The South of Rotterdam The Inclusive city: The public space of the public

P5 Presentation

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Cross Domain City of the Future

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Defining The Inclusive City



The recovery will hapen in public space - Project for public spaces 2020



The power of placemaking through Corporate Social Responsibility - Project for public spaces 2020





The people in space



The people in space



The people in space



Reflection throwback



1. People prefer indirect sunlight, usually created by a reflective building close to the public space. 2. Corners are places of arrivals and departures and hence hellos and goodbyes. 3. Water, the look the sound and the sittability

around it are elements needed for a good public

around it dre elements needed for a good pack.
space
4. Triangulation (people gather around an important object or person).
5. People like looking at other people.
6. Sittability, specifically or either moving objects or the people approximation of the people.

stairs, benches create awkwardness.

7. People seek objects in the middle (trees, flagpoles etc.) to have a conversation under.

8. Trees should be in the middle of spaces, other wise the spaces are hidden and might be misused. 9. Food, people like to eat and will prefer public

spaces with food over that don't. 10. People prefere to stick to corners close to the

streets unless they gather around other objects (see numbers 4, 7.)

Placemaking

11



5. Exclusivity of people in the space could limit other people visiting.

6. Street signs exclusing people from the public

space. 7. Openness of only one side tends to associate space with a building hence making visitors hesitant to visit.





Surveilance

Signs excluding people



Gates or fences



Partial exclusivity

Placemaking/ Exclusivity

(7)

(3)

Image 1: (Olson, 2019) Image 2: (Tenants Access Only Tenants Cars Only Stock Photo (Edit Now) 356413559, n.d. Image 3: Author's own

Image 4: Google.com/maps

Whyte (1979) Mehta (2013)



Issues faced by low-income people



Percentage of households with a PW-AO or unemployment benefit

Percentage of intermediate or highly educated, 15-74 years



Demographics - South of Rotterdam



The Rotterdam Act Neighbourhoods



Demographics - South of Rotterdam

How can public spaces be addressed to help implement inclusivity for the people in the SouWth of Rotterdam?

3.

Choosing A Site



Choosing Carnisse



Amenity mapping and NPRZ plans



Main public spaces of Carnisse



The Amelandseplein



The linear park

Main public spaces of Carnisse



The Amelandseplein



Small fence preventing bikes and the disable to enter



Isolated sitting spaces



Trees at the edge disassociating the park with the street



Isolated Gemeente water building space inside the park

Exlusivity in the Amelandseplein







Design principles



5.

The New Development



The programme of the two buildings



The programme of the two buildings



Proximity to DOCK Charlois



The Architecture of the Buurthuis



Theatre space/ Panopticon



Exterior of the buurthuis

The Architecture of the Buurthuis



Interior choices of the Buurthuis



Interior choices of the Buurthuis


The housing ground floor porosity



Marketability of the apartments



Types of apartments



The Architecture of the Housing Block



The Architecture of the Housing Block

6.

The Shape of the New Development



Creation of the public space



Extrusion of the housing for marketability



Porosity for invitation



Entrances facing the neighbourhood



The Public Space

The Social Life of Small Urban Spaces







Property Plane Selecter

The social life of small urban spaces, William Whyte



William "Holly" Whyte, self-proclaimed people observer

The element of choice in Sittability









St' Marcus Plaza, Venice, Sittability



The new public space with the new developments



Introduction to the art



Introduction to the art













Rotating pallette

Sittable/ Art statues



Choice in the routes



Sense of ownership



The Public Space of The Neighbourhood



The Public Space of The Neighbourhood



Development assesment



Developed ares of the South: Bospolder/Tussendijken, Katendrecht and Spangen





150 Appartments14 Shed houses (temporary?)36 Single family housesCommercial functionsParking spaces

Tollhuislaan, Brede Hilledijk, Rotterdam, Katendrecht



Neighbourhood based approach

9.

Building Technology





Technology strategy



Proposed elevations





Existing elevations around the Amelandseplein

Envelope



Envelope



Visually appealing



Energy strategy







x 30 days per month x 12 months per year / 1000 (to equate to Kwp) x Efficiency



Products used



Sunpower® PV panels E-Series E20-435-COM

Pv yield: 13.45KWp/hour

(all panels)



Polysolar® Transparent PS-CT panel

Pv yield: 30.02 KWp/hour (whole glass pyramid) Flextron® Peel and Stick

Pv yield: 6.9 KWp/hour

(all elements on louvres)

PV yield







Structure
Intangible elements

Collection of rainwater

Increased number of trees

PV panels

BIPV Elements

Mater	ials	used
		4000

Kna

Process

Bricks	Put together with limestone mortar to be able to be taken apart for reuse.	
Pavatherm Insulation	Simply reuse as it's bolted.	
Construction timber	Simply reuse as it's bolted.	
Steel structure	Simply reuse as it's bolted.	
Lignatur	Simply reuse as it's bolted.	
Knauf drywall		
etallic water holders	Simply reuse.	
uf hanged ceiling tiles	Simply reuse.	
Concrete cores	Break down for aggregate	
Metallic lintels	Recycle	
/ooden/ Glass doors	Take apart for materials or reuse	
Aluminium windows	Take apart for raw materials or reuse	

Circularity Assesment



Construction diagram



Reflection



Reflections on the project

-This development is about inclusivity in public spaces and public buildings. However, this specific project is context related and linked to the South of Rotterdam. This includes the materials used, the connection of the development to the people and the choice of the programme like part of the project, being a buurthuis. However some principles like familiarity and sense of ownership, are universal.

-This project relates to the studio by having lots of disciplines involved like management to understand how the building would be built, and even non architectural ones like sociology, used to understand low-income people and their problems. As a city of the future the project becomes relatable simply because it is a project that attempts to secure the future of Carnisse.





Reflection throwback

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Bibliography

Thank You!



During the daytime



During the nighttime

Buurthuis with open and closed doors



*1:5 on A3

1:5 Detail showing materials



Exceptions in the scale of the neighbourhood