 x 400 x 200 mm
- Material: wood

- Wall: Stijl en Regelwerk
- Water, gas and electricity
- Wood Laminated Beam 300 X 80 mm
Design
Design
After P4?
<table>
<thead>
<tr>
<th>Week 1, 15-17 may</th>
<th>Week 2, 21-24 may</th>
<th>Week 3, 27-31 may</th>
<th>Week 4, 3-7 june</th>
<th>Week 5, 10-14 june</th>
<th>Week 6, 17-21 june</th>
</tr>
</thead>
<tbody>
<tr>
<td>Make drawings for the model</td>
<td>Work out the detail of the new window frames to the old construction</td>
<td>Start building the model</td>
<td>Finetune the presentation for P5</td>
<td>Atmosphere drawings</td>
<td>Final touches</td>
</tr>
<tr>
<td>Make a plan for how to built the model</td>
<td>Make a 3d Section</td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

June 25 16:00 P5 Presentation
Questions
Design

Sun Studies

Summer 12:00

Summer 16:00

Spring, Autumn 12:00

Spring, Autumn 16:00

Winter 12:00

Winter 16:00
Design

Proportions