Is a Music building for everyone, a Marvel?

GRADUATION REPORT

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Introduction

The graduation report is based on the design of a music building. The music building will be located in The Hague, Binckhorst. In order to make a design that also fits well in the area, an analysis is first made about Binckhorst.

Subsequently, after defining the problem, a design proposal is made by means of analyzes and drawings. The package of all these products serve as the starting point of graduation.

The graduation plan is based on the fascinations we have acquired after researching the area as well as other case studies (i.e. music buildings). The abstract and design manifesto is a guideline for taking an individual position on the area and function of the music building. The design serves as a tool to strengthen my position.

Hakkican Ünsür 17 january 2022

Under supervision of Henk Bulstra, Sang Lee, Nicola Marzot and Florian Eckardt

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A. Graduation plan

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Graduation Plan

Graduation Project

Argumentations of choice of the studio

People's perceptions change over the years. People's needs and interests are also changing. As designers, we have to be flexible in thinking and design to adapt to the wishes and standards of the current eras, we have to evaluate ourselves in an innovative sense. This in turn is reflected in spaces where people come together and do activities in company, or rather: 'public buildings'.

I find it interesting how we as designers, through architecture, adapt to today's society with regard to public spaces on different scales. In addition, I am looking forward to looking at solutions to somewhat bring people together in extreme cases such as the COVID19. These kinds of extreme events can lead to certain perspectives that we as designers have never thought about. My vision is therefore: *limitations lead to creativity*.

The posed problem

With the Hague continuing to grow in size the Binckhorst is not at the edge of the city anymore. Due to the strategic location of the area opportunities arise that can be utilized if the city wants to continue on growing. This explains the vision for the city of the Hague to densify the area and include more housing, to tackle the housing shortage and shortage of public buildings, like our hybrid concert hall.

What if we could use Binckhorst to tackle the overpopulation and housing shortage in the city center of The Hague?

The problem we have to deal with in Binckhorst is that big plans have already been made for a future plan. The individual empathy diagram showed that Binckhorst is not sufficiently diverse in the functions of the area. The area should contain more activities to make the area richer in terms of attracting people. The problem is that at the moment the area is geared towards people who only go there because they have a specific job there. The area is monotonous in terms of functions and activities, which makes the area less diverse and attractive to outsiders of Binckhorst. An outsider has no benefit or reason to enter the area at all. This should change if we want to spread the residents in the city center of The Hague over areas such as Binckhorst.

I wish Binckhorst to become an area for everyone with different interests.

The problem with the design proposal is therefore that Binckhorst will be expanded and become more dense, but that this should not have a negative impact on the practical routing, circulation or the current identity in the area. The importance of a hybrid building is reflected here. Combining a mixed program in one building means cutting back on the number of buildings with a single function that will be built in the area.

In addition, a hybrid music building ensures a long-term existence. In special times, like now in the COVID-19 pandemic, we have all experienced that the culture and music industry suffers when they are not flexible enough in their usage or program.

Striking experiences

A hybrid building also means that there is an attraction of different groups of people. So if the space cannot (or may not) perform a certain function (such as events), the building can still continue to exist on a financially and accessibility manner. This statement can be substantiated with the following example:

The largest 'hybrid public building' in the Netherlands, is the 'Market Hall' in Rotterdam. Designed by MVRDV.¹ According to the research by Strabo in 2017 (market research company), this building attracts as many people as a medium-sized city center. The visitors also vary from each other in this sense: 56% of the visitors earn an above-average salary, but the building is also visited by 33% by people with a low income. In addition, 50% of the visitors are tourists, while the other 50% come for a specific visit, such as shopping or visiting the stalls.²

Research Question and design assignment

"What are the implications of combining a variation of different (public) functions into one building?"

In order to formulate an answer to the main question, sub-questions are formulated, which together provide an answer to the main question. The conceptual subquestions are:

- What is a hybrid building?
- Is it possible to combine loud and silent spaces in one building?
- What are advantages of mixed use / hybrid program in one building?
- What is the impact of a hybrid building for the surrounding area?
- What can we learn from other case studies regarding to hybrid buildings?

Process

Method description

The research will take place by means of a 'field work' and 'graphic and literature analysis'.

Fieldwork

A field research is done on the basis of a location study of Binckhorst. In addition, discussions are held with designers or experts who have common ground with music buildings and the term 'hybrid' or 'mixed use'. In order to approach a problem from multiple perspectives, research is possibly done into the experiences of musicians themselves with regard to music buildings in general and in combination with hybridity. Visual observation is a second way of investigating. This means music buildings or hybrid public buildings approached in reality. The idea behind this is to experience the atmosphere of a space. Visual observation is also important in the Binckhorst area. The positioning in the area is equally important as the function of the building.

Graphic and literature analysis

To properly put the design into perspective, it is important to find case studies that are relevant enough to use when arguing for the design. These case studies are analyzed using both 2D and 3D drawings (and photography). In addition, literature is used that theoretically underpin the propositions and choices in the design. In a literature study the subject is investigated in a theoretical way. Ideologies, concepts and frameworks of architects, philosophers and sociologists can contribute to an extra foundation for choices made during the design phase.

The following terms and topics can contribute: meaning of public space, common space, hybrid use, multifunctionality, target groups and interaction in architecture.

¹ MVRDV Mixed use. 2017. mvrdv.nl/themes/5/mixed-use

² Hans van Tellingen. 2017. Straboby

Q

Methodology

Subquestion 1	What is a hybrid building?			
Method	Desk research			
Measurability	This question will be investigated by means of a desk research. This question can be divided into: - Hybrid in general			
	 Hybrid in general Hybrid in this context Difference between hybrid and mixed use Hybrid programs Flexibility and hybridity 			
Source	The free Dictionary, 50 Hybrid Buildings (book)			

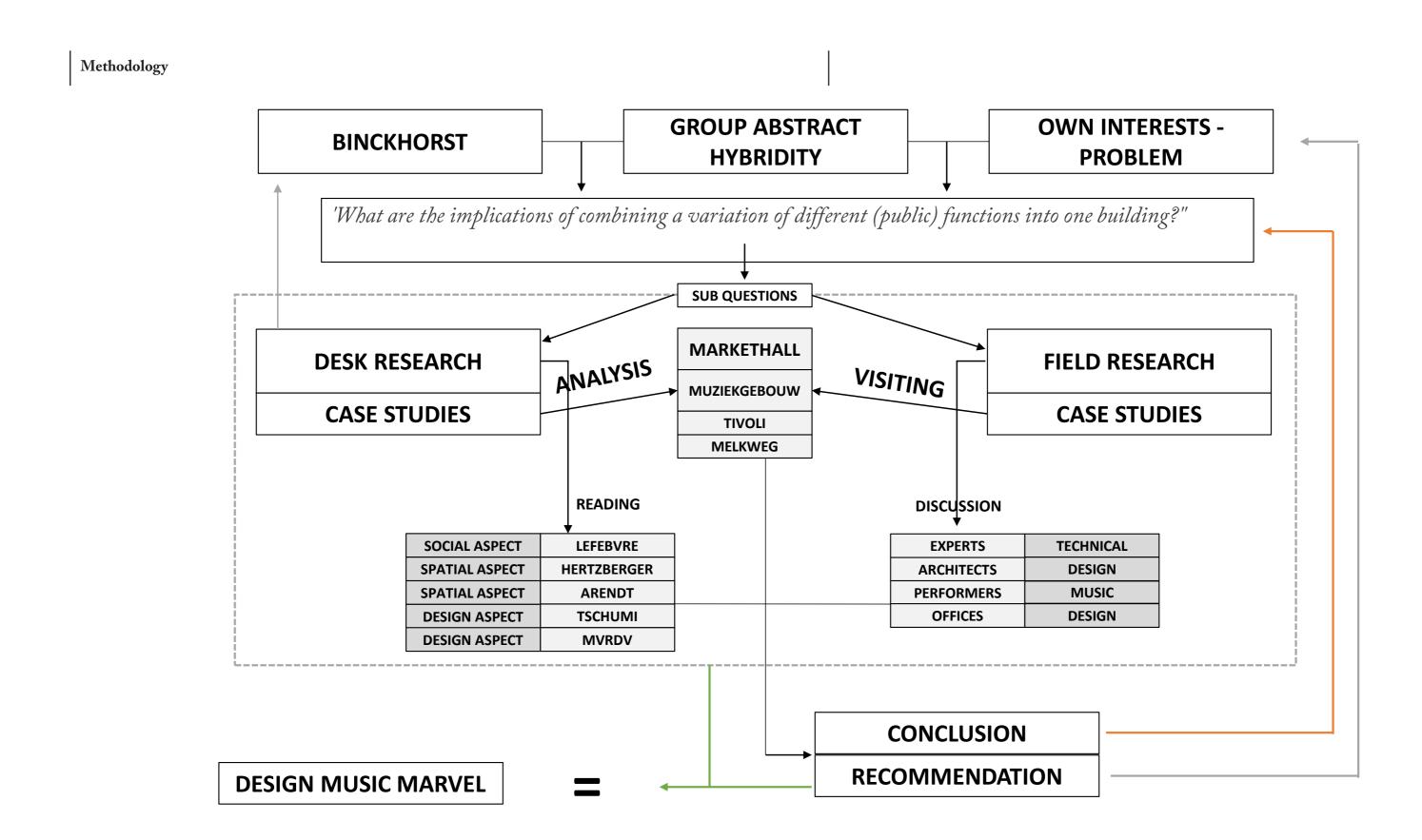
Subquestion 2	Is it possible to combine loud and silence spaces in one building?				
Method	Desk and field research				
Measurability	This question will be investigated by means of a desk and field research. This				
	question can be divided into:				
	- Interviews with experts				
	- Acoustics				
	- Architectural order in program and spaces				
	- Feedback users of existing case studies				
Source	50 Hybrid Buildings (book), Offices, performers, acoustic experts				

Methodology

Subquestion 3	What are advantages of mixed use / hybrid program in one building?
Method	Desk and field research
Measurability	This question will be investigated by means of a desk and field research.
	Discussions are held with the users and designers of mixed use buildings. The
	comparisons and differences are compared with building users who focus on
	one function in a building.
Source	Case studies (to be determined)

Subquestion 4	What is the impact of a hybrid building for the surround area?			
Method	Desk and field research			
Measurability	How does the Binckhorst area best come into its own when a music building			
	is placed? Does this have an effect on the immediate environment? Are there			
	examples that provide a good reflection of the specific choices for a hybrid			
	music (public) building?			
Source	Case studies (to be determined), discussions with experts			

Subquestion 5	What can we learn from other case studies regarding to hybrid buildings?
Method	Desk and field research
Measurability	Any obstacles encountered in previous examples are analyzed, identified and
	possibly tackled from the start in the design phase. This reduces unforeseen
	problems or provides arguments for these problems in an early stage.
Source	Case studies (to be determined), discussions with experts



Reflection and time planning

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Relation between graduation topic, the studio, mastertrack and master programme

The relationship between the graduation research and the master architecture is that by means of the competences learned on the 'MSc Architecture' we are able to form a well-thought-out and reasoned academic reflection by using architecture as a tool on a defined problem statement.

The master studio Public Buildings offers the challenge to use a communal place in society to be able to provide proof through architecture on the written theories that we form in the research plan and to actually implement them on a technical level in practice.

Contribution to the society

Nowadays it is easy to listen to music. Music apps, videos from the internet or live stream concerts. Yet as a society we tend to go to a concert. The trigger to still come together with other people has to do with the experiences and the vibe that is constructed in a certain space. In addition, it is the daytime activity that you plan with people you love. A meal before the concert, a little shopping before the concert and maybe a drink after the concert. Covering all these different public functions in one building is the greatest spiritual or emotional contribution to society. All these activities stress the importance of the shared nature of the experience, the interaction with others, as a source of satisfaction.

In the problem statement, it was pointed out that The Hague is growing and Binckhorst is now starting to move into the center of the city more and more instead of a fringe area. Due to a shortage of housing and a high demand for housing, the Binckhorst area is an optimal area for optimizing the housing market in The Hague. This potential Binckhorst area can first and foremost form an 'icon' for the area with a music building. The area around this building can then be shaped and designed around the eyecatcher of the new site.

A publicly accessible building with events (such as a music building with multiple functions, or a hybrid building) also makes it possible for society to integrate in this area. This creates an interaction between Binckhorst and the rest of The Hague. The multifunctional public buildings will be reviving the area and creating interaction or circulation in Binckhorst. This will both provide an advantage for the municipality of The Hague that has to deal with a housing shortage, and will help the population of the municipality of The Hague spread over several areas of The Hague and will indirectly also benefit for the circulation in the city center and balancing the population in the city.

Week	Planned tasks and work			
2.8	P2 presentation: Graduation plan, theory research, design brief, research and			
	goal and design proposal.			
2.9	Feedback and review from P2 Presentation			
2.10	Further integration of the design on the site			
3.1	Further integration of the design on the site, programmatic placement and			
	interior routing.			
3.2	Study for the form and the surroundings (entrance, street, squares)			
3.3	Analysis for material use and different sustainable and building technology			
	techniques			
3.4	Interior concepts for major programmatic elements			
3.5	Analysis for material use and different sustainable and building technology			
	techniques			
3.6	Elaboration of the floor plans, sections and facades (and perspective), scale			
	1:200 or 1:100.			
3.7	Preparing P3 presentation DD progress Review			
3.8	P3 Presentation: Graduation plan and graduation project			
3.9	Feedback and review from P3 Presentation			
3.10	Fix position and dimensions of public and collective spaces			
4.1	design development from P3 in more detail from scale 1: 100/50 to 1:20/5			
4.2	Visualization studies of important elements scale 1:20/10/5 and starting			
	translation of the design manifesto into a project description			
4.3	Translation of the Design Manifesto of MSc3 into a project description text			
	with storyline and concept clarification diagrams. Preparation of the final			
	presentation (concept, pre-editing)			
4.4	Preparation of the final presentation, concept and pre-editing			
4.5	P4 presentation: Elaborated Design, graduation project and reflection			
4.6	Feedback and review from P4 Presentation			
4.7	Building physical model (presentation P5)			
4.8	Finishing physical model and preparing presentation P5			
4.9	P5 Final presentation			
4.10	P5 Final presentation			

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Literature and general practical reference

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Michael Morgan. (2007). Festival Spaces and the visitor experiences

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B. Design manifesto

Design manifesto

Abstract

The Binckhorst area is located close to the city centre of the Hague and currently has a mainly industrial function. Bigger cities in the Netherlands usually locate these industrial areas at the edge of the city to use the space in the heart for living, commerce and retail. Instead of relocating this function, the city grew around Binckhorst over the years. With the Hague continuing to grow in size the Binckhorst is not at the edge of the city anymore, and due to the strategic location of the area opportunities arise that can be utilized if the city wants to continue on growing. This explains the vision for the city of the Hague to densify the area and include more housing, to tackle the housing shortage and shortage of public buildings, like a hybrid concert hall (accommodating different functions in one building).

Binckhorst is being transformed for this purpose. To make an area attractive to people, this includes activities that people can do together that is accessible to everyone. The optimal way to make the Binckhorst more diverse is a music building with a hybrid function from my perspective. The aim is to conduct a research in which Brinckhorst is transformed into a dense area, but keep the practical function, which is attractive for both living and working This means that it consists not only functions as a music building but has multiple purposes, for example for retail, office or study and practice. This means that the music building is an attraction for all people in The Hague and is also the guideline or filter to make the rest of Binckhorst attractive. The building, which is intended for everyone and different functions, acts as a suction for the people in the city center and in turn causes a discharge over the rest of Binckhorst.

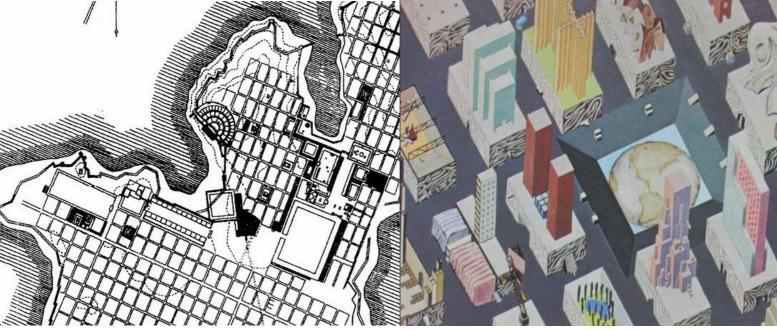
The Egg of Columbus

According to Koolhaas, beneath the surface buildings in New York had the same ideological ambitions as their european counterparts. In Manhatten they lived 'incognito', they coexisted with the grid without interfering with each other. Therefore the grid of Manhattan can be the basis for a a new vision of architecture. This idea was shared by other contemporary architecture offices.

In the design for the Manhattan coastline, Elia and Zoe Zenghelis base their vision on Columbus, who set out to discover area with a boat full of madmen. This madness has now taken shape and endured in the design of the city. The Egg of Columbus explores the possibility of applying this vision to a part of the East Coast. The grid provides a means for this madness to express itself, withing the confines of a system

The raft of Medusa on the right represents the survivors stemming from the chaos of the avant-garde culture in Europe, which symbolizes the impasse towards which architecture was heading. The castaways catch sight of New York and its grid system, which is their rescue. The raft is pictured as a single block.





What to do with New York, Elia Zenghelis, Zoe Zenghelis, Rem Koolhaas, 1972

important topics for the Binckhorst, we want to incorporate this into the site. Instead of madness, we propose to get different artists and creative industries into the area. And allow them to express their creativity, within the confines of a plot. There they can do what they want with the area without interfering others. Our group name on the balloon stands for the creative individuals introduced by our plan, who have a hard time finding good working conditions elsewhere in the city, and come into the binckhorst to find a place for their creativity.

So based on this philosophy we've made our own Egg of columbus. Since we think culture and creativity are

Miletus 5th century b.c, Armin von Gerkan, 1924

The city in the city

According to Koolhaas, the archipelago concept offers 'a blueprint' for a theory of the European metropolis', because it addresses the tension between the historical centers, usually seen as the domain par excellence of traditional public spaces, and the larger, more fragmented metropolitan fields around it.

City in a City concept

The idea of the map of Berlin with the 'icons' is actually the fact that pieces of the city have been analysed. Here is a piece of the building structure. This statue is linked in its form to another iconic city. And with this you get the city in the city concept. To further explain this, an area in Berlin is included below, namely Kreuzberg. This area resembles the building structure of Manhattan's Central Park in shape. In other words, you get a small island that together with all these icons form the archipelago. Can we also translate this concept to the Binckhorst?





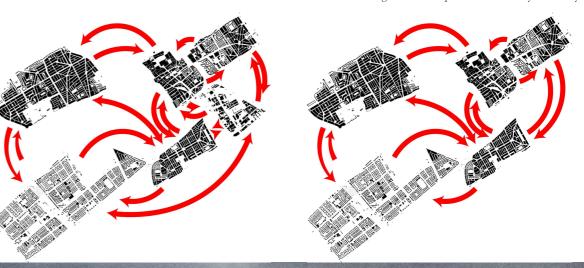








Own design of the interpetation of 'The city in the city' in Binckhorst





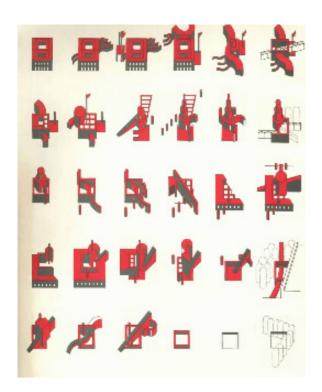
"the remaining fabric of the city would be allowed to deteriorate and turn slowly into nature."



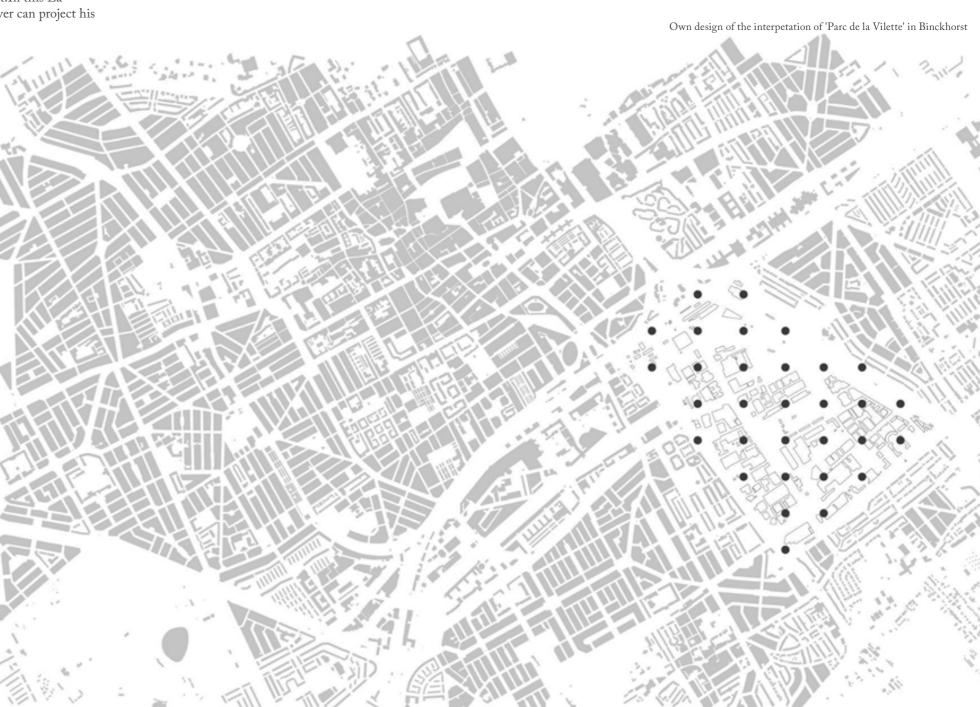
Parc de la Vilette

The Parc the la Villette is the result of a competition entry organized by the French government in 1982. The objective was to mark the vision of an era and act upon the future economic and cultural development of a key area in Paris. The area contained the Museum of Science and industry, a concert hall, and a Grande Hall for exhibitions.

Tschumi's ideal with the park was to aim at an architecture that means nothing. This comes forward from the idea that the term "Park", like "architecture", "science" and "literature" have lost all meaning. According to Tschumi, at the end of the 20th century, the relation between Form and Function became less and less. Therefore the Park's architecture refuses to operate ass the expression of pre-existing content. In this La Villete moves towards interpretive infinity, where there is no absolute truth, and each observer can project his own interpretation of the park.



Bernard Tschumi, Parc de la Vilette: Cinegramme Folié, 1983



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Own design of the interpetation of 'Parc de la Vilette' in Binckhorst

Parc de la Vilette

Binckhorst, as well as the areas around it, are shaped in a very natural way. Laying the grid over it is unnatural. When working on a building or a certain area, we always take the context of such an assignment into account, the grid is anti-contextual. The area already has specific functions assigned and will change functions in the future, but the grid is something that stand completely separated from this. And of course our site has boundaries, physical boundaries as well as political boundaries. The area is shaped by the roads, rail and waterways that surround it. The grid is now fitted into these boundaries, but it has no boundaries, the grid can be superimposed on the level of the whole city.

NIEUW BINCKHORST 1:1

The analogous city

"What matters to me is to restate the sense of freedom of the things we do; a freedom which is all the greater when tied by concrete truth or when it springs creatively from it. Thus to measure one's own projects and other people's within a single main project is, I think, an important thing to do today" - **Aldo Rossi, 1975**

Own design of the interpetation of 'The analogous city' in Binckhorst



I wanted to reflect back upon our concept of focussed vision versus peripheral vision in the Binckhorst, in relation to Rossi's manifesto. When focussed, the tiniest object can transfer meaning onto a space, and together with the space, a new analogous meaning appears. During our walk through the Binckhorst, something as simple as a chicken became te meaning to us of a whole place. While looking at the site in a peripheral manner, all the elements surrounding you contribute to a meaning of the space. These can be objects both far away and surrounding you. For example the birds flying over, a highway far away, but also the grass, street or buildings directly around you



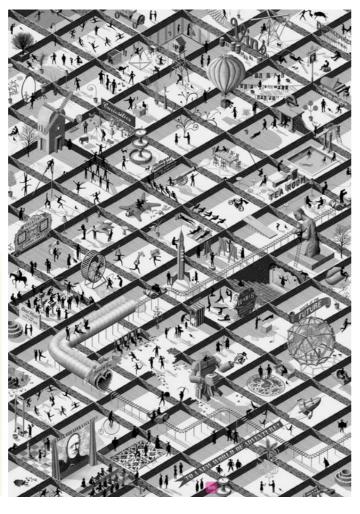
City of the captive globe

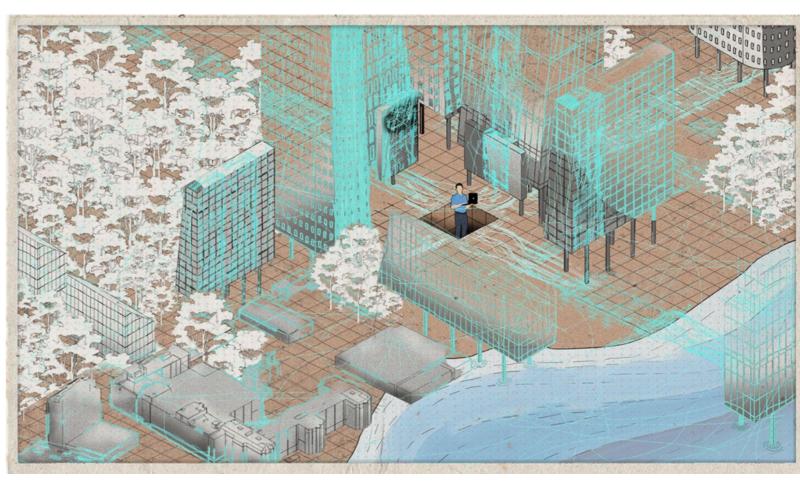
The manifesto of city of the captive globe made by Madelon Vriesendorp and Rem Koolhaas focusses on the following points:

- Focus on New York's urban fabric, relentlessly uniform grid that paradoxically supports many functions and desires
- The work is a metaphor for Manhattans status as an 'enormous incubator of the world'
- Rem Koolhaas quotes that "this drawing celebrates Manhattans culture of congestion"
- Each block is depicted as a stone plinth that is a city within itself
- Each block holds its own set of values many from the avant garde movement
- All these institutions and their ideologies are incubators of the world itself, they breed new life for the globe, which is held captive in the centre.
- The metaphor proposes an urban model in which unity accommodates heterogeneity









Virtual grid - incubator of the modern mind New human perception of space with digital influence City segregation according to the modern human mind Experience is a hybrid product of memory and virtual interpretation Ever-changing mind is ever-changing city

B. Theory Research

Empathy diagram

SEE (image)

HEAR (sound)

SMELL

IMPRESSION, COLOR, LIGHT

- -Shades of grey and brown
- -Sunlight everywhere
- -Matte materials
- -pieces of green between materials
- -Bright and shiny use-objects contrasting with grey and matte surroundings
- -Shades of green and yellow -Blue and grey
- -Water reflections

OBJECTS, AMBIENCE, SPEECH

Trucks

Construction sounds

Voices

Car noise

Vehicle sounds on the bg

Species diving into the water

Rusty metals (flag mast)

Chirping birds Crickets

Clamouring

Wind running through the trees

Boats going past Reverberation

Echo

SUBTITLE

-Freshly mown grass

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- -Exhaust gasses
- -Garbage
- -Petrol
- -Food
- -Flowers and plants -Burnt rubber
- -Motor Oil -Iron

THINK FEEL

SENSATIONS

- -Heat radiating from the stones, it was a warm and sunny day during the visit
- -Breeze of the wind, low speed, perfect to cool of a
- -Tall grass running across ankles
- -Heat coming from an AC unit, that very dense air without any oxygen in it.
- -Blowing air from fan
- -Water flowing through hands
- -Leaves running across hands
- -Sand blowing on skin, blown into the air from the street by verhicles. Closing the eyes to not get it in my contact lenses.
- Feeling relax walking around, taking pictures here and there, being around other students in the first week of uni and not knowing the stress of the assignments to come.

TEXTURES

- -Gaps between bricks
- -Smooth metal
- -Pavement tiles underneath feet
- -Smooth concrete
- -Porous Rubber
- -Hard rubber
- -Weathered steel
- -Smooth glass

- -Baked bricks relief
- -Hard wooden surface
- -Relief in wooden panels
- -Rough concrete
- -Bumpy soil and grass

- -Dock wood
- -Hard plastic

THOUGHTS THAT CROSS OUR MIND

- -Everywhere I look there is only industry. Not a bad thing, but placing a concert hall here feels weird
- -This area could use more trees, there is hardly any shade or well kept grass to use.
- -Some of this heritage has value because otherwise they wouldn't have transformed the cabalero factory into something else.
- -There's a big contrast between the
- new and the old
- -It takes effort to cross the area, there are no bike paths, no crossings for people walking and the
- vehicles drive very fast here. -There is a lot of rubble here
- -Many areas are inaccesible,
- I wish I could go there
- -This area looks grim, lots of buildings are in a bad state or closed of and look like they are ready to be demolished. There are also not a lot of people there, which doesn't help with the feeling of safety.

DO

SUBTITLE		
Cycle Walk Listen Stop Stand Take photos Talk Drink Ride	Wonder Enjoy Cross Evade Use Experiment Ask Grab Touch	Enter Leave Focus Ignore Sketch Party Wait Pour

Theory Research

I wish, I like, I wonder & What if diagram

	Daphne	Bart	Hakkican	Dimitrije
I like	I like the old factories in the area. They give it a historical touch and character. It feels like leftovers from history. Most of them are made of brick in different colours, not too bright, mostly brown, yellow, red or grey, but the nicest part are the stained glass windows . They are unique. An employee from the municipality showed images of what the area is going to look like in the future . I liked those plans. It looked like a much safer and healthier place to be.	I like the grimness of the old factory buildings in the area. These poorly maintained crumbling buildings give a certain sense of satisfaction because they're the opposite of the perfect, clean, cheerful and carefully shaped cityscapes that you see nowadays. Buildings like this show what happens when we for whatever reason don't intervene in the built space for some time, and remind me of places with complex histories like Berlin	I like the silence in the area. The mix between the daily activities (such as passing trucks and sounds from the factory) mixed with the sound of the water hitting the quay and the crickets in the background. Compared to the rest of the city, this area is significantly reduced in people. There are only people who are here for a purpose or people who enjoy themselves in one of the rented garages that has been converted into a resting place.	l like tinettilij littylijskiblikace dan p ikilijskeiptiblijskiptiskished ea of the new master plan
I wish	I wish there was more greenery in the area. There are a few lost trees here and there, but mostly it's concrete and weeds. It would be much nicer if there were patches of grass to sit or walk on and lots of big trees. They make me feel happier and lots of them together make the air smell nice.	I wish there were more trees in the area. Except for the occasional tree here and there nothing can be found except small patches of unmaintained green. Trees are usually the finishing touch on the streetscape, and without them everything looks bare. Trees also contribute to wellbeing and the air quality. Everything looks like an unfinished field without the trees here.	ice cream cone. The beautiful but especially	i wish th lagalata a thiridi egner Spithfulljeeftames tik ec tn is be done
I wonder	If everything goes as the municipality has planned would I think about living here. Could I have a car or would that not be allowed in the area. Will there be places for me to walk my future dog or to go outside. Will there be a place to swim when it's hot out or will it just be for boats. Will it still be noisy from the factories or will they be gone, or will we all have super good insulation?	Seeing what the area looks like now, and knowing what plans they have for it in the future, I wonder what the area will look like in 20 years. One of the charms of the built landscape is that it's constantly changing and evolving, and this can go quite fast. When walking through the area I envision the things that could be around me in the future, and question myself whether all the plans will be fulfilled	Due to its industrial function, the area has been neglected in certain places. The area is uninhabited and people who come here come to work or do business, so the area is	l wonder fræksisksisksiskses Griffenskisksisksisksiskses befræksisksisksiskses lidæsuistifrækennented
What if	what if this whole area would just be park? Or a festival place just like the Westergasfabriek in Amsterdam. Or what if we would build around it and have a park just like Central Park.	I question myself what would happen if money wasn't an issue. How would the area take shape then. This could range from things we already know the municipality would like, such as a lot of bridges and connections, to things we can't even think off as of yet. Another thing that comes to mind is the raised tramway, which I think is one of the objects that is gonna be cut first as budget overruns happen.	What if everything was normal? The definition of 'normal' has changed for me (and the rest of society) in the past 2 years. Doing something fun together in large groups is the definition of 'normal' for me. What if we could go back to how it was, we could also use the area as a picnic area? Or as an open concert place? Where everyone can drink and eat something together, without being afraid of a disease	What if tilledichlandföllings ed Graffssites (Deplissi tes

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Project Abstract, Diagrams & Notation

FEEL THINK Bridging the gap between experiencing and thinking THOUGHTS THAT CROSS OUR MIND -What do **you** feel when hearing these sounds? -Everywhere I look there is only industry. Not a bad thing, but placing a concert hall here feels weird -Baked bricks relief -Heat radiating from the stones, it was a warm and sunny day during the visit
-Breeze of the wind, low speed, perfect to cool of a -Gaps between bricks -Can you feel the sounds in front of you? Hard wooden surface -This area could use more trees, there is hardly any -Relief in wooden panels shade or well kept grass to use. -<u>Tall grass</u> running across ankles -Heat coming from an AC unit, that very dense air **BINCKHORST** -Some of this heritage has value because otherwise they wouldn't have transformed the cabalero -Pavement tiles und without any oxygen in it. -Blowing air from fan -Rough concrete -Smooth concrete factory into something else. -Water flowing through hands -Bumpy soil and grass -There's a big contrast between the -Leaves running across hands
-Sand blowing on skin, blown into the air from
the street by verhicles. Closing the eyes to not get
it in my contact lenses. -Porous Rubber -It takes effort to cross the area, there are no bike paths, no crossings for people walking and the -Hard rubber -Weathered steel vehicles drive very fast here.
-There is a lot of rubble here -Dock wood Feeling relax walking around, taking pictures here and there, being around other students in the first week of uni and not knowing the stress of the



Week 1 Audio presentation

HEAR (sound) OBJECTS, AMBIENCE, SPEECH

Construction sounds Voices Vehicle sounds on the bg Species diving into the water Rusty metals (flag mast) Chirping birds

Crickets Clamouring Wind running through the trees Boats going past Reverberation

SMELL SUBTITLE -Freshly mown grass -Exhaust gasses

-Garbage -Food -Flowers and plants -Burnt rubber -Motor Oil



-Hard plastic





I wish I could go there -This area looks grim, lots of buildings are in a bad

state or closed of and look like they are ready to be demolished. There are also not a lot of people

-Many areas are inaccesible,















Dividing 'SEE' & 'HEAR' in Natural world & Valorized world?

SEE (image)

IMPRESSION, COLOR, LIGHT

-pieces of green between materials

with grey and matte surroundings

-Shades of green and yellow

-Bright and shiny use-objects contrasting

-Shades of grey and brown -Sunlight everywhere

-Matte materials

-Blue and grey -Water reflections



Valorised world



Sound Palette



INDUSTRIAL



Color Palette























Cycle movement







Speed of the movement through the site

 Fast movement - Flowing traffic Slow movement - Exploring the area

Slow/stop movement - Taking photo's or sitting on benches

High activity

Amount of (human) activity - hotspots

Medium activity Low activity/abandoned

Natural world

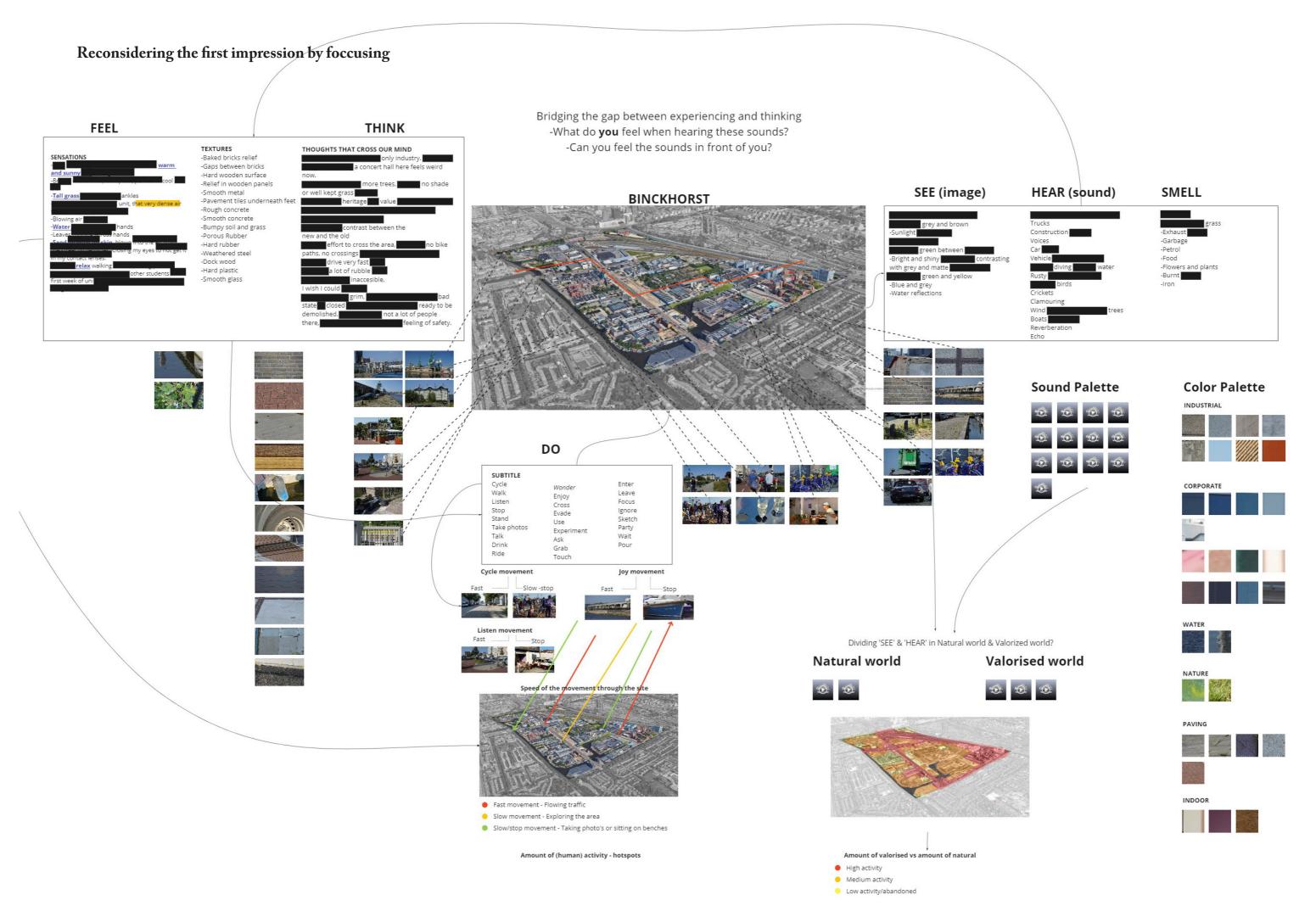


SENSATIONS

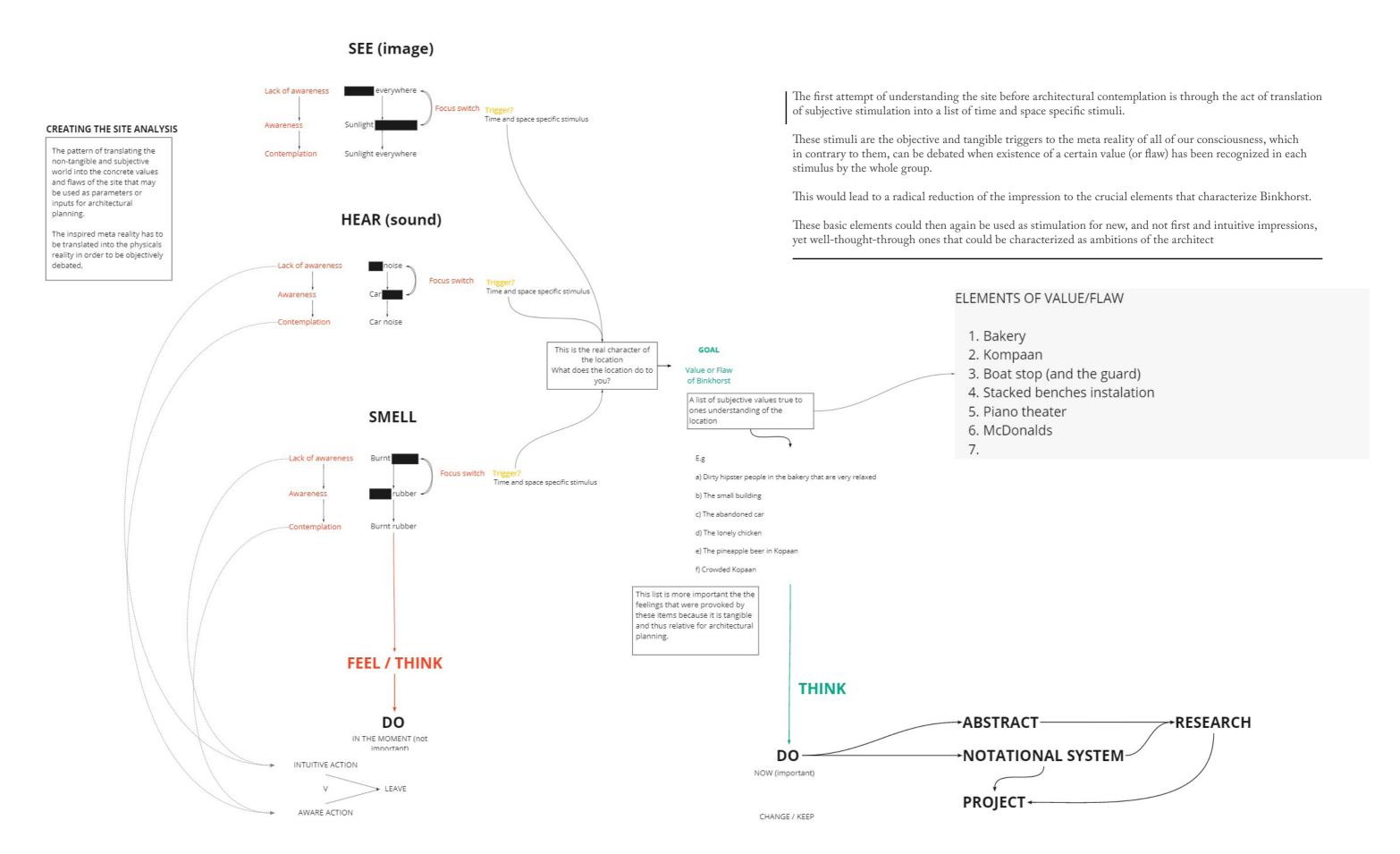
assignments to come.







Reconsidering the first impression by foccusing



The concept of the notational system

A chessboard in itself is already somewhat of a notational system. The board is made up of 8x8 squares. Every square represents a position that a piece can be in. The icons is the notational system are the chess pieces itself. Behind the board and pieces is a carefully thought out rule system. Every piece of every color has only a certain way it can move. There can only be one piece on the same square at a time. So when pieces cross each other on the same square there are rules for this is as well. Depending on the board conditions, one piece defeats the other, always in the same manner set by the rules. Therefore it can be said that all the pieces, moves and squares, within the conditions of the current game board, only have a single meaning. This is one of Goodman's (1976) conditions for a notational system.

In a still chessboard, the only factor that to an extent is missing is time. The positions of the pieces however tell you what can and can't happen in the future. Therefore the still board itself is an indicator of the ever widening directions the game can go in.

When a complementary system documenting all the moves is introduced, the factor of time is added, and the system becomes a fully notational system. When every move in the game is documented. the state of the game can be recovered for every moment. This is what Goodman(1976) calls the recovery of a score. The Identity of work and of score is retained in the steps of the game.

Option 1

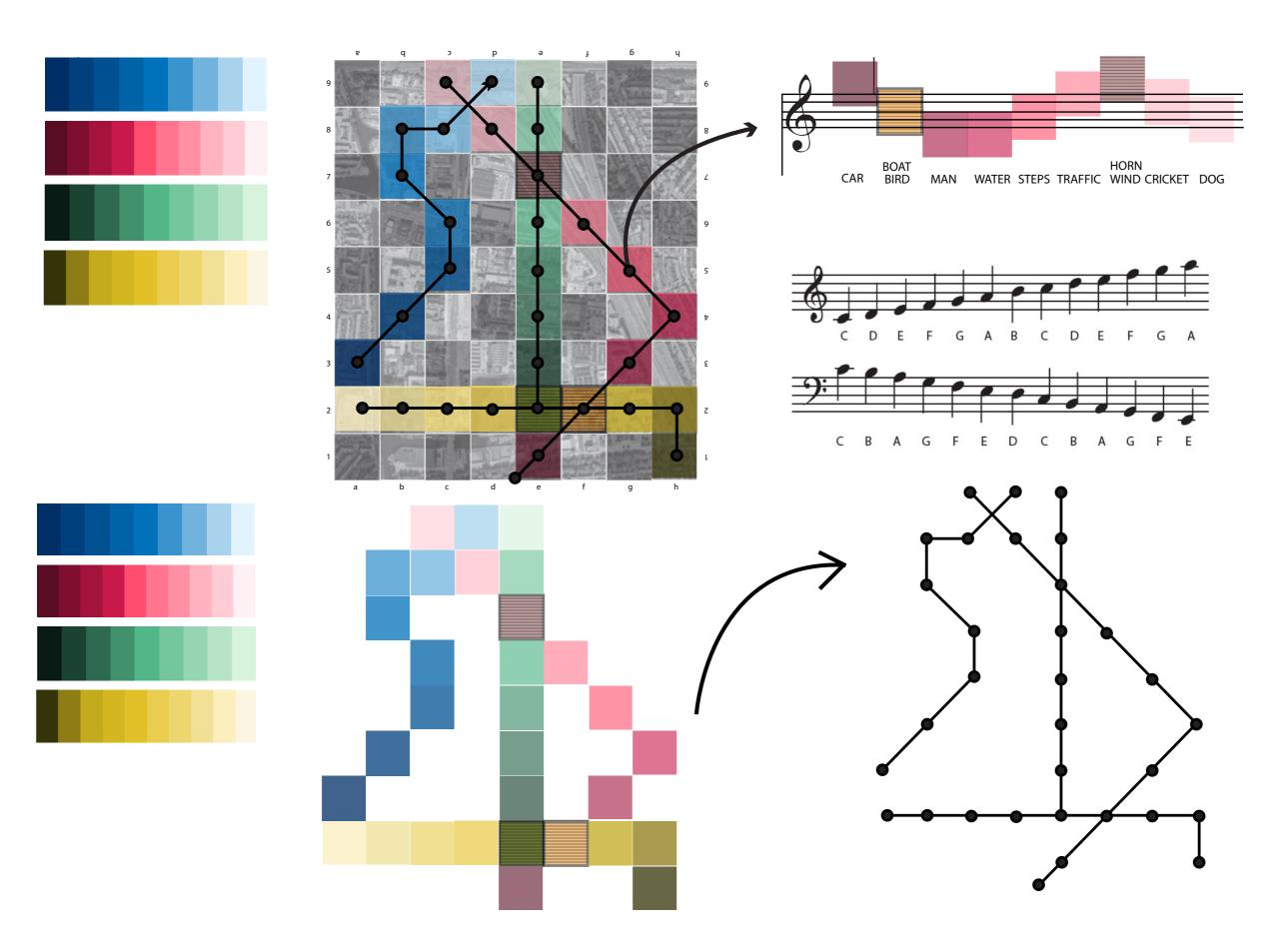
Whites		Blacks		
King	Residential towers	King	Current monuments	
Queen	Concert hall	Queen	Industry	
Rooks	Small housing blocks	Rooks	Corporate offices	
Bishop	Public buildings and services	Bishop	Utility	
Knight	Culture	Knight	reparation and service businesses	
Pawn	Greenery	Pawn	Cars	

The rules

- Different starting positions, relative to positions of items in the real area
- Notation system focusses on the conflict between old and new elements or capitalism/gentrification vs idealism. And what it delivers
- Different moves made give a different score, which is decisive for the outcome of the game. Table with moves/pieces giving certain scores. e.g. Car defeats a tree = 1 point and concert hall defeats car = 5 points
- Notation system is not the square to which a piece moves, but the encounters of pieces with other pieces

PLAYERS defeated>	KING	QUEEN	ROOK	BISHOP	KNIGHT	PAWN
KING	10	9	8	7	6	5
QUEEN	10	9	8	7	6	5
ROOK	10	8	7	6	5	4
BISHOP	10	7	6	5	4	3
KNIGHT	10	6	5	4	3	2
PAWN	10	5	4	3	2	1

Option 2 - Each player has its own colour



- Average chess game 40 move.
- Make for example diagram for each 20 moves, if the game escalates further, add one to the right.

43

- Add icons for pieces hitting other piecesColor opacity or color transition for moment in the game in which the move was made

45

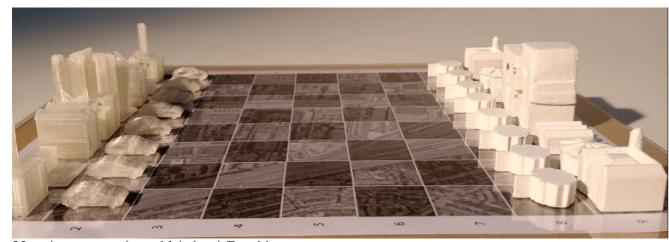
Realisation of the chess board







The Binckhorst map as underlayer for board



New (transparant) vs old (white) Binckhorst



Situation after playing a game



Future parts of Binckhorst as players

C. Design Brief

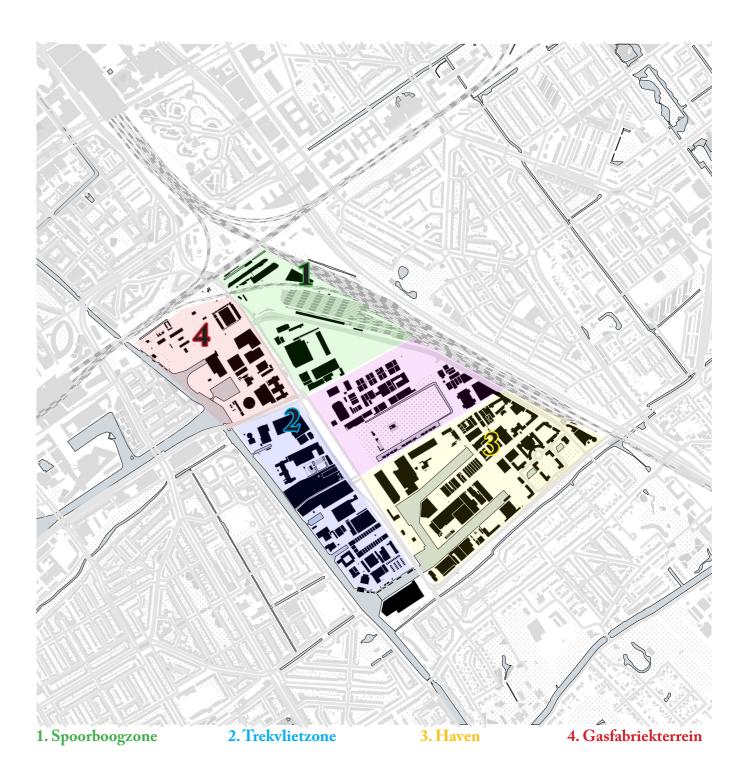
Design Brief

I	Netto m2	Audience	Net Area	Gross Area
Venue Small hall Medium hall Medium hall concertspace: Backstage Sidestage	2000 4000 4500 500 150	300 1500 1500		
Dressing rooms medium Balcony Crew area	200 150			
Audience access Entrance/foyer Cafe/bar Wardrobe Cassier	200 100 50	40		
Public access Library Foodcourt Restaurant Study spaces	500 50 400 15x5	75 100 3x5		
Dedicated access Artist entrance Practice rooms Recording studio Kitchen	150 50x2 25x2 100	50 15x2 5x2 25		
Semi public access Fitness Yoga Offices Meeting space Catering	150 50 30x3 15x4 25	50 10 6x3 3x4 5		

D1. Process documentation

Process documentation

Urban context



Process documentation

Textual observations and findings

1. Spoorboogzone - The future of the Spoorboogzone is not as elaborate as the other zones in the Binckhorst. There are no plans for additional buildings in this zone.

The Binckhorst in general have many boundaries, but in the Spoorboogzone the most defining boundary is the railway/railyard. This railway is surrounded by fences to keep the general public out.

The public transportation in the Spoorboogzone and the Binckhorst is limited to a busline. This bus has one stop in the Spoorboogzone. The downside of this plot is its proximity to the railway/railyard and it's noise pollution.

2. Trekvlietzone – The area is **not significant in its greenery**. Most of the trees date to the period **before a significant urban plan** or have been recently grown by landlords.

It is very easy and fast to travel through this area thanks to good and logical connection both by foot and by public transport.

The public transportation in the Spoorboogzone and the Binckhorst is limited to a busline. This bus has one stop in the Spoorboogzone.

The downside of this plot is its proximity to the railway/railyard and it's noise pollution

3. Haven – The binckhorst haven is a vibrant area where there is a high mix of program. Because of the restaurant/bar and the residential area this area is mostly used in the afternoon and evening.

At various locations bicycle bridges will be placed over the water to improve the connection with the surrounding area. The waterfront will also be accessible for the general public.

The public transportation in the Haven and the Binckhorst is limited to a busline. This bus has 4 stops in the Haven.

4. Gasfabriekterrein - the character of the site is dominated by its inpermeability caused by a lack of public space and a multitude of restricted and fences areas.

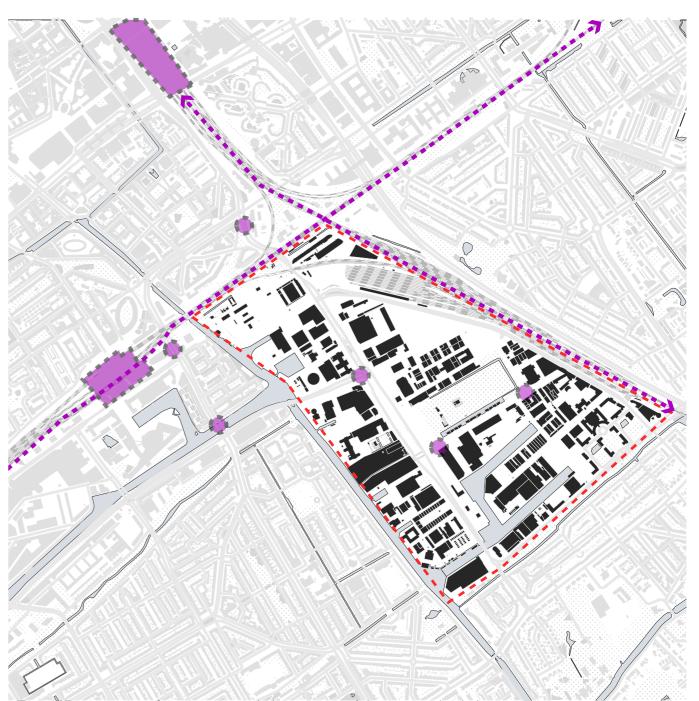
The future developments will be implemented alongside the Binckhorstlaan with the integration of a public plint.

In the planned development for the gasterrein a park is envisioned where at least 60% of the area remains unbuilt. The built up area will be implemented alongside the Binckhorstlaan.

Due to soil contamination the gasfabriekterrein is only partly suitable for building development. Therefore a waterfrontpark alongside the trekvliet has been envisioned where only 60% of the area will be built.

Process documentation

City



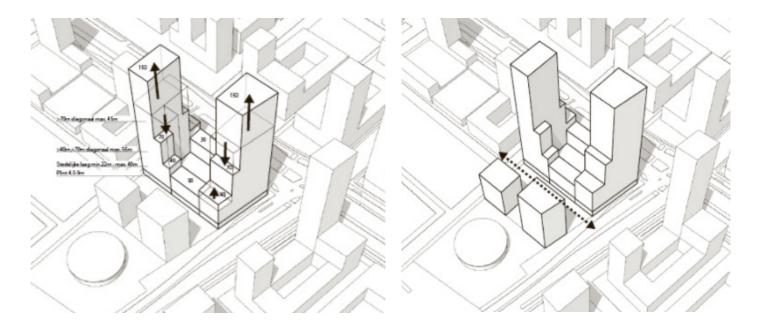
Den Haag central station: 1,7 kilometers - 15 minutes by bike Den Haag HS station: 1,4 kilometers - 9 minutes by bike

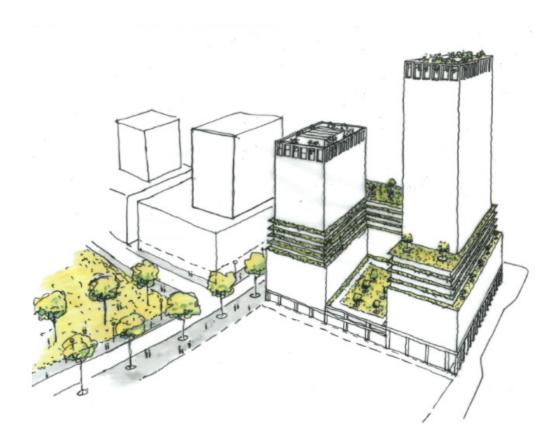
Future plans in Gasfabriekterrein





Future plans in Gasfabriekterrein

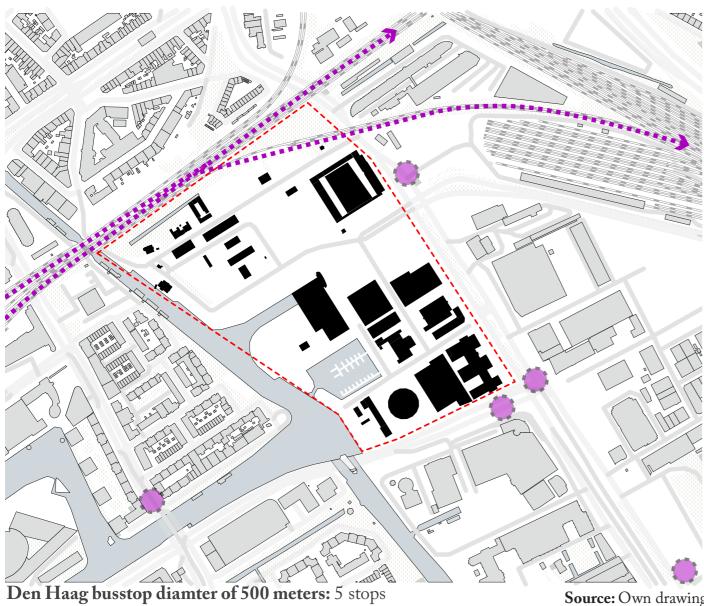




Source: Own drawing Source: OZarchitects

Process documentation

Train and bus

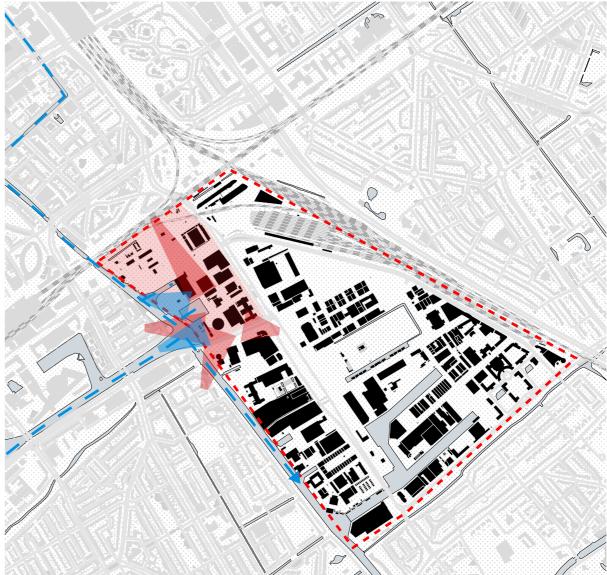


Source: Own drawing

Process documentation

City - Sightlines

Sightlines on the site (potential spot for building)



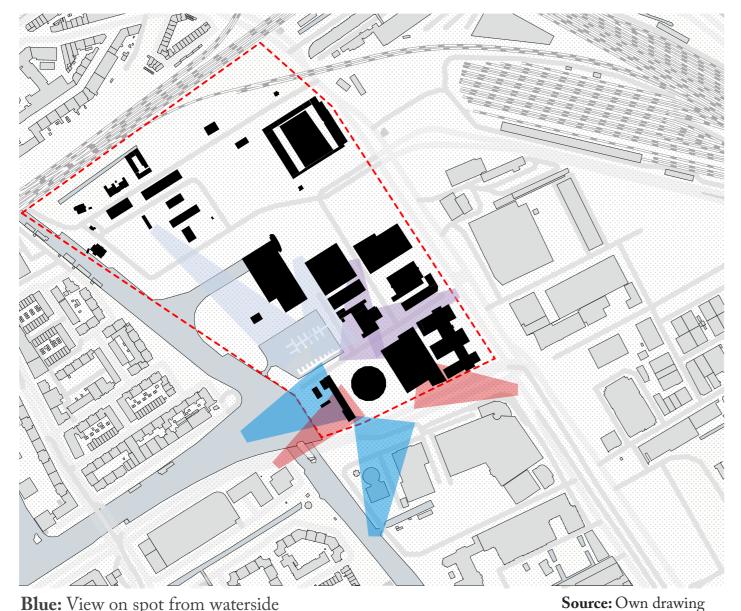
Blue: View on spot from waterside

Red: View on spot from roadside

Purple: View on spot from bicycle road Blue: View on spot from pedestrian road Source: Own drawing

Process documentation

City - Sightlines Gasfabriekterrein

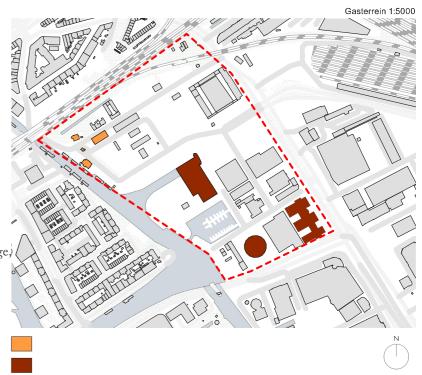


Blue: View on spot from waterside

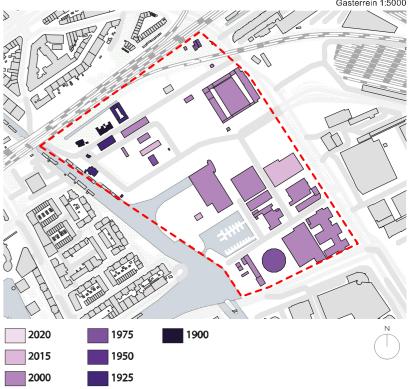
Red: View on spot from roadside Purple: View on spot from bicycle road Blue: View on spot from pedestrian road

History

Preserved industrial buildings of the Second Municipal Gas Factory were designed by the municipal architect AA Schadeebuilt in 1905-1907 in 'overgangsarchitectuur' style. The entrance with porter's lodge, the office, and a factory hall of the formerly large complex have been preserved. At the front of the porter's lodge, there is a tile panel with the words "Gemeente Gasfabriek" inscribed with bricks.



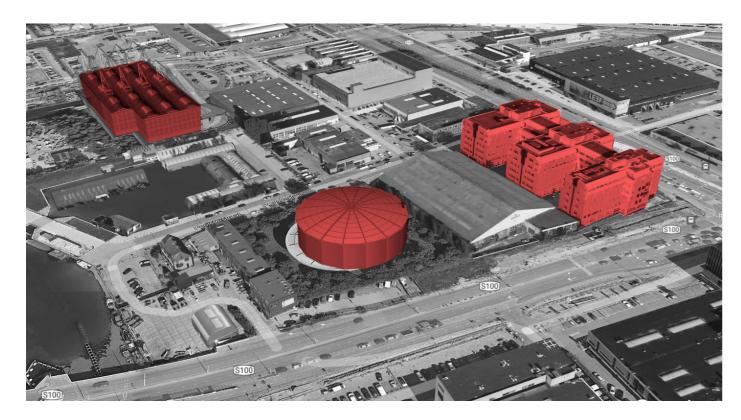
The gasfactory grew in size throughout the 20th century to accomodate chemical refineries. After the discovery of the natural gas reserves in Groningen in 1960, The Municipal Gasfactories where forced to close after a nationwide transition to natural gas. Most former buildings of the factory dissapeared alongside the train tracks that desserved the site. However some office buildings were preserved and remain to this day as monuments.



Source: PB Booklet

History

Most buildings in the contemporary gasterrein date from after the closure of the factory. The remaining monuments are found alongside the trekvlietplein. The wastetreatment building was built around 2000.



Urban context

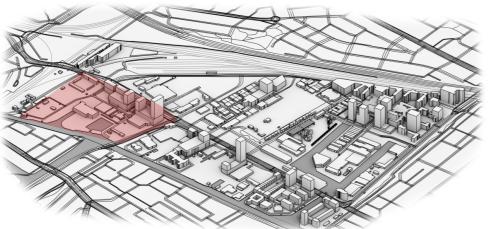


Source: Own drawing

Source: Own drawing

Gasfabriekterrein in Binckhorst





Silo in Binckhorst



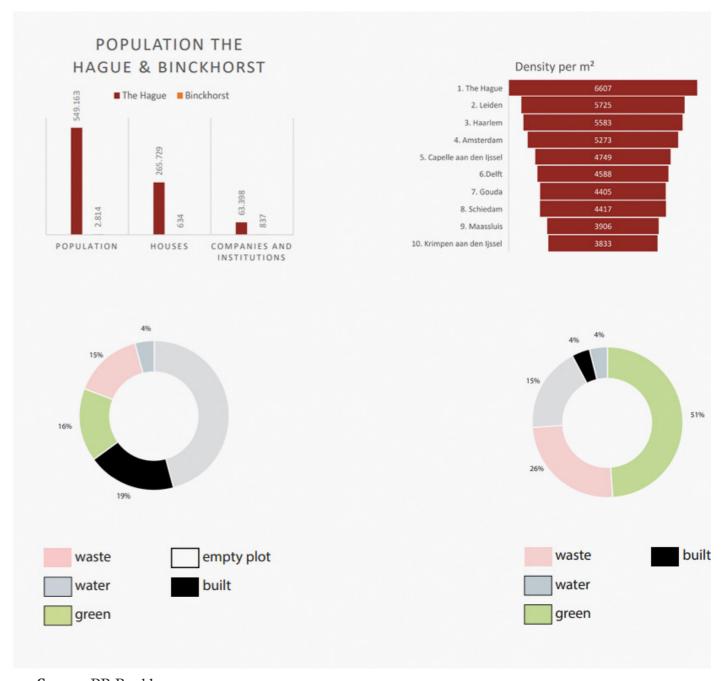
The silo is not in sight and doesn't fit in the future form of gasfabriekterrein. The industrial atmosphere is changing in the site

Westergasfabriek in Amsterdam



Westergasfabriek is in a monument and the facade is worth to preserve, this is not the case in gasfabriekterrein.

Population

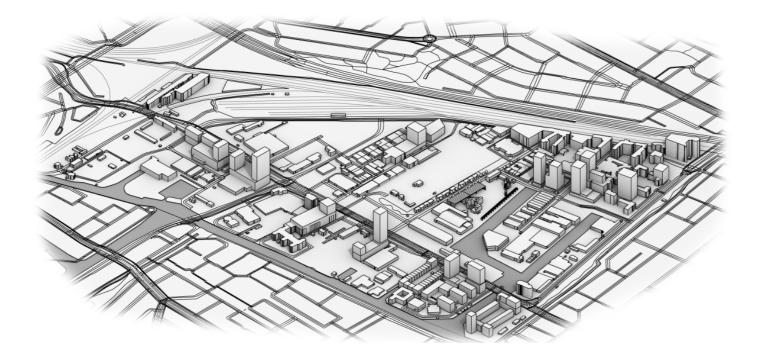


Source: PB Booklet

Problem in the city

With the Hague continuing to grow in size the Binckhorst is not at the edge of the city anymore. Due to the strategic location of the area opportunities arise that can be utilized if the city wants to continue on growing. This explains the vision for the city of the Hague to densify the area and include more housing, to tackle the housing shortage and shortage of public buildings, like our hybrid concert hall, the municipality also wants to ensure that the current companies can stay in the Binckhorst, as they have been attached to the area for long and the municipality finds it unethical to move them out. At the same time the municipality is trying to transform the area into a safe, green and car-mellow environment.

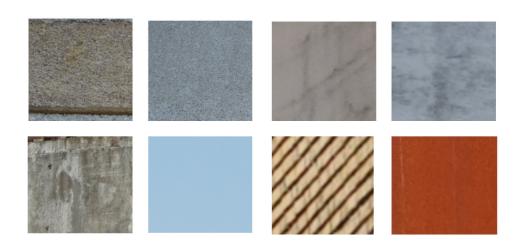
- Source: Lex De Jonge. 2021. AD: Hoe Den Haag in een diepe wooncrisis verzeild raakte



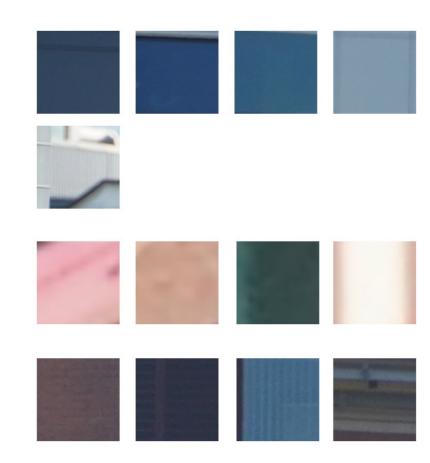
Source: Own drawing

Color palette of Gasfabriekterrein

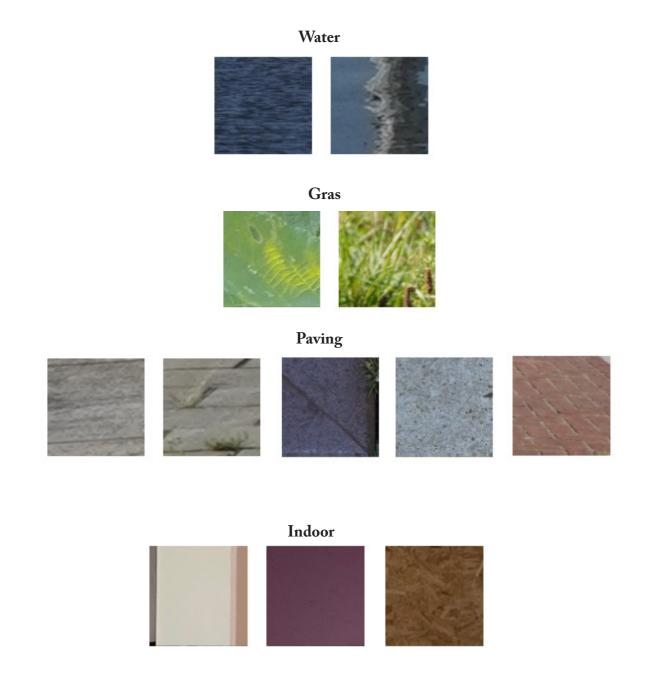
Industrial



Corporate



Color palette of Gasfabriekterrein



Own pictures of Binckhorst









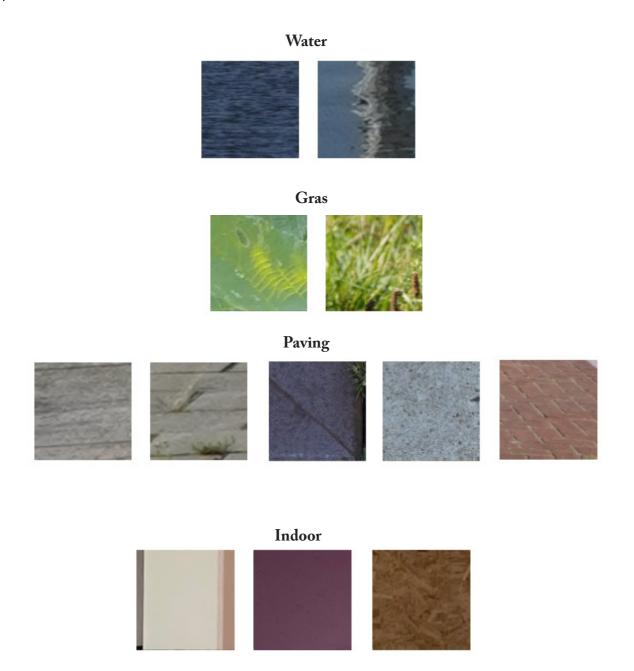






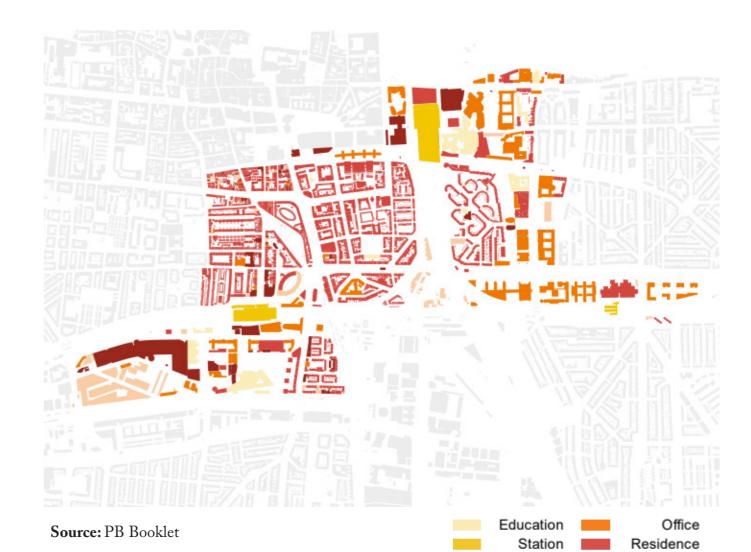


Color palette of Gasfabriekterrein



Functions in CID

Lack of amenities for cultural and commerce events in CID



Industry

Commerce

Why?

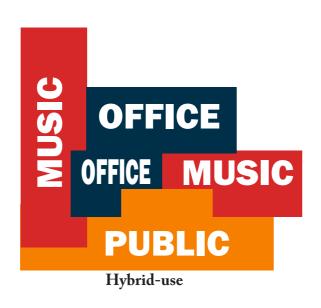
Difference between hybrid and mixed-use

To first create clarity about hybridity, the distinction between hybrid and mixed use is first explained by means of these diagrams:

I think that restrictions lead to different approaches. Would it be possible to adapt a building in such a way that the building is not just a music building, but has a mixed character and can possibly be used for other purposes and functions. The definition of 'hybrid' in this context therefore means: a mixture of different functions resulting from a collaboration of different elements.

OFFICE MUSIC PUBLIC

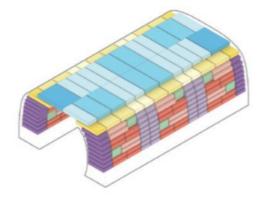
mixed-use

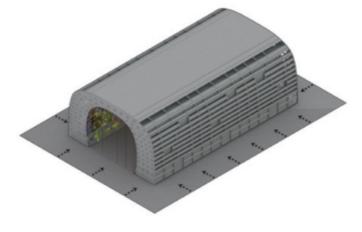


Why?

The largest 'hybrid public building' in the Netherlands, is the 'Market Hall' in Rotterdam. Designed by MVRDV.

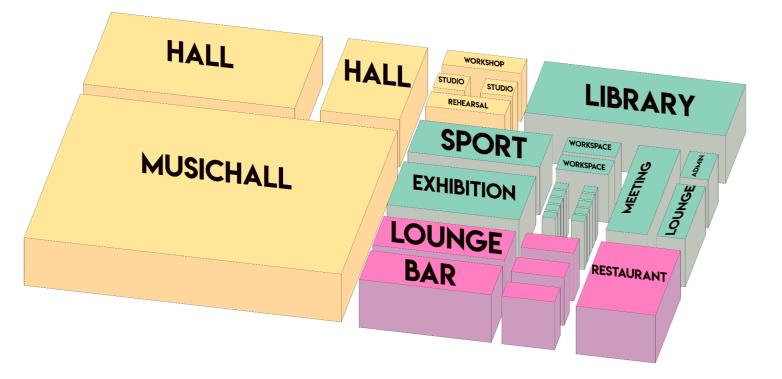
According to the research by Strabo in 2017 (market research company), this building attracts as many people as a medium-sized city center. The visitors also vary from each other in this sense: 56% of the visitors earn an above-average salary, but the building is also visited by 33% by people with a low income. In addition, 50% of the visitors are tourists, while the other 50% come for a specific visit, such as shopping or visiting the stalls.







Power of Hybrid

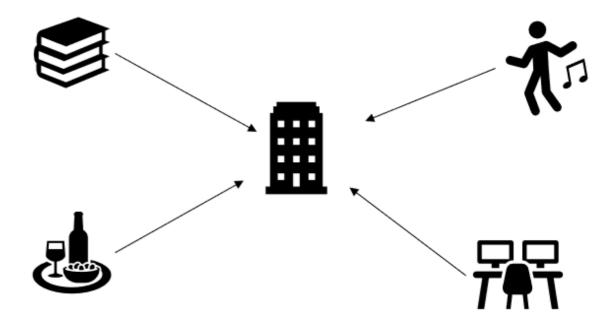


Power of hybrid

the hybridization conceptual architectural ideas convey more than just one program; they involve a transdisciplinary symbiosis of disciplines with a clear purpose: "responding to three major challenges of modern society.

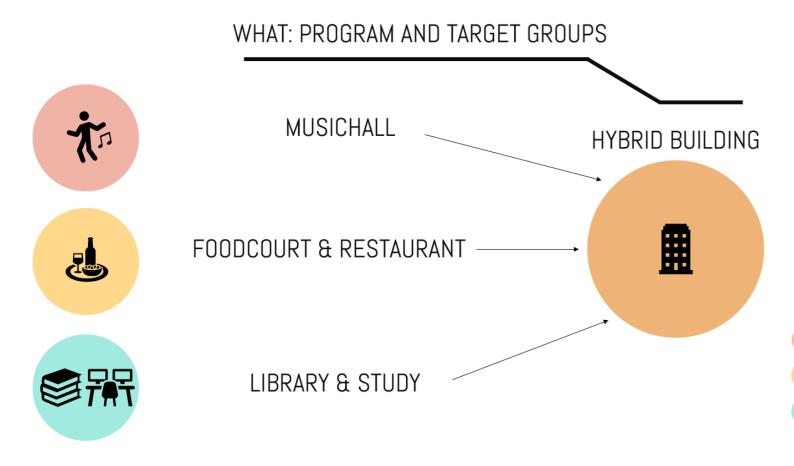
1.The land scarcity and its high value

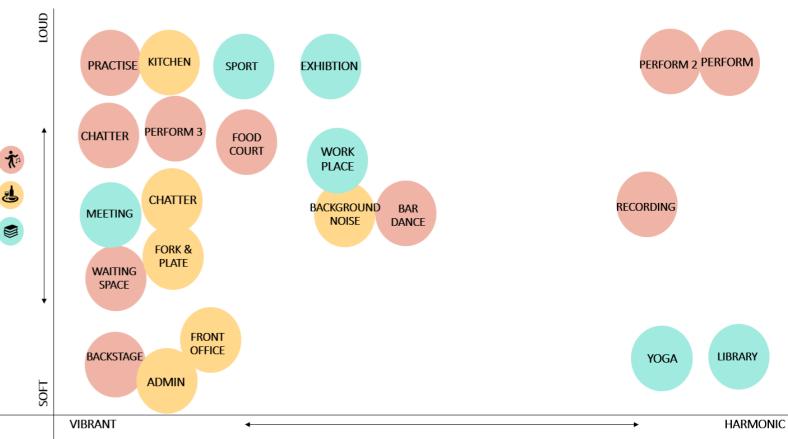
- 2. Land and construction cost with conservative approaches by government on spending for public infrastructure has forced many civic institutions to find new ways of housing and funding themselves.
- 3. The need for specificity is allowing some architects to engage program rather than simply building for maximum (and Generic) flexibility, as was the predominant case previously.



Combining different functions in clusters

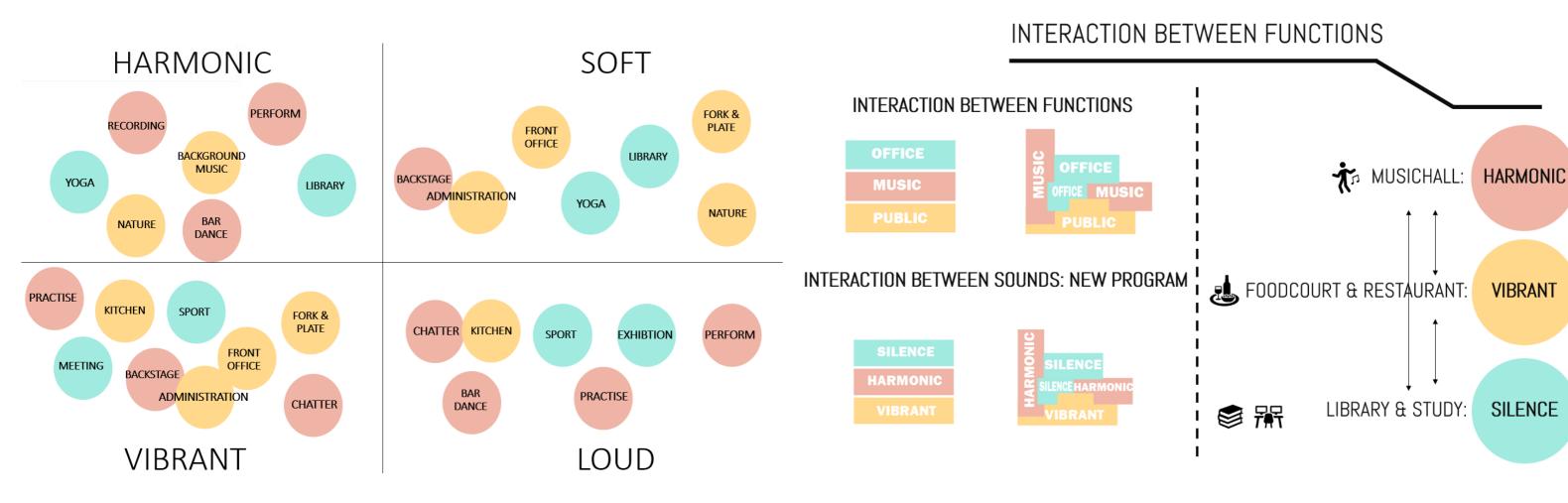
Working on new program by trying to make new clusters based on different sounds





Different harmonic, vibrant, soft and lound sound functions in one building

Combining of different functions in a hybrid manner



D2. Case studies

Paradiso

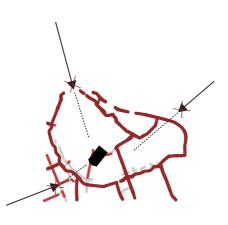
Paradiso and the buildings in the area are all positioned in the transverse direction of the canal belt in small groupings. This positioning is something that has arisen naturally from the very beginning of the city. The canals between the land create boundaries between the different building blocks. The old part of Amsterdam therefore often has a recognizable structure in buildings and positioning.



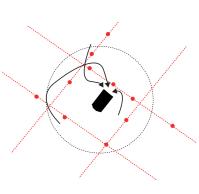




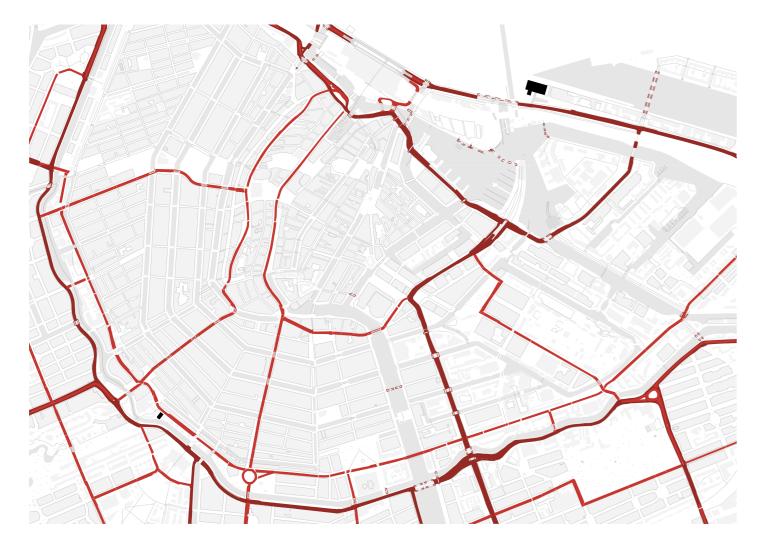
The building is in the center of Amsterdam. Within the center of Amsterdam it is not advantageous to come by car, partly possible because of the crowds and the expensive parking. Paradiso is close to a regional road, the S100, so if the car is the only option, it is still possible to reach the Paradiso by car, park outside the canal belt and walk to the music



The music building is easy to enter with public transport. In a diameter of 1 kilometer around the building there are 18 tram stops to all sides of Amsterdam. In addition, there are also several bus stops within a radius of 1 kilometer. If one wants to see the city center of Amsterdam and start walking, it is possible to walk from the central station to Paradiso in 30 minutes.



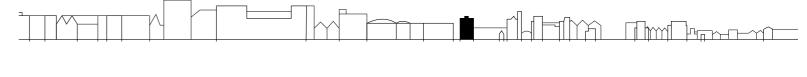
87



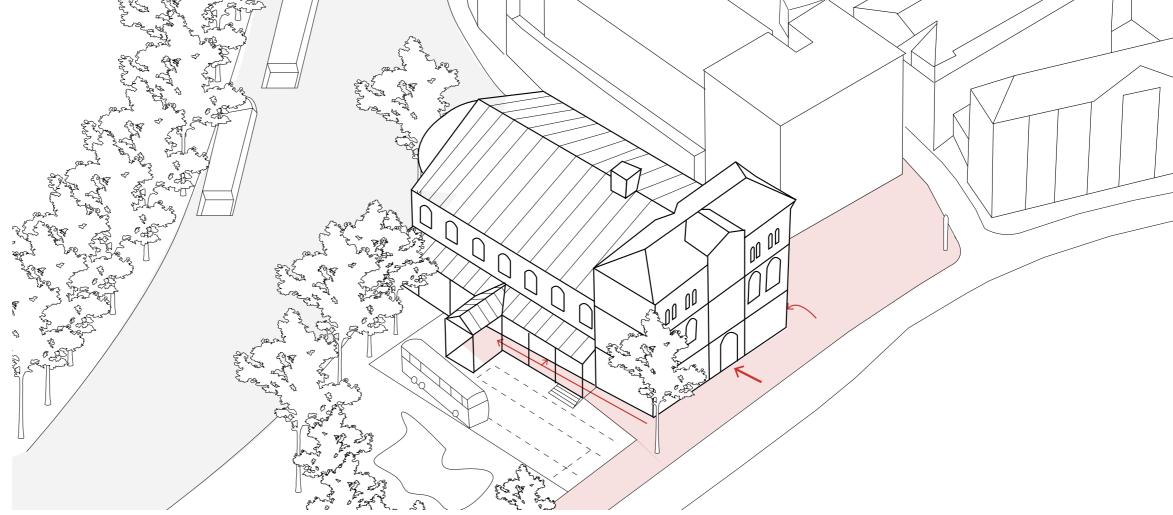


Side roads 50 kmph. roads Highways, national & regional roads

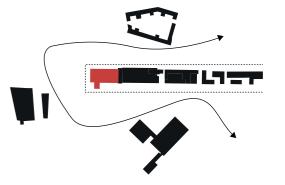
Paradiso is located in a busy and narrow street. A car road, a bicycle path and a tramway are located in this street. There is about a 3 meter wide sidewalk in front of the building. There are therefore few public spaces around the building that belong to the building. It is also not possible to stand in front of the entrance because it is a walking path for passers-by. The building has three entrances, the main corridor being in the front facade. The building has its own area to the right of the building, which is intended for the musicians or to load or unload goods. It is unlikely that this piece is also used as a public space. also used as a public space. The paradiso has a height of 28 meters at its highest point. Apart from a few important buildings, there is no building higher than the Paradiso. It is also forbidden to build high in this historic center. The elevation shows that all the buildings are approximately the same height and that the shape and roofs vary, which is no longer the case in the extended towns of Amsterdam. The buildings in this area are smaller and narrower than the outer areas of the city.

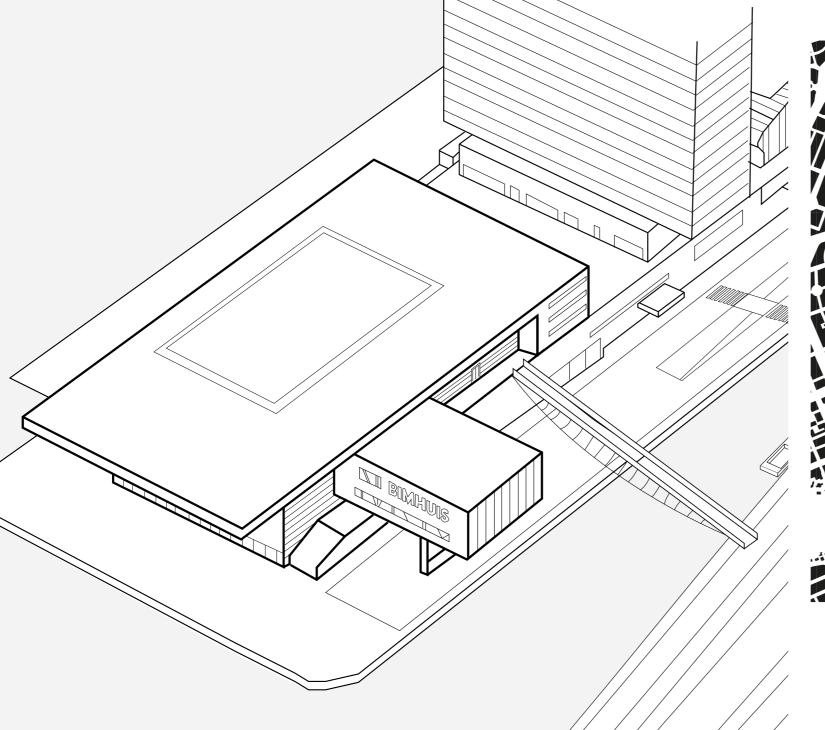




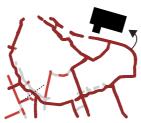


Muziekgebouw 't IJ

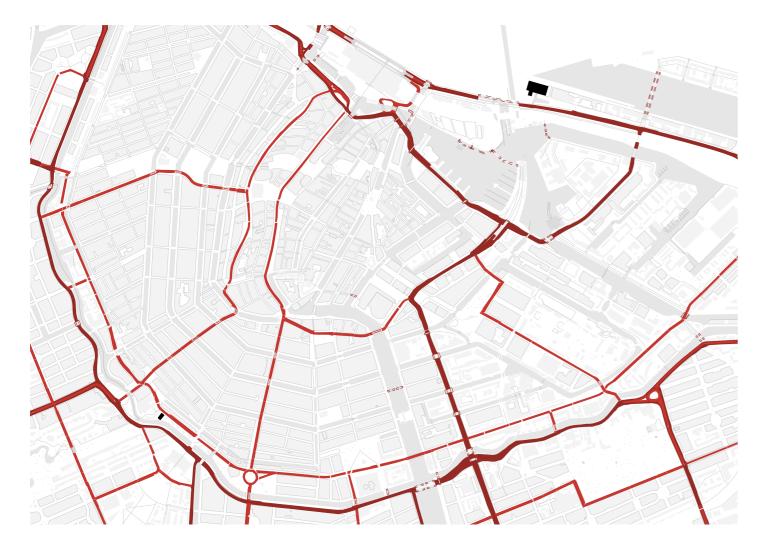


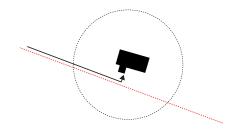






The S100 runs around the center of Amsterdam. This is a regional road where the maximum speed is 80 km per hour. This road runs right past the Muziekgebouw (see drawing, dark red line) and is therefore easy to reach by car from other cities. Tunnels have also been constructed from Javakade (See the again drawing). For example, the music building's quay can be reached not only by water transport, but also by car.





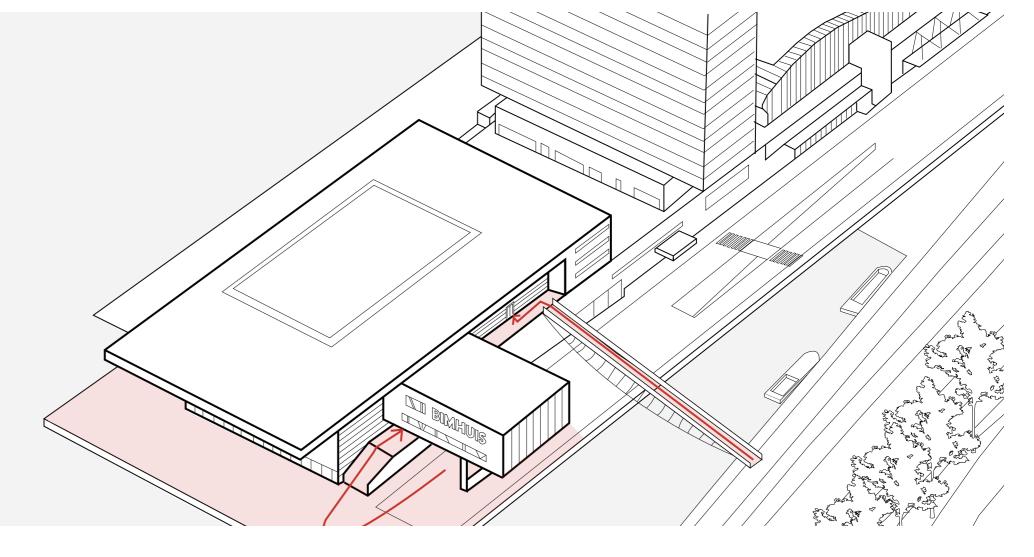
Muziekgebouw 't IJ is 1.5 km from Amsterdam Central Station. The building is easily accessible by public transport. From the train it is a 20 minute walk to the music building (across the bridge that has been specially designed for cyclists and pedestrians). It is also possible to take the tram from the central station. There is a tram every 10 minutes towards the music building. The building can also be reached by water taxi. From the north of Amsterdam (IJplein) there is a water taxi every 15 minutes to Amsterdam Central. And from Amsterdam Central there is a water taxi every 27 minutes to the Muziekgebouw. The building can therefore be reached in various ways by public transport.



The music building has several public spaces around the building at different heights. This is due to the two entrances at different heights. The building is connected to Amsterdam Central Station on a higher floor by means of a bridge. In addition, the ground floor (area under the stairs) is also a large empty space that serves as a public space. Also on the ground floor the building has two different entrances, so the building can be entered by a staircase in the corner of the building or simply through the turnstile doors in the glass facade. The urban elevation shows that the Muziekgebouw (black) is at a reasonable height as the rest of the building. The Muziekgebouw was one of the first buildings on this quay, so the building can also be used as a guideline for the rest of the buildings, except for the two high hotels. What is striking is that all buildings have a flat roof and have a square character in elevation view. This is in contrast to the pitched roof character of traditional Dutch architecture (which can be seen in the Old centre of the city).



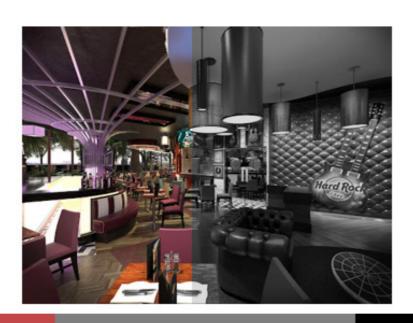




D2. Design Journal

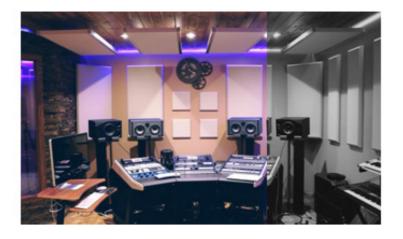
HYBRID – DIFFERENT FUNCTIONS + TARGET GROUPS





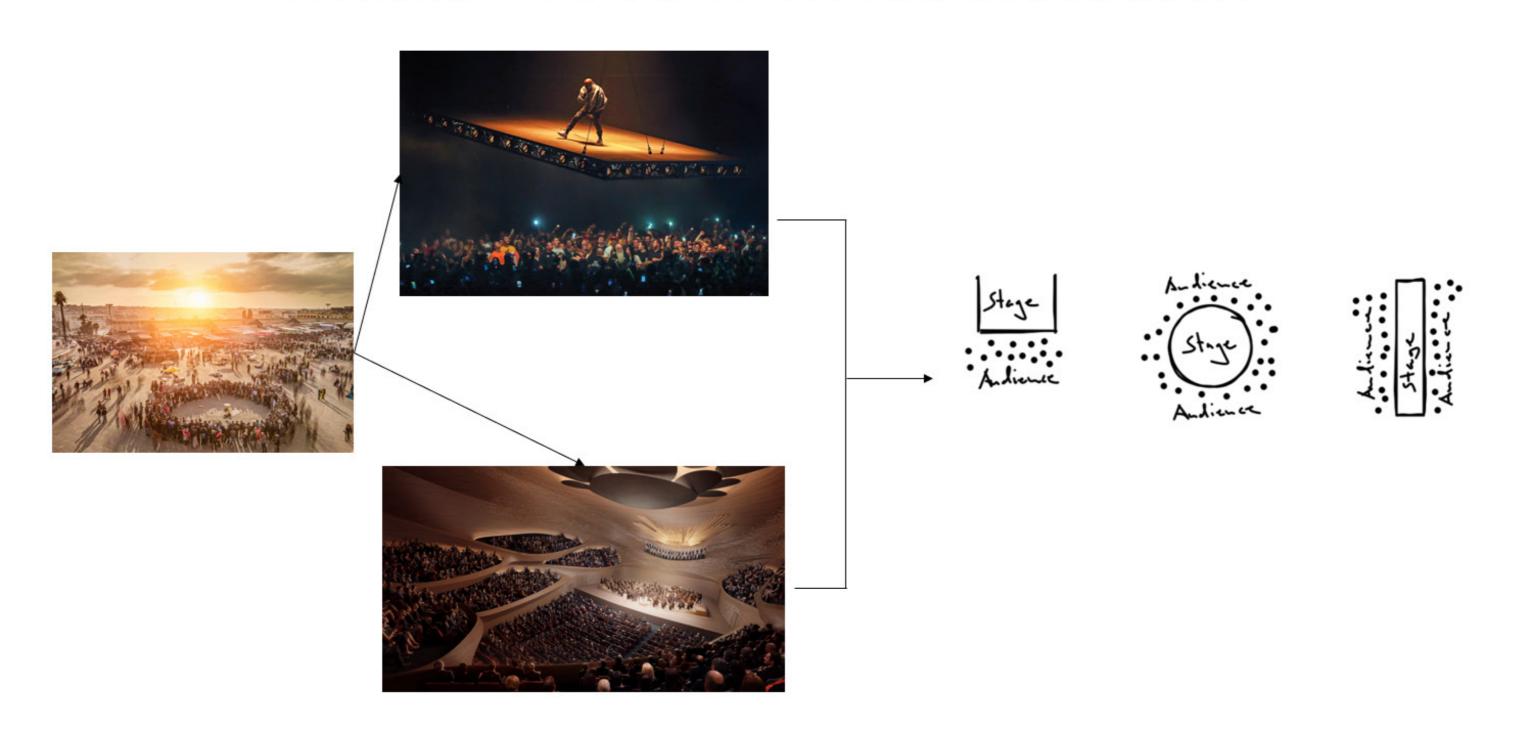




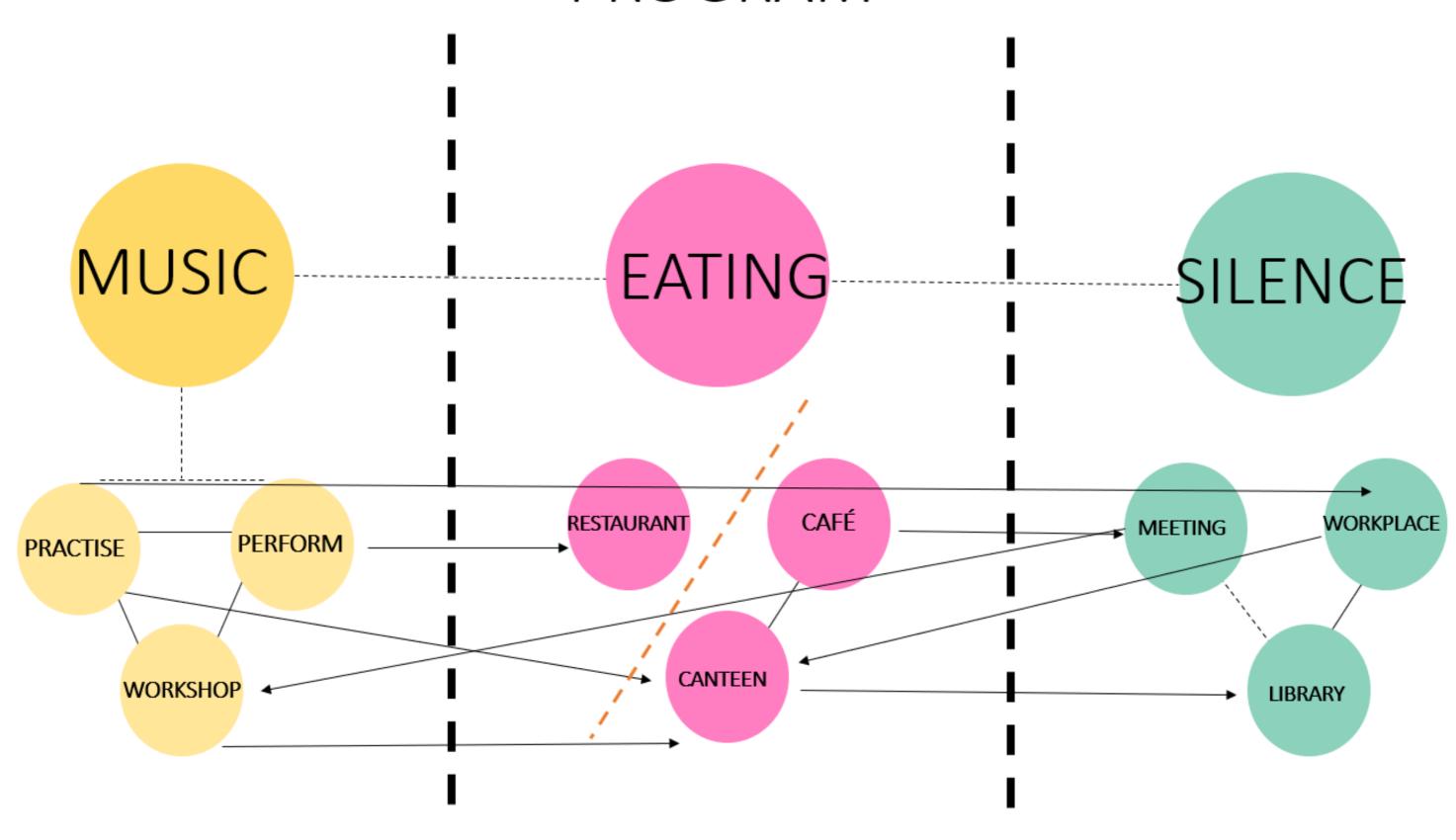


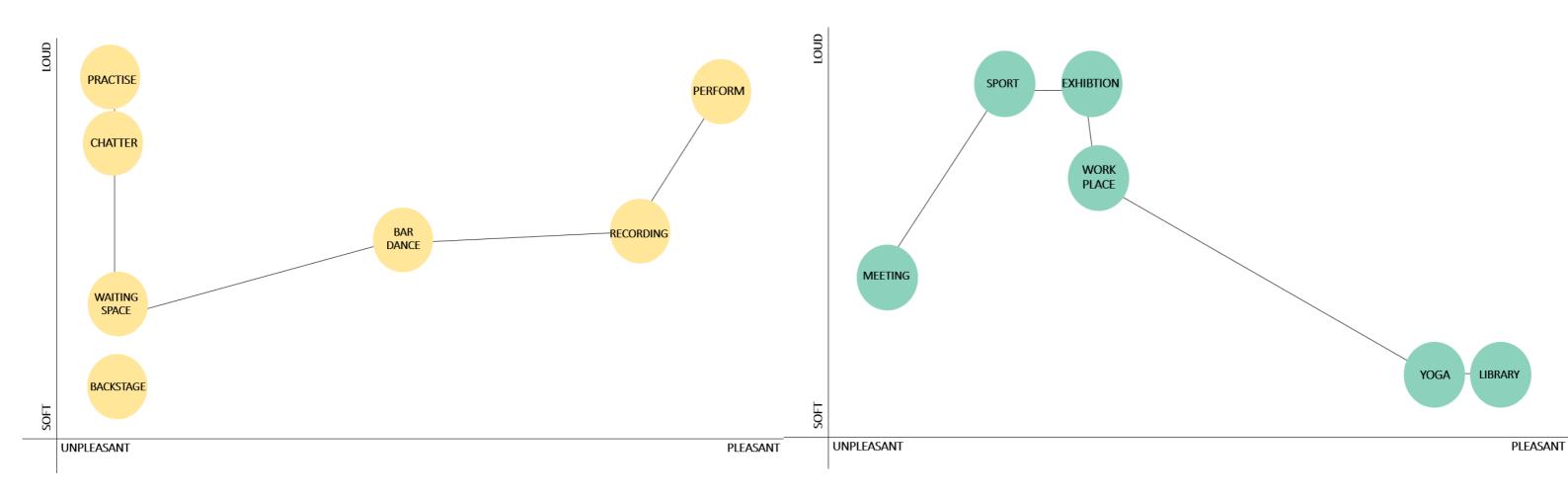


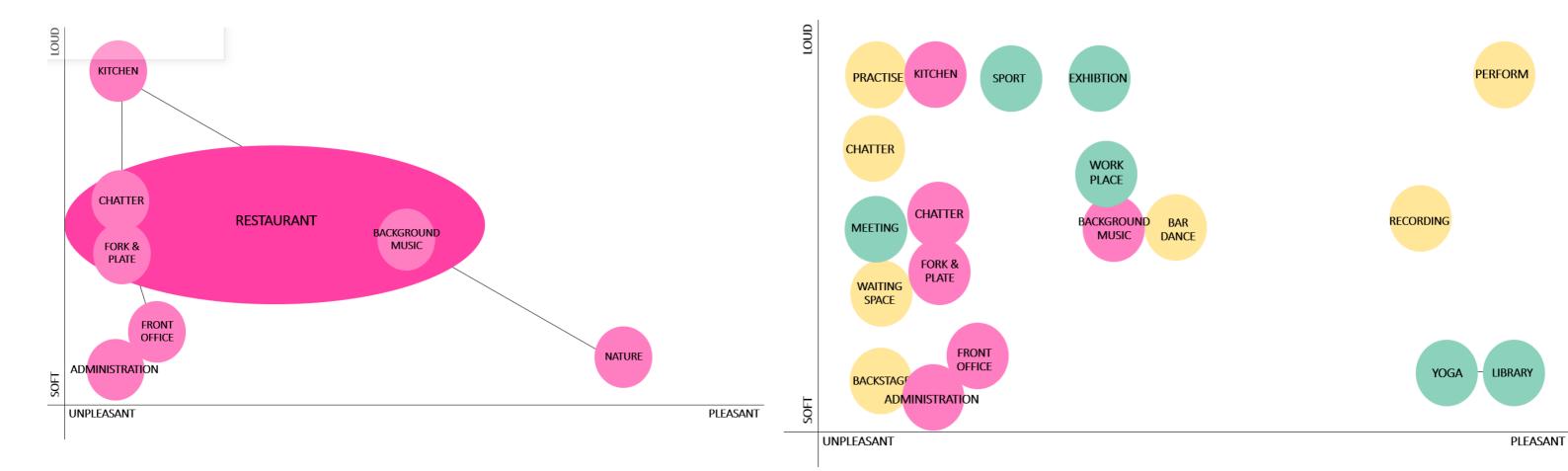
HYBRID – ADAPTIVE PERFORMANCE

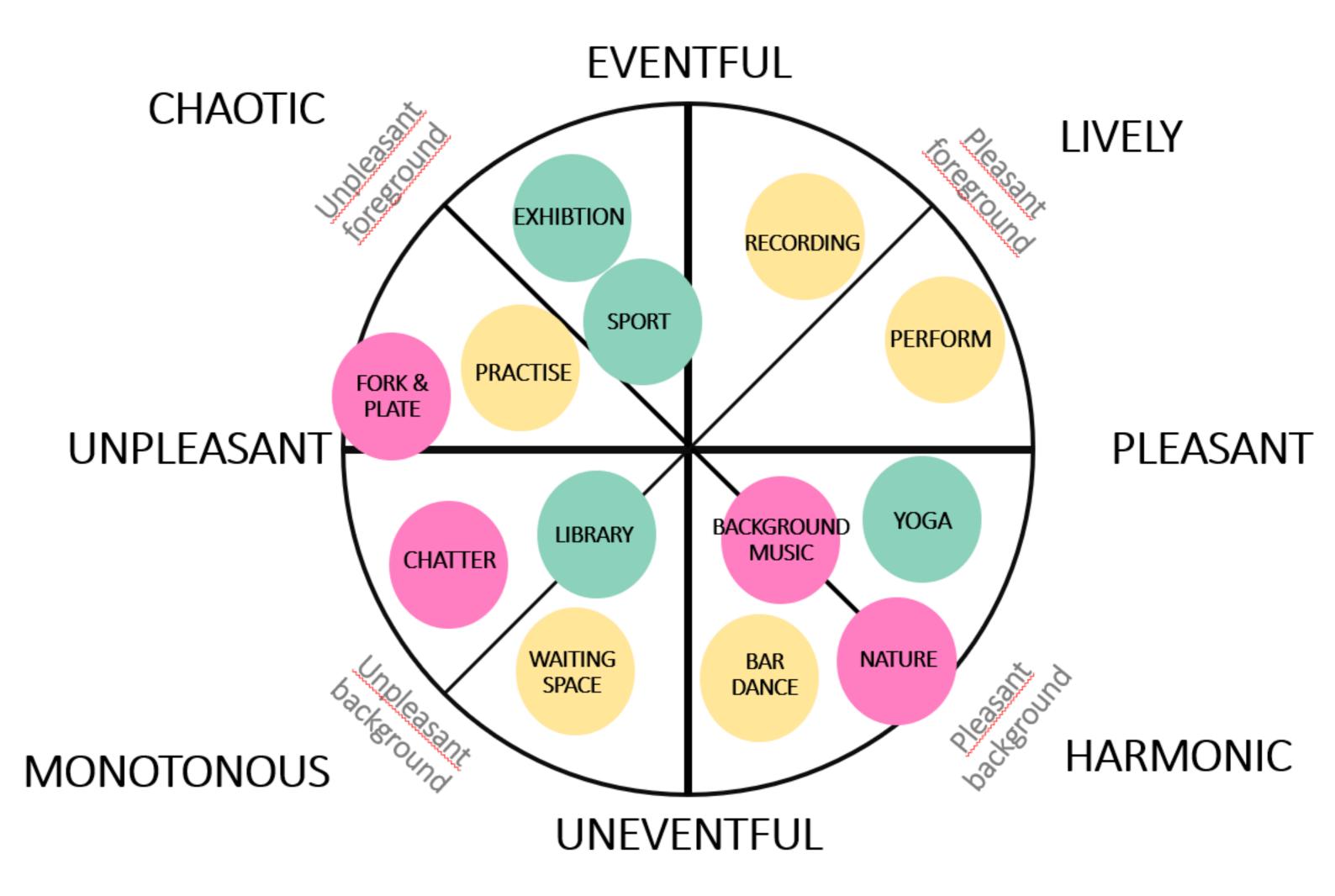


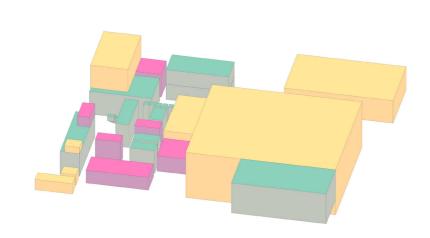
PROGRAM

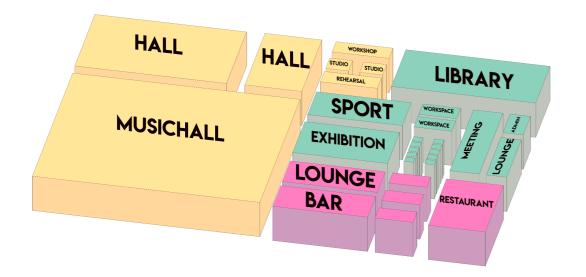


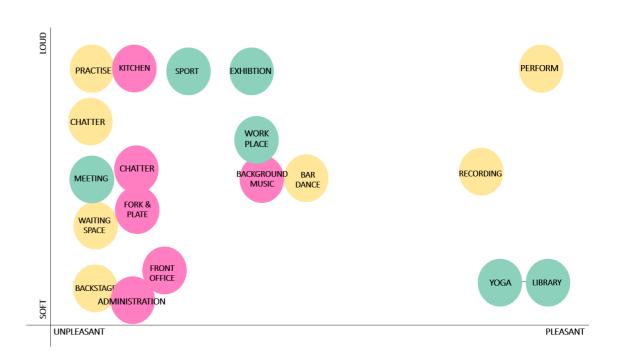


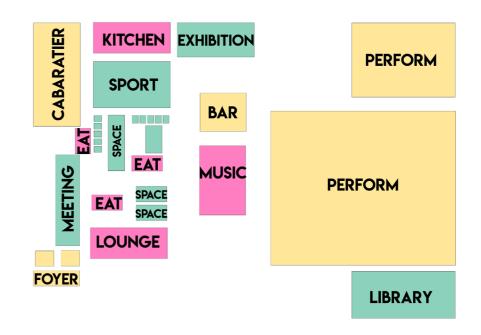


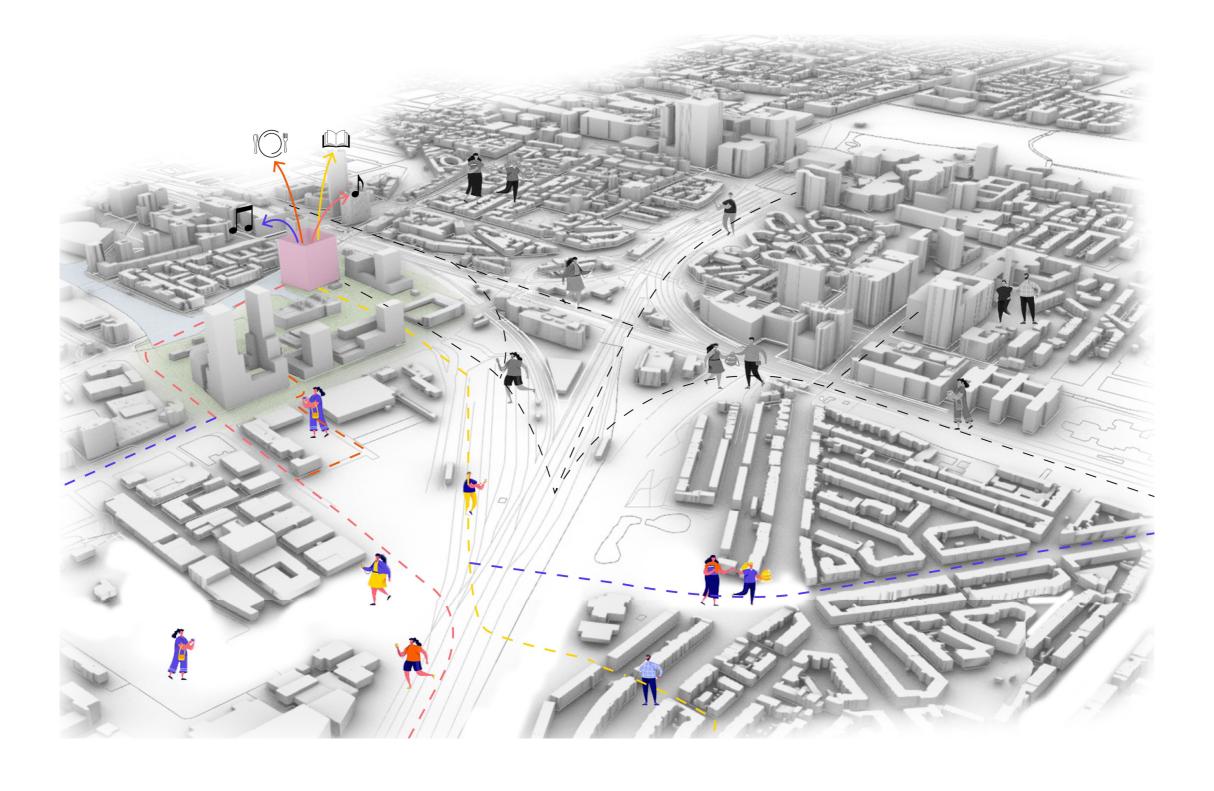












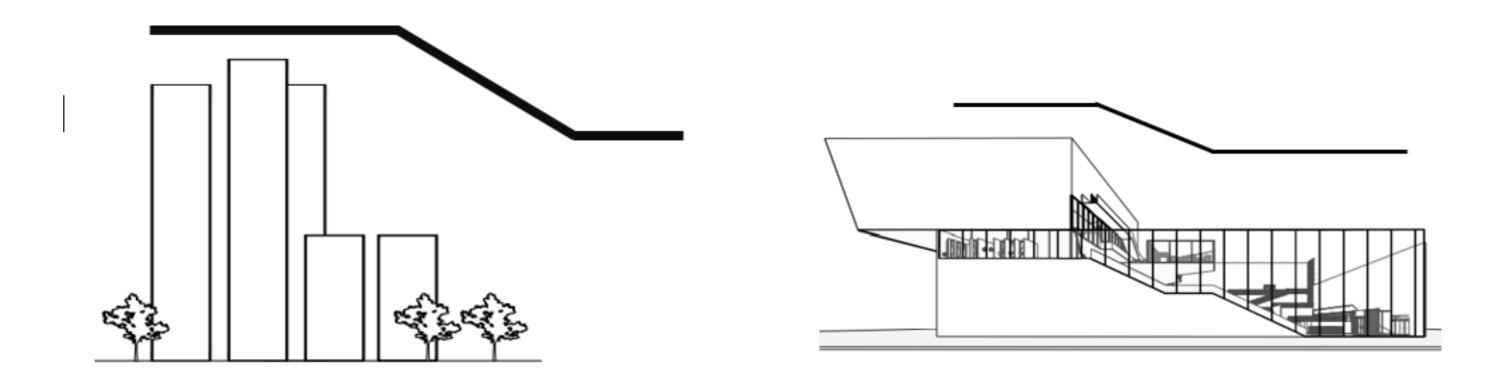




MUSIC					
Venue	Small	Medium	Large		
Audience	300	1500	3000		
GFA m2	1500	4000	12000		
Concert spaces					
stages	50m2	110m2	300m2		
backstage					
side stages					
dressing rooms					
bar					
balcony					
VIP-area					
CREW-area					
Orchestra pit					

	EATING		
	Small	Medium	Large
Restaurant			
Space for dinner			1000m2
Bar		200m2	
Eat and go	50m2		
Canteen		200m2	
Kitchen		150m2	
Toilets			

SILENCE					
	Small	Medium	Large		
Meeting space	-	-	35m2		
library	-	-	500m2		
Study place	5m2x5	15m2x5			
Sport accomodation		100m2			
Adaptive exhibition		1500m2			
Workshop		20m2 x5			



Height difference reflects urban environment

