A revitalized Kop van Zuid Bridging the gaps between the developing Kop van Zuid and its

Bridging the gaps between the developing Kop van Zuid and its transforming surrounding neighborhoods through public space

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Keywords:

economic transformation

service economy

creative class as focus group

'super-diversity'

new demands

integral approach

public space as activator

Critical assess the current trends on area development





Make a proposal that improves the area development model and takes a multicultural approach as a way to integrate the neighbourhoods through public space





Content

The kop van Zuid project

The effects of the Kop van Zuid development

Trends: the new projects as a continuation of the Kop van Zuid model

The Kop van Zuid in the Rotterdam context

The future: new opportunities

Proposal

Evaluation

Rotterdam city in the Netherlands

MAENSK

MARP

5

-Second biggest city in the Netherlands -A working city -Characterized by its port activities

Kop van Zuid development in context of Rotterdam

-Developed on a formal port area -As a strategy for diversifying its economy -And attracting the creative class



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aller and

The meaning of the Kop van Zuid project today

-An extension of the city centre on the south bank of the Maas
-An attraction for a whole new range of inhabitants
-A strong improved connectivity with the city centre through the Erasmus Bridge, a new metro line and two new tram lines

Effects of the Kop van Zuid model of development on the surrounding area

1) Physical-spatial fragmentation due to connectivity and missing functional links

there are a lot it physical barriers present in between the Kop van Zuid and its surrounding neighborhoods
as a result the local connectivity is poor



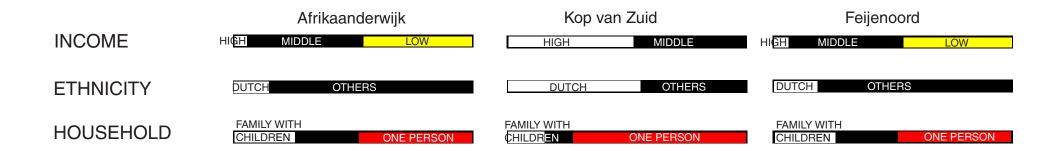
physical barriers in between the neighbourhoods



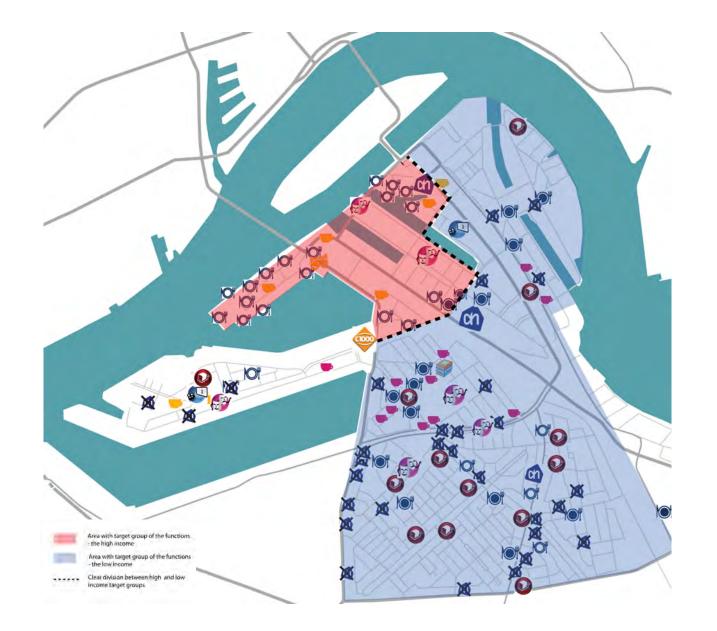
2) Social-spatial fragmentation due to: division of the social groups

- a diversity of groups with very different demands from the public space





Division of the functions and the target groups



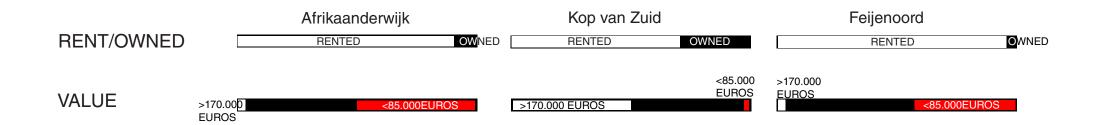




Division of the housing market

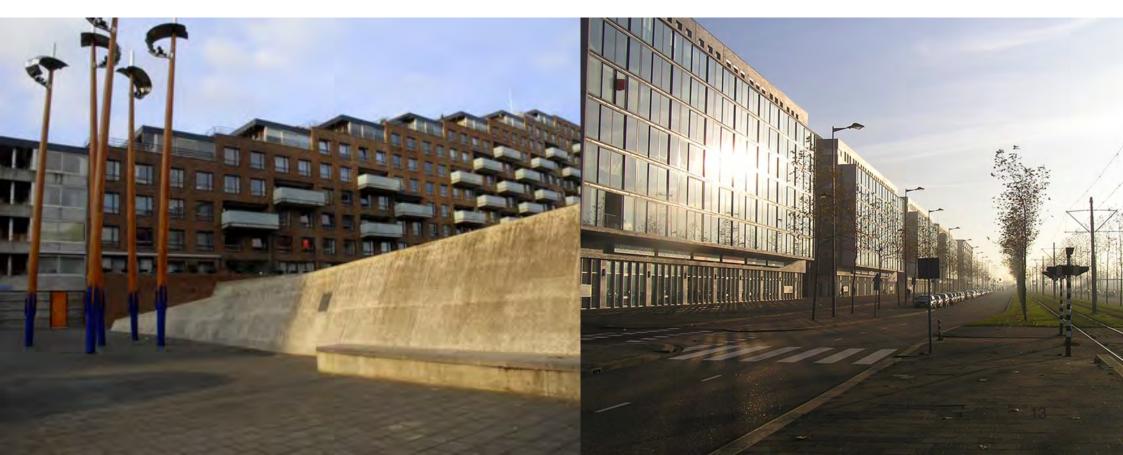
- misbalance in between the different neighbourhoods regarding the housing segments



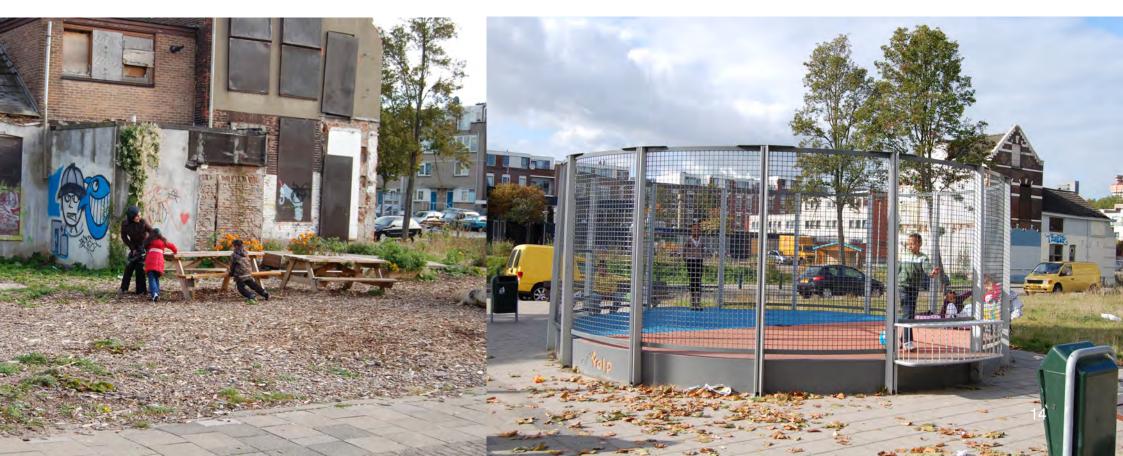


3) As a result of the fragmentation

The public spaces are in Kop van Zuid highly designed but not used

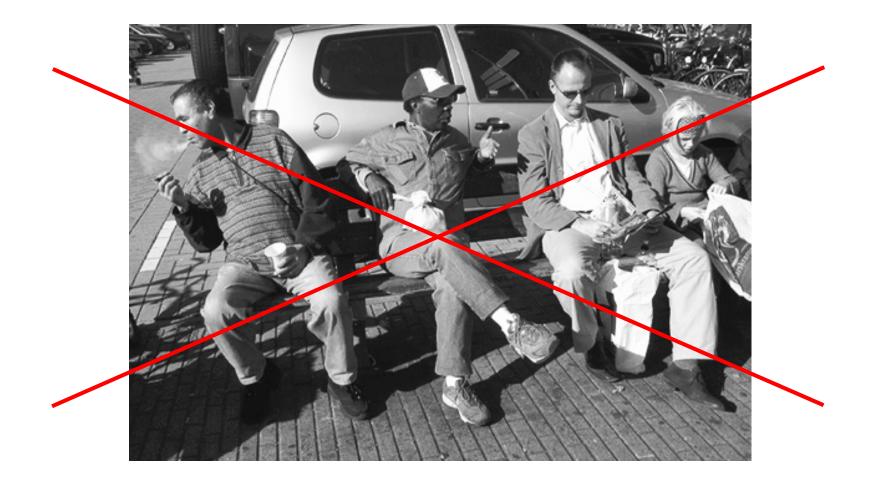


In Afrikaanderwijk and Feijenooerd dysfunctional, dirty and unsafe, but even so important for the local communities



There are no spaces where the interaction between the different groups could take place

-No places that would answer the demands of the various groups



Trends: the new projects are continuing the same model of development

A housing market segment targeting the high-income group

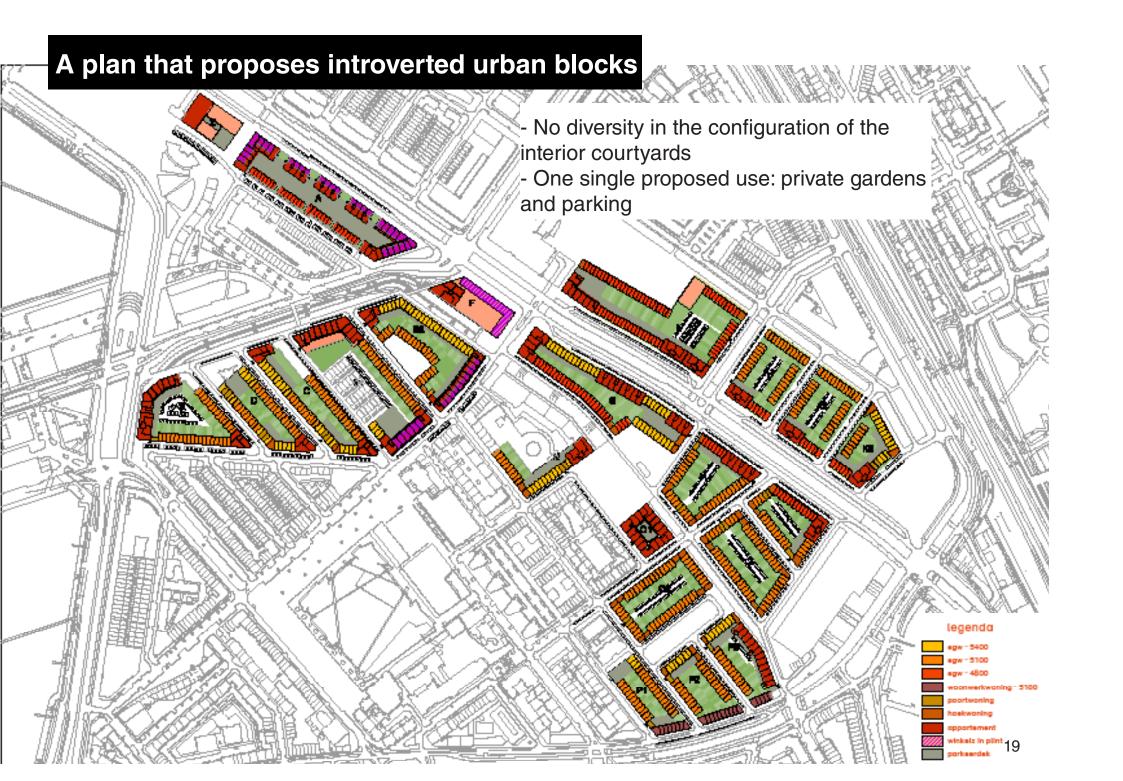
- 70% of the proposed houses very expensive houses



Extensive demolition in the case of the Parkstad project

A big part of the current inhabitants are going to be dislocated
And forced to move, due to the housing replacement

> Area planed to 18 be demolished



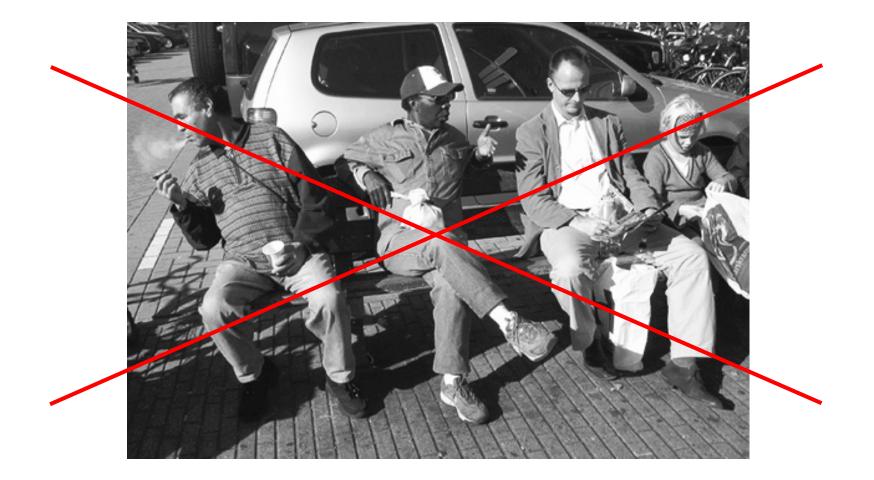
Functions targeting the same high-income group

The main concentration of functions as a continuation of the Entrepot area
No connections with the shopping street in Feijenoord

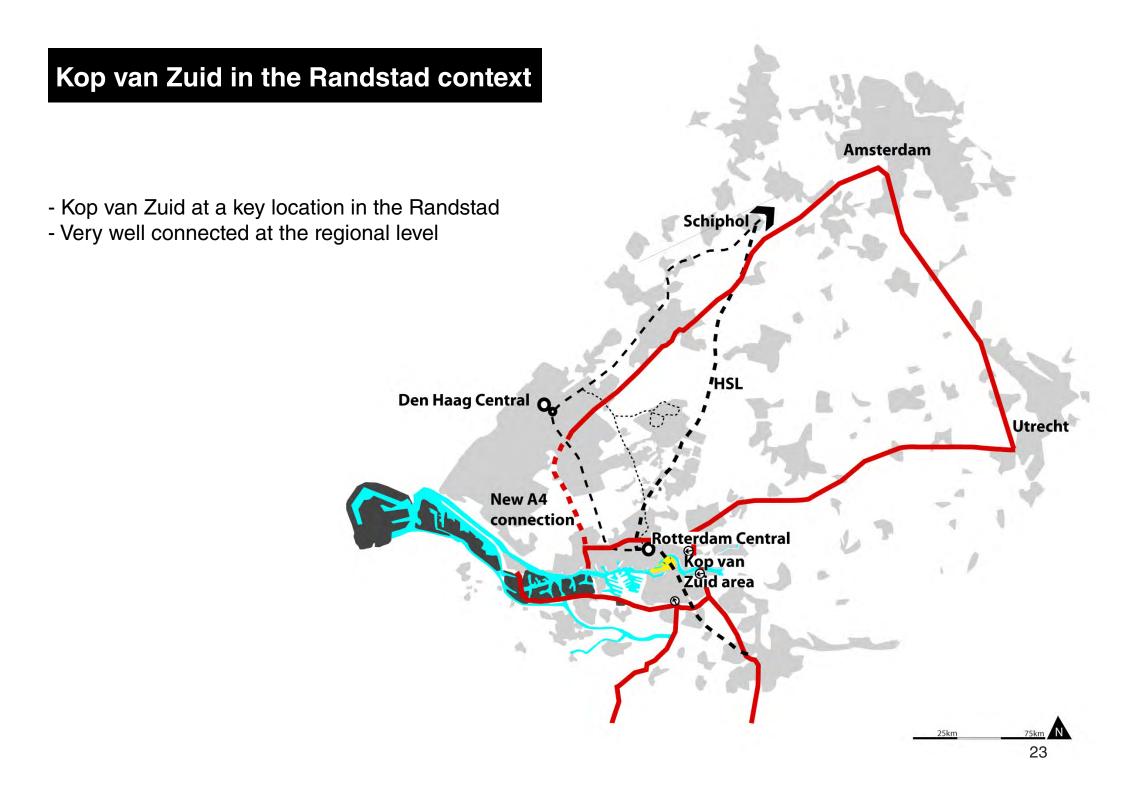
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As result: there are no spaces created for the social encountering of the different groups

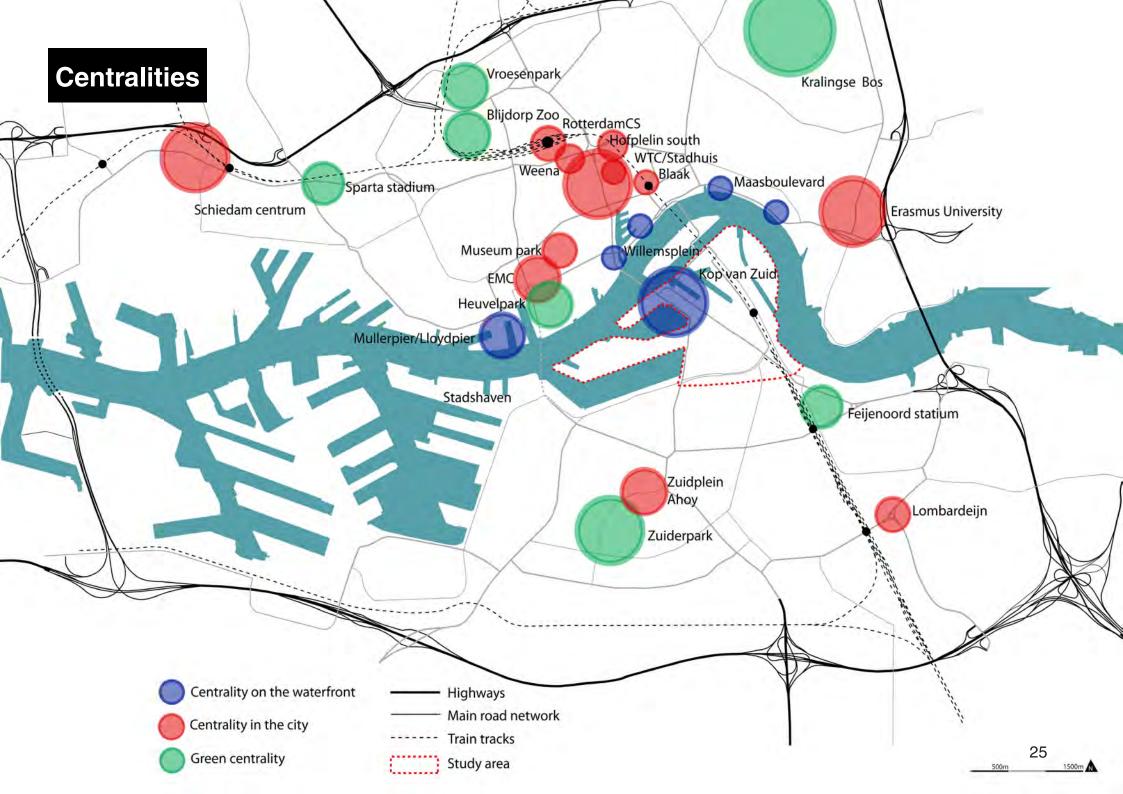
-No places that would answer the demands of the various groups



Kop van Zuid in the context of the city of Rotterdam

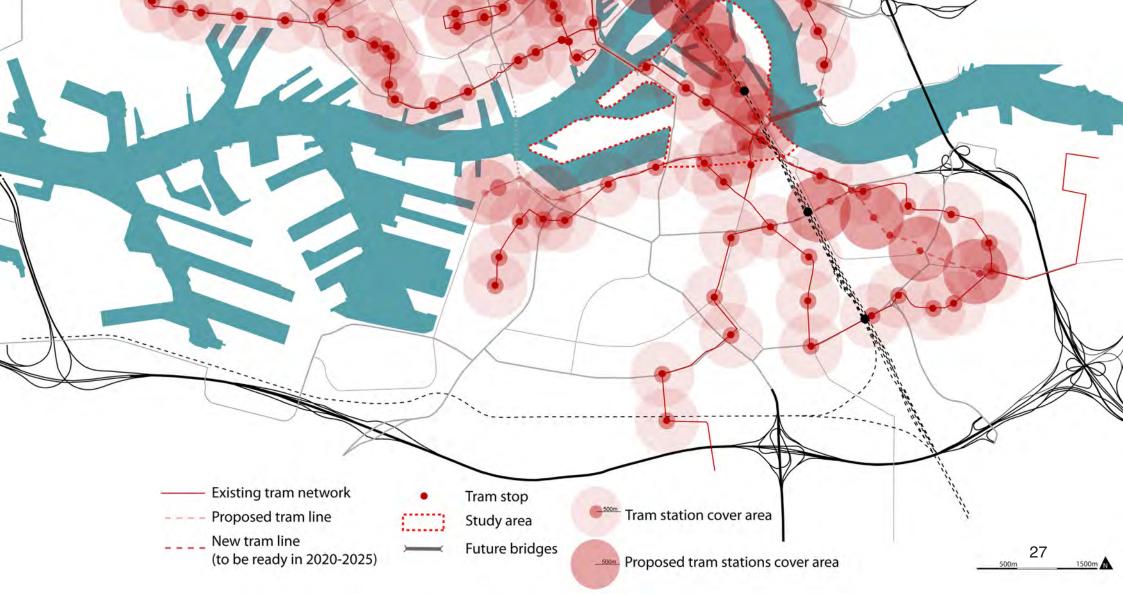






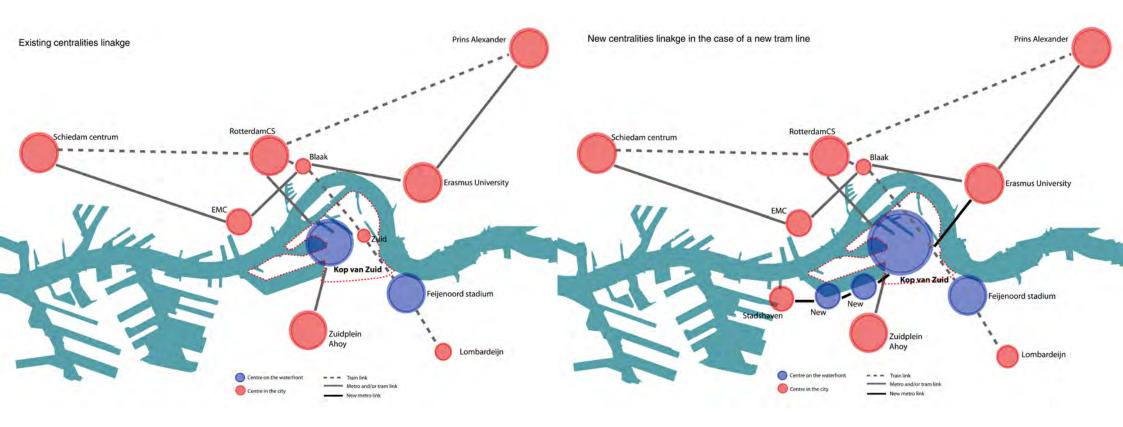
The future: large scale opportunities brought by the new infrastructural development plans

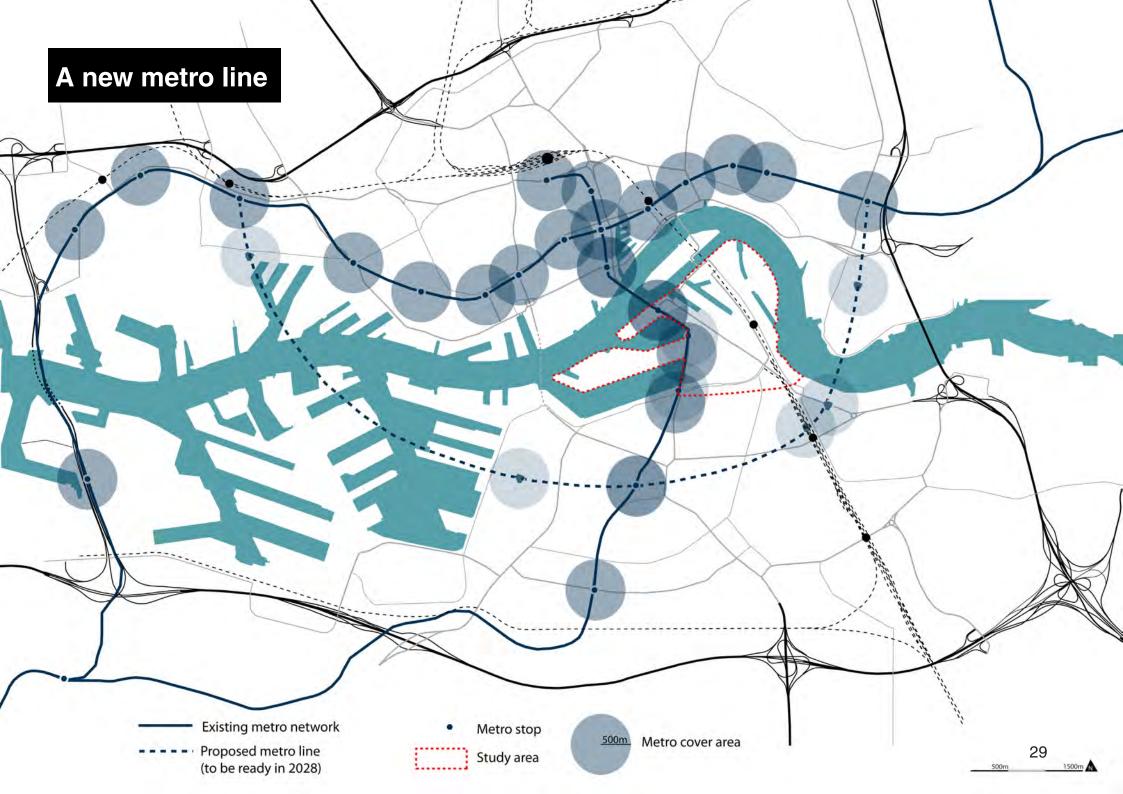
New tram lines and new bridges



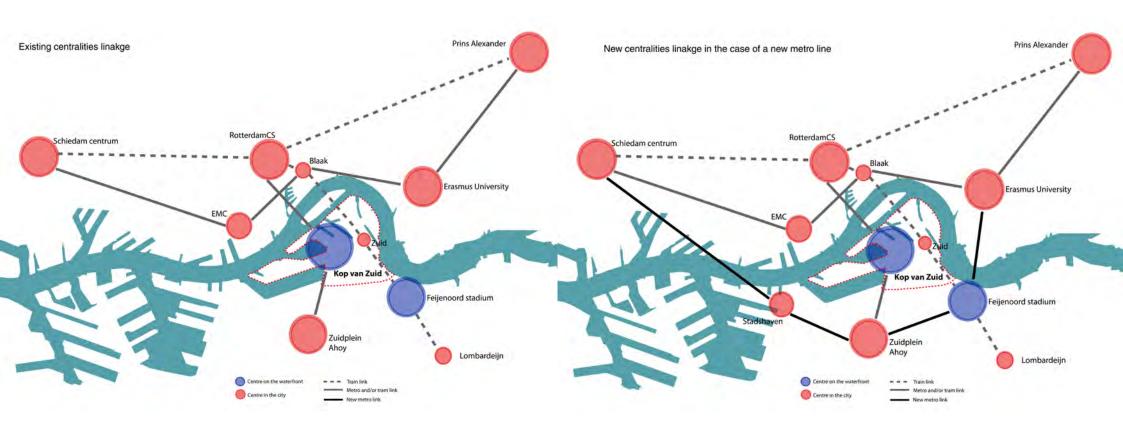
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New tram lines and new bridges effects on the centralities linkage





A new metro line effect on the centralities linkage



The area will support spatial and social transformation

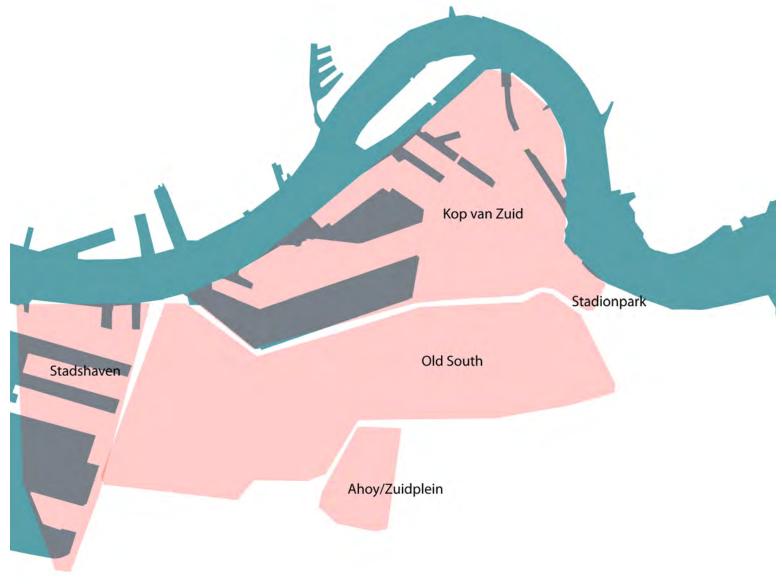
But, how to transform the area in way that creates integration instead of further fragmentation?

Municipality high points on the agenda for south Rotterdam

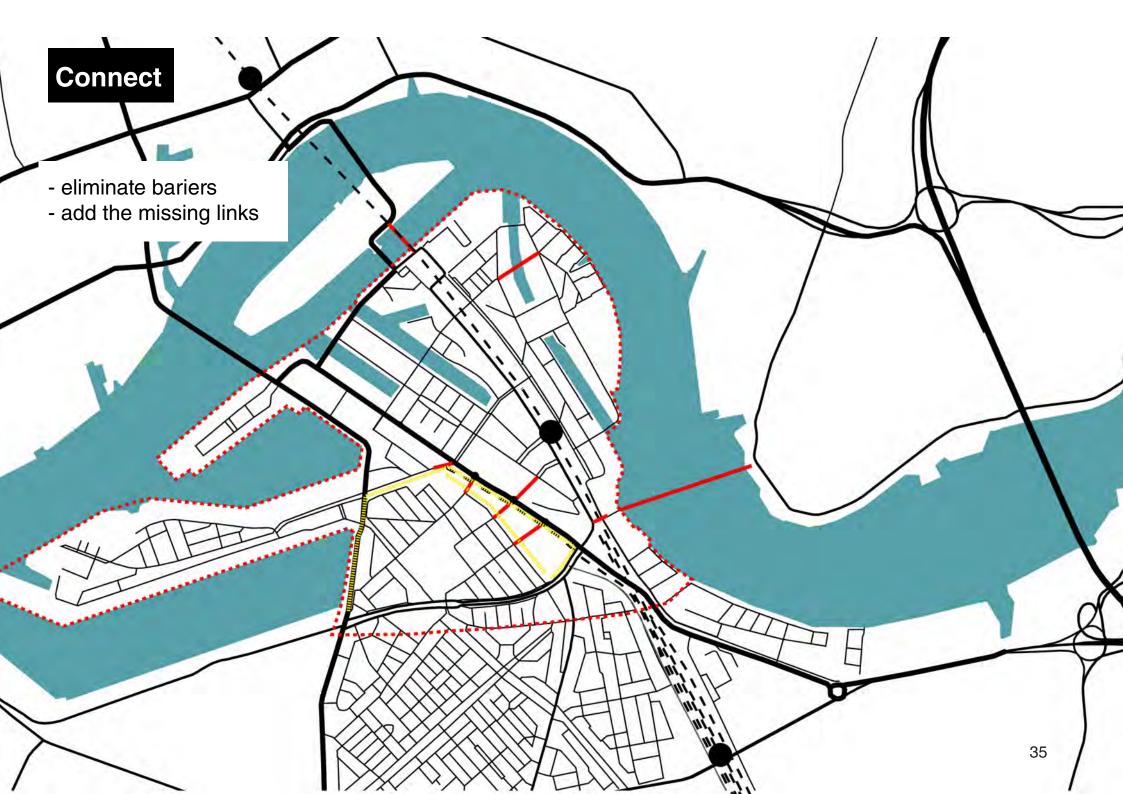
- better housing conditions

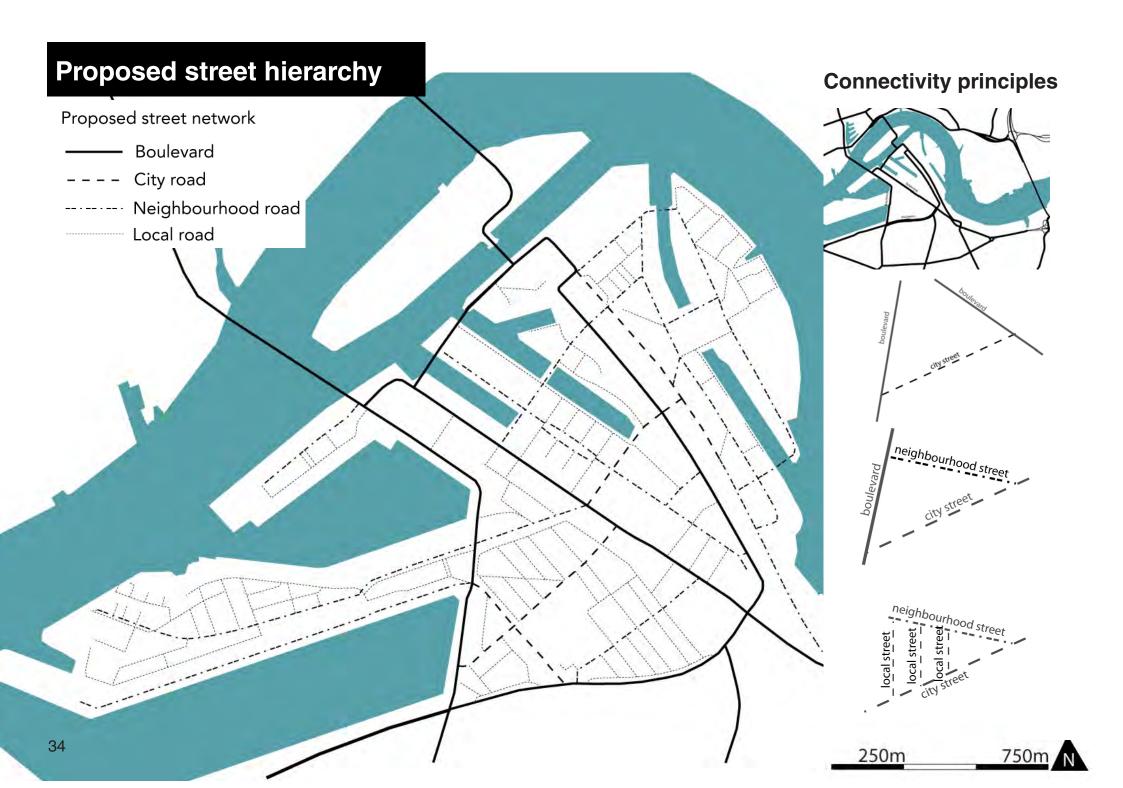
- safe, functional and attractive public spaces

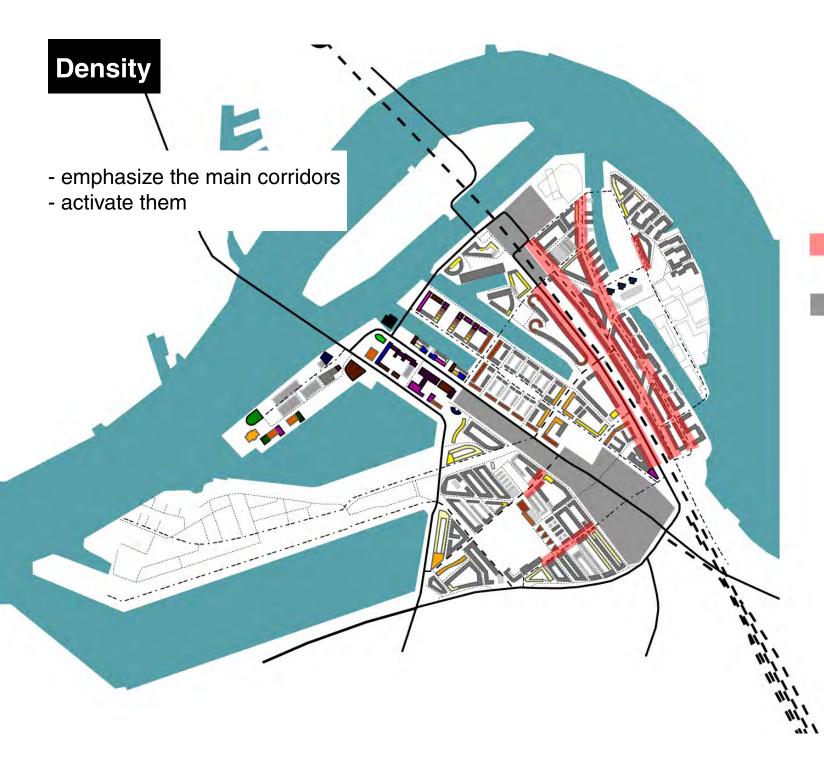
- strengthening the local economy, by proving support for the start-up entrepreneurs



Opportunities for the Kop van Zuid area at the local scale





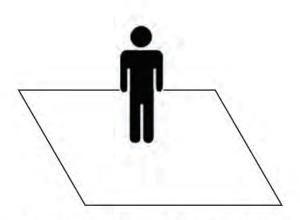


Opportunity for increasing the density in the existing built enviroment

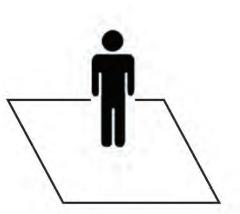
Opportunity forbuilding on the vacant land



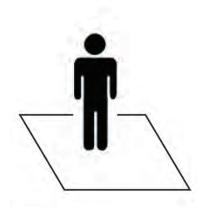
Functions



Hillesluis: 5,23 sqm/household



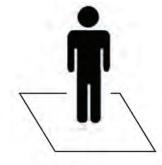
Oude noorden: 4,4 sqm/household



Rotterdam average: 3,22 sqm/household





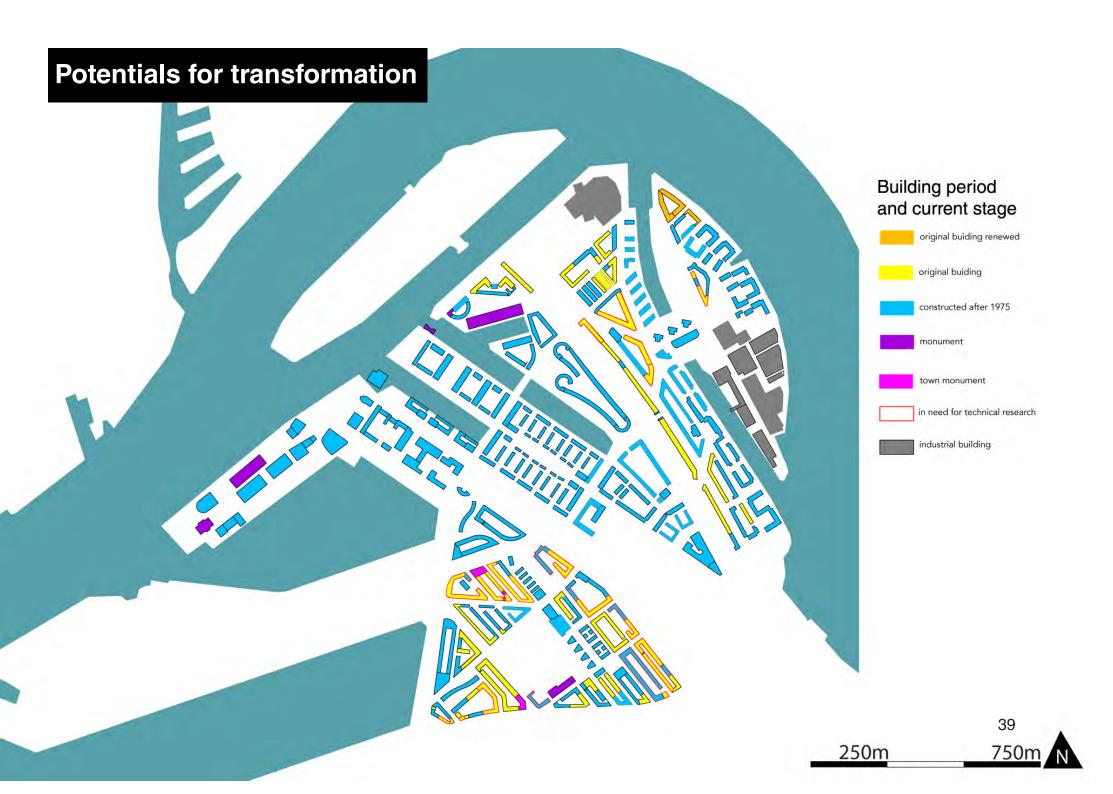


Afrikaanderwijk: 1,4 sqm/household

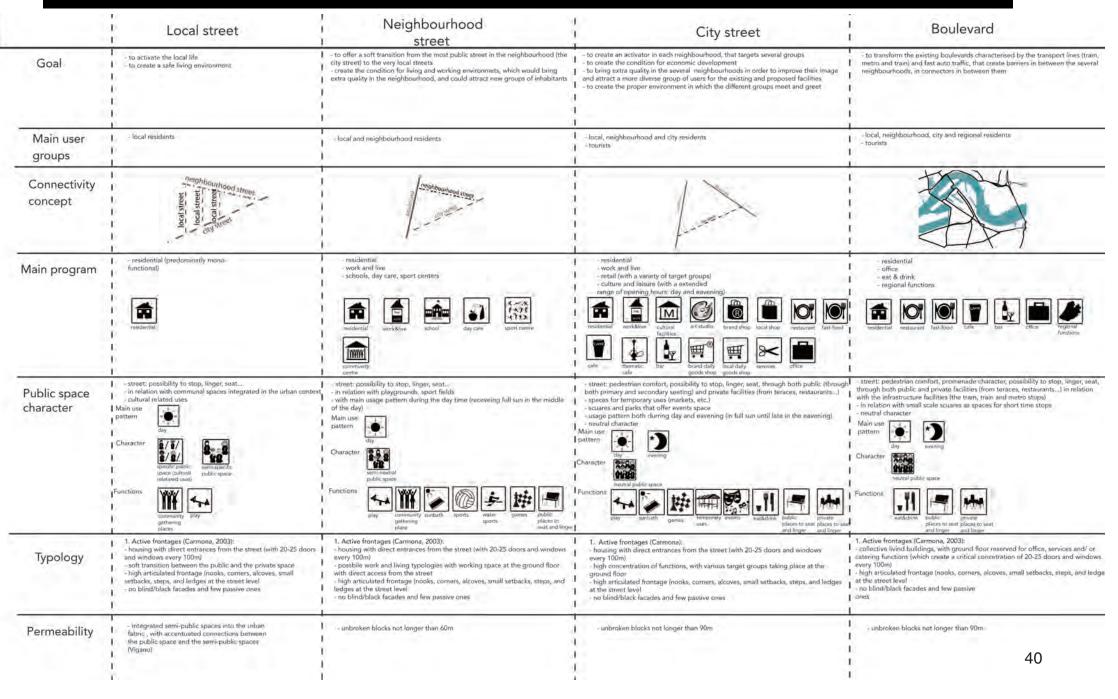
Feijenoord: 0,59 sqm/household

Kop van Zuid: 2,7 sqm/household





Relations between the street hierarchy, program and public space character



Public space



Public space role in the network. Evaluation example

-evaluation of the morphology



Public space role in the network. Evaluation example

Relation with the built environment/ Existing program of the built environment

















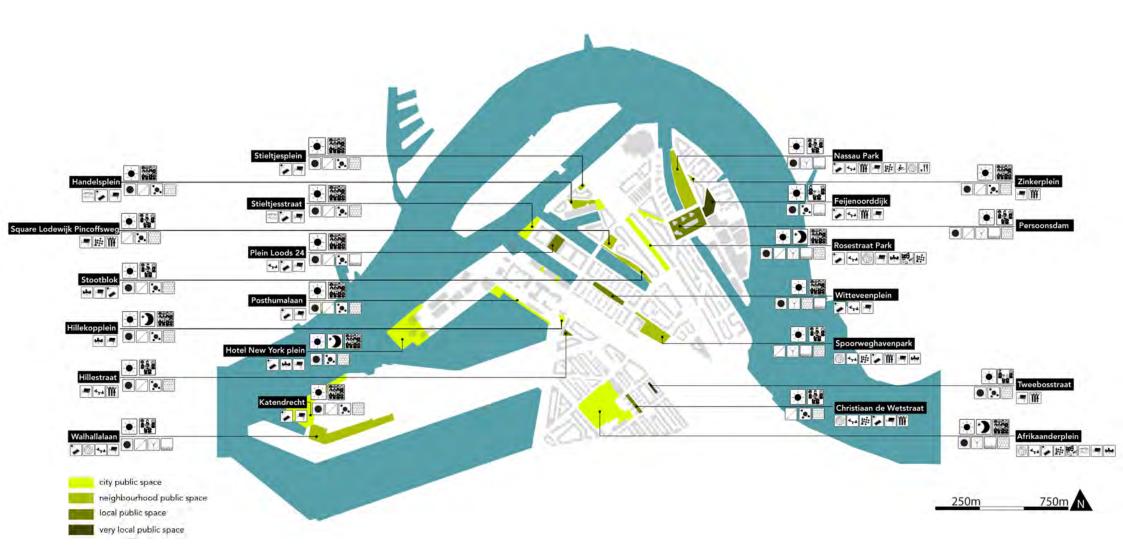
official building side with entrances

library entrance

D

- sport centre entrance
- school entrance
- mosque entrance

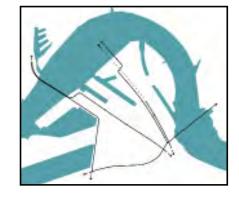
Public space potentials



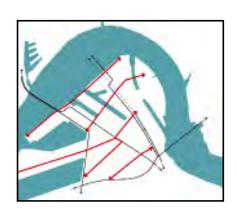
Vision

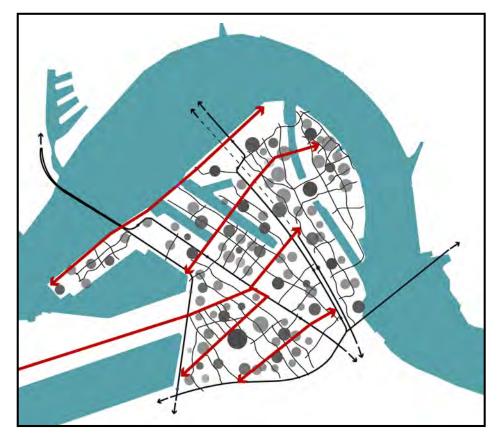
An integrated area

1. Take advantage of the improved infrastructure!



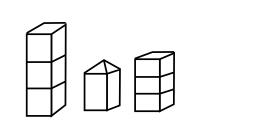
2. Brake the barriers and connect the neighborhoods!



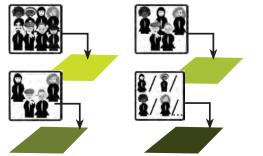


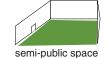
3. Connect, activate the locality and enable the integral use of the area, through a clear street and public space network

Create an area with a variety of housing typologies, public spaces and functions that attracts and answers the demands of a diversity of groups



high variety of housing typologies







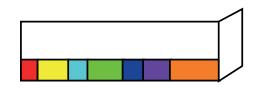
semi-private space accessible to the block residents, visual accessible



public privare space visual accessible

high variety of semi-public spaces

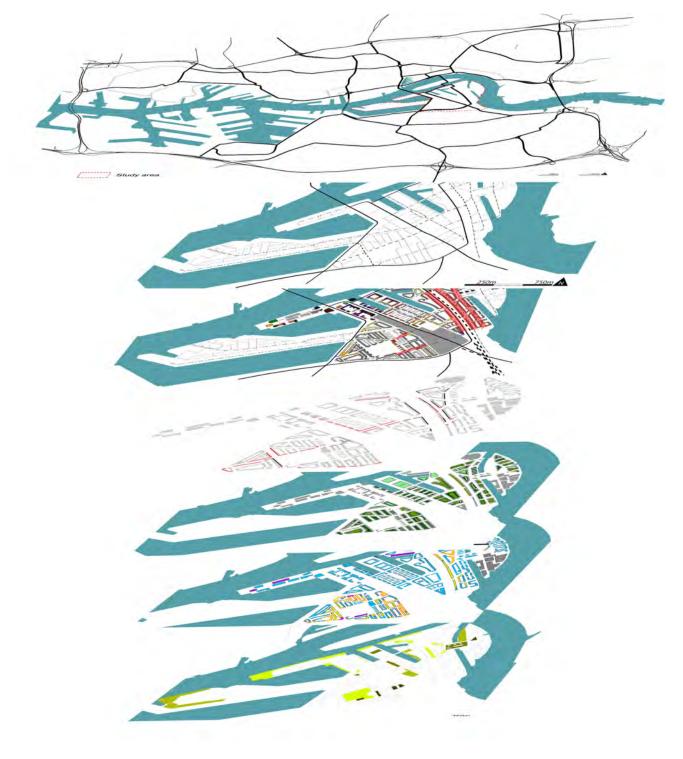
high variety of public spaces that answer various needs



high variety of functions



Strategy



Large scale connectivity

Potentials for the local connectivity

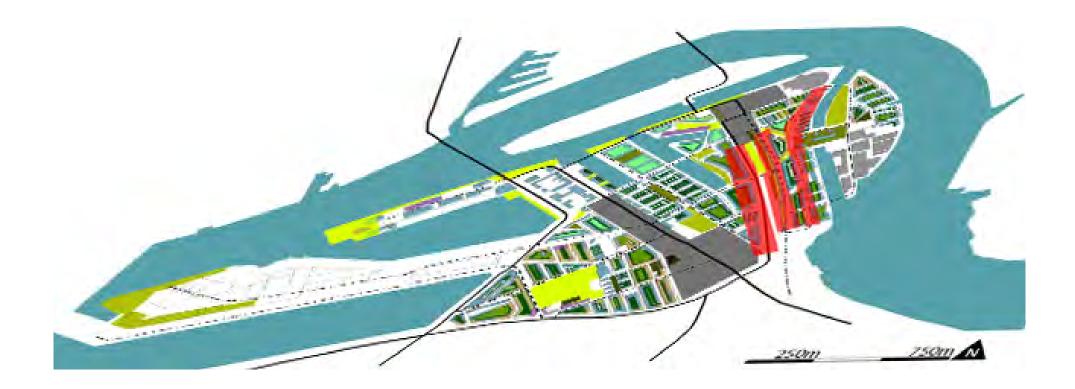
Potential for increasing the density

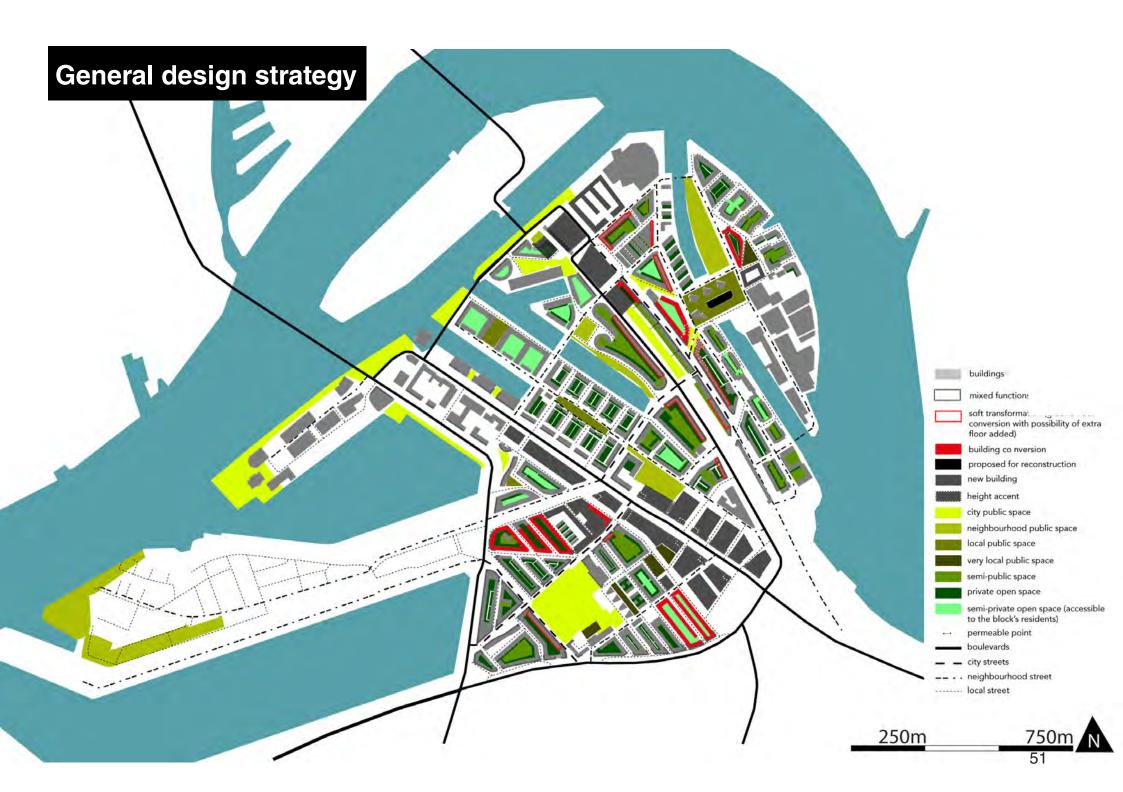
Potentials for adding functions

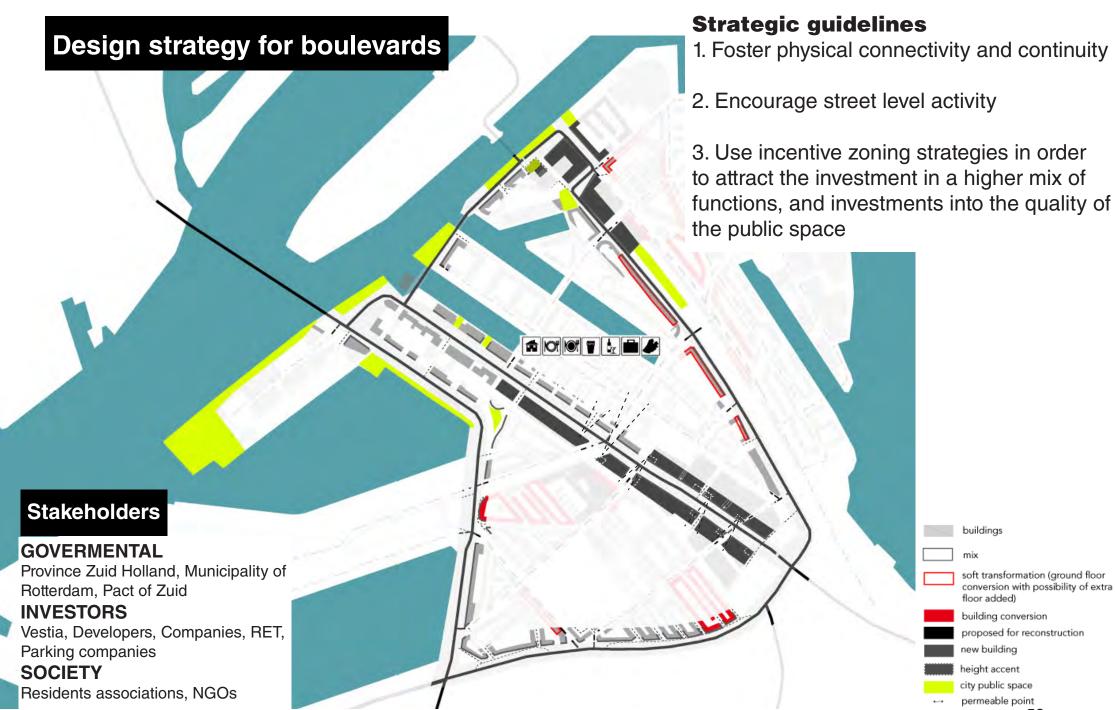
Semi-public space and permeability

Potentials for transformation of the built environment

Public space potentials









association

Strategic guidelines

1. Encourage intense street level activity

2. Encourage high diversity in terms of land

3. Use incentive zoning strategies in order to attract investment into a highly mixed program, and a qualitative public space



soft transformation (ground floor

proposed for reconstruction

conversion with possibility of extra

buildings

floor added) building conversion

new building

height accent

train station tram station

metro station bus station

permeable point

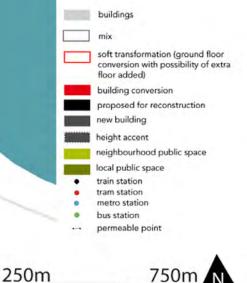
city public space



Strategic guidelines

1. Involve the local communities in the transformation process

2. Encourage the local entrepreneurship



Design strategy for local street

Strategic guidelines

1. Avoid residential exclusivity by encouraging public accessibility to community spaces

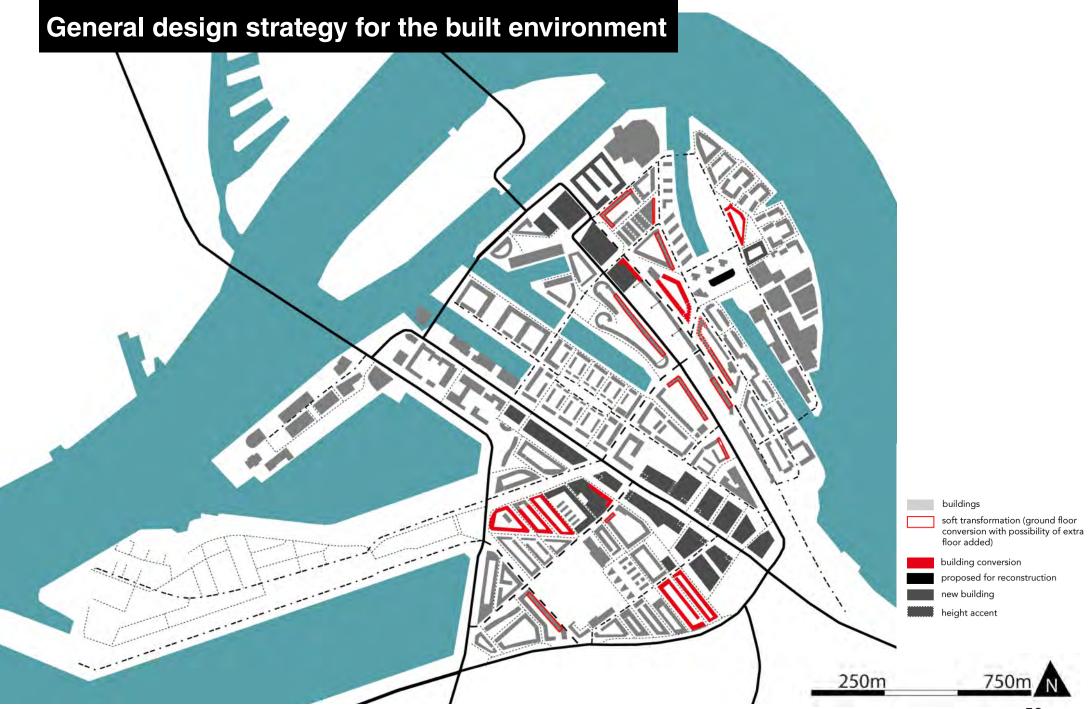
2. Involve the local communities in the transformation process



Stakeholders

GOVERMENTAL

Municipality of Rotterdam, Pact of Zuid INVESTORS Vestia, Developers SOCIETY Residents associations, NGOs, Local entrepreneurs association, New



General strategy for the soft floor transformation

main corridor

convert the residential ground floor function into commercial function

main corridor

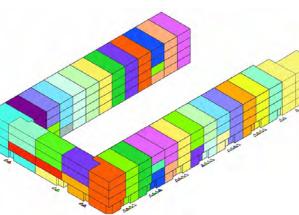
convert the residential ground floor function into commercial function and add extra floors and lift with galleries

main corridor

As a contra strategy for the transformation of the original buildings, in stead of demolishing
In order to keep the identity of the area
The existing inhabitants can be involved and kept into the area









Urban plan

Urban plan public space network

-A coherent public space network in between the diffrent neighbourhoods, that connects, qualifies, organizes and emphasizes the different hierarchical

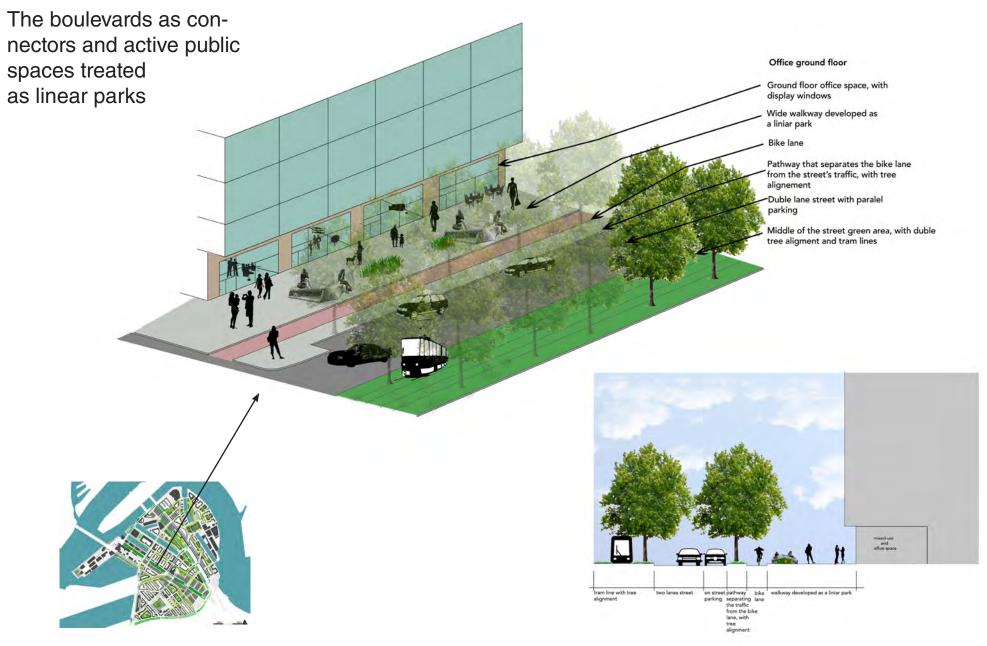
networks

 A permeable urban fabric that is easy to read

> existing building new/ transformed building pedestrian area train station train station wetro station tree in alignment on boulevard tree in alignment on city street tree in alignment on neighbourhood street tree in alignment on local street

50m

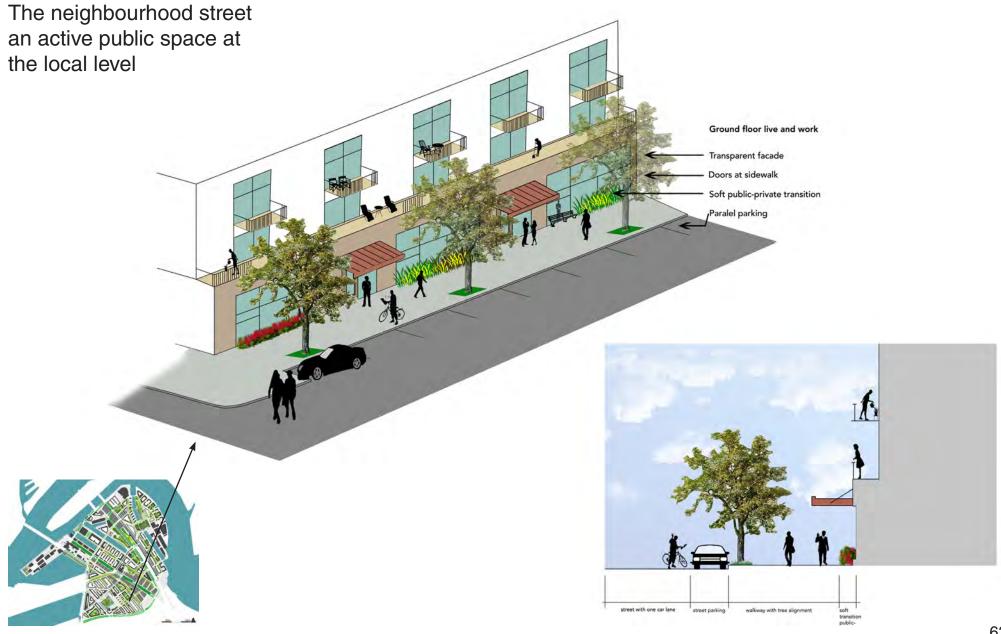
Urban plan boulevards public space



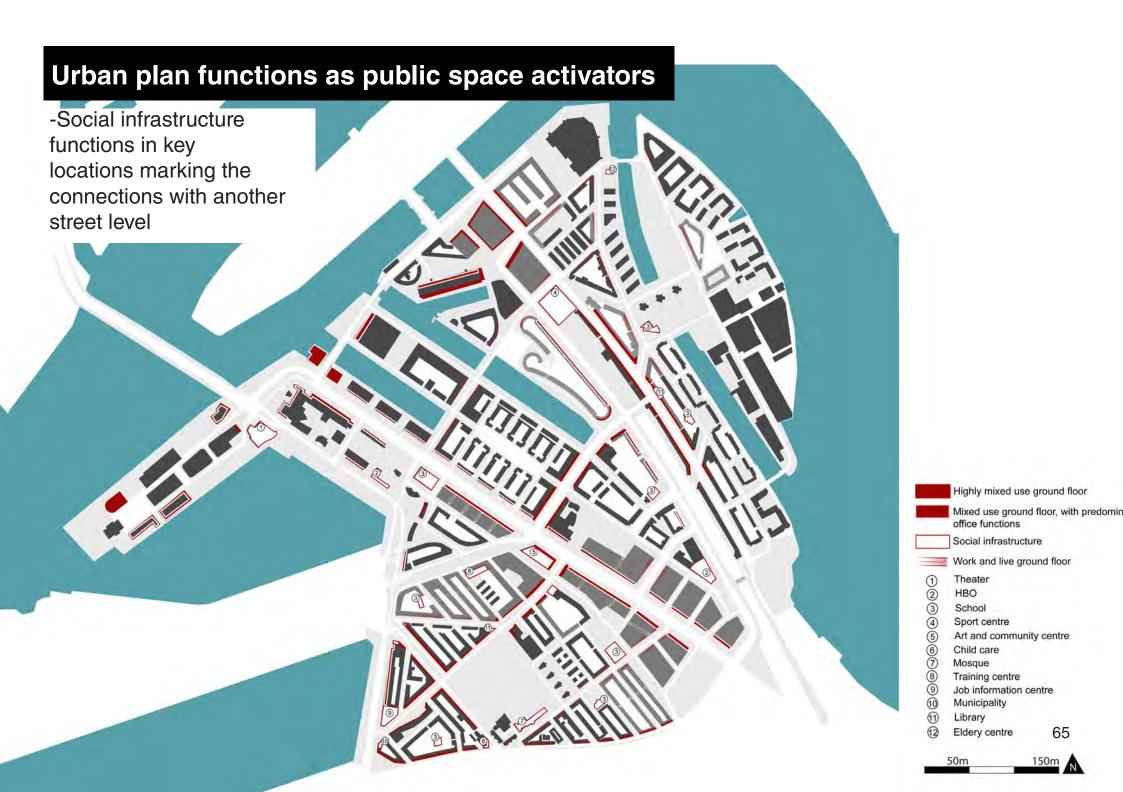
Urban plan city street public space



Urban plan neighbourhood public space







General urban plan

-An integrated open system that considers all the different demands -Brings the regional advantages to the local level, in order to potentiate the performance of the local level

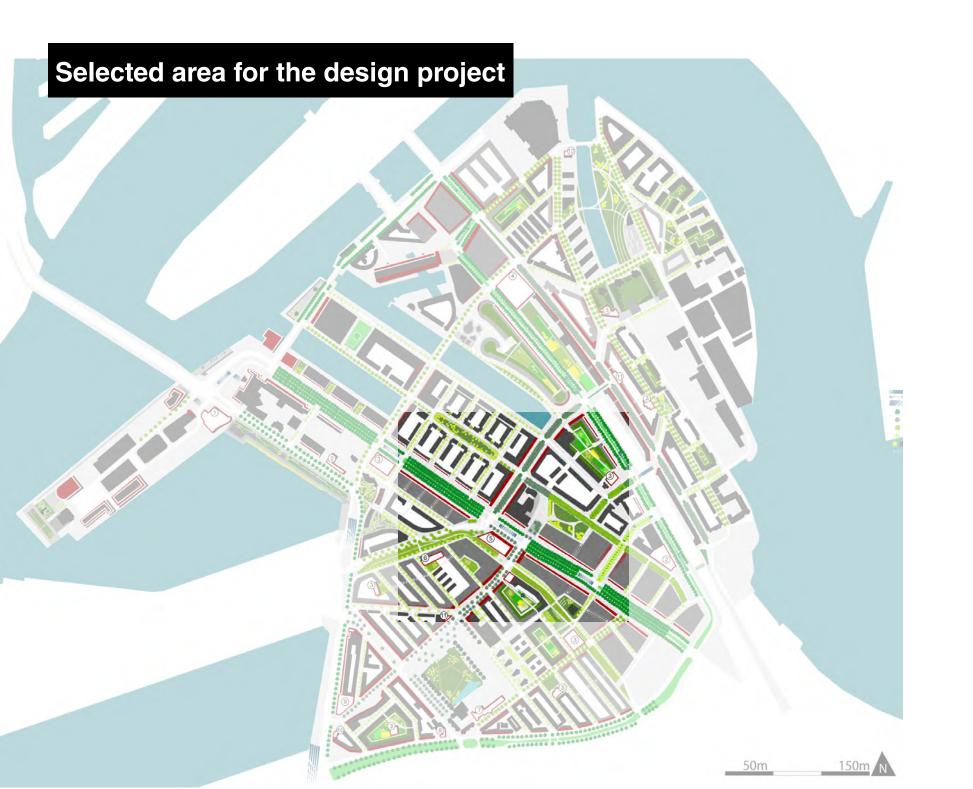
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50m



Design project



Design detail private courtyard first interpretation



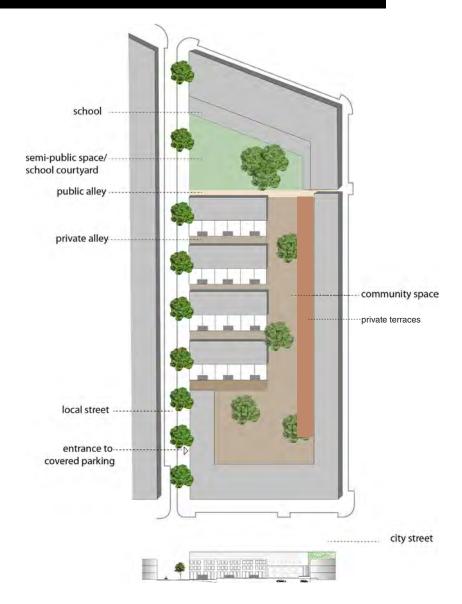


community space

city street

View on the community space

Design detail private courtyard second interpretation



View on the community space

Active community space integrated into the public life

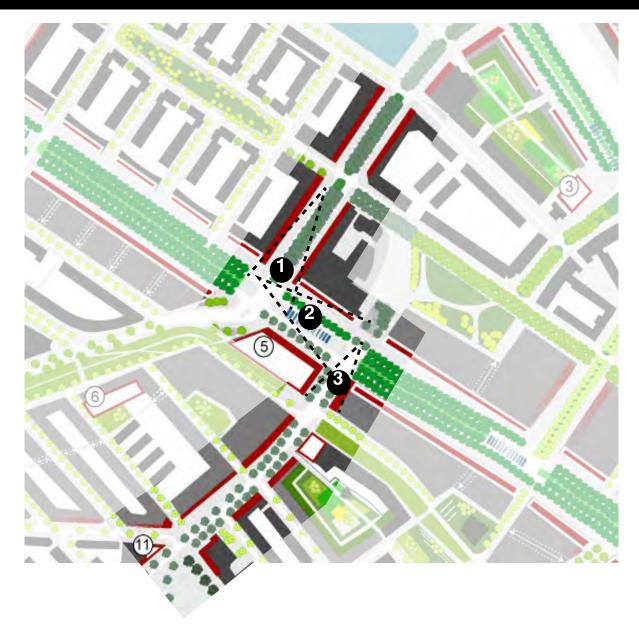


Active semi-public space integrated into the public life

Active local street integrated into the higher network



Continuity of the city street between the Kop van Zuid and Afrikaanderwijk



View on the city street from Kop van Zuid to the Laan op Zuid



View of the city street connection on the Laan op Zuid

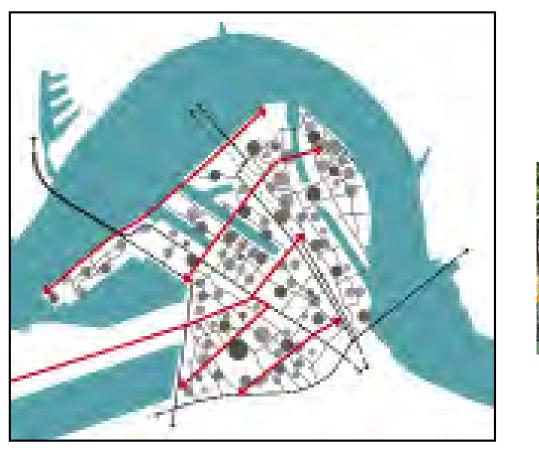


View from Laan op Zuid towards the city street in Afrikaanderwijk



Evaluation

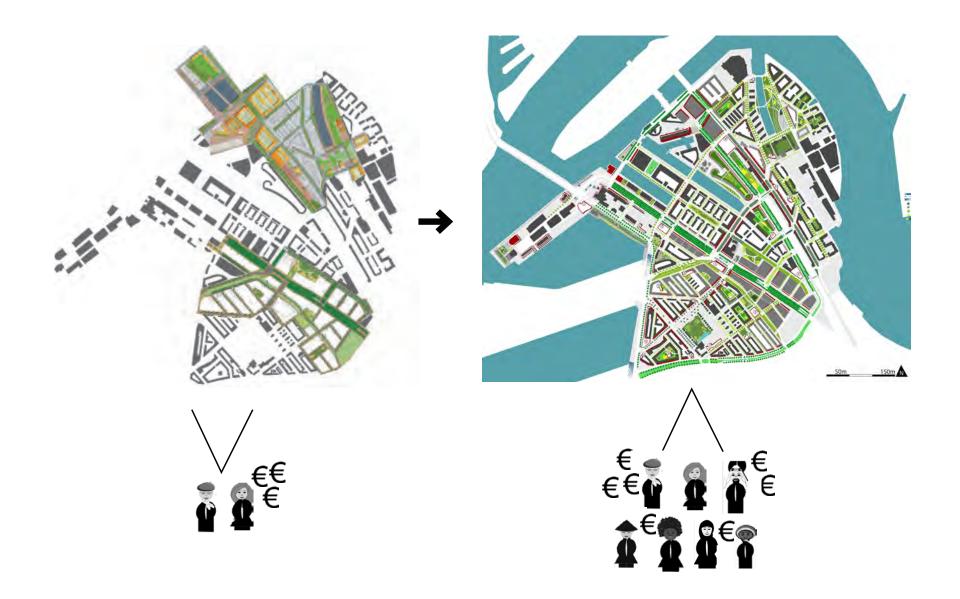
An integated system that takes advantage of the infrastructural developments and enhance the activation of the locality

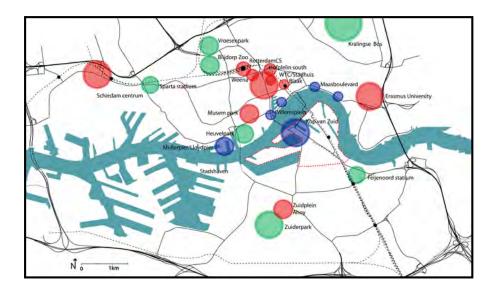




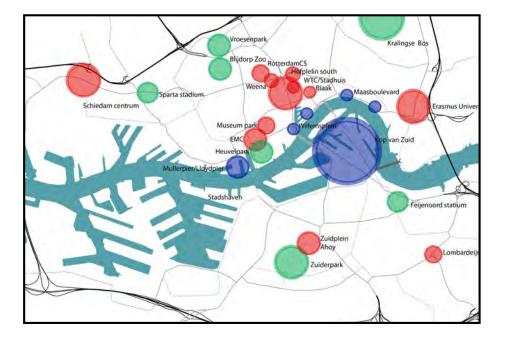
From two individual plans that focus mainly on the high

To an integral open plan that considers the diversity of groups and their demands





From Kop van Zuid an exception in Rotterdam South



To Kop van Zuid an empowered and integral centrality that spreads its benefits to the surrounding neighbourhoods

Thank you! Questions?