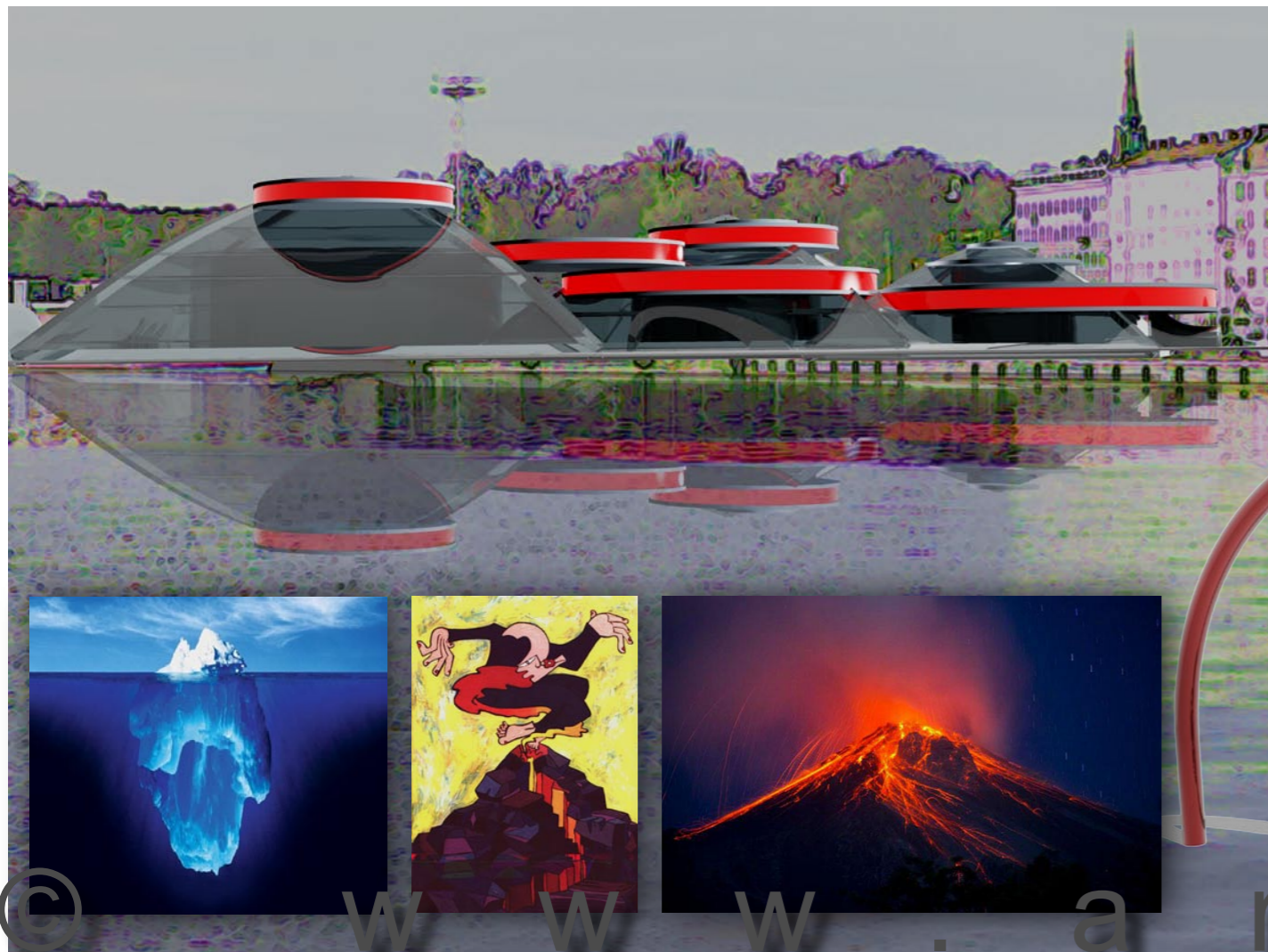




3 Simple shapes that with Special lightning would increase the character and the identity of the architecture making it changing periodically.



Iceberquiem
Pyramidus
Volcanus
Naturalys

GUGGENHEIM MUSEUM HELSINKI

Integrated [ART & TECHNOLOGY] concept in an architectural, landscaping and urban context

Registration number : GH-44095710

Cityscape : description 1



[ART & TECHNOLOGY]

This proposal is based on a purely artistic idea, conceptual assimilations, an allegory of the representation of an ICEBERG and a VOLCANO. Research & Development based on knowledge, methods and experiences interacting in the field of art, design & architecture.

The main idea aim is to develop and elevate, with artistic perspectives and methods, an architecture of world class, taking into consideration and conceptualized from, a truly artistic, philosophical point of view.

A grounded artistically starting point for scientific, technological and cultural development as well as for the enjoyment and pleasure of the visitors, citizens and workers.

The theme of the IC□
inspiration for this proposal.

In assimilation Art is not only what you see but it is as well what you feel and what you learn that stimulate creativity, communication, inspiration and innovation.

ICEBERG:

The 3 PRIMARY PYRAMIDAL shapes of this style of architecture are the building of 3 rotated bended cubes (with rounded corners).

The choice of the shape and concept of the ICEBERG having several points of view founded on the principal that it's appearance is revealed only 20 % above sea level and of its total volume, 80% of the construction is below sea level.

An organic, melting mass in Spring creating gigantic canalizing structures, eventually forming ice cascades with stalagmites and stalactites during the freezing winter periods or water cascades /fountains running along the roofs, all the way down the sea through well planned paths and irrigation ditches during the Summer months.

An entrance is created with the shape of the entrance of an igloo, a communicating passage, a sass of depressurization in order to come in the art/heart activities and creative environment.

Communicating tunnels, between interior and exterior, between cold and warm, between intimate and collective.

A pumping artery of flow of specified interactions, ventilations canals, logistic, traffic.

The material choice of the iceberg could symbolize the cold/frozen, strength, transparencies, diamond shapes, fluid and reflections of a Finnish modern equal, democratic civilization.

VOLCANO:

Shape of 3 pyramidal/volcano combined with rounded panoramic floors for several activities.

Rounded plates, platforms, UFO or cosmic ship, palettes or flowing steps of lava, a volcanic fusion or eruption when at an organized occasion fireworks could be created on the top of the building.

The heart/art beating of the cultural activities, a pumping artery, a flow of specified interactions.

The warmth, a burning energy, characteristic empathy and curiosity of attitude, the relation of Finnish citizens regarding questions about art and humanity.





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Concept Design 2 : description 2

ICEBERG, top of finished tree, forest, warm (inside) and cold (outside), light (on summer time and dark on winter time). Angular form combining with round form. Under and above water level. Obscurity and transparency appropriated for each need. With outdoor strength, environmental and organic design, interaction and movement inside (static and dynamic).

● **Contrast – complementarities - balanced:**

Hot and cold. Hard and soft. Wet and dry. Nature and culture. Individual and collective.

Angular forms combining with rounded convex or concave forms. Under and above water levels. Between outdoor "strength environment" and indoor "intimae environment", interaction and movement (static and dynamic).

● **Elements:**

- Water (flow or solid) Ice cube, cascade and fountain, sea
- Fire (light and reflections, volcano, fireworks, sun energy, cultural statement)
- Earth (wood, sand/glass, metal)
- Wind (air energy and mobile)

● **Other semantic associations:**

IGLOO:

Welcome doorway of depressurization in order to enter into the art environment.

HEART:

in assimilation with heart/art pumping, the veins of artistically activities.

PINE CONE:

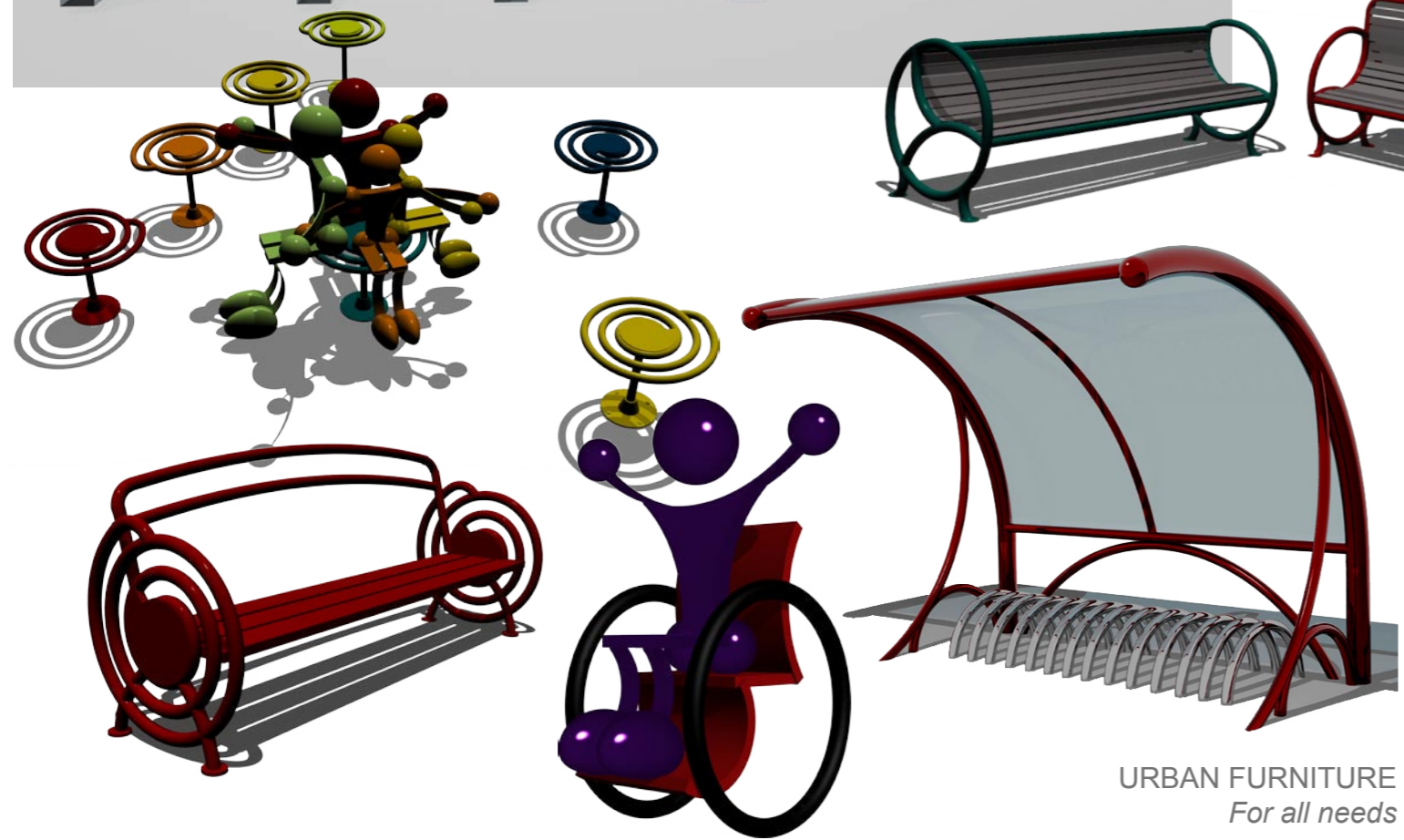
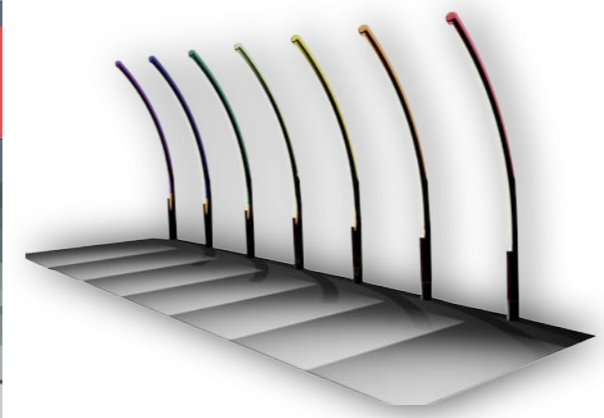
Wood, fruits, forest, spiral, module, texture and pattern.

DAY and NIGHT:
light in summer time and dark in winter time, obscurity and transparency in opposition, appropriated for each function.

With outdoor strength, environmental and organic design, interaction and movement inside (static and dynamic).

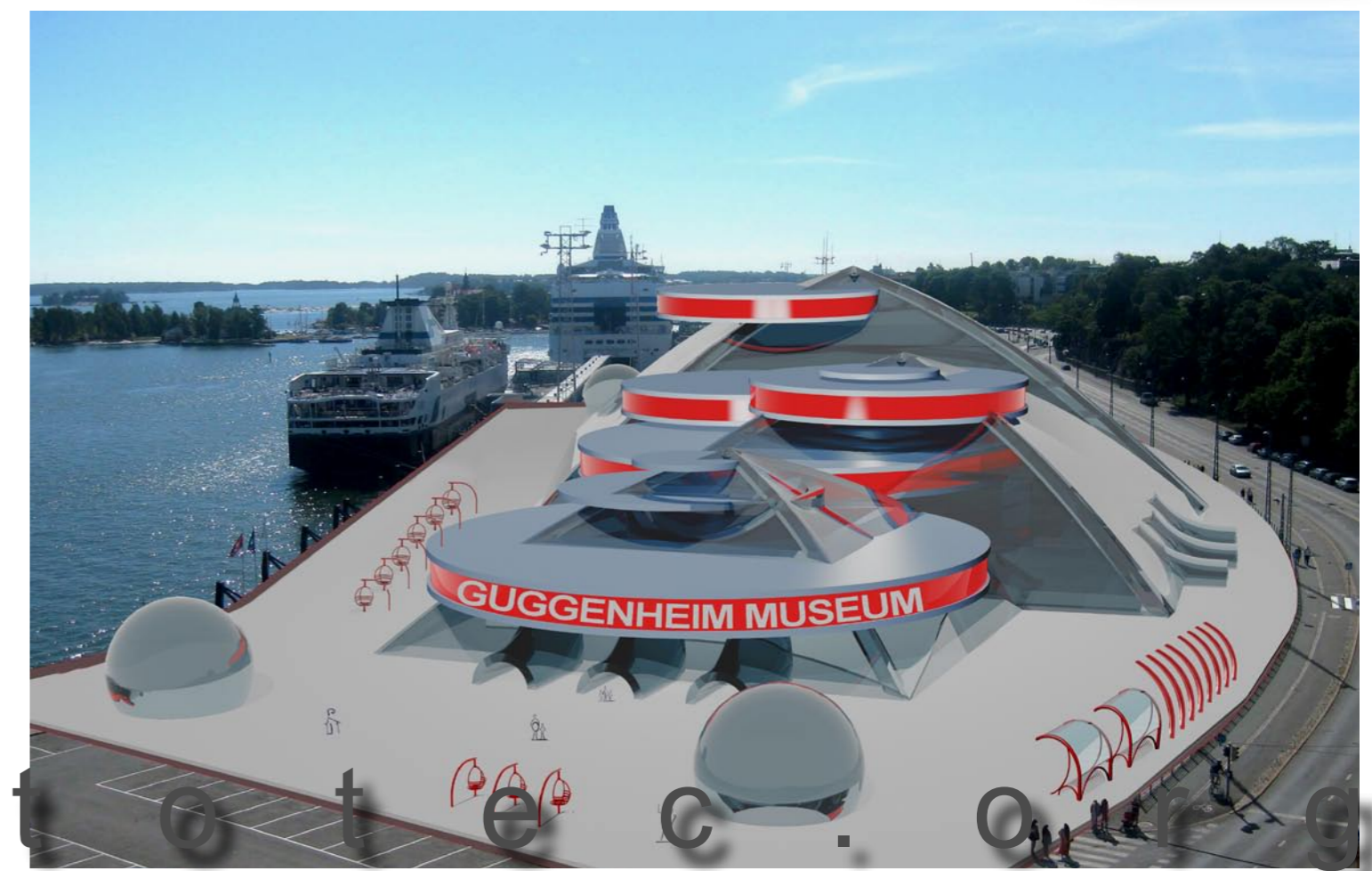
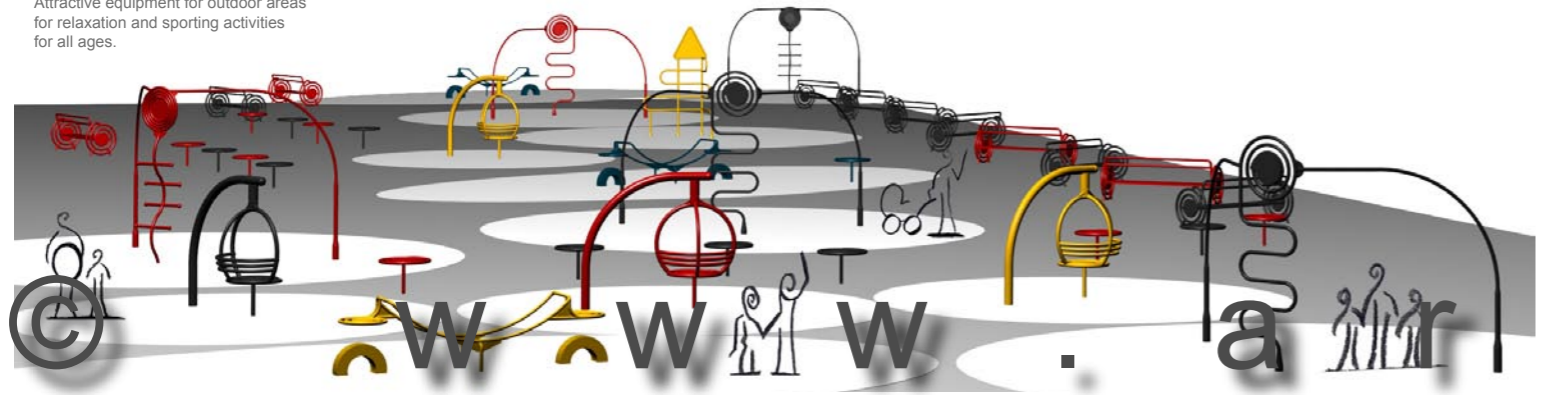
● The interior designed essentially with organic shapes of natural treated birch wood with the aim of preserving a natural, ecological and rough style, a warm sensation and a national identity.

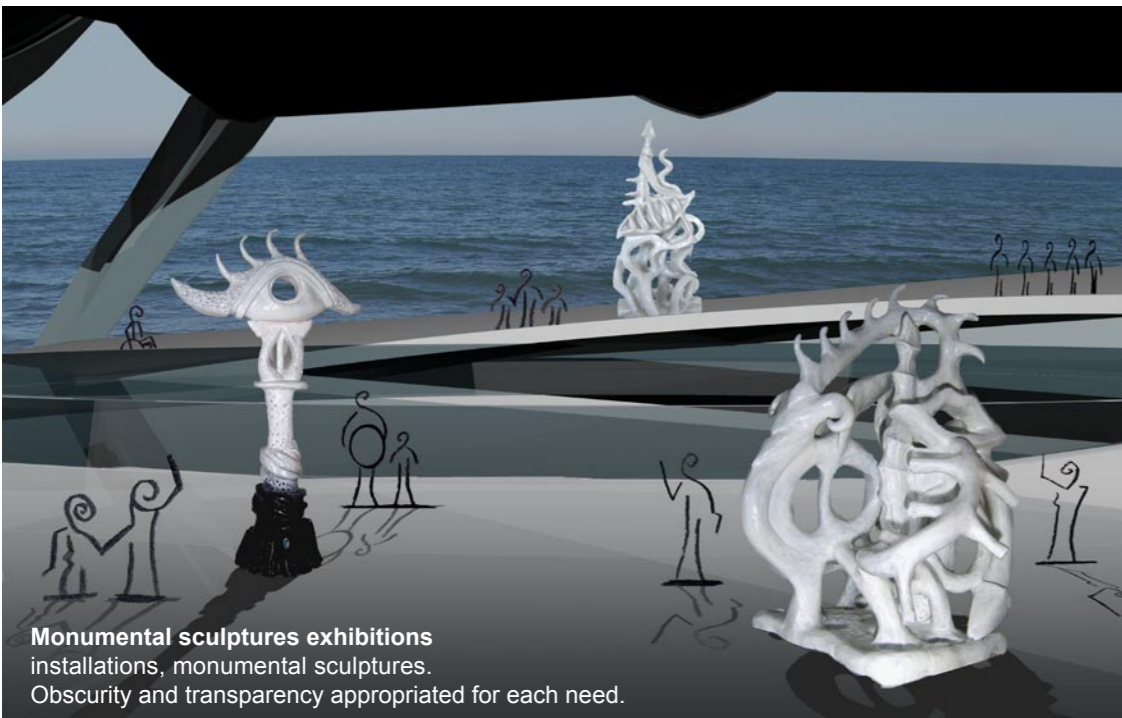
Finland is well known and large producer of high quality sustainable wood and has a great knowledge of how to work it, transform it and maintain it (with talented results during history) especially in the field of design and architecture.



URBAN FURNITURE
For all needs

Attractive equipment for outdoor areas for relaxation and sporting activities for all ages.

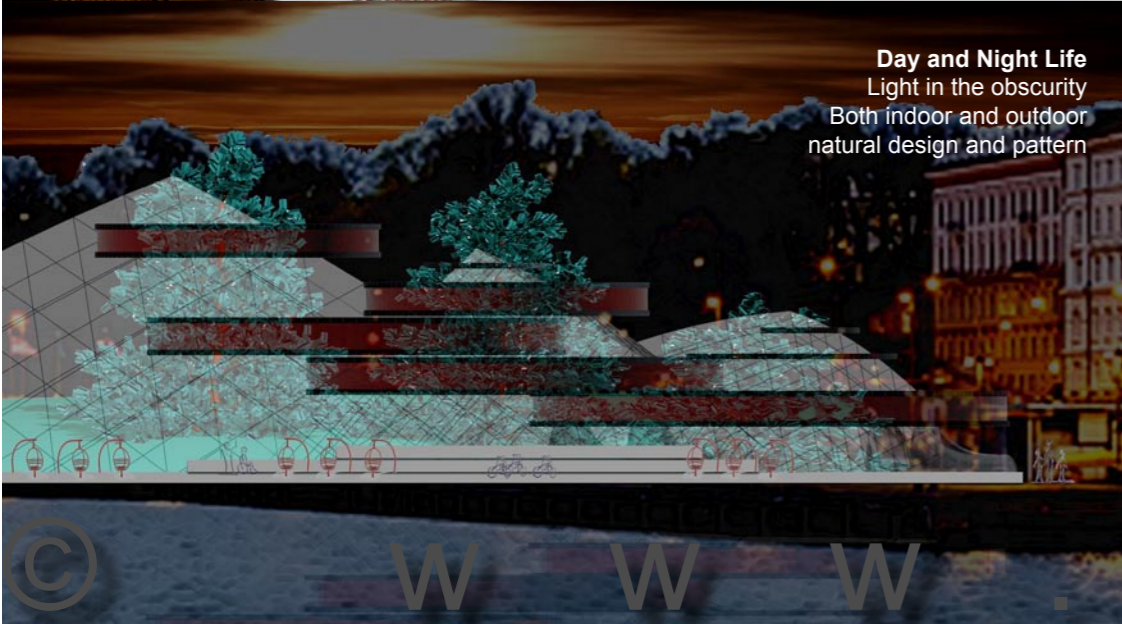




Monumental sculptures exhibitions
installations, monumental sculptures.
Obscurity and transparency appropriated for each need.



Volcano Eruption
Fire works for special events



Day and Night Life
Light in the obscurity
Both indoor and outdoor
natural design and pattern



Acoustic regulator

Tratti is a sculptural space structure and sound absorber. It is designed to be used indoor public spaces as in libraries, waiting halls or open offices. The aim of the design was to define a certain space from above. Used materials are textile, wood and aluminium.



Interior area and design

Spacefull and flexible 3-5 floors openspaces for permanent and temporary exhibitions, installations etc...
3 large halls for several activities with resources by day light through the open central patio and through the glassed architecture and roof.
Organic warm designed furniture and spatial conception essentially manufactured in light wood, glass with bearing construction in metal and glass.
Spiral formed elevation in different floors



Art / Interact Interaction
Burning and beating artistical activities

GUGGENHEIM MUSEUM HELSINKI

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Concept Design 3 : description 3

Material choice:

● **Façade:**

Hammer Glass (auto cleaner with sun energy receptor), metal construction (special designed modulated bearing parts) and concrete levels with panoramic view over the sea, the town and outdoor arranged spaces, permitted some graphics projections of the façade and reflected or welded in the changeable environment.

● **Interior:**

A wood designed interior the opposite of the out side strength to develop a sensation of well being, natural, organically rounded shapes warm and tactile typical of the contemporary Finnish design and tradition, simple, functional and in harmony. A Living place adapted to space, activities and fruitful interactions.

Material feasibilities:

● Construction: metal is a well known and investigated industry in Finland which could facilitate the feasibility, resistant and long life properties that guarantee the longevity and easy maintenance of the bearing constructions.

● Glass and sand is part of a traditional material in Finland.

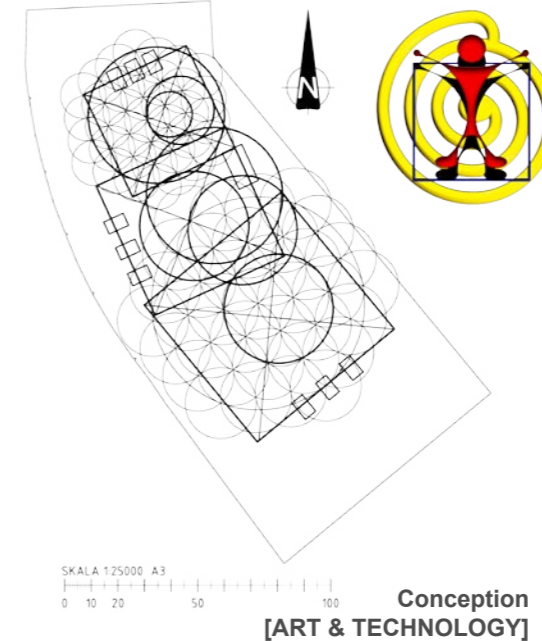
● Wood interior design

Using the out door spaces to several activities:

● A designed park with opportunities to show monumental works and outdoor installations.

● Projector and lightning on the façade.

● Restaurant/bar placed on the furnished deck near by the sea.

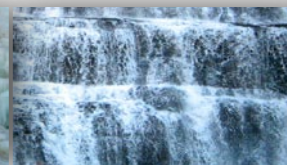


Aurora borealis

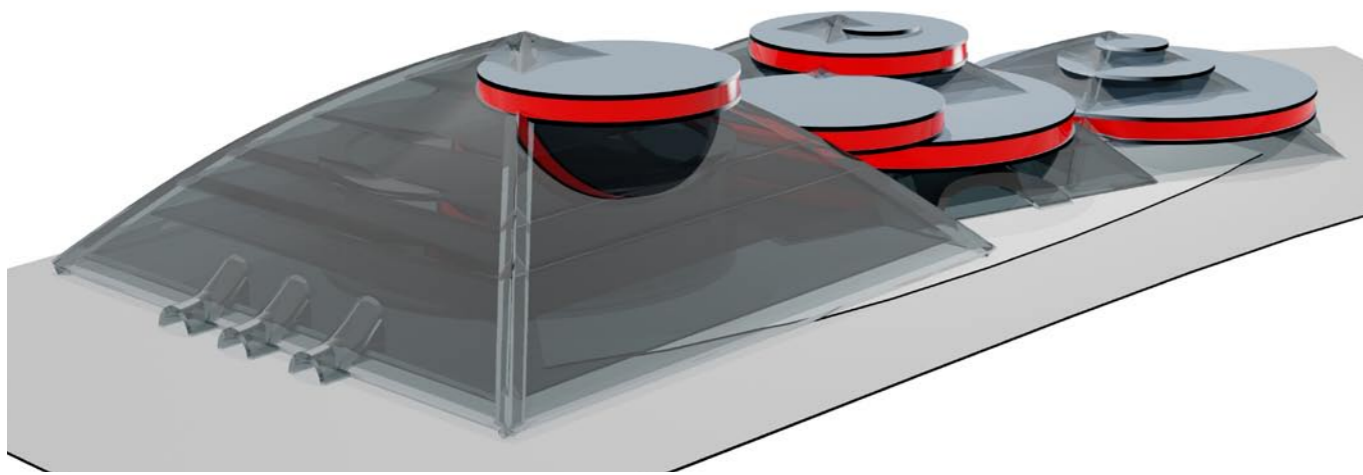
Ice cascade

Fountain

Igloo



Iceberg - Ice cascade - Ice cubes
Arranged and controlled irrigations
Outdoor organized annual
Light and Ice Sculpture Symposium



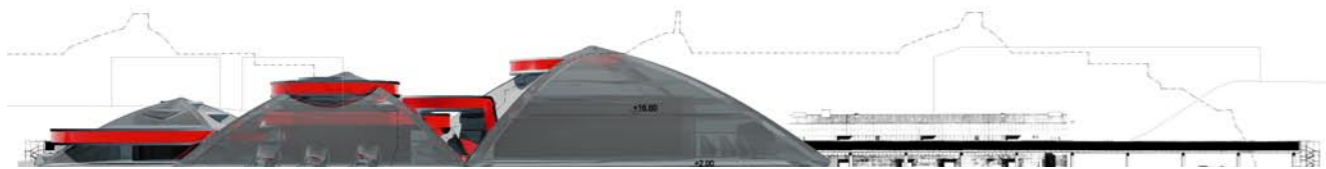
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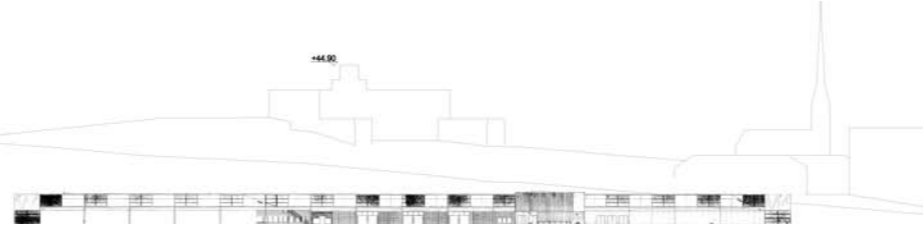
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Sustainability/Feasibility : description 4



FACADES A-A



FACADES B-B

The proposal is grounded on a fruitful interaction/combination, an application of natural phenomena and methodology (biomimicry) welding with an elaborated modern technology according to the latest environmental regulations and expectations (especially regarding energy consumption). Taking into consideration the natural resources of the environment, the country and the city integrated in the architecture and their activities.

Using the 3-5 floors x 3 buildings over ground area and panoramic platforms:

3 - 5 floors specially dedicated to

- Adapted temporary exhibitions, installations, monumental sculptures, 3 large halls for several activities with resources by day light through the open central patio and through the glassed architecture and roof.
- Events, concerts, shops, restaurants, entrance, projections facilities for large images both inside and outside the building.
- Panoramic views from the platforms over the landscape/planned outdoor park and the architecture angles and corners with a bird perspective.

Using the 3 floors x 3 buildings underground area and building communications tunnels:

3 floors specially dedicated to

- Visual art: Photography, films, cinema, computer art, multimedia, exhibitions that need special lighting.
- Conference spaces, workshops, research laboratory, print facilities area and educational adapted spaces
- Preservation of Art pieces, Art bank, conservation and preparation facilities spaces for outgoing and upcoming exhibitions.
- Offices, library, security area, personal room, kitchen, toilettes, workshops.
- Tunnels for delivery, road access, port operations and parking.

Temperature energy accommodation installed and integrated into the building with the aim to produce energy from natural resources - air, ground and water.

- Air - Wind energy produced in the appropriate exposed environment (usually produced nearby the water front)
- Ground - energy produced by the temperature shift in the ground.
- Water - energy produced by the sea, ice, snow and rain mostly on autumn and winter time.

Incorporating:

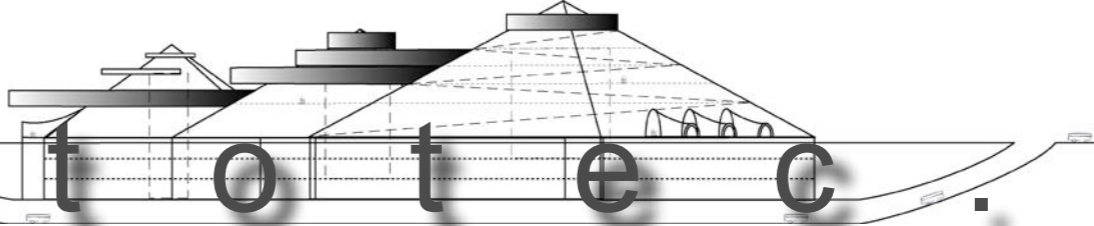
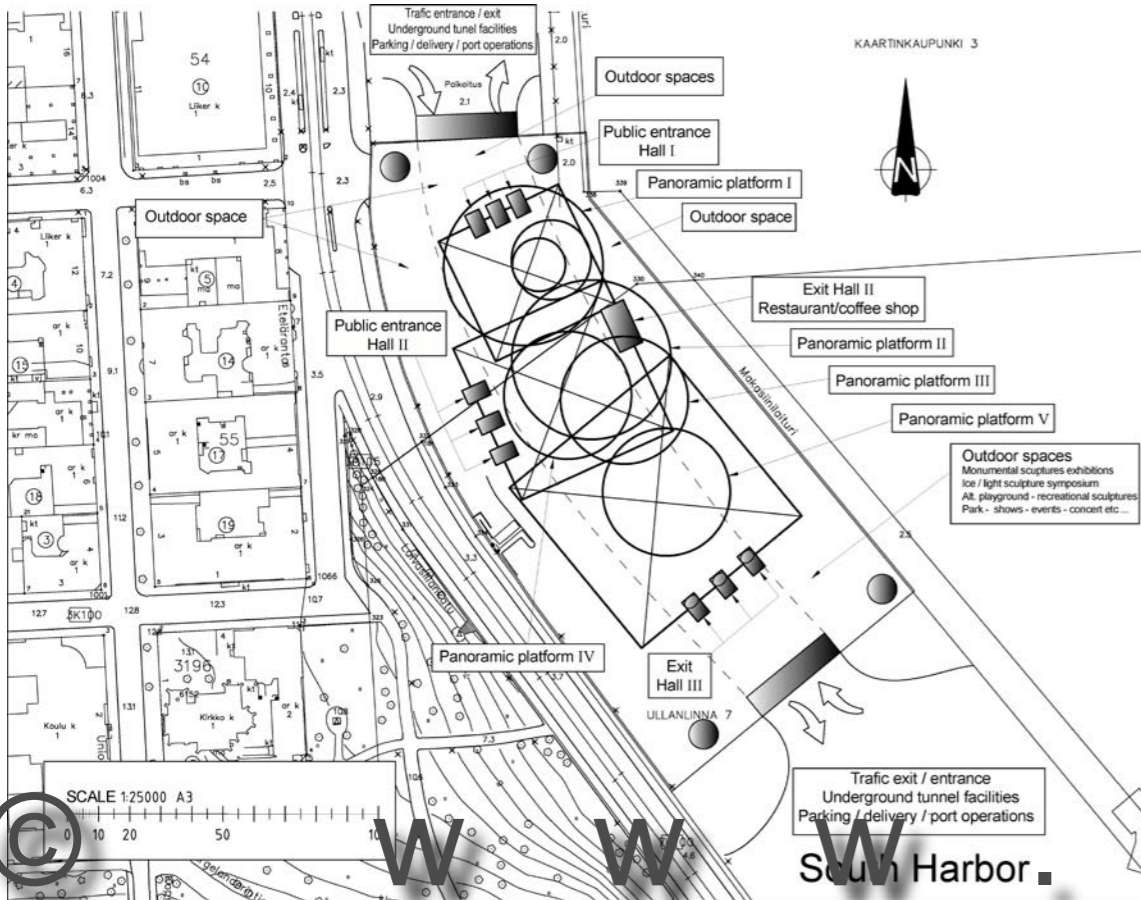
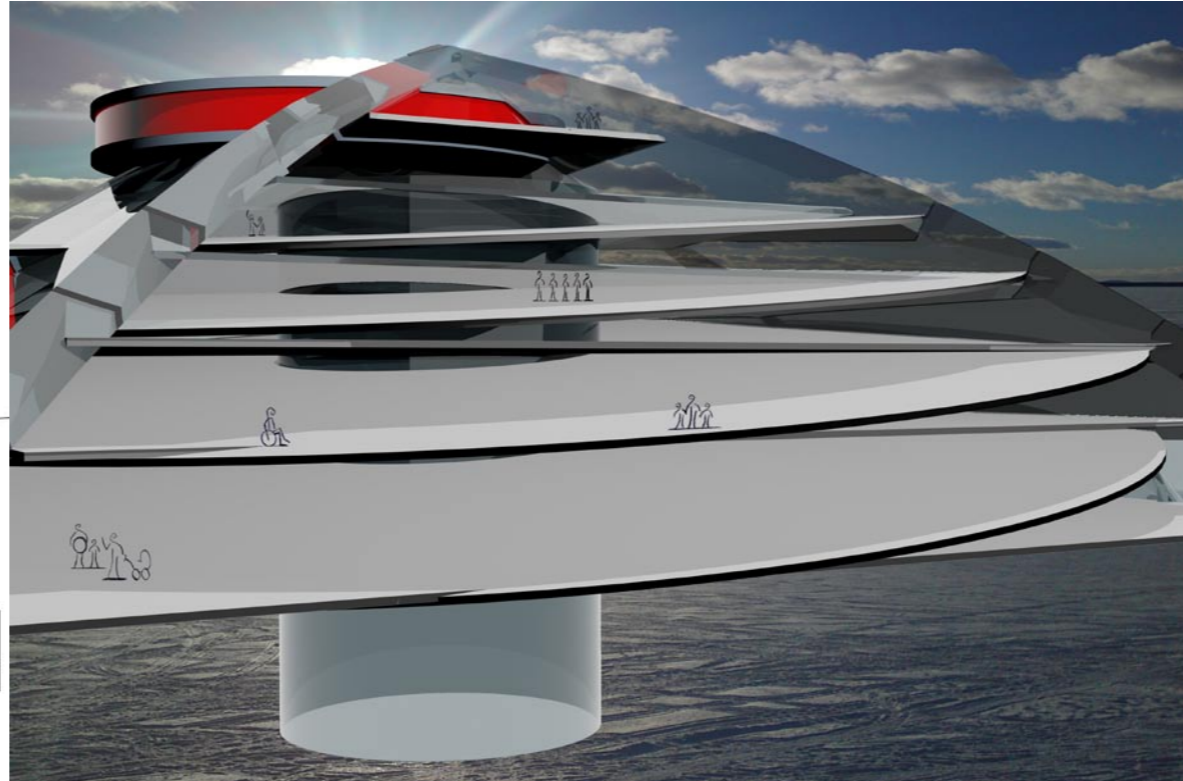
- Sun energy produced by the architectural shell especially on spring/summer time.
- Human energy produced, managing and canalizing in the building and ventilation system.
- Part recuperation of lightning and mechanical energy.

Acoustic:

In the Guggenheim Helsinki art-museum the experience of indoor climate is of great importance. It shall suit the exhibitions and be comfortable to the visitors. Furthermore it shall be able to modify and be a variable stimulation from room to room. Hall to hall. One of the most important factors in indoor climate is ACOUSTICS. The exhibition halls will be shaped to give an hearing impression of intimacy to public hall and outside conditions insides. The hearing in the room will match the special purpose for each hall/room in room-acoustics.

Regarding noise all interior will be quite. In working areas, meeting areas etc all interior demands for working-spaces will be fulfilled re the local regulations.

In outside open areas for visitors and exhibition the traffic noise will not be heard.



PYRAMID I : Height 18 m / 3 floors
PYRAMID II : Height 22 m / 4 floors
PYRAMID III : Height 25 m / 5 floors

Underground levels : 3 floors + 1 tunnel
Level -1 : Visual art
Level -2 : Offices
Level -3 : Art bank / workshop
Underground tunnel : Parking and traffic