

UNIVERSITÀ DI PARMA

DIPARTIMENTO DI INGEGNERIA E ARCHITETTURA CORSO DI LAUREA IN ARCHITETTURA E CITTA' SOSTENIBILI

BUILDING INFORMATION MODELING:

DIGITAL MODELING OF ARCHITECTURE

DIGITAL VISUALIZATION OF PROJECT

A.A. 2022-2023, Prof. Sandra Mikolajewska







Guggenheim Helsinki Design Competition – Six Finalist





quiet animal

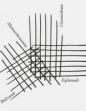
Our proposal takes the form of a Helsinki city block rotated to the harbourfront. Seven timber-elad galleries are stacked over a basement and three levels flanked by administration and open-format halls. Public spaces are formed between these and an intelligent textured glass skin wrapping the entirety to precisely diffuse light, translucent below, and transparent above. The lower galleries join as needed, while the third floor is one super-space. The variety enables a wide range of curatorial

approaches.

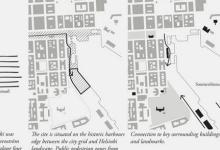
The museum's three entrances are arrived at by new cobble and gravel walking routes. Centrally a wide, convivial staticase helps visitors wayfind intuitively.

"Arr Kioska" ames for young Nordic art wins the historic Kauppahalli while a sculprure garden is enclosed to the south.

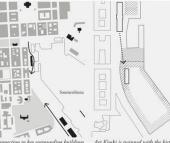
In 1800s Helsinki city blocks were named after wild animals. The proposed new block will have the tactile familiarity of a per's fur. So we call this proposal "quiet animal".



The city plan of modern Helsinki was developed under the plan of Ehrenström and Engel from the year 1810 along four main alignments.



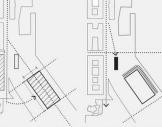
landscape. Public pedestrian zones from Esplanadi to the site.



Art Kioski is twinned with the historical Market Hall.



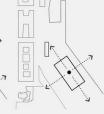
360° Neighbourhood. The museum has three entrances and an outdoor route which allows it to be walked around.



City grid orientation to follow harbour edge. Rotated city block.

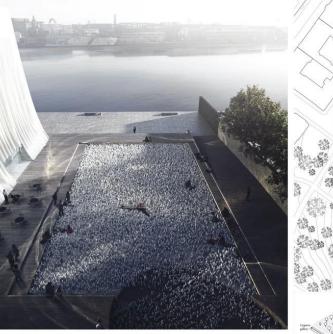


View to the sea maintained across the site. Clear views north, south, east and west

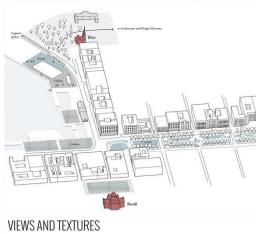


from the site.









360° NEIGHBOURHOOD

Our museum's three entrances, and exterior views, public routes and spaces will help it achieve a closer relationship with it existing neighbours.

The Art Kioski is the urban and artistic "open end" of the museum. It is a flexible exhibition annex for young Nordic art which can be reconfigured by the

This street-scale structure is twinned with the historic market hall.

The new public square will host outdoor installations and events using Art Kioski as base. This could be called Sofia Square after Sofiainkatu which the site is axially

The waterfront strip is reclaimed for open public usage. It's historic name "Makasiininranta" is being reinstated. It has a special quality of isolation from the city like taking an ice walk on the sea.

The sea steps around the basins will be continued on Makasiininranta.

The sculpture garden is enclosed by a boundary which designates a future ferry terminal. It has a gravel landscape like the Esplanadi and raised deck which the cafe

The western garden has a gravel landscape. It allows the whole block to be walked around and is another route to get to the sculpture garden or to the observatory park from the waterfront.

We have created a western entrance. This greets the observatory park and ferry visitors, mirroring its line of trees on our site edge.

Cygnaeus Gallery
Opened in 1882, the Cygnaeus Gallery is the oldest art museum in Finland.
It is Guggenheim Helsinki's closest cultural neighbour.

North Helsinki Cathedral, Kauppatori, City hall, Palace Hotel, Vanha

East (looking across the Makasiini space) Katajanoka, Stora Enso, Uspenski Cathedral

South Suomellina, Vallisaari, Olympiaterminaali

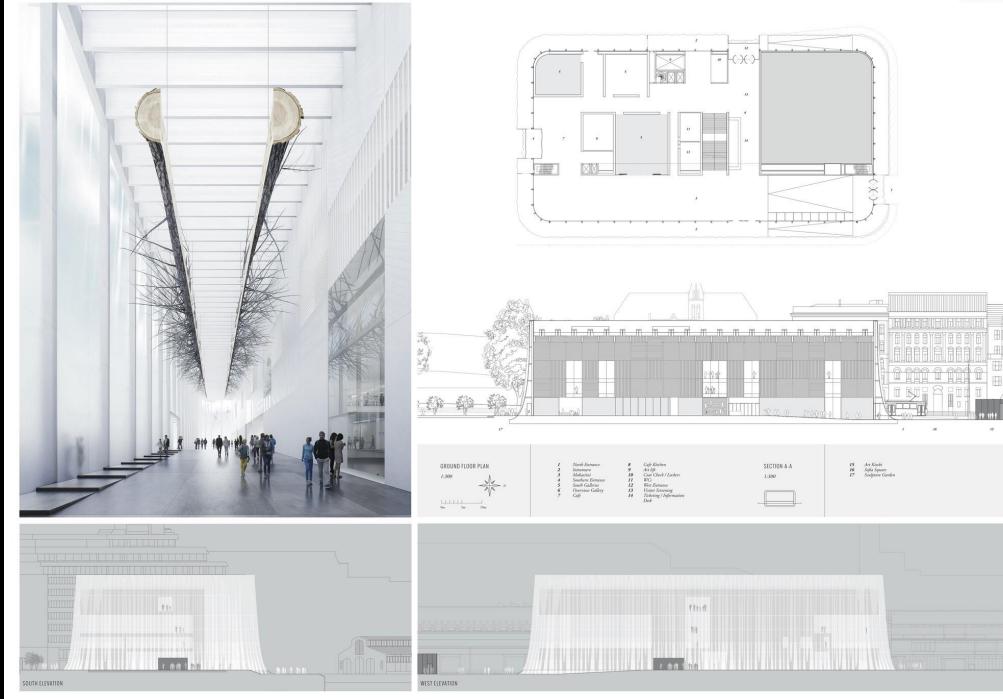
Tähtitorninvuoren puisto, Saksalainen Kirkko

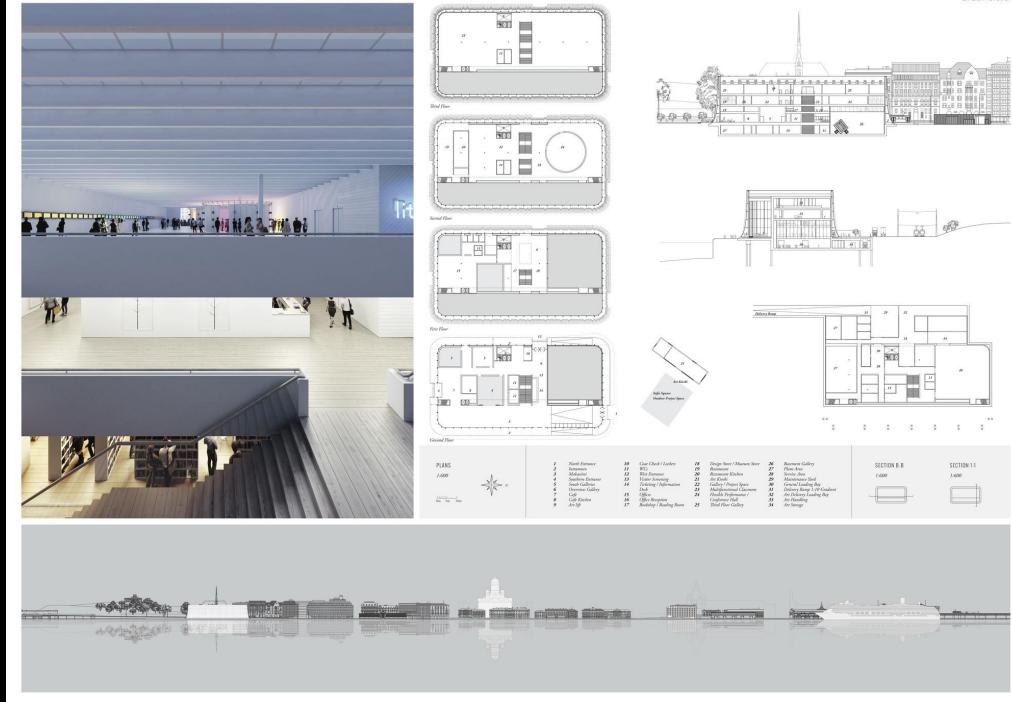


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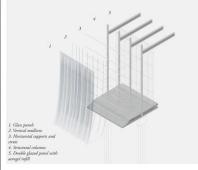


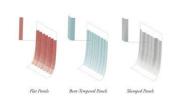
Connecting the neighbourhood



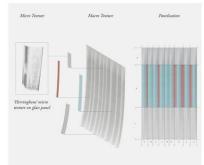
















Innovative Envelope

Innovative Eurelape
We are deploying a twin wall glass facade system that is a model well known in Finland. Ours incorporates an external sealed glass skin to block wind and rain, an intelligent "air jacker" with automated solar blinds which buffers seasonal temperature movements, and an inner glass skin of sandwiched arouged insulation which controls light and heat, both in and out.

The composite of these three functional structures is highly optimised towards the local environment through orientation and distribution. It also creates the visual appearance of our building. It he application of these technologies in conjunction with a sophisticated Building Management System will allow for an intelligent, self regulating process to be employed to optimise the environmental and energetic performance of the building.

The glass facade enables daylighting to be utilised in many situations instead of artificial lighting. Where artificial lighting is required. OLED technology will be employed.

Collaboration

Collaboration
Aspects of our proposal involve expertise and materials very specific to Finland, namely industrial glass processing, craft glass manufacture, timber forestry and timber construction. We are very serious about working with these existing industries closely for both supply and R&D. The museum should be a showcase for a connected and collaborative approach.



14 FLOOR











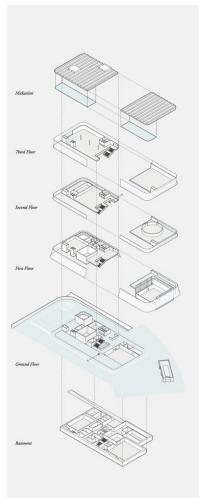
















Intransuro

Along the Makasini gallery's length are doorways into the Intramuro.

This is the functional climatic and solar control envelope of the building. It is also a secondary circulation system, where visitors slip in and out, to catch a quiet moment, or watch a Helsinki sunfea attenuated into complete diffusion. In this space the city is experienced as an atmosphere.

Helsinki Neon

On each side of the building a deployable digitally controlled segmented neon signage system is located which can display varying texts; names of artists, dates of shows. It is part of the visual tradition of Helsinki night time white neon signage.

A Site for Art
We envisage artists being invited to develop two-dimensional or light based works
for the Intramuro space between our glass skins which communicate and engage
art at a completely different scale to the city audience.

Staircase

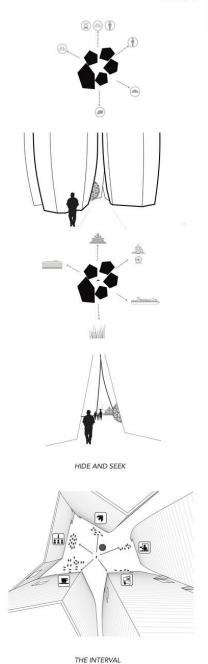
The central staircase of the musuem is the primary vertical circulation. It blooms into public spaces at the lower floors, this is how the building breathes. Helsinki art students brush shoulders with international curators in the book shop, while tourists mingle in the design store and locals head to the project space.

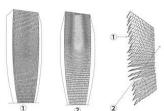






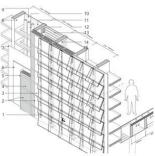
Guggenheim Helsinki Design Competition - GH-76091181





The selection of materials speaks to Helsinki's sense of belonging - to a place, a culture, a lifecycle and a future. For these reasons, wood has been chosen as the principle structural and cladding material. The listade finish and structural members make use of high-performance imber products that have been selected to provide the highest level of structural performance and duability while maintaining the warmth and nich tactile quality desired for the project.

Facade Principle



WALL BUILD-UP

- WALL BUILD_UP

 1 cladiding wood shingles 600±600mm

 2 fathing and counter fathing of Kerto 5 fins 30±200mm

 3 permeable membrane

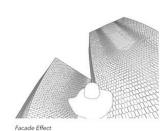
 5 covering plates, Kerto D Jannisated venere lumber 30mm

 6 vapour barrier

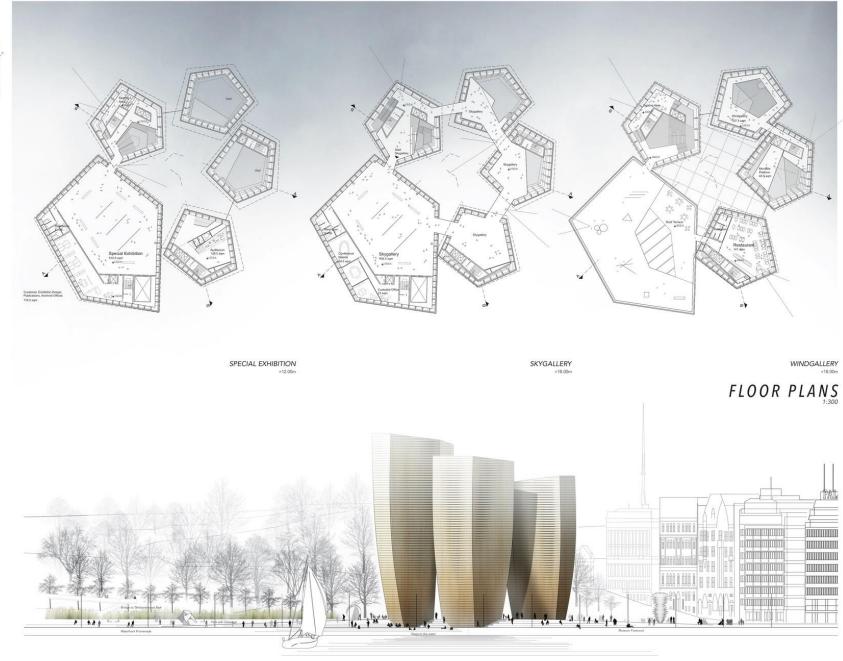
 7 forsorotal innere structure, 15±0600mm

 9 inner clading layer, perforated imber plates, inward offset 50mm
 and required perforation
 and required perforation
 11 scootset parties
 12 smoke and heat verting system
 31 ar conduct and exhausts
 15 glasing

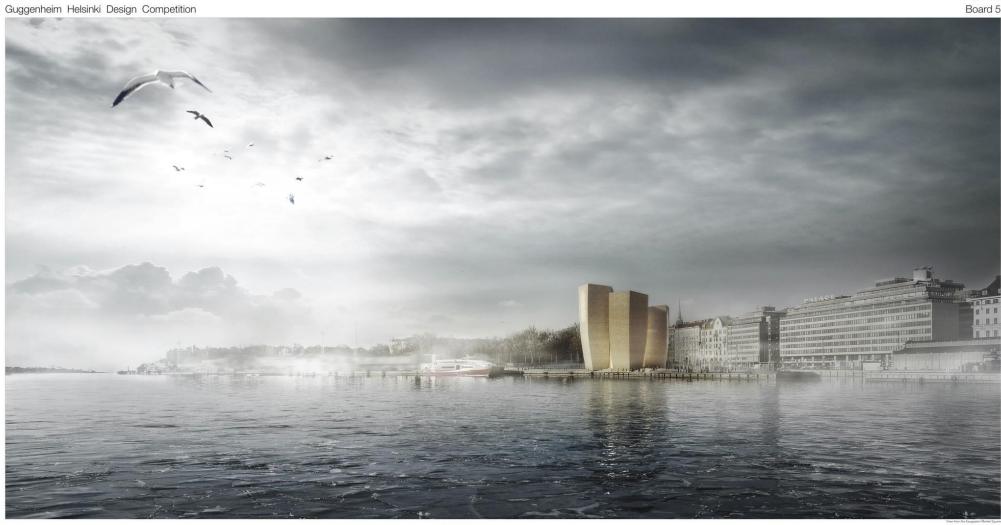
Facade Detail



FACADE STRATEGY



















THE INNOVATOR

The Innovators trigger the curlisity of both visitor and artist to explore the many perspectives, varietage points, and connections on offer. The vertical spaces reach from the foot of the Earthgaley up towards the light, and, when visiting the Signaliery and Vindgallery, couparts may come again descend back to the property of the product views and completing a restraint of your analysis.







twoin-one museum

The museum is composed of two spaces - one for exhibitions, the other a public forum - that come together in a dance involving art and the city, gradually engaging in multiple movements, from a pas de deux, to a pas de trois, etcetera.

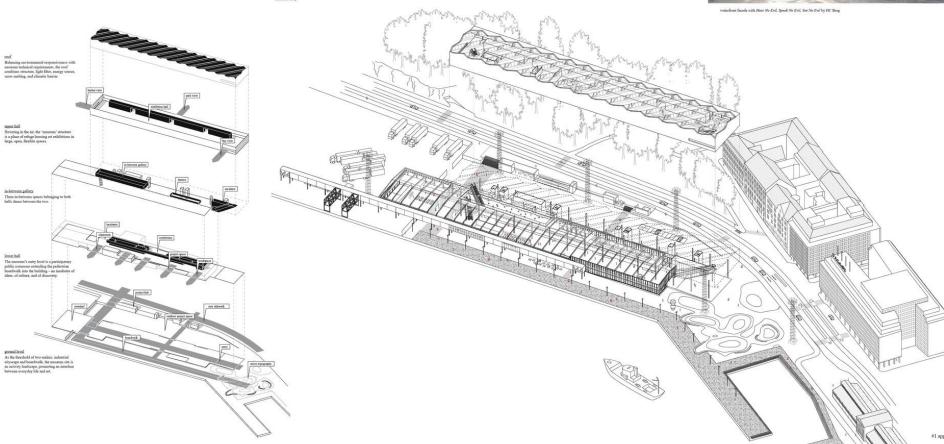
One space of the museum is on the dock level of the port facility, acknowledging the site's industrial function as a vital memory for the new ensemble. Part gathering place, part community center, part incubator for innovation, it is conceived as a social commons within the city.

The other space of the museum houses art exhibitions. Hovering in the air, it offers a place for contemplation, with large open galleries, complementing its companion space below.

Greater than the sum of its parts, the museum generates multiple relations among people, architecture, and the arts. With this, the Guggenheim Helsinki can engage a broad constituency of stakeholders, benefiting not only the arts but the public at large.



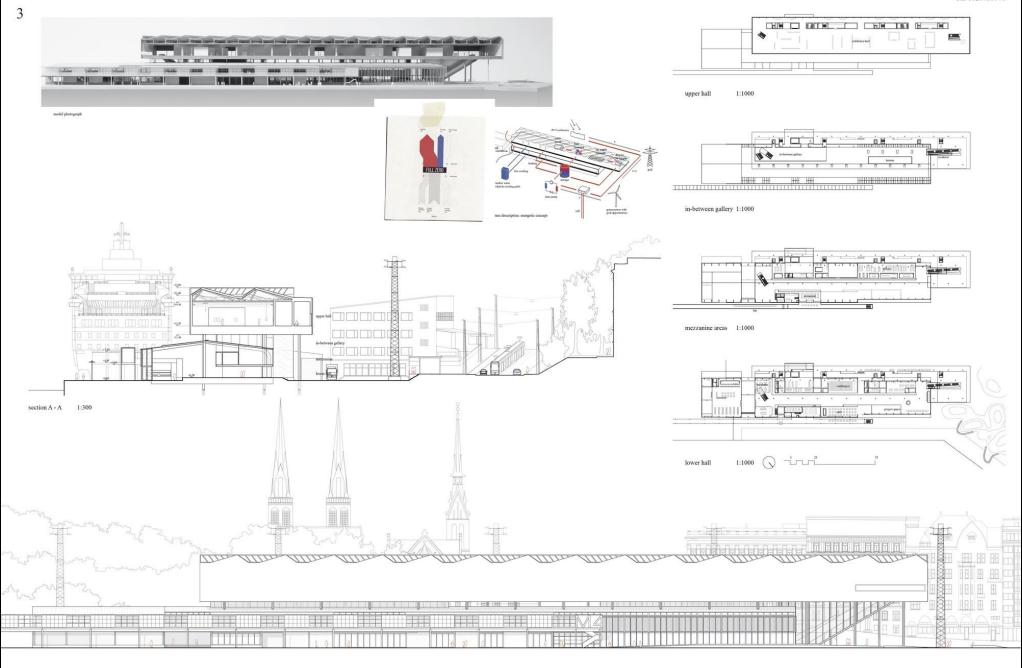


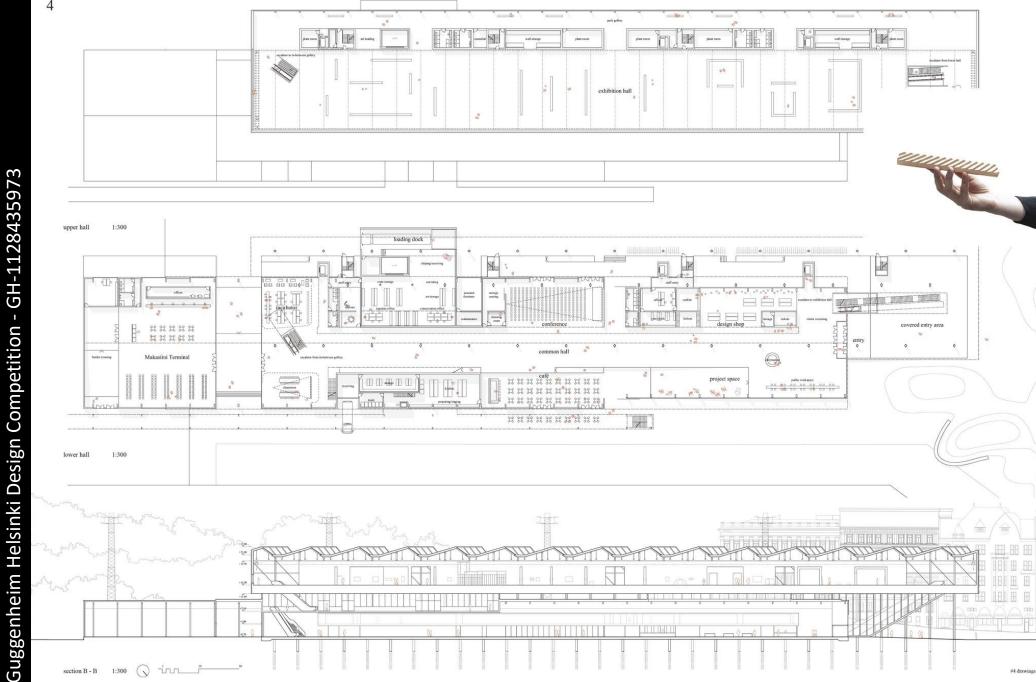


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1:300

facade















from the market place

The museum sits as a slender, horizontal line between the city and the harbor. Its height is intentionally low, allowing the building to blend in with the urban fabric along the waterfront and the neighboring park on the hill. It is as if the museum has been slipped into its surrounding context or has just docked alongside other ships. The closer one gets, however, the more it is thrown into

relief as a free-standing structure.

Conceptually, the existing terminal is In essence, the project is the building. A large, covered outdoor entry space is created welcoming the city into the museum. Cityscape to form the urban commons at dock level. Views out across the bay make and commercial offerings. On the Helsinki itself the primary exhibit of other hand, industries associated elevated exhibition space.

doubled by the twin structure above threshold of two realms that cohabit museum is poised as a potential that slides over the end of the lower the edge: the city and the harbor. Though mutually reliant, the two are divide. to some degree at odds with each other. On the one hand, the city is and boardwalk literally extend inside intent on gentrifying this border zone with boardwalks, car-free plazas, the lower hall, an exhibit made even with the port want to maintain their more dramatic as one ascends to the operational efficiency, requiring the movement of trucks, large-scale equipment, and industrial lighting.

Given this conflict of interests, the urban arbiter capable of bridging this

a morning in March





exhibition hall with Counter Acts by Poklong Anading



in-between gallery with Strangers by Tommi Toija



The common space aspires above all

to function as a facilitator of civic

empowerment, aiming to invigorate

citizenry by providing the grounds

for building the 'participatory city'.

public square viewed from the escalator



Life is rarely singular, pristine, and clear, but rather multiple, messy, and ambiguous - characteristics the project aims to encapsulate by means display of art and offers instead a of its loose assemblage of parts that are as circumstantial as the peculiar collection of sheds, trucks, asphalt, gangways, and ships found on site. As quasi objets trouvés determined by necessity rather than aesthetic choice, retained artifacts are of historical significance, for they are part and parcel of the city's cultural

and economic base.

The 'common space' at dock level avoids the anachronism of formal and monumental gestures for the participatory venue not unlike the BMW Guggenheim Lab, which has mobilized citizen assemblies in cities such as New York, Berlin, and Mumbai through the introduction of casual structures that provide spaces for community interaction. Keeping with this spirit, the voices of many resound in the lower hall of the proposed museum. Here,

the activities that take place are considered just as important as the building itself, for it must be accountable to all stakeholders involved. Conceptually meant to break down walls both spatially and socially, this lower structure is conceived as an 'open work' that can be used and changed according to future needs - a building that is multiple, messy, and ambiguous.

by the public, the upper level of the museum is the domain of the curator as steward of collective content. Art is housed above in a naturallylit magic box that floats over the harbor. Its interior is unspecific by design, receding into the background as a neutral framework for staging exhibitions. Flexibility is the

rule. This minimal, column-free

simultaneously as easily as it can

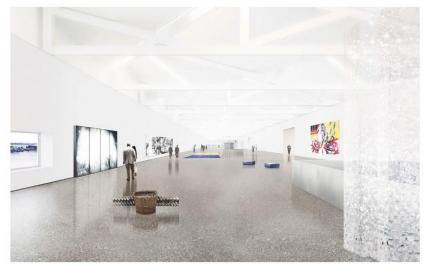
accommodate one large exhibition.

Whereas the lower spaces are curated Access and circulation are straightforward. Visitors leave the ground and are pulled up into this hovering volume by large escalators that allow a seamless connection between lower and upper realms. Once upstairs, the curation of movement is open to different scenarios choreographing interaction with the work on display. Exhibition spaces can be formatted according a range of schemes, container can house multiple shows whether along a meandering promenade, a sequential enfilade, a zigzagging en suite arrangement, or

a dégagement layout with a corridor changing exhibitions. In this that opens onto separate galleries - or space, art determines the way it is any combination thereof.

With this built-in flexibility, the family of Guggenheim galleries is extended with a chameleon-like space that can change as necessary. Imagine Frank Lloyd Wright's vertical spiral unfolded into a long horizontal band, one that need not rely on iconic expression of its internal organization, but rather settles for a discreet form to house

experienced rather than the building determining how it is shown.



exhibition hall with United by Robert Gober, The Shape of Space by Alyson Shotz, United (Fluonery) by Roni Horn, Barge by Robert Rauschenberg, Riddle of the Sphine by Mike Kelley, The Swimmer in the Econo-mist (painting 3) by James and automated 2002 of the Emission Designation (Fluorery) and automated 2002 of the Emission Designation Transport







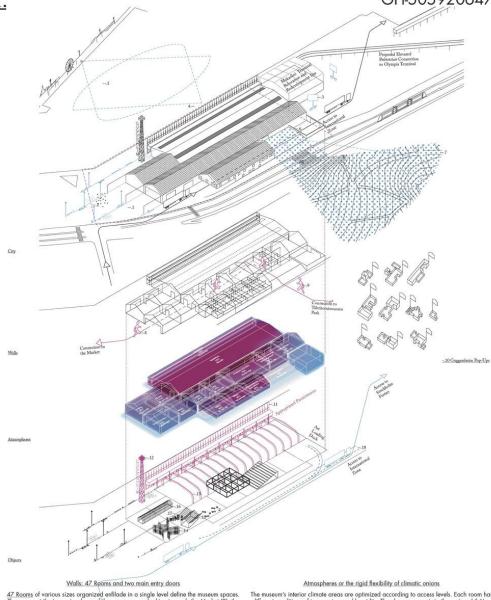


47 Rooms

Helsinki is a city of interiors. Due to its extreme climatic conditions, Helsinki's civic society blossoms indoors. The Market Hall and the Observatory, Museums and Karaoke's Bars, Cabarets and Att gallerias, Hotel lobbies and Beauty Salons, Restaurants and Theatres, Churches and Saunas, Universities and Cinemas, all form a robust network of spaces that host and nutrher public life; interior public life. The street, a Mediterranean ideal of public space, works only during a few weeks each year and is often described as the living-room of the city. The rest of the time Helsinki is a city of rooms that empower their political users. Our proposal for the Guggenheim Helsinki, 147 Rooms, extends this network using the architectural technologies that construct Helsinki's interior citizenry: i.e. walls, doors, would, so

windows, and the machinery that defines atmospheric conditions.

The Museum spans he site's entire width, from the waterfront to the Laivasillankatu promenade encountering four radically differentiated urban conditions. To the north (1), 47. Rooms opens to a square leading to the Market that preserves the infrastructural logic of the harbor's tarmac. Equipped with equivalent services to the rest of museum intentors (2), it is an open-air exhibition room scaled up to host large works of art, 1:1 architecture pieces, concerts, screenings and events. The south facade (3) is both the first impression for the visitors coming from the Olympia Terminal, and the background to of the international open-air cargo parking lot. The facade responds borrowing a variety of signs to both announce the museum contents and display actual works of art. The East façade of the building (4) appropriates the elevated pedestrian walkway. The expanded glass façade, 120m long and 15m high ready for site-specific interventions, serves as an observatory of Helsinki Peninsula Skyline (5) as much as it intrors the city and puts the museum on display. To the West (6), 47. Rooms opens directly to Tahittorninvuoren Park through a new square that becomes the stage of the amphilhrealter-shaped park (7).



42 Rooms of various sizes organized antilode in a single level define the museum spaces. They connect the two entry doors of the museum, one looking towards the Market [8], the other towards Tahtlorniwoven Park [9]. The absence of circulatory spaces implicit in this typology allows an 18% average increase in the programed spaces. Sill a 1500m2 surplus remains. They are relocated in a network of Pop Up Guggenheim spaces through Helsinkt [10]. Disconnected from the financial constraints and construction schedule of the main building, they invite the citizenry into the actual museum and demonstrate its value before its in

The museum's interior climate areas are optimized according to access levels. Each room has different conditions of temperature and humidity. The closer a room is to the main exhibition galleries; the closer its climatic conditions are to the museum's ideal. Since energy loss grows exponentially with temperature difference, it is much more efficient to have several layers of climate control, than to tempera to building homogeneously.

Objects: reuse, misuse, participate

A variety of objects populate the museum's rooms. Some, such as the ferries' walkway (11), the lighting tower (12) or the structure of the Makasini Terminal (13) are appropriated from the existing port infrastructure. Others, such as thermal cutations [14], the interior green houses [15 and 16] or the fields of potted plants [17] are off-the-shelve technologies that partially relinquish climate control to the users of the building. All together define a field that changes the infrastructural nature of the site from harbor to culture while leaving the site undisturbed. 47 Rooms allows all the activities of the port to continue through the construction phase and once the museum is open [18].

GH-5059206475

Guggenheim Helsinki Design Competition

47 Rooms links its interiors to Helsinki's extended network of indoor public spaces. There are multiple connection points. The Museum's front door opens to a new public square that extends south of the Old Market Hall Plaza in the intersection of Eteläranta and Incl extends south of the Clid Market Hall Plaza in the intersection of Etelaranda and Laivasillankutu. The new square connects to the bike line and is few meters away from the Etelâranta tram stop and the rationalist lobby of the Palace Hotel. A second entrance opens to the pedestrian promenade along laivasillankutu, which leads to the modernist interiors of Olympia Terminal, but also connects to the historic hilliop Tathitorninvuoren park and the neoclassical rooms of its observatory, and from there to the exhibition galleries of Design Museum and the Museum of Finnish Architecture.

Public Helsinki

Domestic Harbour

2. Interior Citizenry

Ever since the first reclaim-areas were built in 1847, the site has illustrated the evolution of harbour-related activities: It expanded again in 1892 to accommodate larger ships, after a second enlargement in 1950s the Makasiini Terminal replaced an historical warehouse while in the early 1970s trucks substituted cargo trains connecting the Olympia Terminal write in the early 17% or nocks assumed cargo transcribed many and and the South Port. 42 Rooms appropriates to this ever-changing infrastructural landscape yel leaves its memory undisturbed. It reuses the Makasiini terminal's laminated timber structure of to rebuild a shed that follows the geometry of the original building. The rest of the massing mimics the profile of the old terminal ensuring that the current views from the park and the adjacent buildings are preserved. The museum also absorbs the passengers' elevated walkway transforming it in the largest exhibition wall of the museum (to be seen from the other side of Eteläsatama); and it repurposes the towers that illuminate the site as the Guggenheim's iconic neon signs.

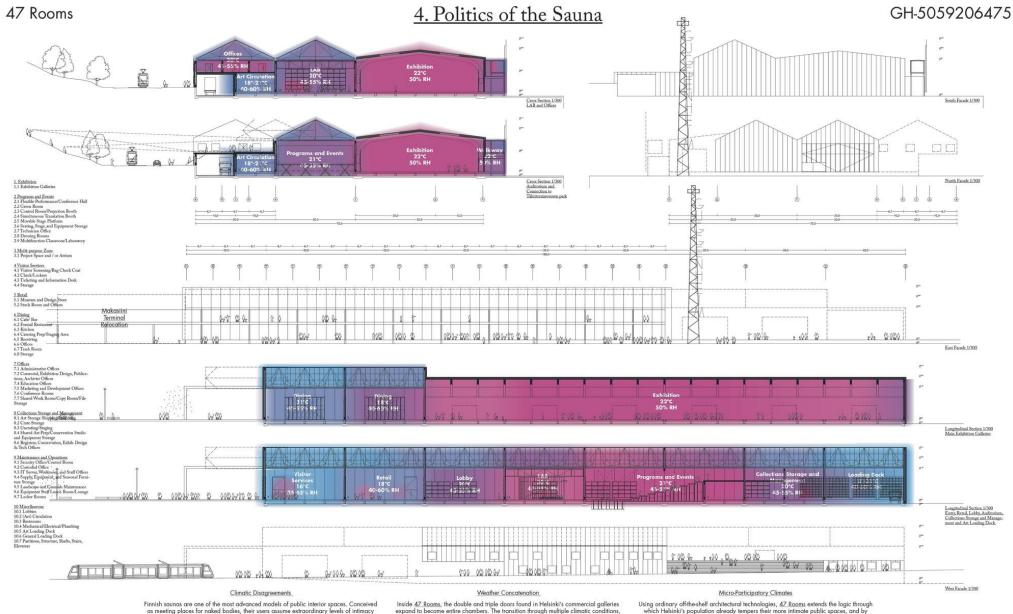
Guggenheim Pop-Ups Reusing

Besides reducing the project's carbon footprint, reusing the existing structures allows for easy relocation of the Makasiini terminal in the section of the existing building outside of the competition site, keeping the Tallinn Ferries functional during construction. The Makasiini Terminal new location extends the publicly accessible section of the port further south. Future terminal new location extension by prolicy accessible section or the port runters about, runter developments south of the museum (hotel, terminal extensions) will link to Makasiini and potentially connect to the Olympia Terminal. During construction, the terminal shed will also house an interpretation centre to make the construction process more transparent to the citizens using participatory BIM technology. The building's infrastructural scale facilitates the use of industrialized construction solutions which reduce cost between 10-12%, and construction schedules between 32-35%, while ensuring that the vehicular traffic to the Olympia Terminal will be neither disturbed during its construction nor once the museum

More importantly, <u>47 Rooms</u> reserves 30% of its unassigned areas {1.500m2} to open a series of micro galleries through the city in locations such as Vr Makasiinit {1}, Teurastamo (2), Korjaamo (3), Uunisaari (4), Kaapelitehdas (5), Galleria Huuto (6) Katajanokan Tulli- Ja Pakkahuoneen (7), Kruununmakasiini (8), Veturifallit (9), Suvilahti (10): we call them Guggenheim Pop-Ups. Located in available spaces throughout Helsinki, the Guggenheim Pop-Ups not only intensify the symbiosis between museum and city; they are the forums that host the discussions surrounding the Guggenheim Helsinki's controversy; i.e. they invite the citizenty into the actual museum and demonstrate its value before it is even built.

homogeneously.

GH-5059206475



as meeting places for naked bodies, their users assume extraordinary levels of initimacy that question accepted notions of public sociability. But more importantly, sourcas use participation to define weather conditions. Pouring water over the rocks in the stove, a group of people, not necessarily familiar to each other, negotiate collective levels of connort that range from 70°C to 90°C and from 5% to 20% humidity. 42 Rooms appropriates this lagic to define the climatic conditions of its interiors. The HVAC defines the Guggenheim Helsinki identity, yet not as top-down imposition. Rather, the interior climate is negatiated by a civil society trained and hobisuated to define its public arenas this voy. Thus, according to its function, each room accepts different degrees of climatic negatiation. They range from the lobby, which allows for constellation of mircotlimates in constant flux while, to the larger exhibition space, that maintains a temperature of 22°C ± 2.5°C, with relative humidity of 51% ±5% and leaves no space for interaction. The museum includes atmospheric conditions that are non-negotiable; they define 42 Rooms material decisions. It idso admits:

different degrees of participation in the management of the interior weather which require technologies that invite users to take atmospheric responsibility.

Inside 47 Rooms, the double and triple doors found in Helsinki's commercial galleries expand to become entire chambers. The transition through multiple climatic conditions trather than a first step to enter the building, becomes the museum identity. Rooms follow a pragmatic entilade sequence: Entry, gift shop, main lobby, eschibition spaces, education areas and auditorium, also accessible from Laivasillankatu, which allows a reversal of sequence. The restourant is accessible from the lobby and the street, and has independent access to the exhibition galleries. The offices, located in a second level overlook Laivasillankatu.

Using ordinary offthes-helf architectural technologies, 4Z Roams extends the logic through which Helsinki's population afready tempers their more inlimate public spaces, and by extension construct their interior citizenry, lmitating the logic of the Sauna, each room's final climatic conditions include certain degree of negotiation between the institution and its visitors. The mechanisms to invite the visitor to engage with the interior weather includes furniture heated using the district heating system; potted plants that change the humidity levels of a room according to its proximity to AC vents; solar/thermal curtains to create micro climates within a room, Green houses with its own independent heat/cooling source that allow the micromanagement of a climatic bubble within a room; Individually managed environmental ethnologies' hanging from the celling substructure, Swimming-poolikie retractable rooftops that can open three rooms to the weather outside; and the software SPACES which, integrated in the BIM model and connected the HVAC, gathers information of the visitors environmental preferences and adults the weather conditions accordinally.





Cultural Production

The North façade is a piece of cultural infrastructure. Combined with the square, it functions as machine to display large scale works, whether coming from visual arts, architecture or design. The façade does not work as a backfarop but rather as a theatre fit power. Its blank industrial frontage hides technologies required to physically manipulate the mise en scène. Weather permitting, two 20m square rooftop modules move out and hover over the square, the main wall of the entry room folds up to open the lobby to the street. The pavement, equipped with the same museum technologies as the rest of the indoor galleries, is ready to host open-air exhibitions, performances, screenings, and events. It redefines public space getting museum-quality infrastructure out in the street.

Porto Franco – Industrial Vernacular

The South façade takes advantage of its paradoxical nature. It fluctuates between two seemingly incompatible realities; it is both the first impression of the Guggenheim Helsinki for the visitors coming from Stockholm through the Olympia Terminal, and a background to an international open-air carge parking lot. It responds, therefore, to the vehicles that obfuscate it, as much as to the pedestrian traffic Laivasillankau. It borrows a variety of signs to both announce the museum contents and display actual works of art.





Double Exposure - As Found Decorated Shed

The East façade of the building appropriates the elevated pedestrian walkway as scopic technology, a mechanism of vision. As a lookout for the visitors, it offers unique views of Eteläastama. As an exhibition wall—extended upwards to moke it visible—it encloses the largest exhibition space, a room the size of the bay, to be seen from the other side of the South Port. The extreme dimensions of the walkway, 120 m long and 4 m wide, and its radical exposure to the city made it a perfect site for site-specific interventions. The expanded glass façade, 120m long and 15m high, Serves as an observatory of Helsinki Peninsula Skyline as much as it mirrors the city and puts the maxeum on display.

Picturesque Bucolism - Urban Artifact

The West façade of the building completes the Tähtitorninvuoren Park. It opens directly to the park and it includes a new square designed as a stage for the amphilheatre-like geometry of the park already identified in Knut Forsberg's original design from 1868. Thus, the façade, that provides an urban elevation to Laivosillankatu, also doubles as a second entrance to the museum, sculpture garden and stage for the park, making the suggested bridge unnecessary.

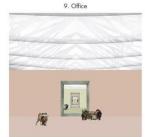


1. Behind the Curtain (Visitor Services)



5. Fashion in the LAB (Multifunction Classroom/Laboratory)





13. Concatenation



2. Cooking with a View (Dinning)



6. The Auditorium as Grand Stair (Programs and Events)



10. Appropriated Walkway



14. Event in the open-air rooms seen Tähtitorninvuoren Park





7. Art Loading Dock (Collections and Storage Managment)



11. Landscape of Art Works (Exhibition Galleries)



15. Roof over the Square





8. Exhibition Galleries



12. The celling Opens (Visitor Services)



16. Eteläsatama Double Exposed

Learning from Guggenheims

The Guggenheim Foundation exhibits its collection in three types of atmospheres. The reference collection's 20th Century avant-garde masterpieces require highly controlled reterence collection's 20th Century avant-garde mosterpieces require highly controlled atmospheres of 22°C ±2.5°C, with relative humidity of 31 ±5.5% and no natural light, conditions achieved in the Annex Galdries in the Solomon R. Guggenheim Museum and the classical galleries in the second floor of the Guggenheim Bilboo, and similar to the domestic rooms of the Pegy Guggenheim Collection in Venice. The atrium of Wright's Building, the Serra Gallery in Bilboo or the former Guggenheim lata Segas amin gallery regularly host site specific installations, performances and large scale (susually post 1960s) pieces that accept more relaxed atmospheric conditions, interaction with the public and less controlled natural light. Finally, the recent BMW Guggenheim Lab, has engaged natural atmospheres in New York, Berlin and Mumbai exploring collective events, participatory processes and relational art. 47 Rooms expands these three conditions adding a range of interior climates.

Programmatic Weather Report

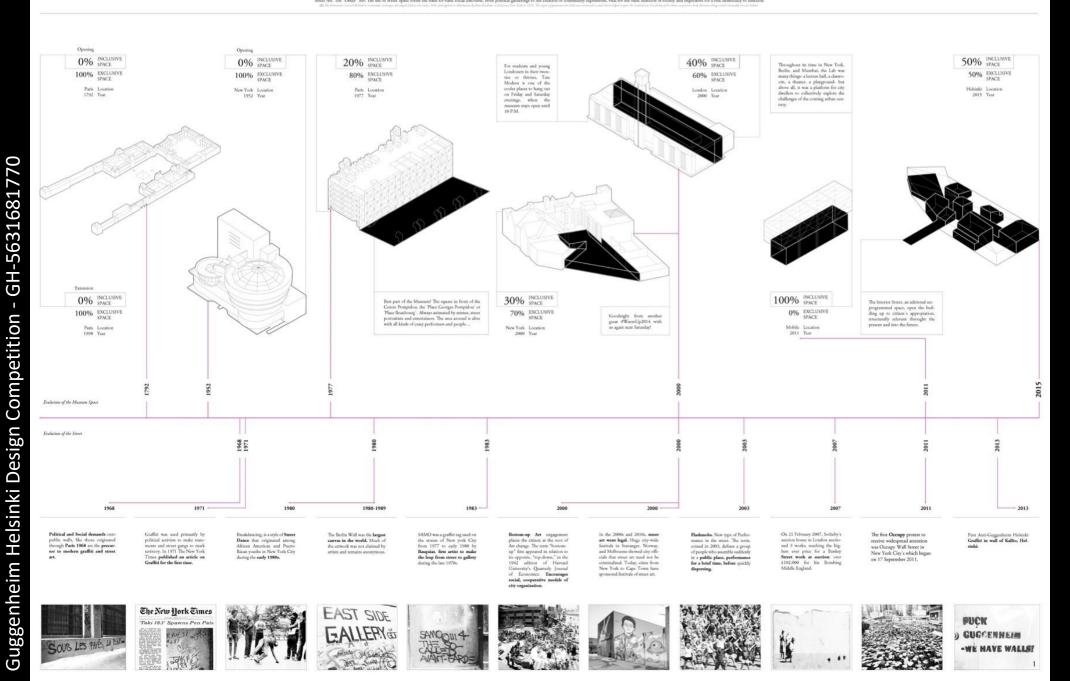
The Visitor Services are located in the first room. Three translucent curtains divide its 400m2 in thermally differentiated areas. Warmer than the 16° ± 4°C overall temperature, they host the coat check, the security control and the ticketing and information desk. The entry room opens into a wintergarden-like chamber populated pointed plants to control the humidity levels that define comfort in a 18° 4°C environment. It includes a tempered greenful that doubles as a retail space. The restaurants are accessible from the entry room and, retail area and directly from the square overlooking Eteliasatama bay. Its interior weather fluctuates between 18° and 20° ± 4°C and share a secondary but direct connection to the exhibition. beliwiem to and 20 × 4 can state of secondary but areas confluent to the exmonon galleties for special events and catering. The multi-purpose room follows the retail area and functions as the main lobby leading to the main galleries, the auditorium and the LAB. Its 20° ± 4°C and 20x20x8m dimensions make it perfect for site specific installations similar to those = 4 of an 20x2 control numerators in table is period or an as specime institutions similar to mose on the Africans of other Cougageheim Museums. Following the LAB inflates the mare surface assigned to the Multifunctional Classroom/Laboratory to 400m2 to function as extension of the main lobby or back stage of the Auditorium stage. When operating as a separate room, it replicates the technical section configuration of the Guggeheimi LAB, and it can be excentigued using curtains and the media infrastructure located in the floating substructure.

The Auditorium connects the sequence of rooms with the second level and Tähtitorninvuorer Park entry door. When not in use it functions as a grand stair whose roof could be opened Park entry door. When not in use it hunchons as a grand stair whose root could be opened during the warm season. The main Galleries, with constant conditions of 22° z=2.5°C, and relative humidity of 51% ±5% are accessible from the lobby, the LAB, the auditorium, and exceptionally from the restaurant. They are a column-free 120 by 32m space 12m high in its centre that follows the profile of the existing Makasini Terminal increasing its floortocelling space. On the other side of the galleries, the appropriated walkway that served the Saint Petersburg Ferries becomes a two-level gallery. Besides an exceptional exhibition galleries, the lower level function as circulation when the main galleries are subdivided in independent exhibitions, while the top level becomes an outstanding observatory to Helsinki's skyline and the Eteläsatama bay. Three outdoor rooms complete the building: the square that opens to the Tahiltorninvouen Park that function as a stage for the natural amphiliheatre and gets covered whet the root of the Auditorium opens; the square North of the site designed to host 1:1 architectural pieces, host open-air exhibitions, performances, screenings, and events; and the vastest of all, the Eleisadama bay that thanks to the glass façade of the appropriated walkway becomes a city-sized exhibition room.



Ectations - Inclusions While an increasing "unmificial" an was blooming in the street from 1970's. Museums have been historically focused in Gallery Are, excluding Street Art and more importantly, encluding Public Space production. Like an unmovived conflict the desire of personance of the found as a facility of Monomen and the changing nature of the Store Art have been incompatible. But what if this parades could be sobred through a binary architecture that blends the same of monomenentality with the spectacle of transformation!

Towards as Inclusive Monomen The History of Monomentality. The Architectural expressions of the Monoment as at loss has been a speciescentine of a Top Chose philosophy. Monomen have to dauge from institutions where it is institutions that are institutions that are institutions will arrive up printing conventions will arrive up printing the historical appear from the base for the historical continuous of the same of monomentality and the historical appear from the base for the historical continuous of the same of monomentality and the historical appear from the base for the base and discovers or in social and the historical appear from the base for the historical appear from the base for the base and discovers or in social appear from the base for the historical appear from the base for the base of discovers or in social appear from the base for the base of discovers or in social appear from the base for the base of discovers or in social appear from the base of the base of discovers or in social appear from the base of discovers or in social appear from the base for the base of discovers or in social appear from the base for the base of discovers or in social appear from the base for the base of discovers or in social appear from the base for the base of discovers or in social appear from the base of discovers or in social appe

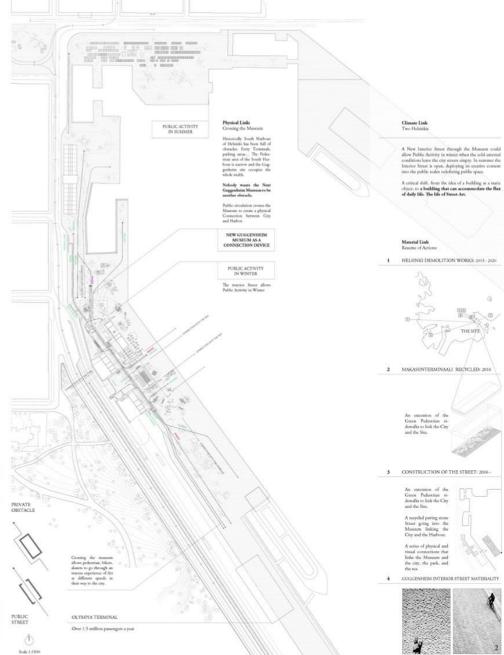


Due to its particular contense climatic conditions. There are 2 Helsindis in Helsindi. 2 different cities in 1 city. Summer Helsindi and Winter Helsindi and Winter Helsindi and Winter Helsindi and Hongres in Politic Space but more of them are not possible during the 6 cold months of the year. That means that the Oly Stocus can only be used 100% as a Public Space had of the year.

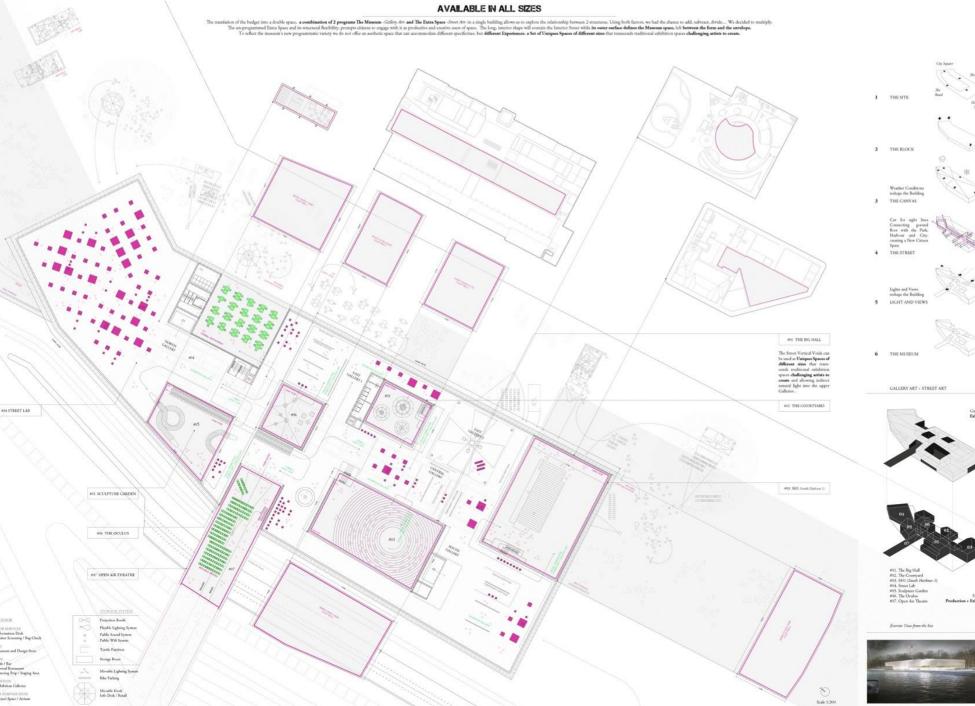
We propose a Stranger that could differ hocks to the Crop of Helsindia Stocus 1 colds Space had only the Cold months of the year.

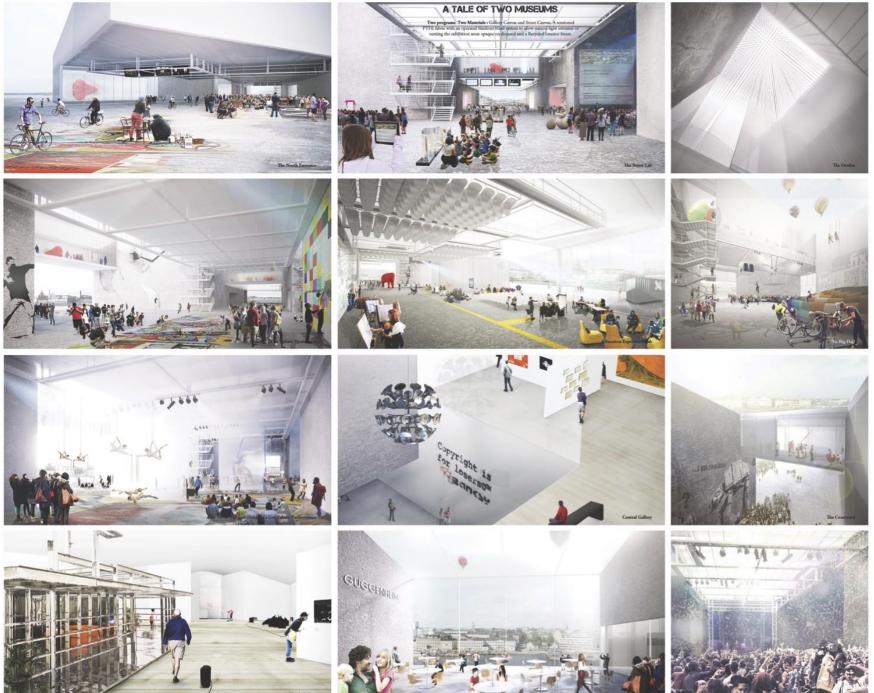
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GUGGENHEIM COMMONS





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