

Structure for the presentation

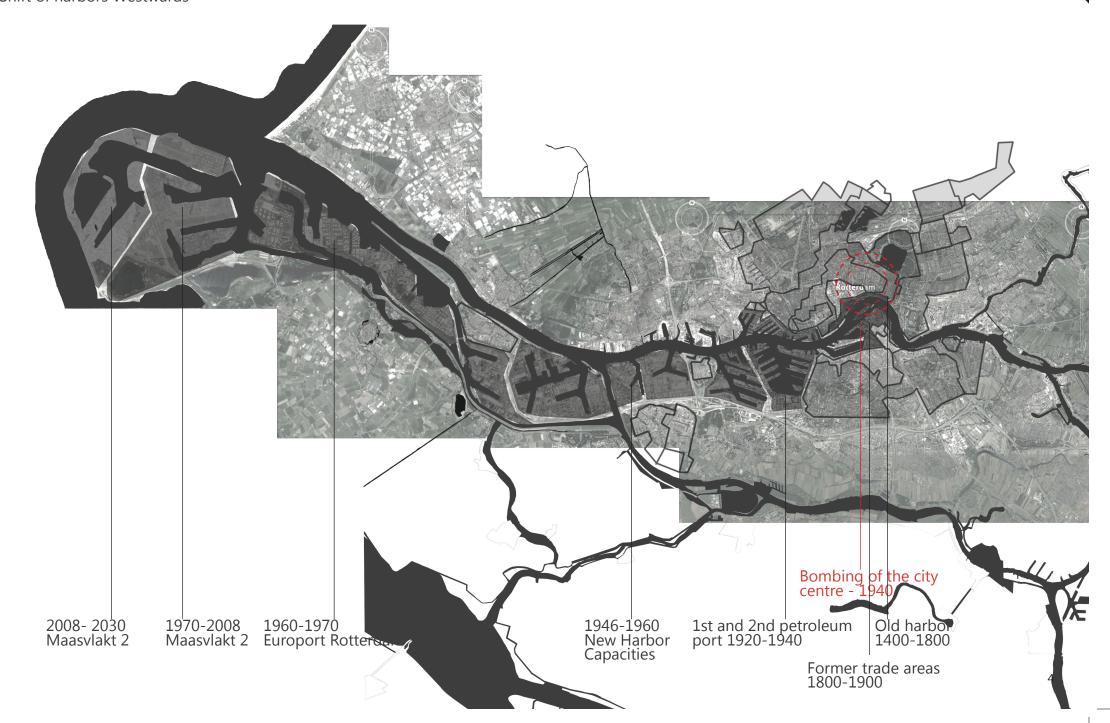
- 1. Introduction- to location and topic
- 2. Dis-connection Feijenoord- Public Space to Infrastructure
- 3. Municipal+new development scenarios for the area
- 4. Masterplan- Highlighting Infrastructure
- 5. Design Strategies
- 6. Localized Intervention
- 7. Reflection

Location_Rotterdam



Location_Rotterdam_Shift of Harbors westwards

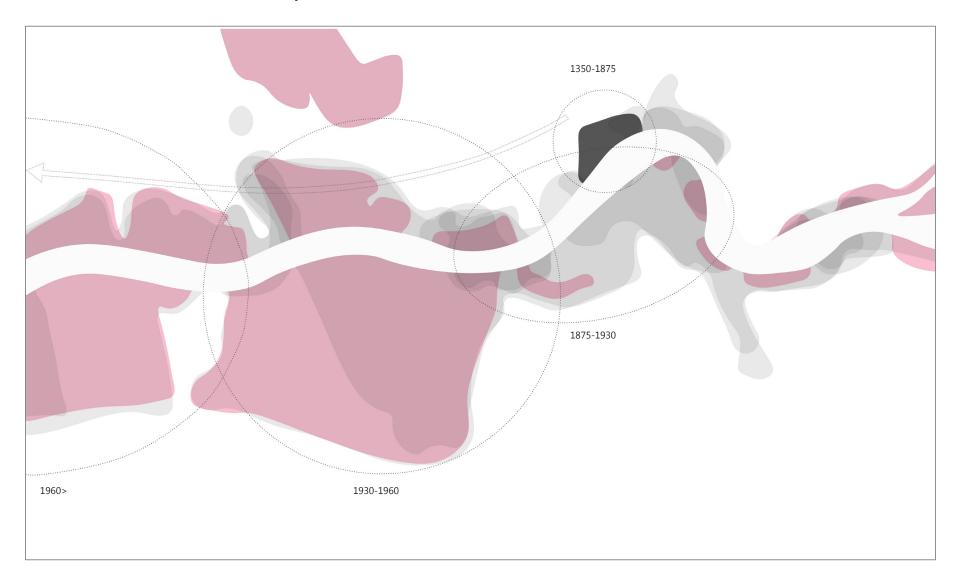
Development based on 2 events_bombing of the city + Shift of harbors Westwards





History_Industry in Rotterdam_Shift Westwards

Why? Distance to the sea, depth and size of ships Post world war 2- new industry petrol- new harbors Living areas where abandoned harbors and industry



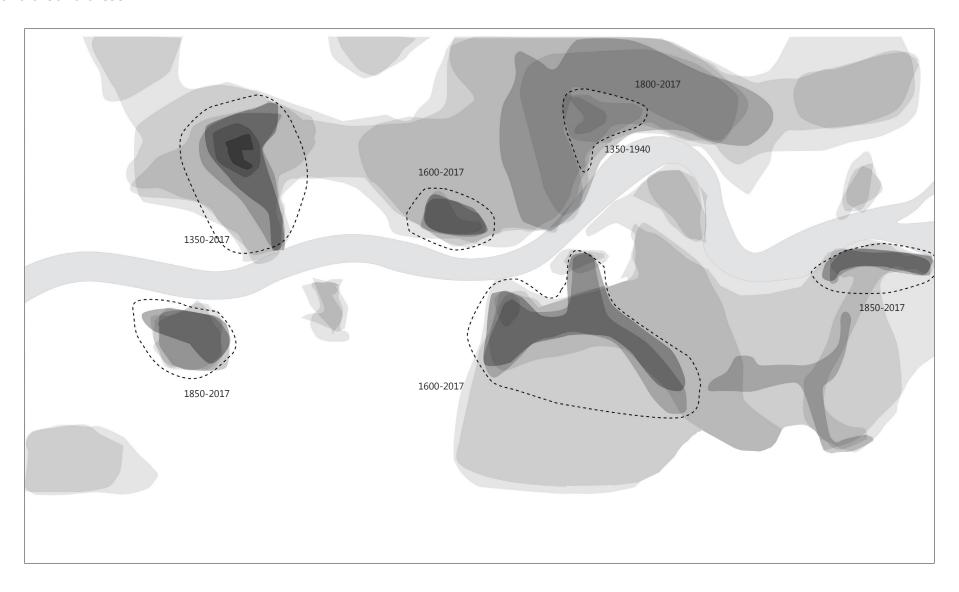


Industrial areas

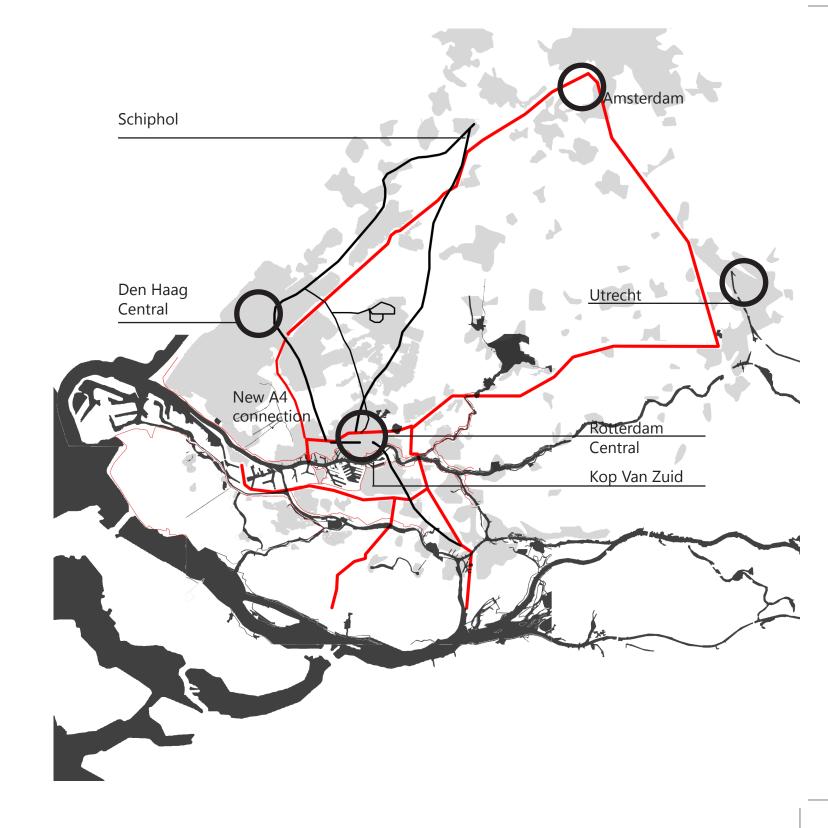
Old industrial areas- the darker the 6 older

History_Built Environment

The patch pattern shows a division in different centres of growth- new neighbors and harbors grow in between and around these



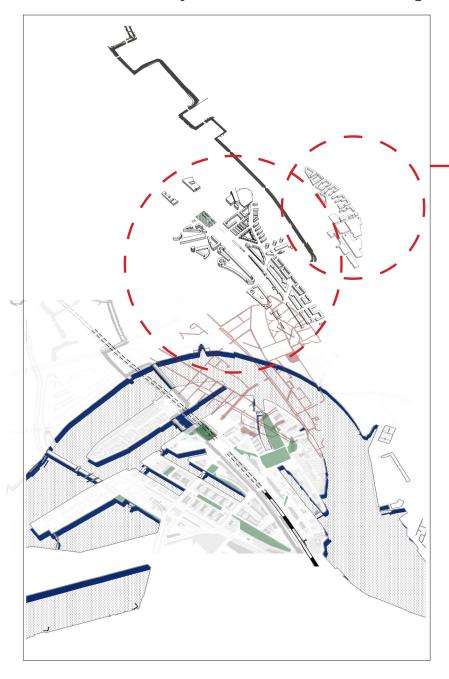
Position in the Ranstad Context



Scope of site
South of Rotterdam_ Feijenoord



DISCONNECT between public places and their Infrastructure in Feijenoord: thematization of segments





Infrastructure



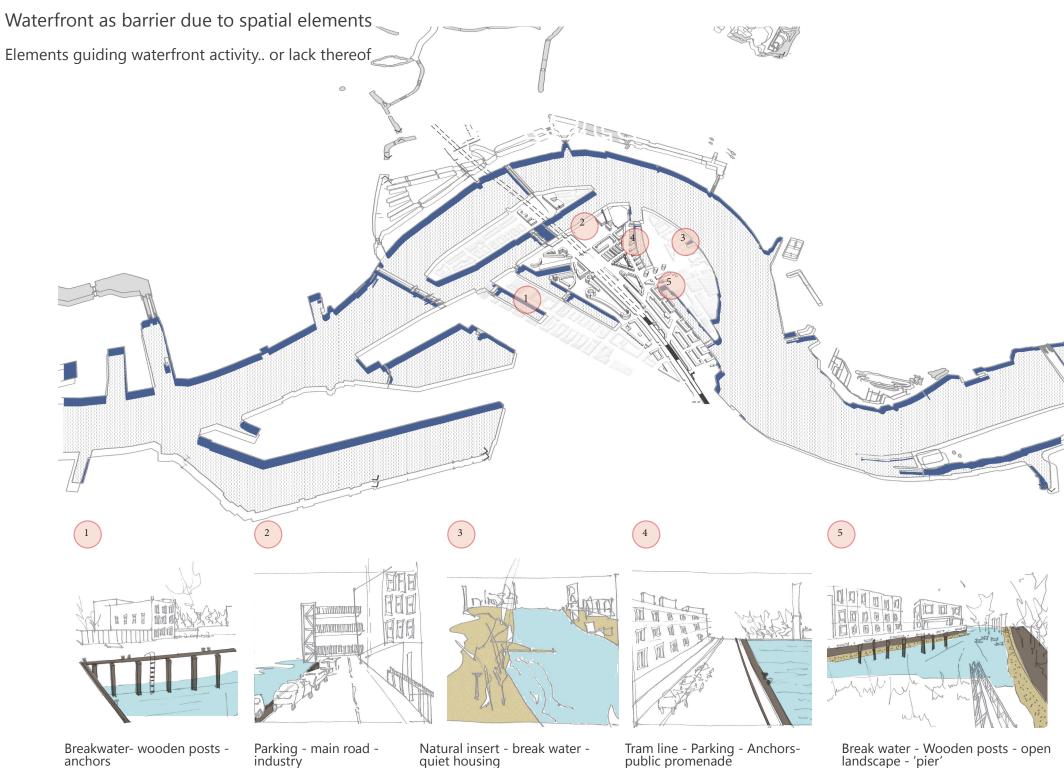




Parks

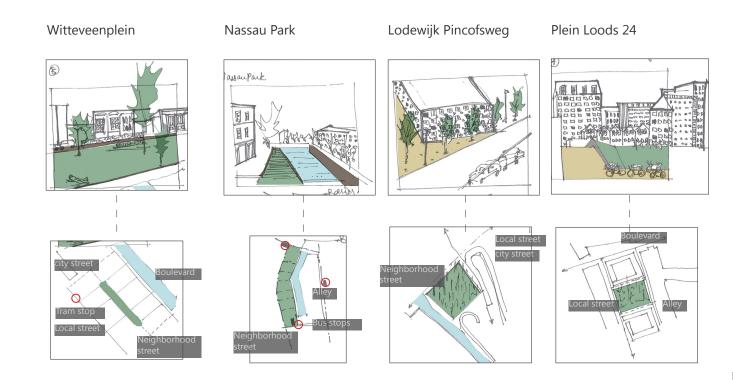


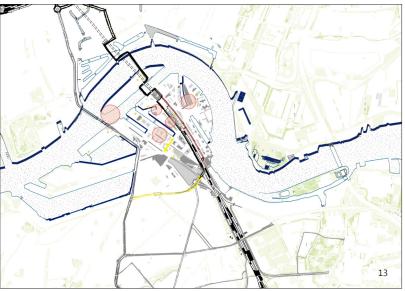
Waterfront



Parking - main road - industry Natural insert - break water - quiet housing Tram line - Parking - Anchors-public promenade

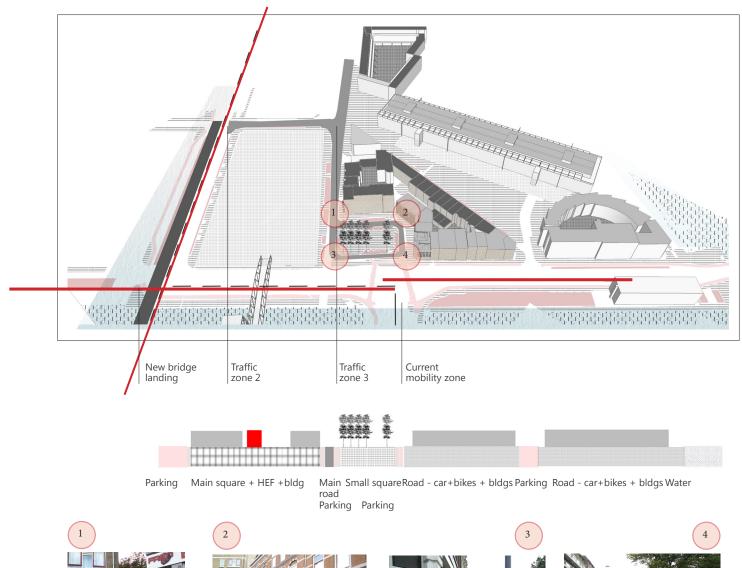
Why? Demarcate degree of potentials in different public spaces typologies- here parks





Built Environment typology at the HEF

Scattered Development+Transition zone





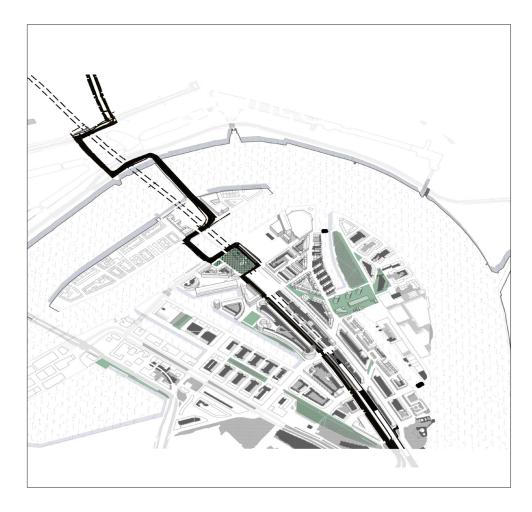






Disconnect between public places in Feijenoord and Infrastructure

Public Space as barrier due to inland connections (functions), character, morphology



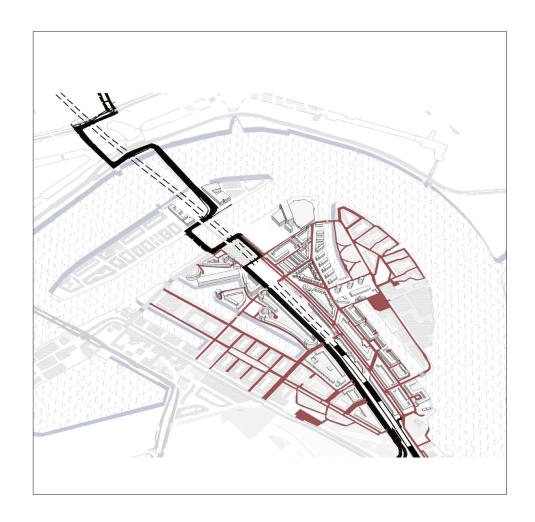
Public green

Public places-parks and squares

Private open space

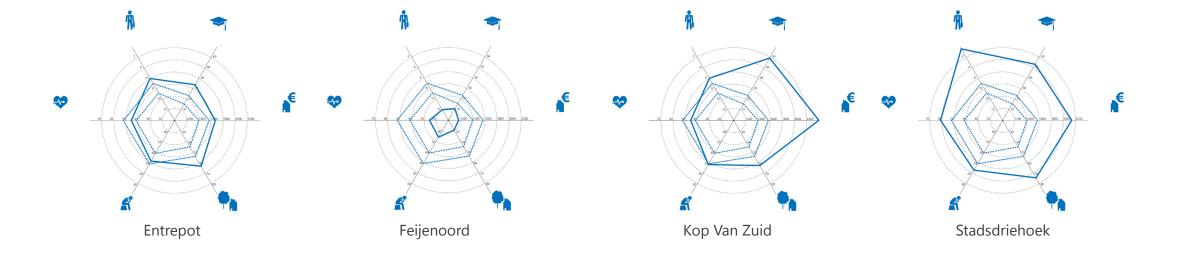
Semi public space

Based on Supporting Infrastructure



Secondary Streets

Comparision of Social data- NPRZ



Work unemployment completed HBO /
19 to 64 years in%

15 to 75 years in%

Education

WOZ average woz value Housing environm per m2 in euros

environment ample 19+ in%

Loneliness moderate to very serious lonely, 19+ in% Health experienced health good / very good, 65+ in%



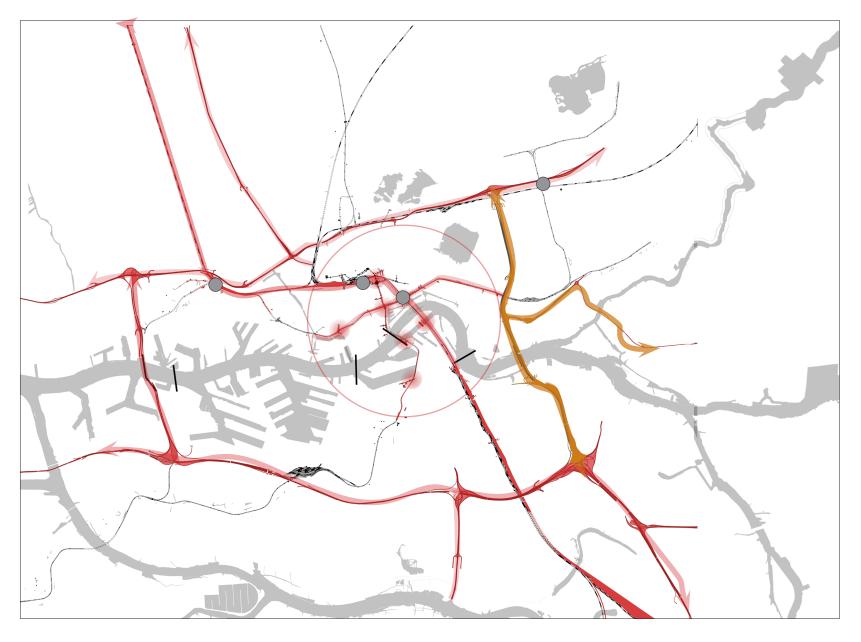




New Development Scenarios for Feijenoord

Network Overload- Car and public transport

Urban Traffic Plan Rotterdam- Bottlenecks with growing impact



Future development as per municipal discussions





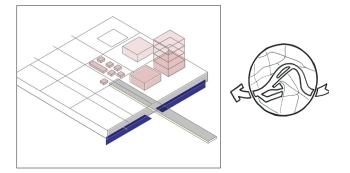


Parkstad

Municipal Scenarios

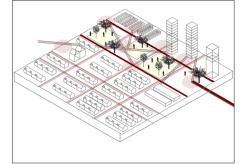


Metropole on the Maas





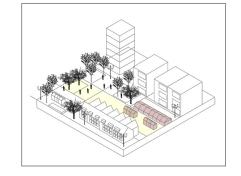
Streets as vibrant/green centres







Autonoumous neighborhoods





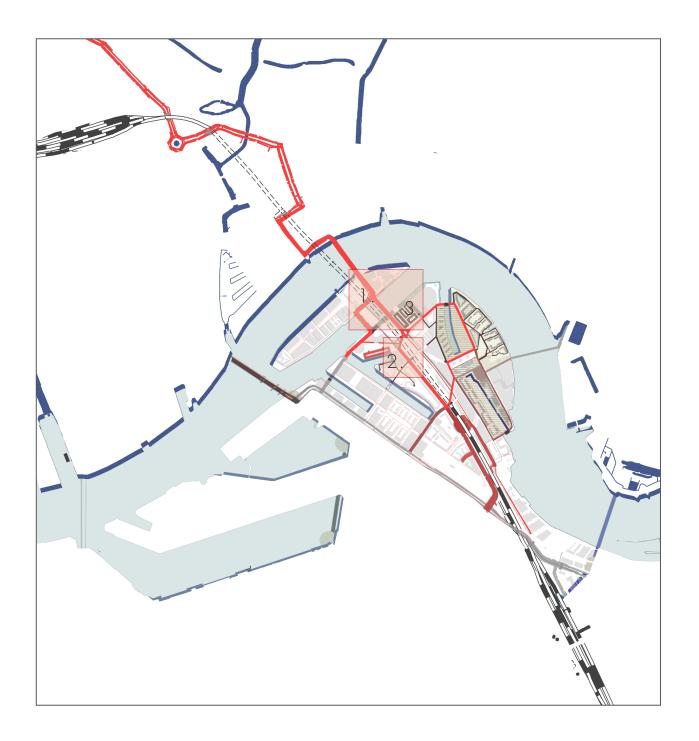
With new developments like Feijenoord city, slated to come up actively over the next decade, this will require 2 things:

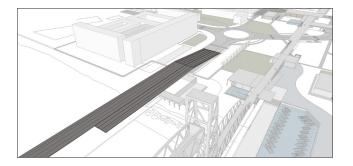
- 1. Infrastructure to support **new traffic and movement intake- and plug-in to the larger network of Rotterdam**
- 2. **To integrate this infrastructure** in the diverse urban fabric and everyday life of Feijenoord-preserving its identity, while still responding to the grand architecutral gestures, that initiate innotivation and economic growth of Rotterdam.

Masterplan - Highlighting Infrastructure

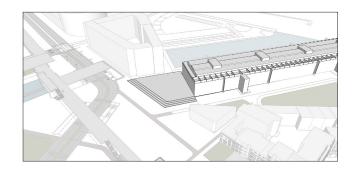


Design Strategies based on projects derived from Municipal Scenarios

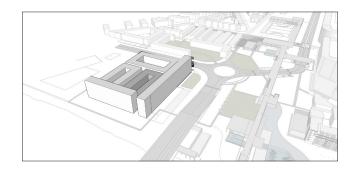




The new bridge
why? Travelling to the South a concern as the other 3 bridges are at maximum capacity

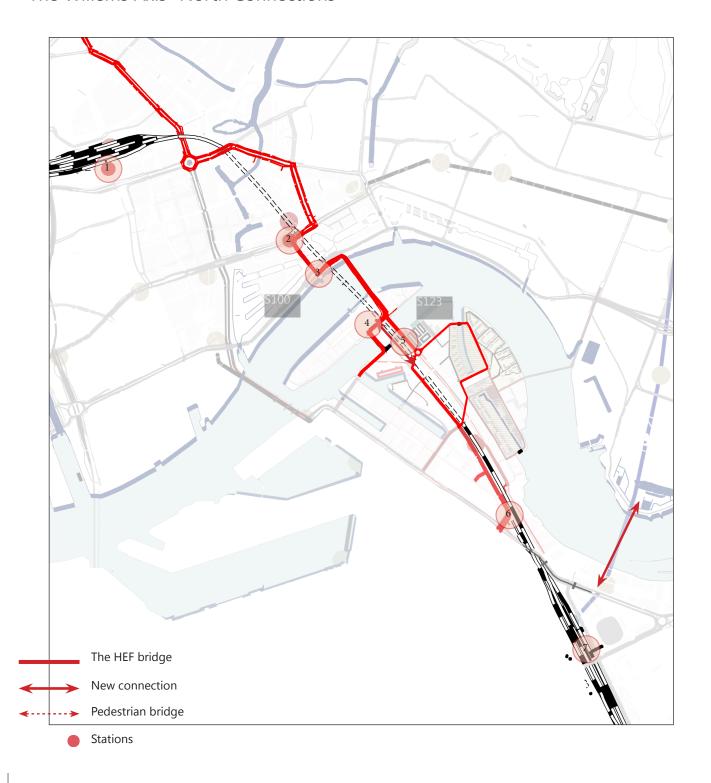


2. Entrepot as a metro station New line for regional metro



Ref Quartier

The Willems Axis- North Connections





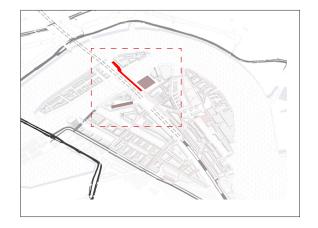


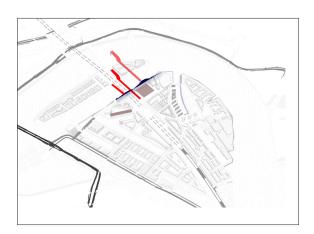








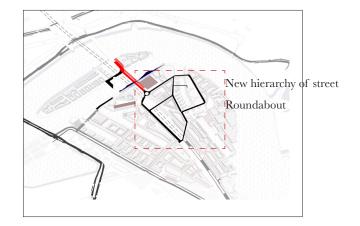


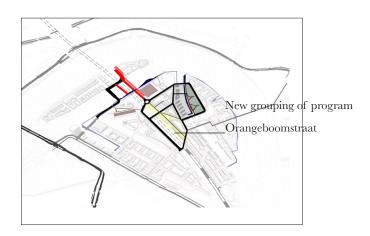


Intervention: New bridge connection

Impact: Elevated to generate porosity. Stretch of waterfront pedestrianized.



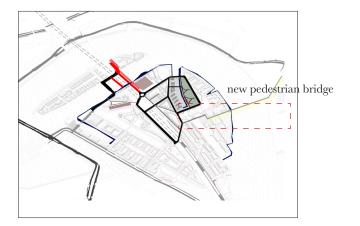


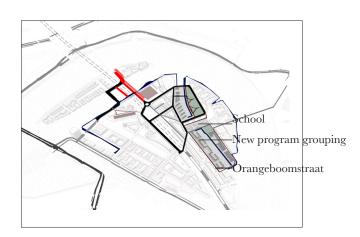


Intervention: Loop into Feijenoord, changing the existing hierarchy of street+ roundabout for smooth traffic flow.

Impact: Orangeboomstraat now a shared street with pedestrian and cyclist priority.
Loop acts as a catalyst for generating mixed usage of space- by grouping residential, water and park functions- and connecting them to a larger network.



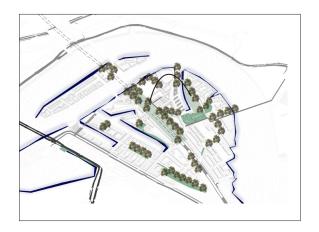


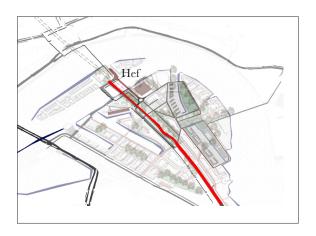


Intervention: Pedestrianization for road outside school + to continue to Erasmus University- as a bridge

Impact:
Mixed use.
Continuty over the river.
Orangeboomstraat also pedestrianized and strenghtened in character due to exit.







Larger opportunities arising within Feijenoord from masterplan:

- 1. More integrated and fluent- smooth traffic flow- transit node along the HEF and Entrepot
- 2. Opportunity for new functions in existing public space- due to new connections

Design Strategies

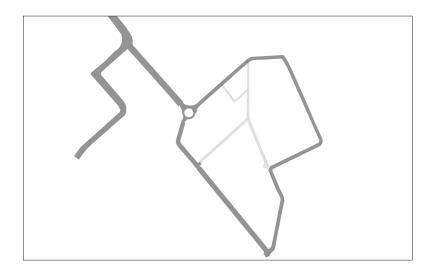
Movement + the in-between

Most importantly, the design works as a plugin to the larger infrastructure and public space network of Feijenoord- coonected to Rotterdam- CONTINUOUS NETWORK

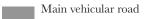


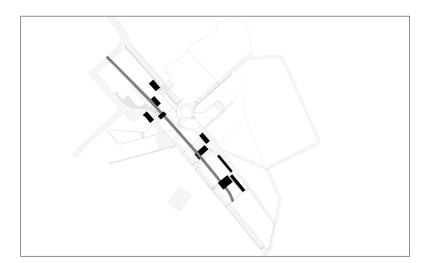
Pavillions

INTEGRATION of the Willems Axis as a public place, within the everyday life of Feijenoord to address physical and social connections



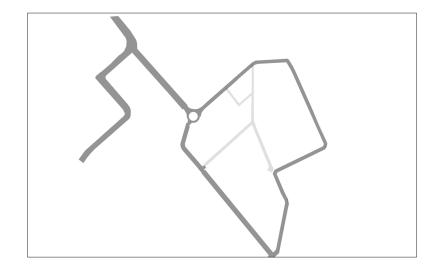
1. Resolve vehicular movement considering old and new developments in Feijenoord



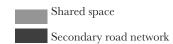


3. Introduction of program to initiate interaction through the built environment





2. Organize secondary road network to link East/West Feijenoord and also the main infrastructure



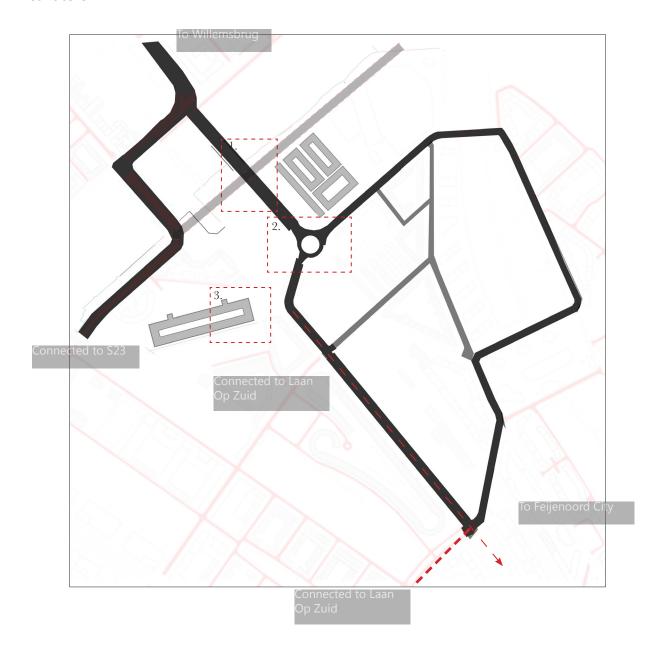


4. Landscape strategy for the in-between spaces- to bind the infrastructure and the built

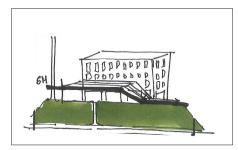


1. Vehicular movement

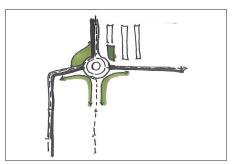
Activators



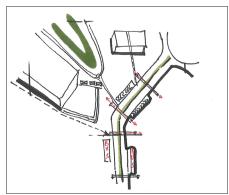
The quality of spaces was determined firstly based on criteria for organizing traffic and circulation.



1. Elevating the Bridge



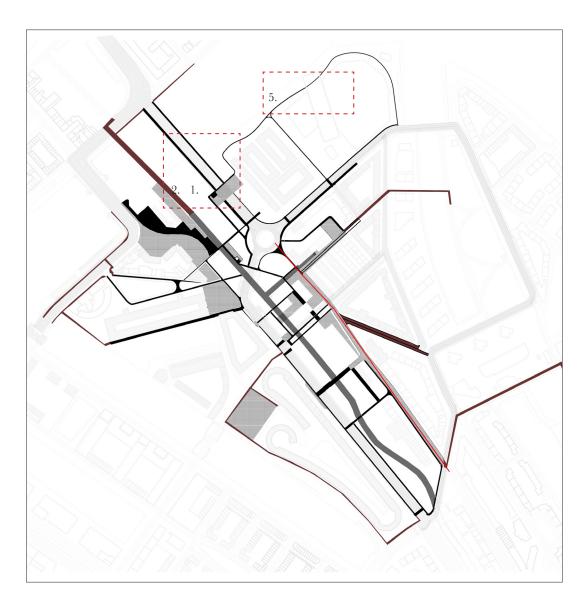
2. Integrating the roundabout into



3. Entrepot and consequential developments-drop off points, bus stop, entrance square,

2. Secondary Movement Network

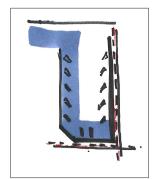
Activators



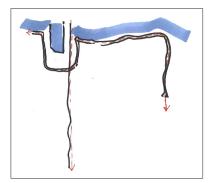
Support network to create better connections in Feijenoord. The main intervention being extension of the HEF to give this smaller network of streets an identity.



1. Extending the HEF + exits



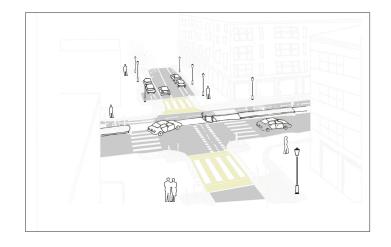
2. Harbor to activate water transport



5. Waterfront characters

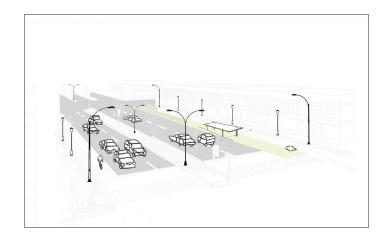
2. Secondary Movement Network

Street heriarchy+safety elements



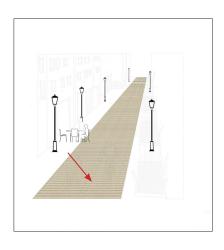


Integration of major juncitons into the life of the city + details to ensure maximum safety



For Rosestraat, outside the metro station

Integration of major vehicular road- 5 lanes, with bus service exits + details to ensure maximum safety



Orangeboomstraat

Shared Street



Passeig De St Joan Boulevard



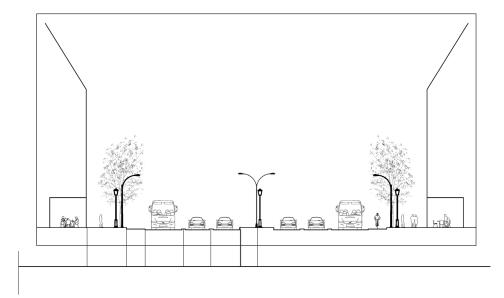
Shibuya Crossing



Brighton and Cove, England

2. Secondary Movement Network

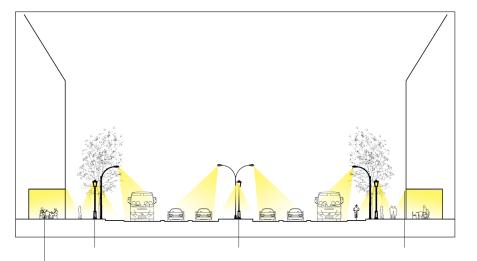
Lighting Strategies
Eyes on the street- safety



Shops, displays and cafe seats

Efficient walking width- kept free from all kinds of obstacles

Zone for street furniture



Street lights that give a warm light at the footway

Scenario for night- withdraw activities into the buildings and then light them up

Street lights that light up the carriageway

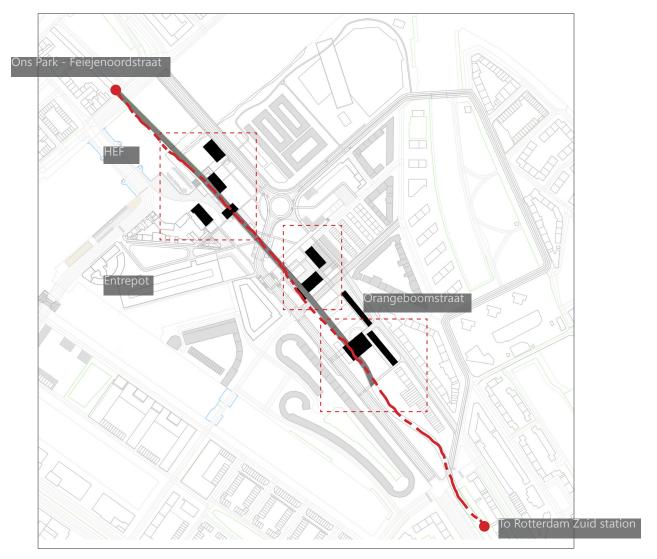
Billboards

Lights at entrances to improve feeling of safety

Ground lighting in green areas

3. In-Between

Program Pavillions- Listed from North to South



Placement of pavillions and programming, based on what is happening in its immediate context in Feijenoord.



The HEF bridge



Restaurant/Cafe for the HEF and the waterfront



Information centre



Gallery space



Bike rental



Event space+Library+Market



Hockey club



Allotment gardens

4. Landscape

Activators



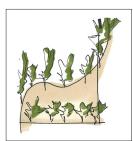
Section showing water retention- filteration and storage for rain water and grey water from neighborhood.



Connections to the waterfront



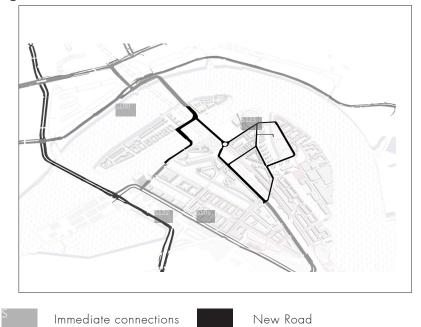
Develop a network of green fingers

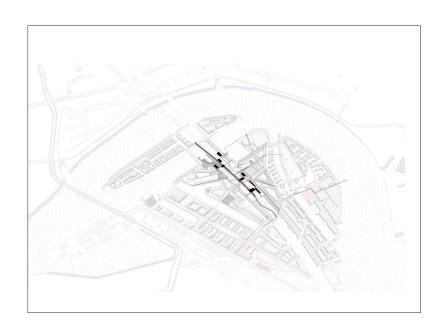


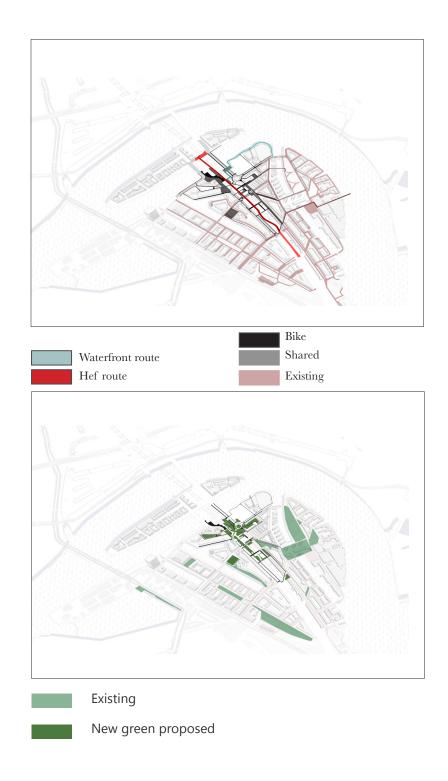
Plant consistent trees- 10,000 trees in 10 years

4. Landscape

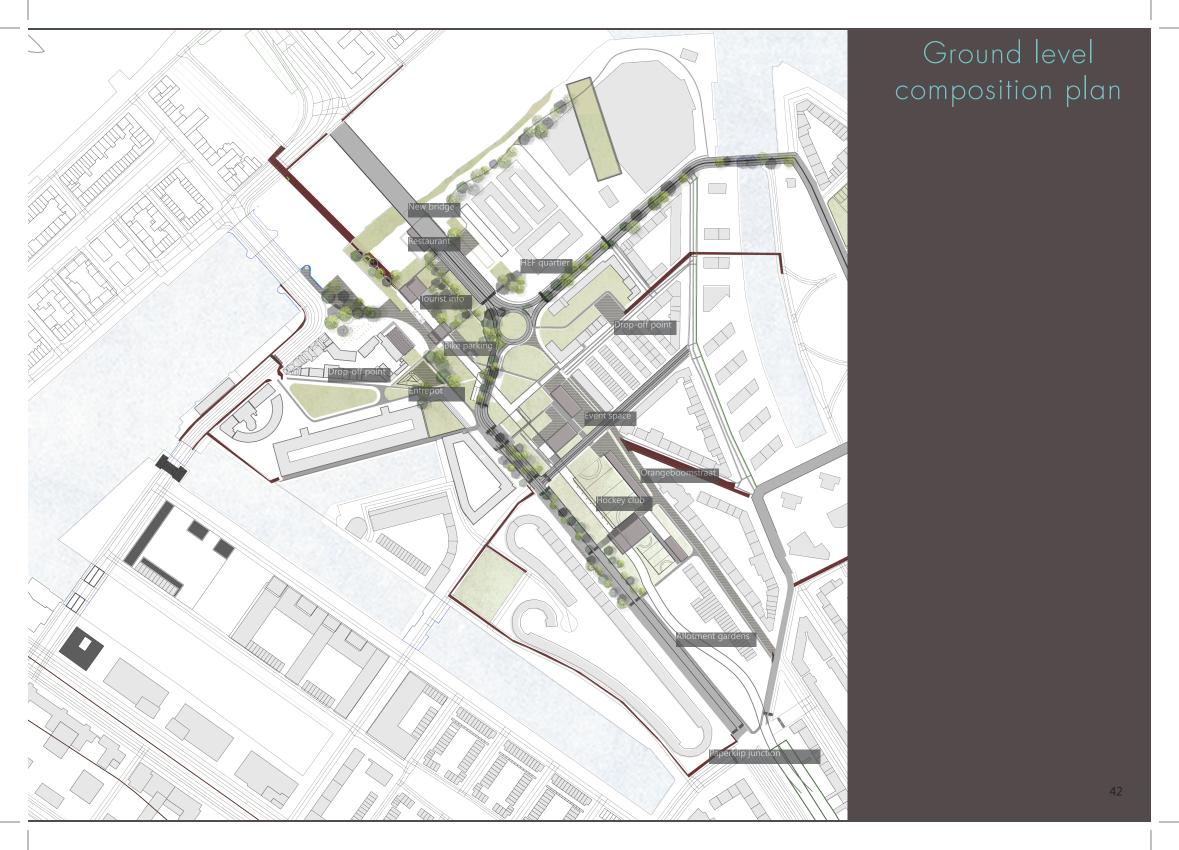
Overview- Plugin

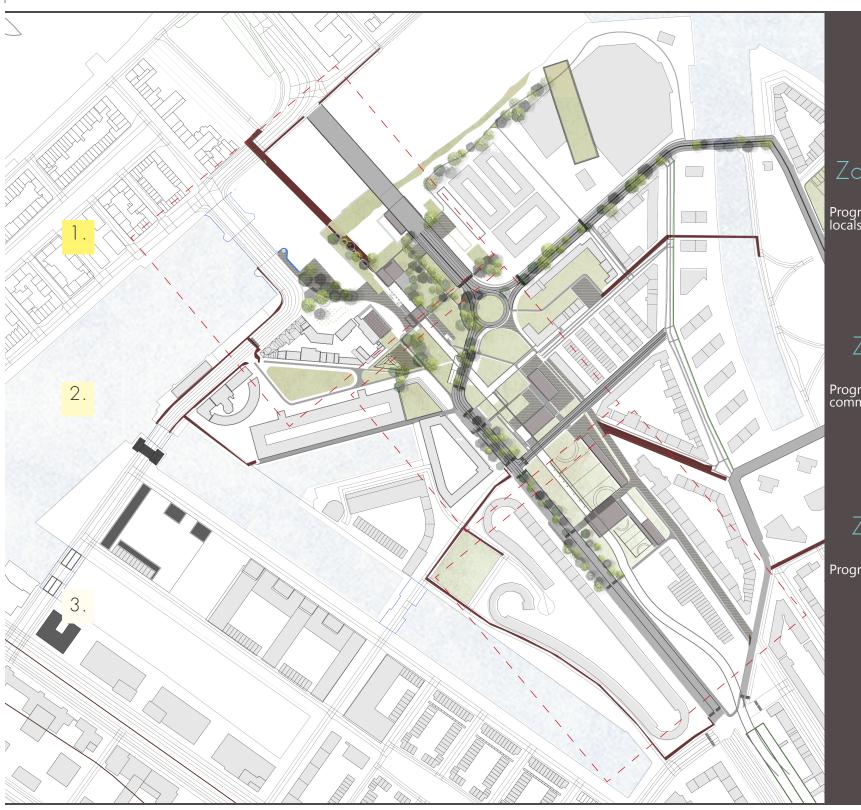






Detail design





Ground level composition plan

Zone 1_The approach

Programes and infrastructrure caters to locals and tourists

Zone 2_Transit Hub

Program starts to transition towards more community involvement

Zone 3_Community

Program primarily caters to the community

Zone 1

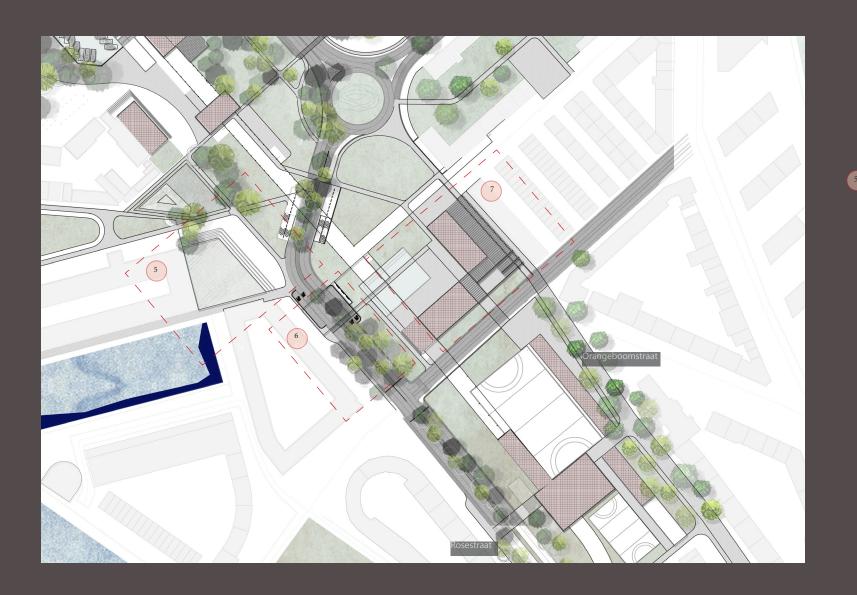






Drop-off Loop

Zone 2





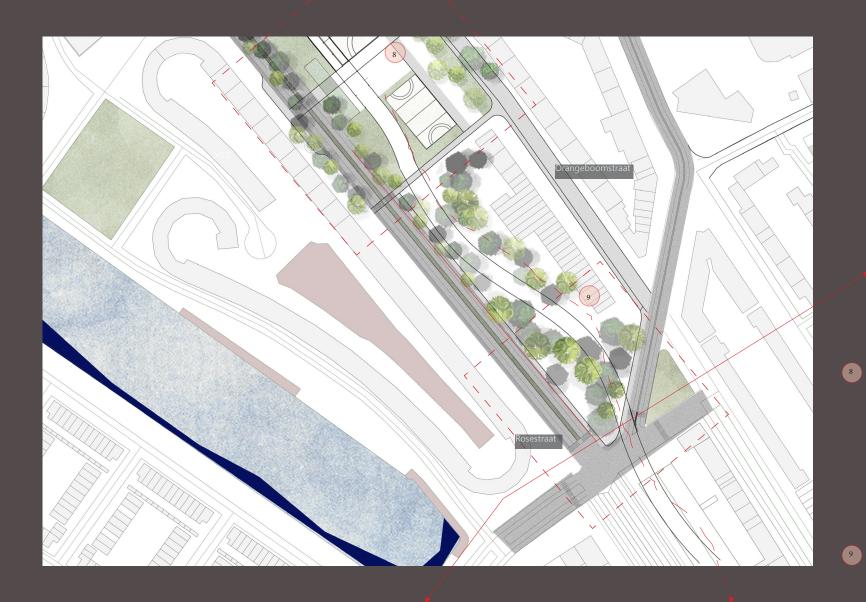
Entrepot square- exit



Bus Stop



Event Space + Orangeboomstraat connection

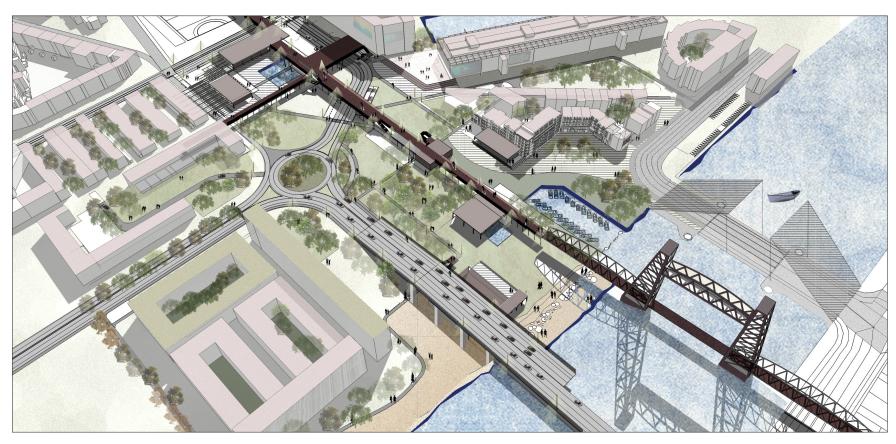




Hockey Club



Allotment Gardens + Paperklip Junction



Overview showing a cohesive interpretation of the design stratgy- movement patterns- vehicular+pedestrian and design of in-between spaces-EXTENTION OF THE HEF



Overview showing a cohesive interpretation of the design stratgy- movement patterns- vehicular+pedestrian and design of in-between spaces-EXTENTION OF THE HEF

Approach to Site- through the New Bridge



View from the new bridge

Event area + Continuity of Orangeboomstraat

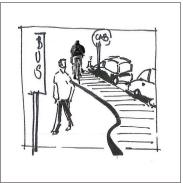


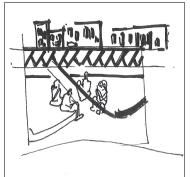
View from Roundabout into Orangeboomstraat





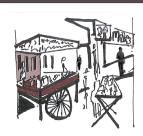














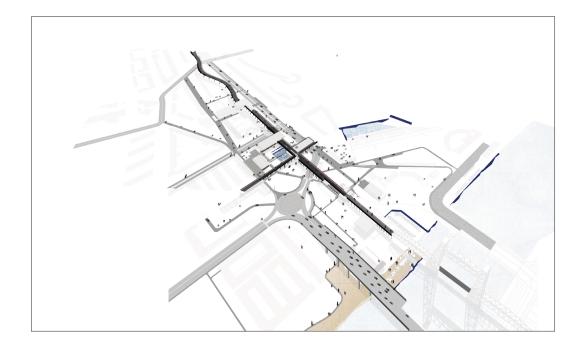


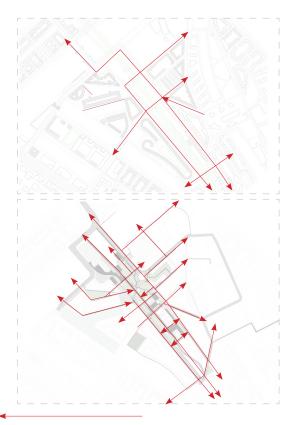




Everyday public space- multi-level- leading to different readings of Feijenoord

- Reconnect pedestrian connectivity in the core- via secondary road network and in-between spaces
- Improve pedestrian accessibility of urban dwellers along the project

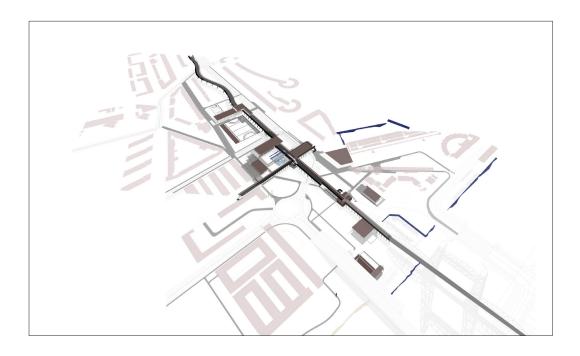


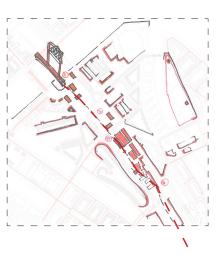


New connections to activate core and East-West Feijenoord

The HEF and its support structure- program pavillions

- Pavillions and other programmtic developments like the Entrepot to generate developer interest +improve lack of resources and hence jobs and also informal activity
- Connect with existing open space assets and further serve as guide to them
- Alleviating stress of front station by introducing different urban experiences + connecting with other commercial districts



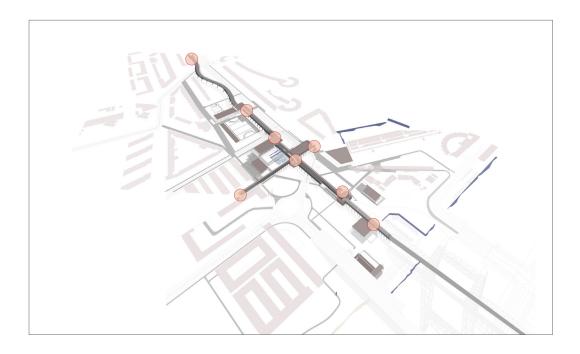


Program Pavillions and the immediate context they activateare a consequence.

The HEF and its support structure- program pavillions

HEF as home

HEF as home- Lending Identity to Infrastructure



Exits from the HEF

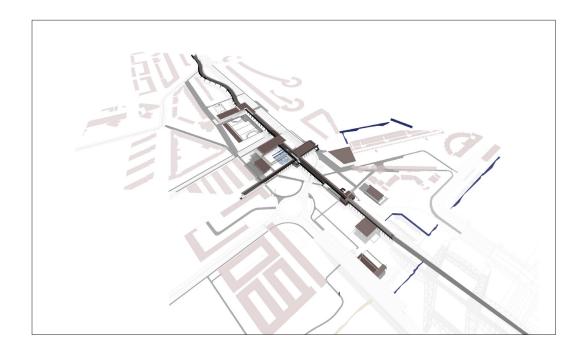




The Highline, New York

The HEF

Reference





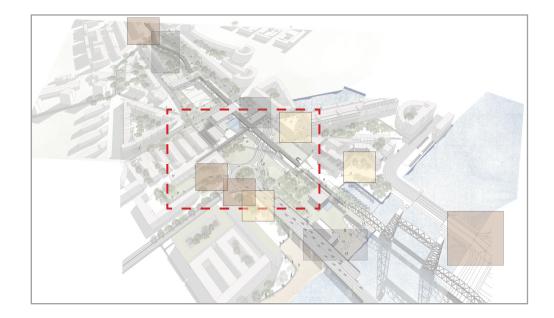




Lijnbaan, Rotterdam

Scope of site

Different qualities of spaces zoned post design intervention- Actions and Interactions



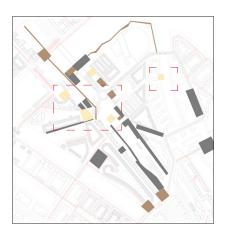


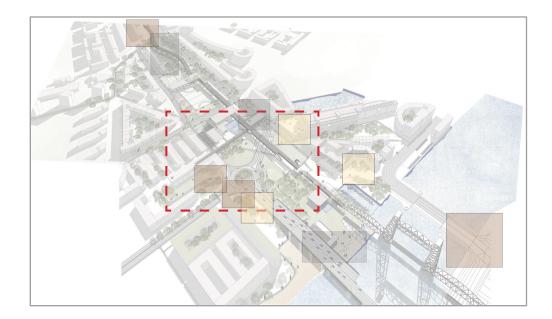
Diagram of Interaction zones

Inviting Entrance

Junctions City focal point

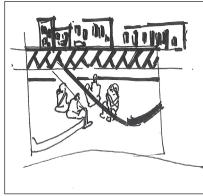
Scope of site

Actions and Interactions- Informal Activity in the area

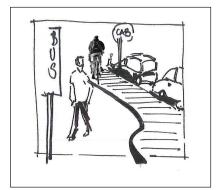




Thresholds extention



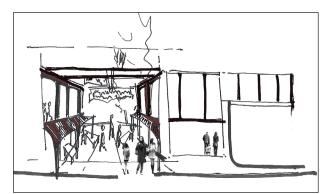
Using the curb for gathering



Waiting zones- shared cab stand

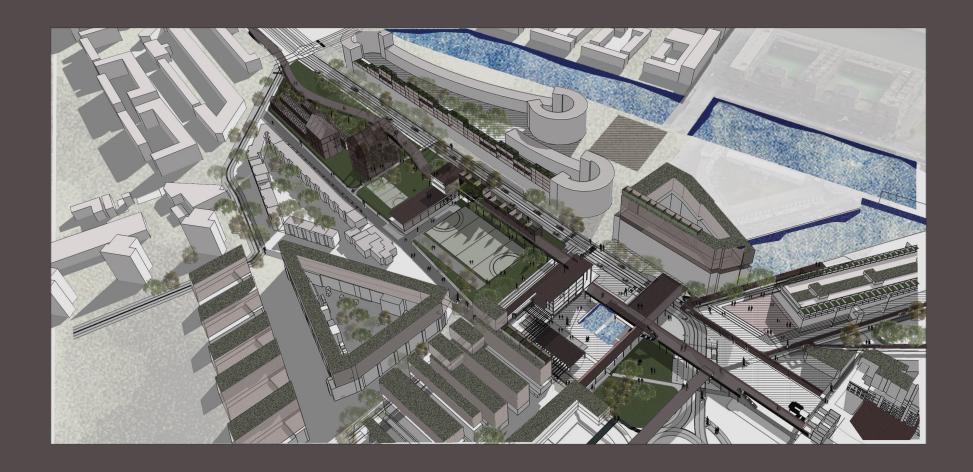


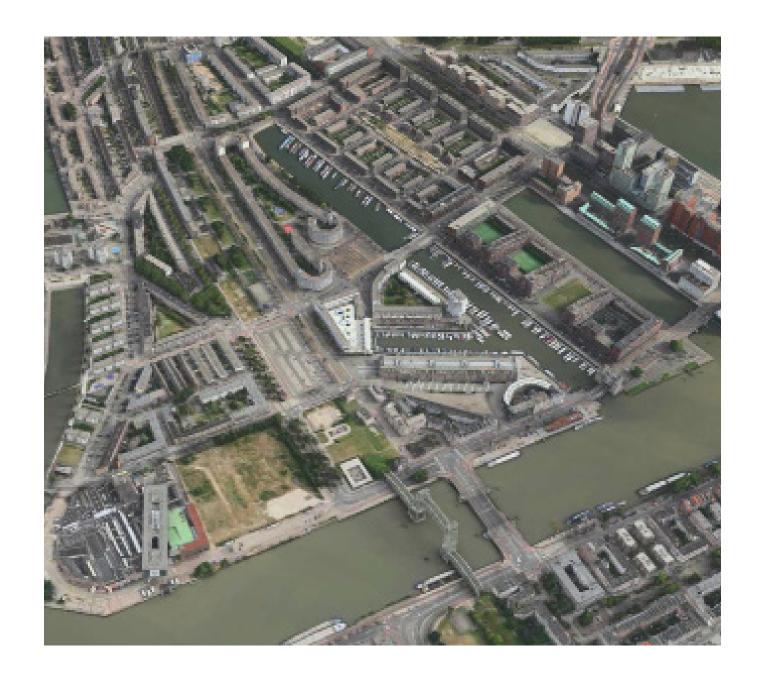
Market street



Orangeboomstraat when activated by market







Overview- Continuity



Stakeholders

Actors + Approach

PUBLIC:

- Municipality of Rotterdam-Defining planning principles
- Pact of Zuid

RESIDENTS:

- Local residents, neighborhood groups, civic groups, involved in the decision making regarding the transformation of the current urban fabric.
- New Residents- New participants involved in the transformations.

PRIVATE:

- •Developers- Through activating the Entrepot station, new program, and a bridge, developer interest is generated in the area- by new initiating mixed functions.
- Existing Entrepreneurs-Agencies with an already invested interest in the area

Private:

- Vestia- Main owner of the rental housing.
- Parking companies involved in the construction of guest parking lots inside the blocks- P+R
- NGO's + Crowdfunding

Social organizations, youth groups, citizen action groups

Top- Down

Bottom-Up



Constructing Top-Down transportatoin infrastructure projects as activators of urban regeneration and growth

Using Bottom-up strategies to mitigate impacts of these developments- integration

Opportunity to implement innovation- and contain all actors

Engagement of Actors in the design process

