

This project is a modification of four cylinders

made of cement and trasforming them into a

The hotel is composed of four cylinders, the

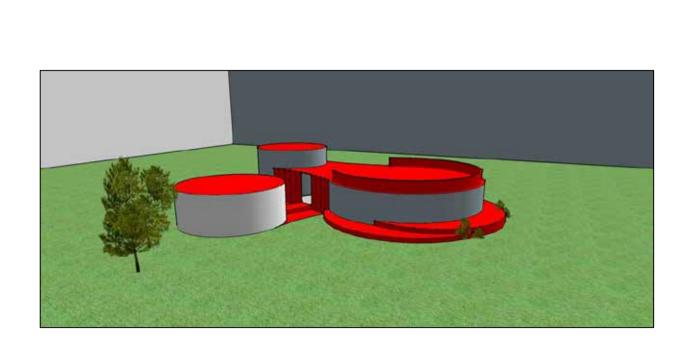
central one is the entrance that conect the

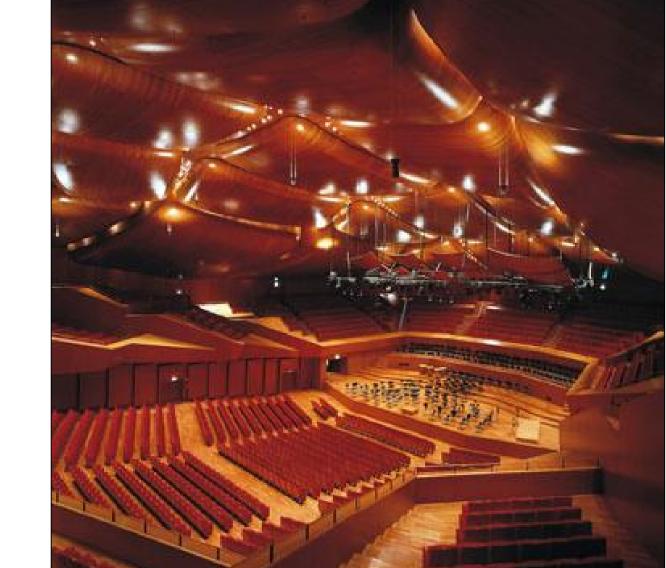
It is situated in Porto Marghera facing to

Hotel.

Darsena Petroven.

others (rooms and services).





In my project I decided to reuse a complex of three gasometers

However the smallest one are the tallest (13 meters) in the

My idea is to provide a concert hall incorporated with a music

school. All three gasometers are characterized by green garden roofs

and largest of them is composed by a panoramic terrace which allows

located in Porto Marghera. These structures are different for height

and width. The smallest gasometer is 22 meteres large (diameter)

and the largest is 40 meters.

the view to the city of Venice.





I chose this building for its locations which overlooks the nearby

islands on the other side of the canal. Another motivation of why

I chose it is because it has a large free space all around , which

can be used in various and different ways, like a garden to relax,

to have a shaded area for the hottest days or as space for

be subject to renewal in the future can be put into to

such a sas reception area before entering the hotel, like the park

parties or refreshments. Also being near to the islands that may

communication using bridges to take advantage of the works to

time retaining the character. To modenize are added in volums

that protrude from the basic structure of different sizes so as to

create a shadow play between them so as to appear that are

superimposed. The idea is to create a modern hotel but that

return that already existing.

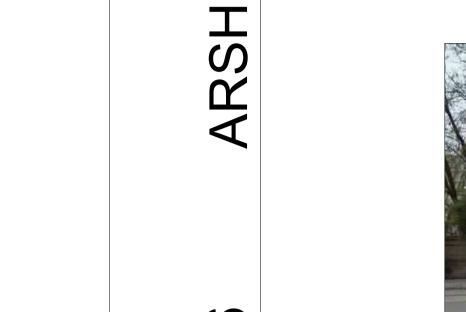
be carried out there. Instaed the chosen building will undergo

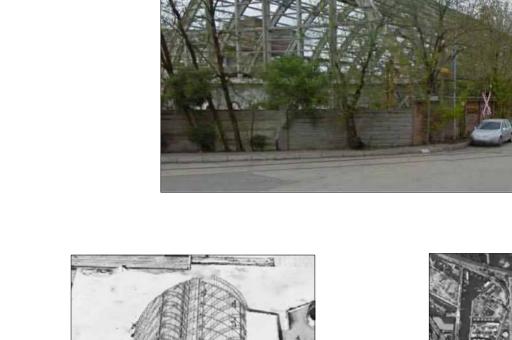
total renovation to make so that it is modern but at the same













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The structure taking into consideration for the project is a

complex that will be reused to have a Botanical Garden, the

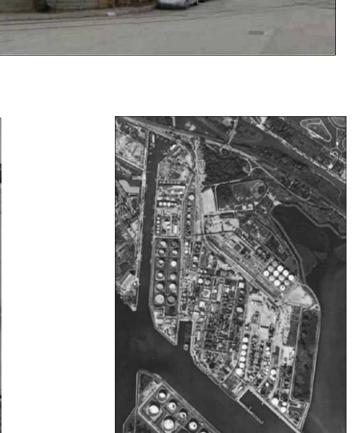
need to build it all. the structure will be covered all with glass,

so you can use natural sunlight. This project was born from the

idea was to reuse what already exist in Marghera and don't

need to have more green space for sharing, for adults and

children.









My idea was to reuse the existing structure, which is a sort of shed,

to create a concert hall, dedicated to the Opera. I want to open the

structure, sliding the cover outwards creating, in this way, a central

stage in the centre of the building. I want also use some containers

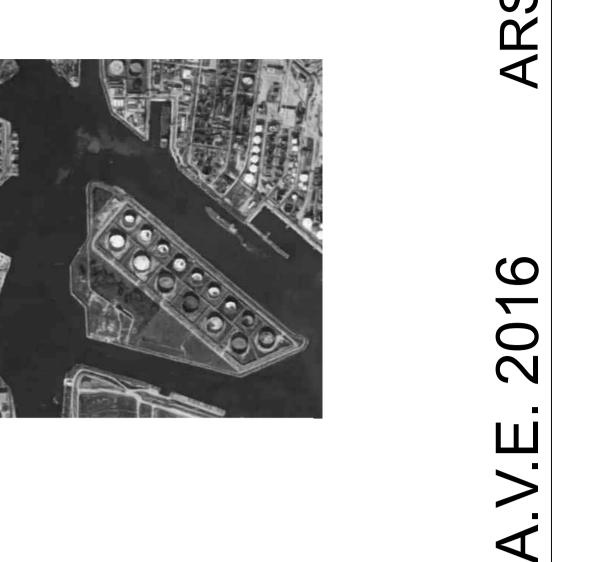
band made by glass, which let in the light. Indeed I like to put the

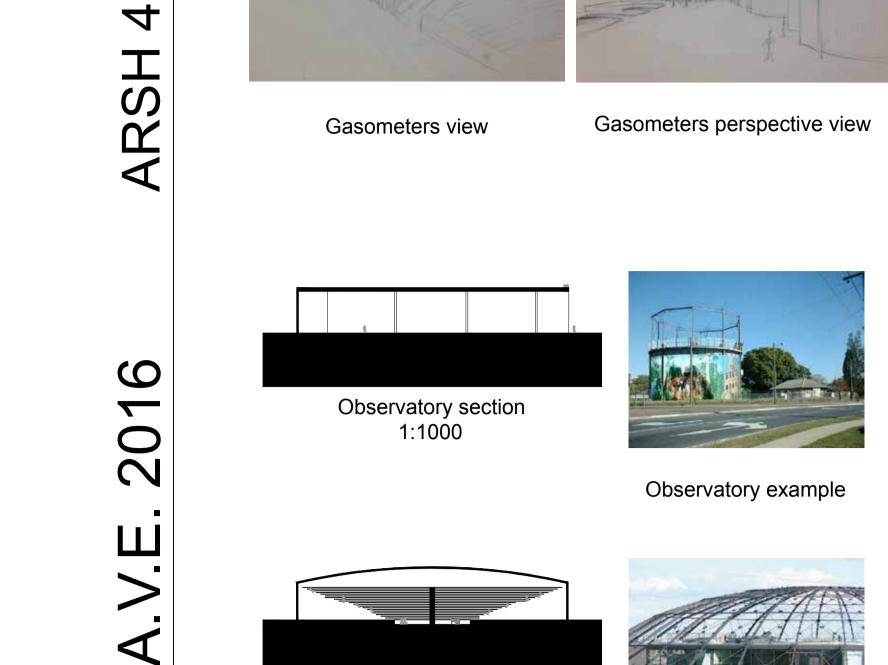
to collect water by the coverage, to create some small pools of

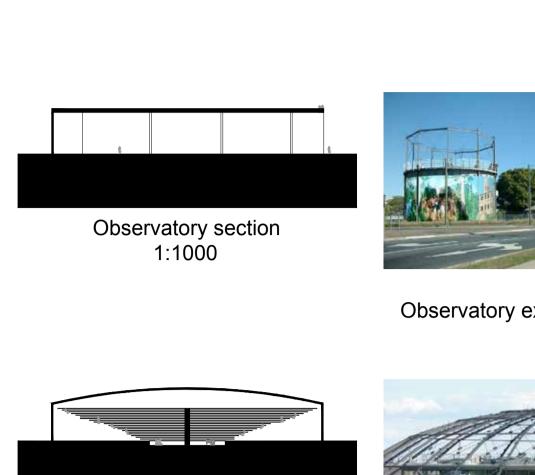
water on the longest side of the concert hal. I imagine all this

who land in the island by boat.

structure surranded by a green park and by a walkway for people







Aereal view Petroleum Island

The area which has been analysed concerns the Petroleum

The four gasometers are connected with a boardwalk, that is

The reason why I choose these elements are dictated by the

Gasometers are intended to be destinated for many different

gasometers, which extend from the upper right corner to the middle

developing from the higher silos (the observatory) to the lower (the

fact that they are the biggest silos in the island, and in addition they

functions: observatory pointed towards Venice, museum, museum

Island. In particular, I want to concentrate on the four big

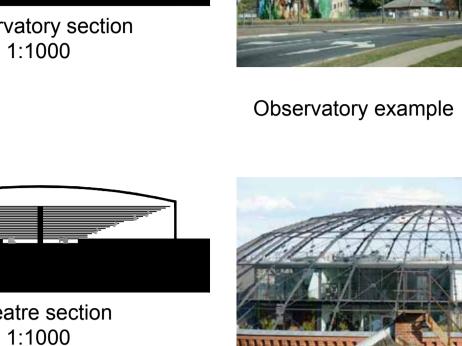
of the island.

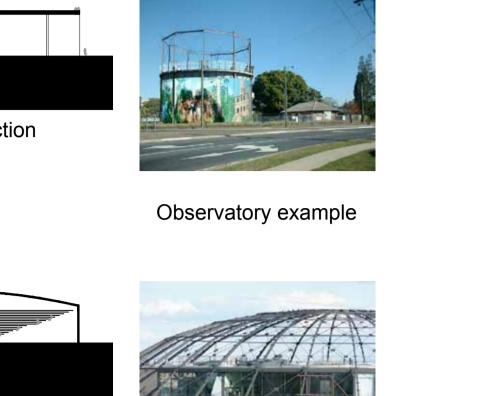
modern theatre).

present the optimal position to me.

of multimedia arts, modern theatre.

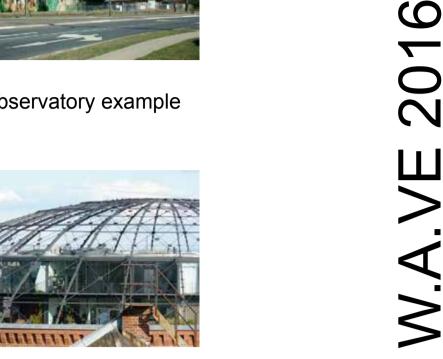
Plant sketch



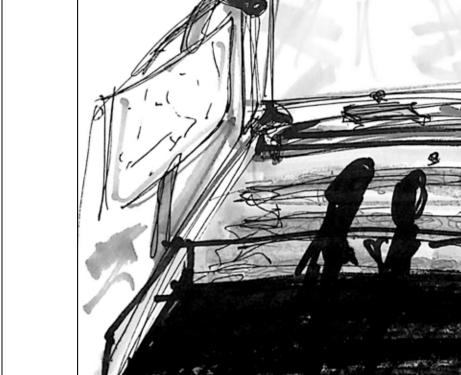


Theatre roof example

Observatory section















The building's morphology and its linking with the other areas could represent a new type of development. The main idea is to create a theatre in which could be congresses or

The first one changes the length of the paraboloid, the second one is

open to show the iron structure, instead the third one is composed

by piers which is a "promenade" and it brings people to the entrance

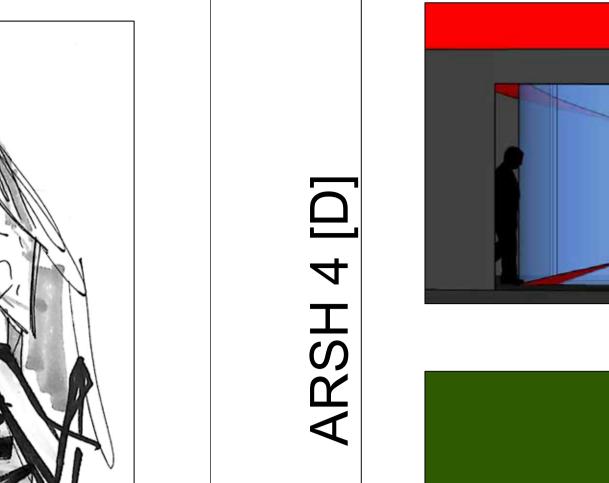
The "promenade" made by the preexistent structure is very

interesting to learn more from Venice and Porto Marghera.

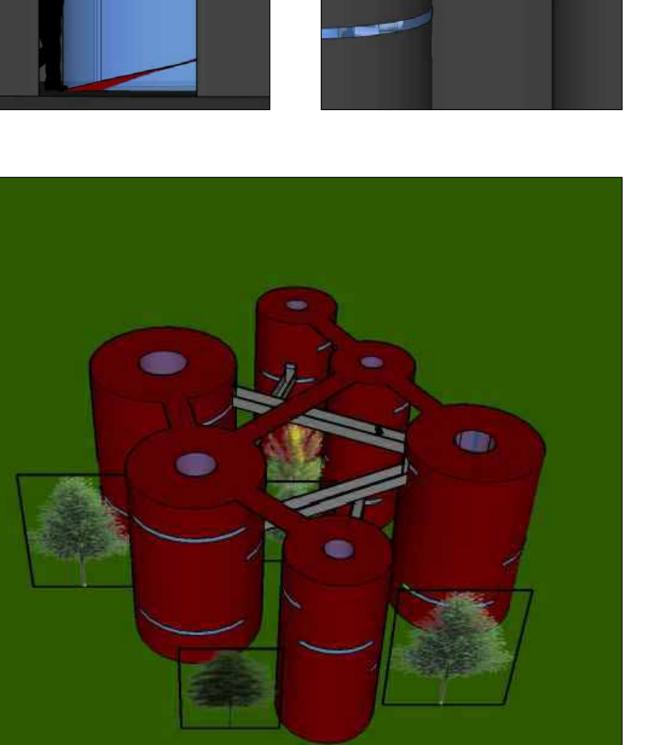
exhibitions. The building is divided into three parts.

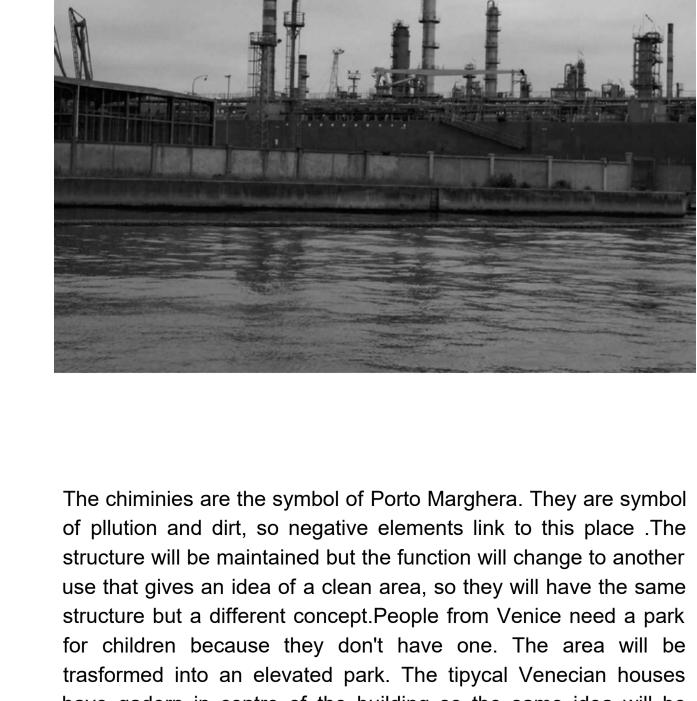
of the theatre.



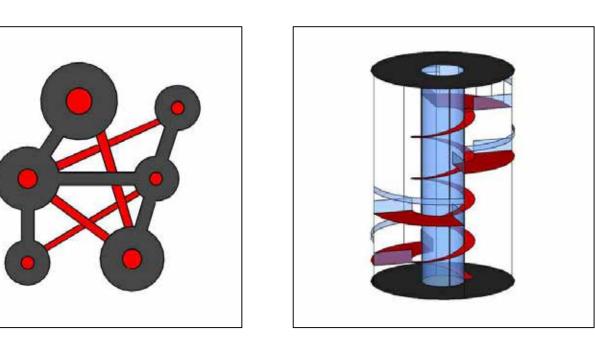








of pllution and dirt, so negative elements link to this place .The structure will be maintained but the function will change to another use that gives an idea of a clean area, so they will have the same structure but a different concept.People from Venice need a park for children because they don't have one. The area will be trasformed into an elevated park. The tipycal Venecian houses have gadern in centre of the building so the same idea will be trasferd to the chiminies area.From an aisle that move around the old factory it will be possible to arrive into the elevated park. People during the walk can see first Marghera then Venice and finally again Porto Marghera: it will be a pondering point of view. People form the top of the garden they can see the chiminies growing from the ground an the old factories under their foot. Under the park it will possible to walk around the factories and eat in a new restaurant. There is a lift that leads you to the elevated park.



This building is located near the area of Vega and Expo Venice. It is composed of six silos with different dimensions and connected to

The project idea is to reuse these existing structure and to transform

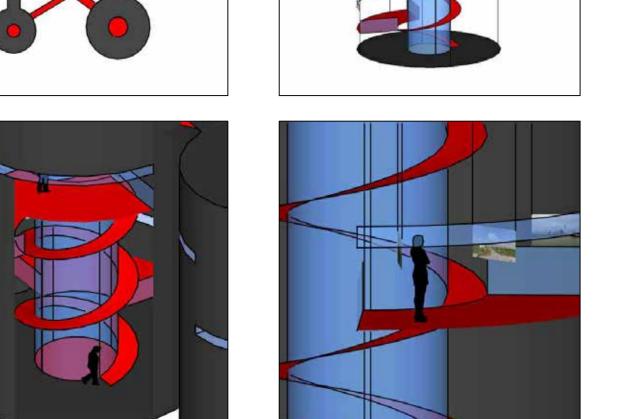
it into a museum. Inside each silos a glass cylinder will be built to provide sunlight, and an elicoidale stair turning around it. This stair lead to different levels where you can find some exibition panels

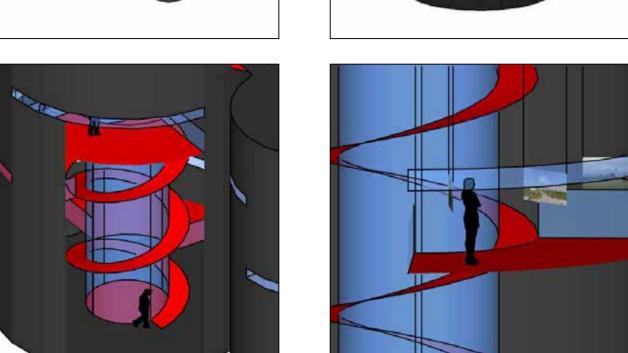
about Venice and Porto Marghera's history. One of the silos contains

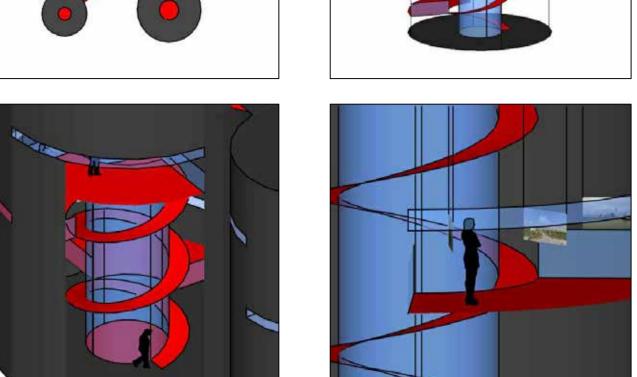
the main services (like toilets and a restaurant).

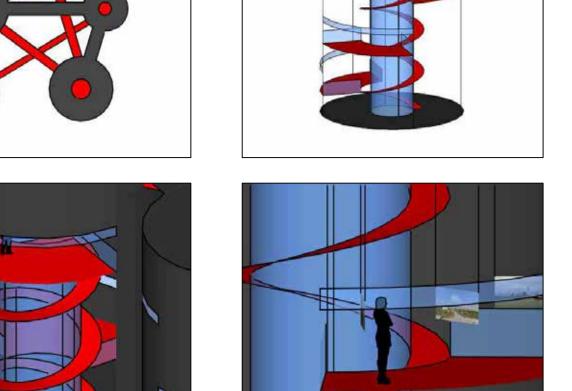
New connection will be created between the silos.

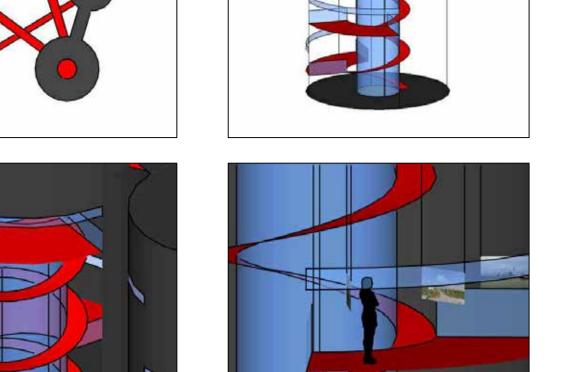
each other at their top.

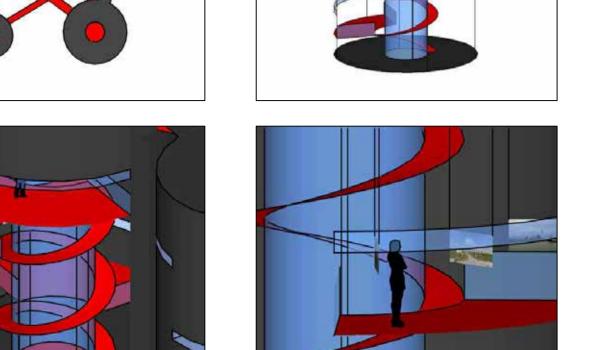


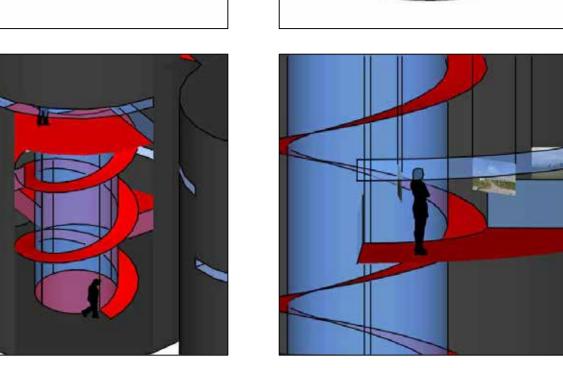


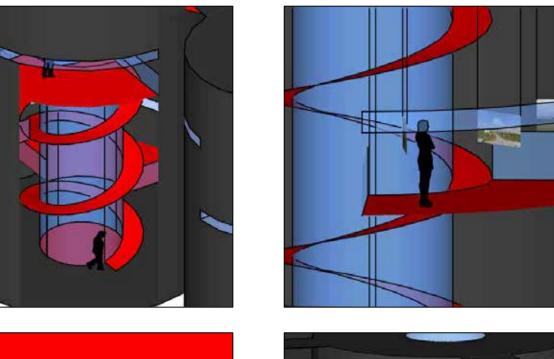


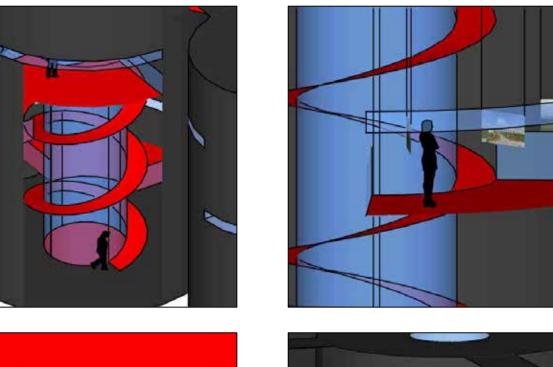


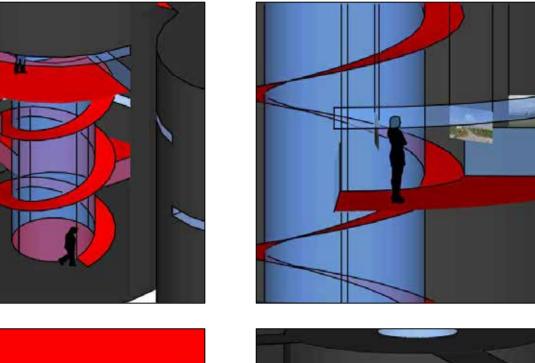


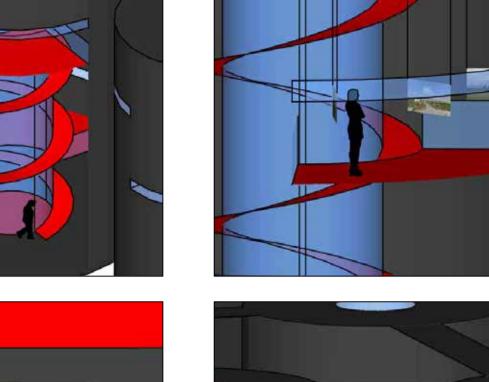


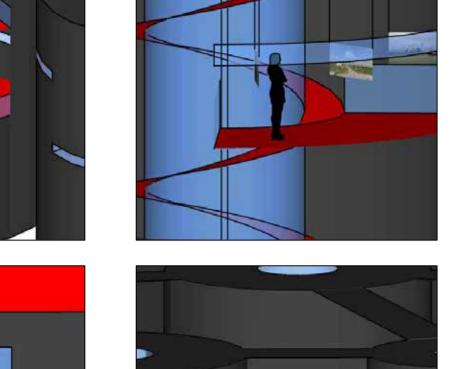


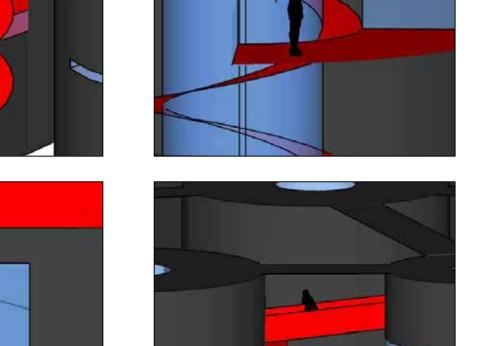


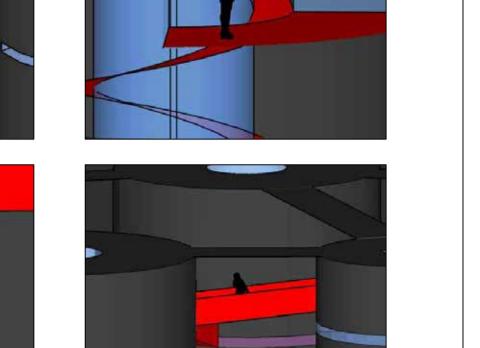


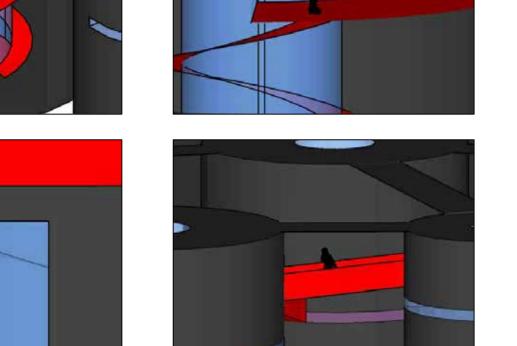


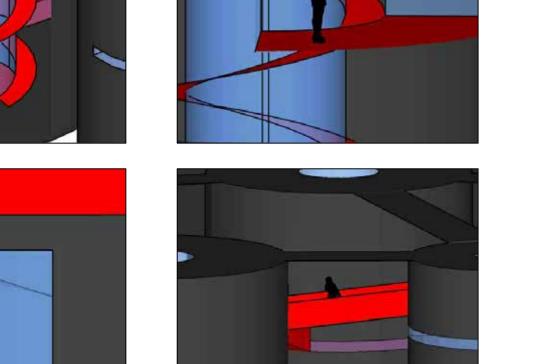


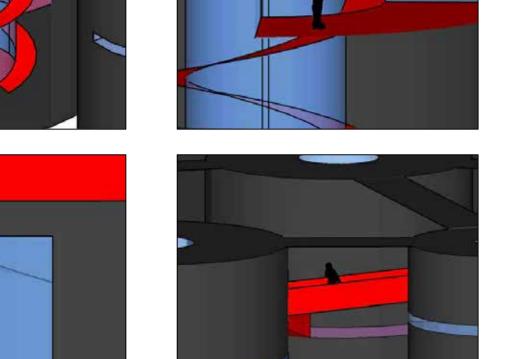


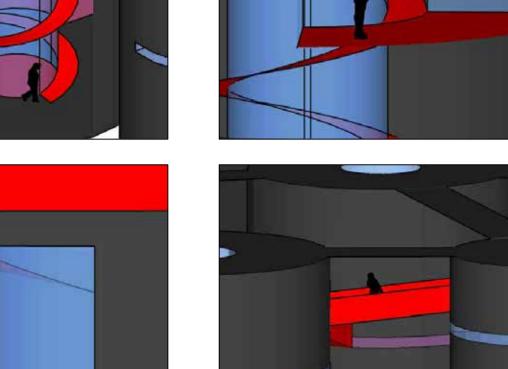


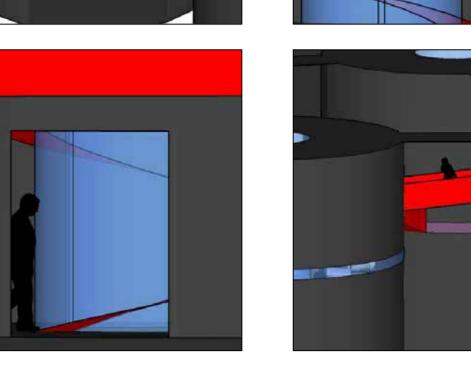


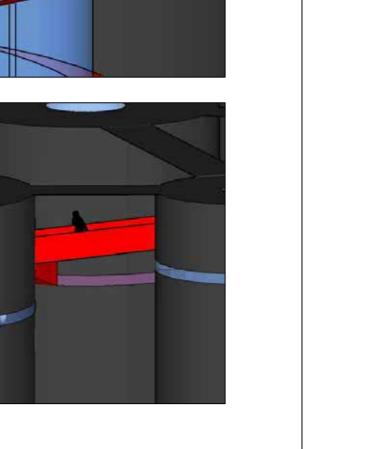


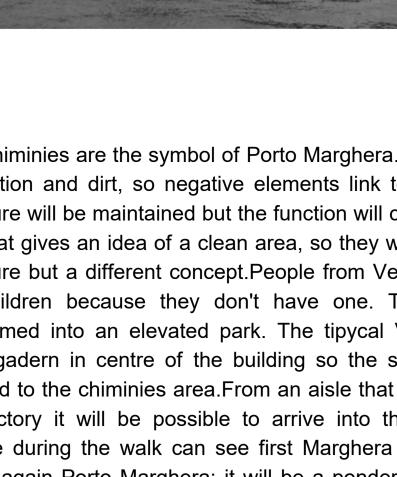


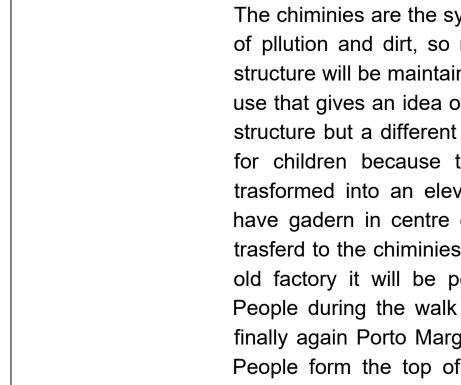


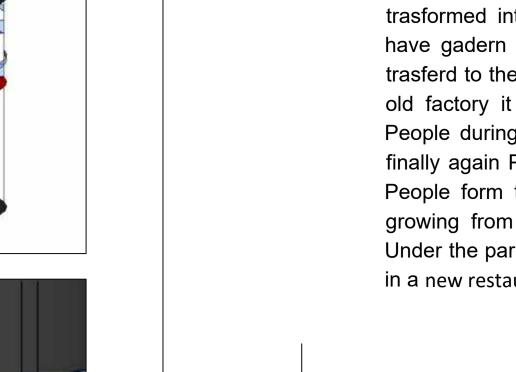


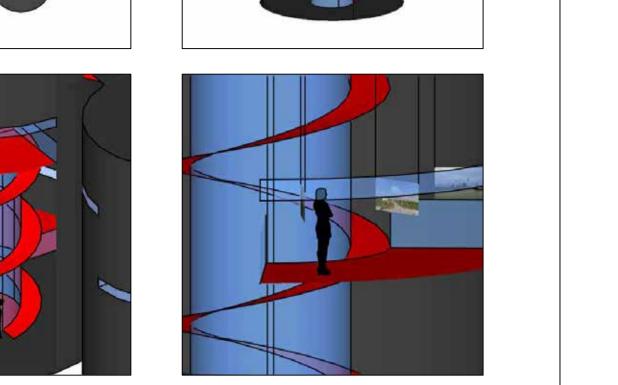


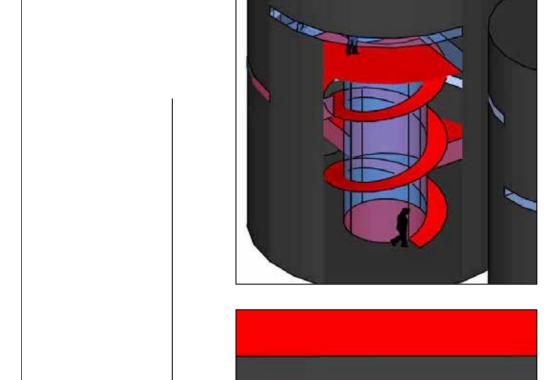


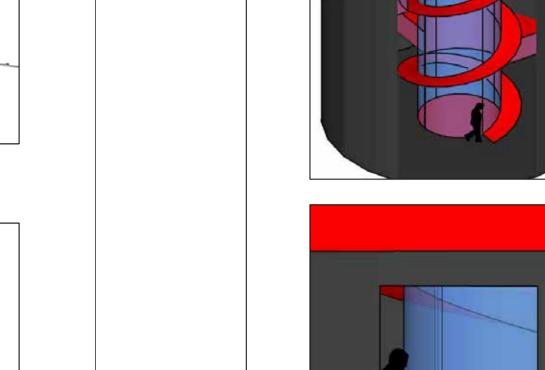


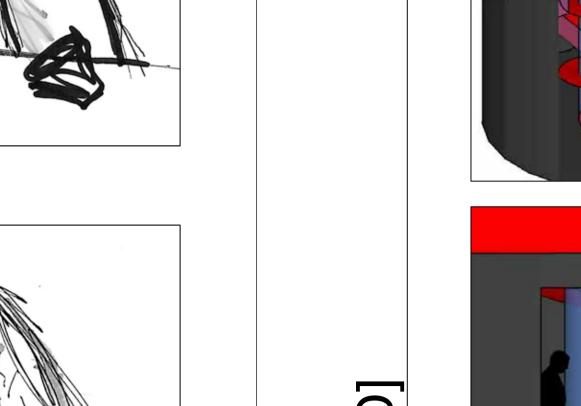




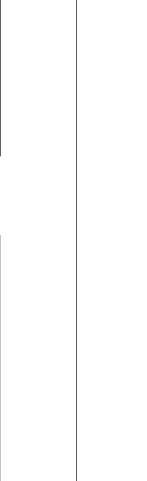






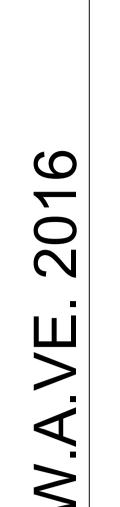


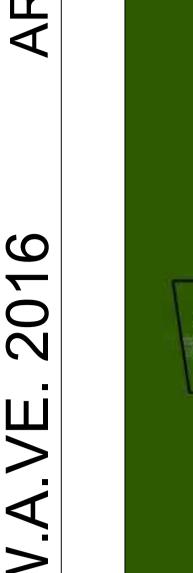


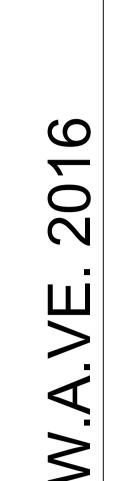


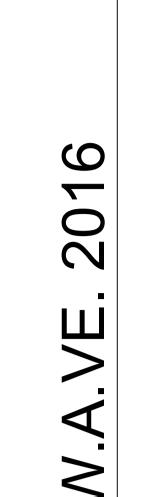


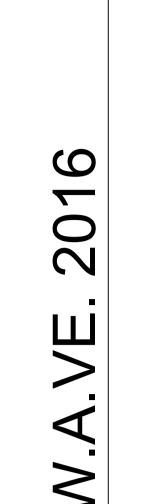






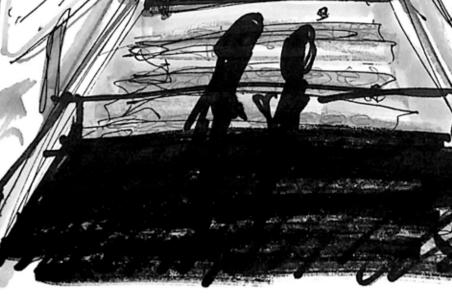






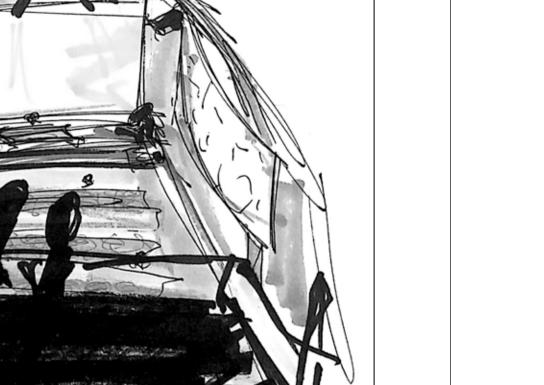


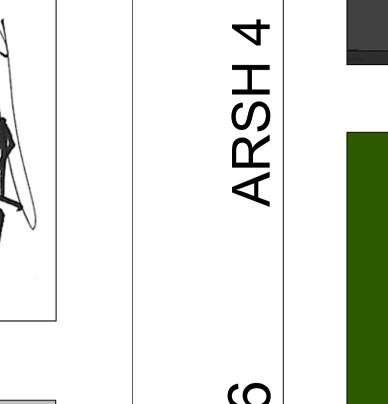


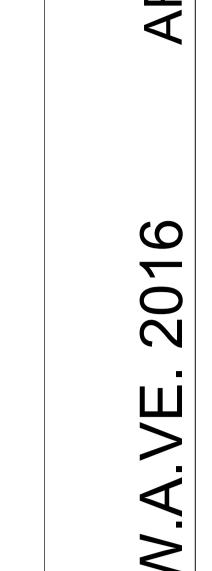


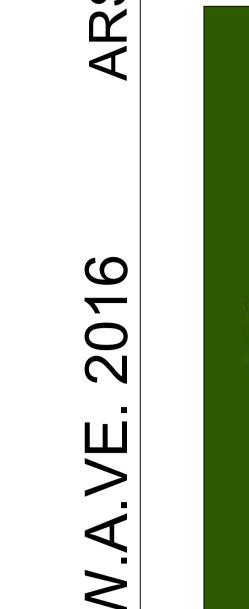




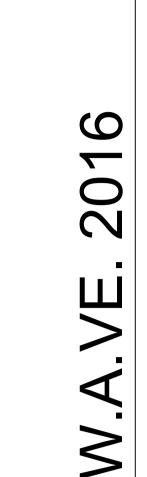






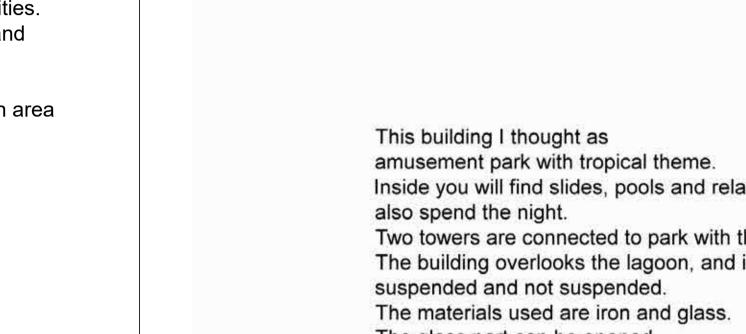




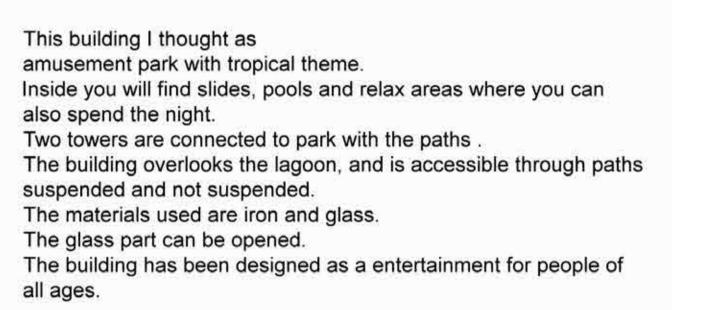


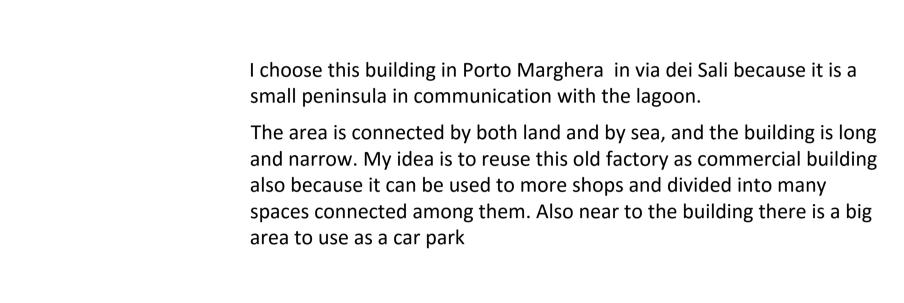


My idea is to create a pedestrian and bicycle area along the coast of the refinery area. The paths represented by the orange color are formed by raised and twisted road between them. Along this route you can find relax areas, dining areas and some leisure activities. The road connects the new residential area with the square and the tower, which is a good view towards Venice. The square consists of a series of tree-lined paths and a dock for boats. Through the road and the square trying to create a new green area that connects the old abandoned forest area behind the residences.



all ages.





The chosen building is located in the northen area and includes two

The project will focus on creating a parking area following the circular shapes of the gasometers. the car park is connected with the streets

of Marghera and become a future link betwneen the mainland and the

This gasometers infact is located near a little portual area.

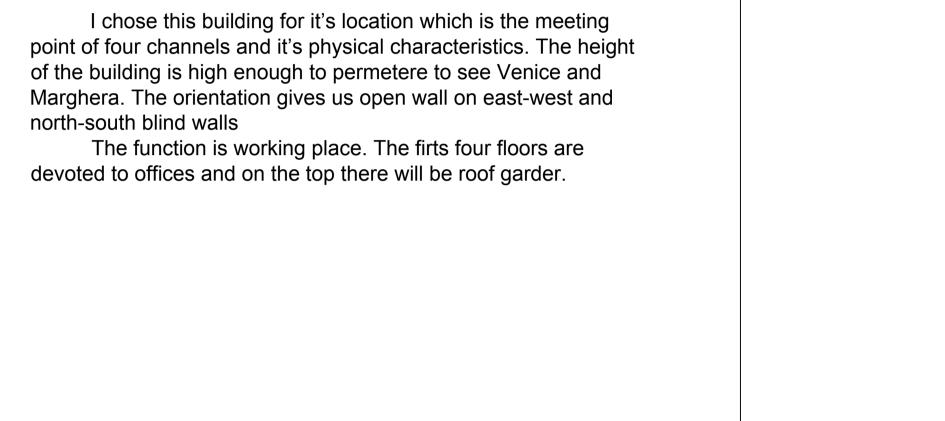
see, allowing you to park your car in a covered place, also to reach

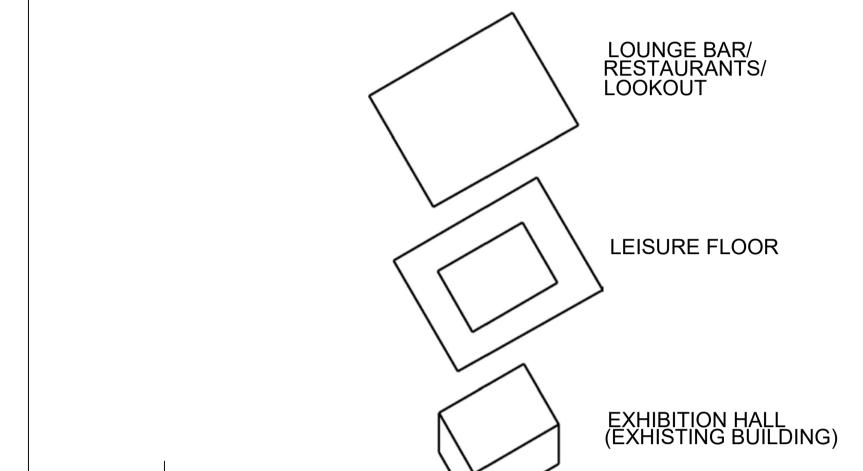
abandoned gasometers.

Venice.



Aereal view Petroleum Island





relax, leisure, restaurants etc.



9



















This building is located on the edge of our working projet area overlooking Tresse Island, so from this position we have the whole

view to the project area and Venice as well. The exhisting building will stay untouched, the only thing that will change is it's functionality turned into an exhibition hall with movable walls in

order to let it adapt to any kind of exhibitions. Instead a new

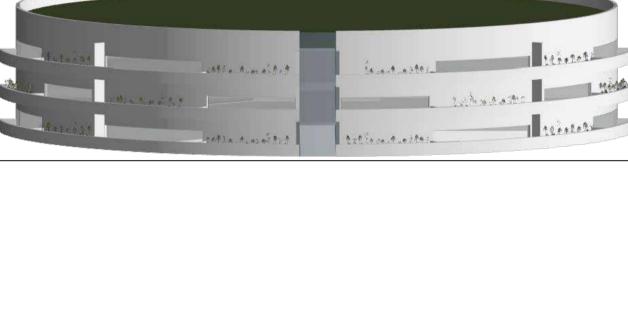
wooden structure will be built all around it, creating spaces for

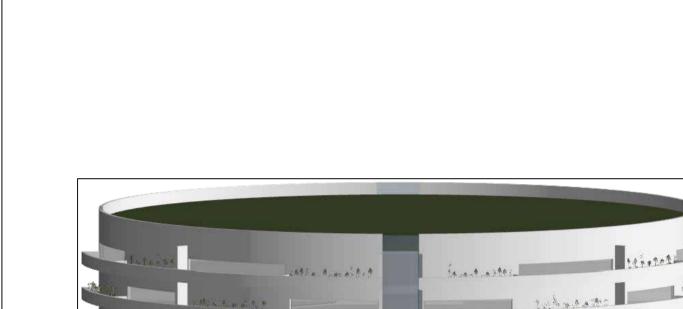












The building that I have used is a gasometer located in Porto

The structure is divided in 3 levels with ribbon windows and green

The idea of my job is to create the union between the internal space

It will be used to create a sustainable building with 8

terraces and an accessible roof garden.

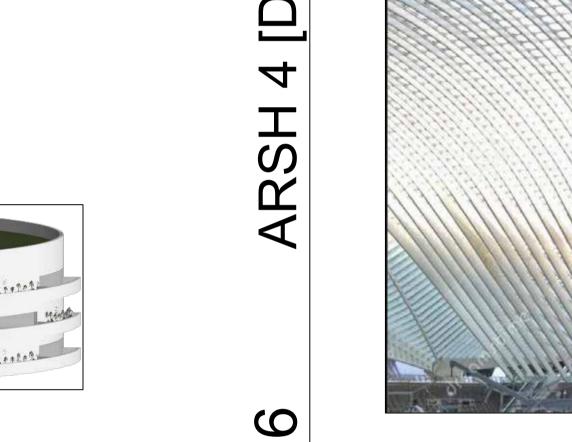
To create this building I am inspired

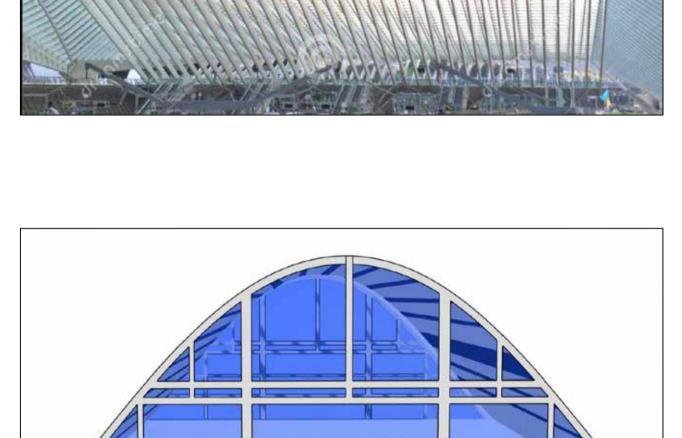
to "Il Bosco Verticale" in Milan.

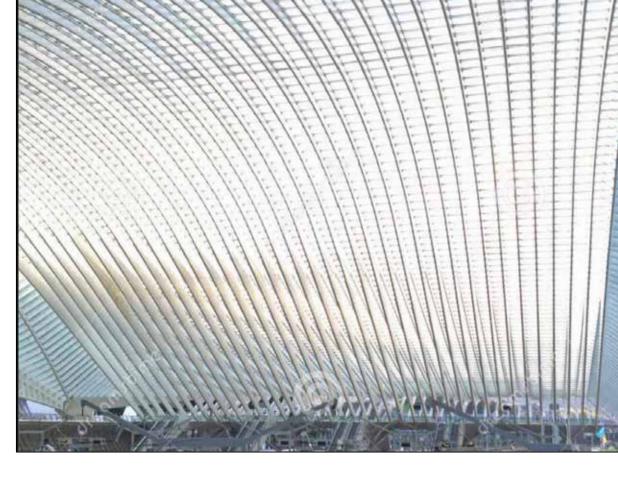
Marghera.

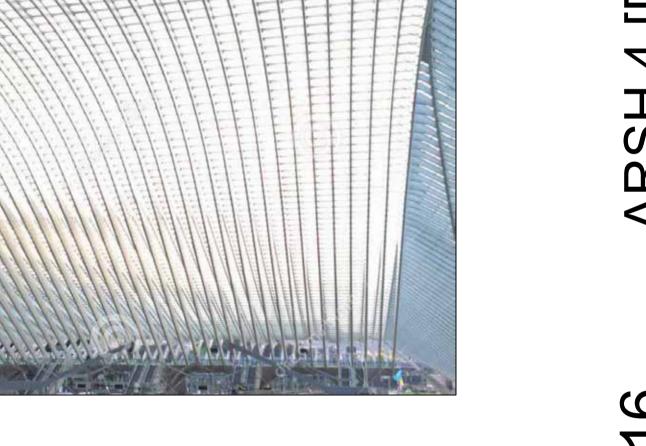
apartments for floor.

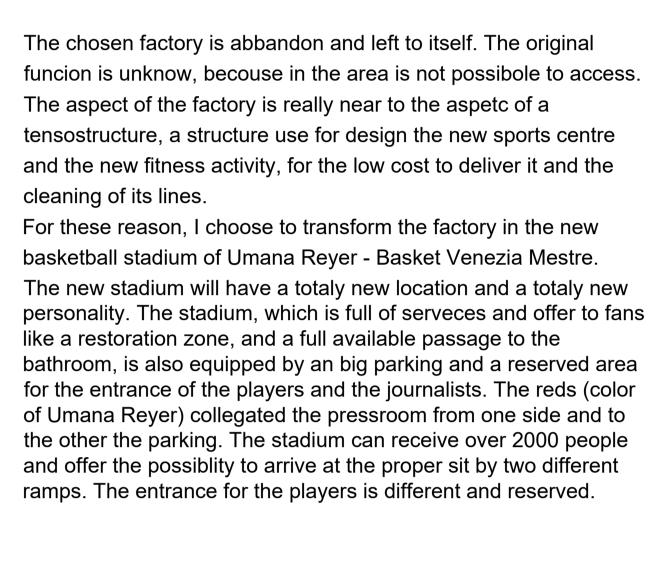
and the green space.

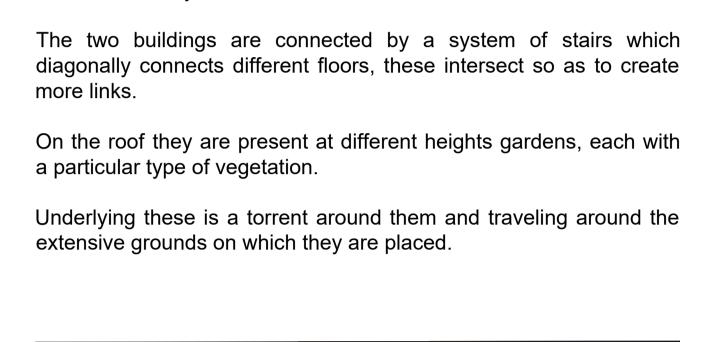












This architecture wants to keep the original structure of the

two meters away from this.



gasometers, creating a concrete skeleton with large rectangular with windows on each floor and surrounding it all with a wooden cage, I chose these three gasometers and decided to transform them in a research complex engaged in the study of plants (and the

regeneration of water through them). The biggest silos will become a botanical garden, while the other

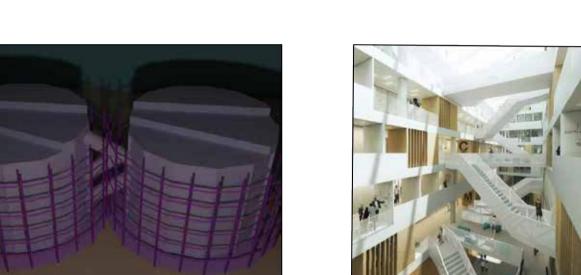
two facilities will host the laboratories, the offices and other spaces needed by the research center. In the surrounding area the existing buildings and structures will be

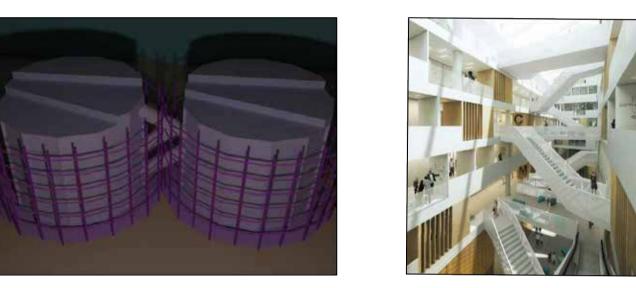
removed and it will be transformed in a big park. The biggest gasometer will be covered with a special structure and so converted in a greenhouse; its walls will be perfored to prevent a lack of light for the plants inside.

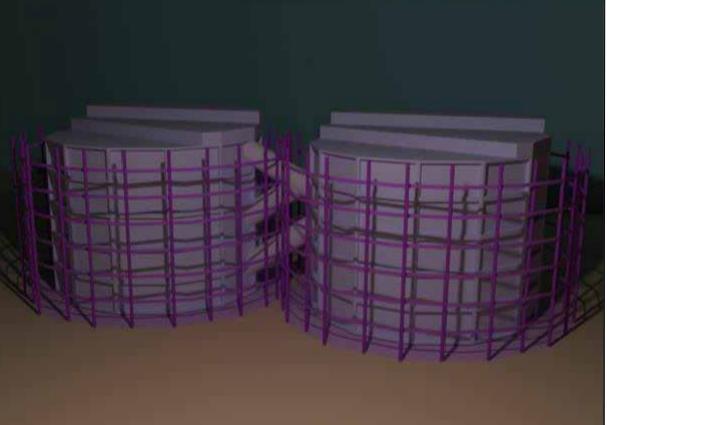
also be the access to the complex.

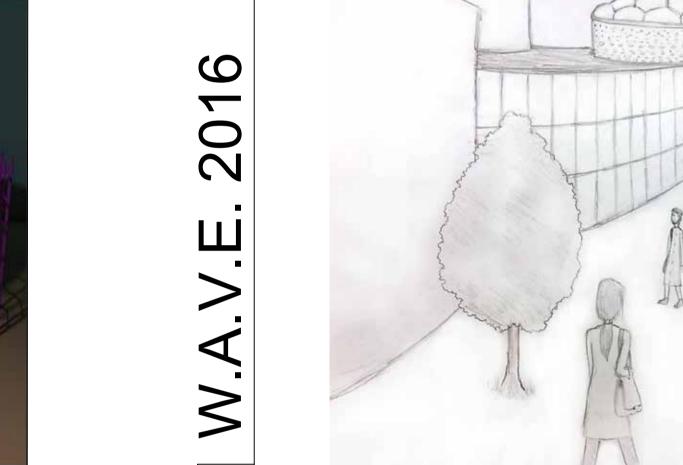
The three buildings will be connected by a covered area which will

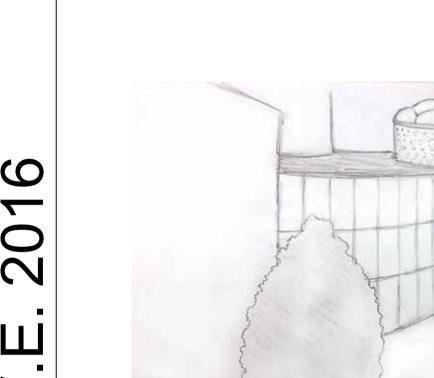


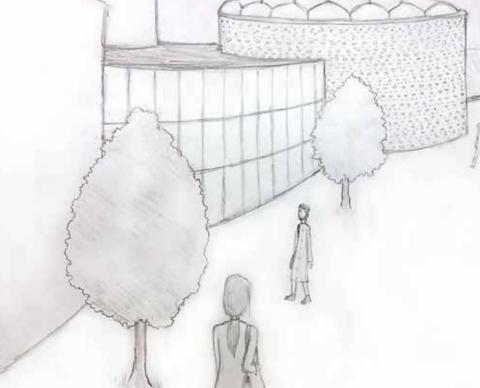


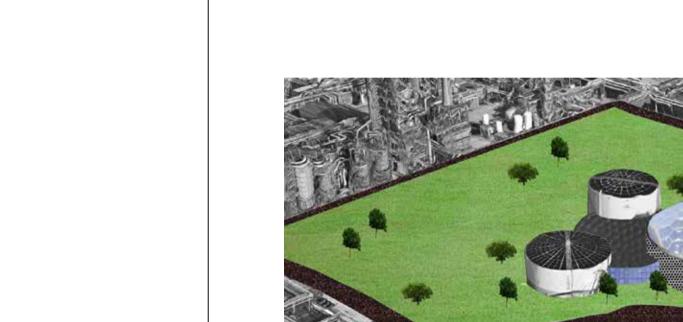






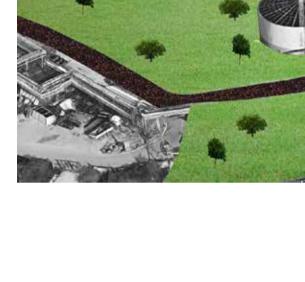


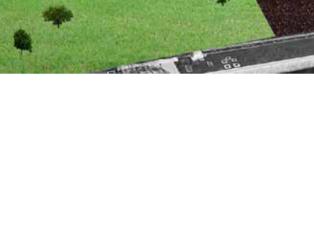






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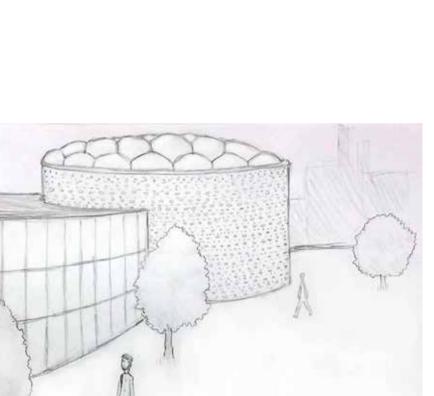








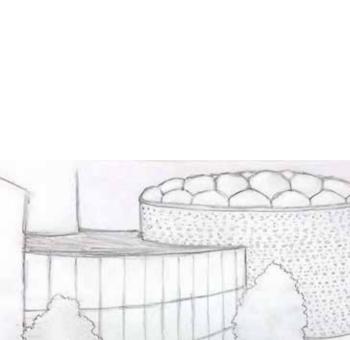


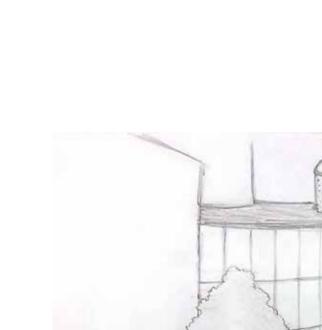


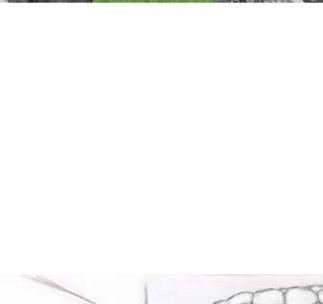


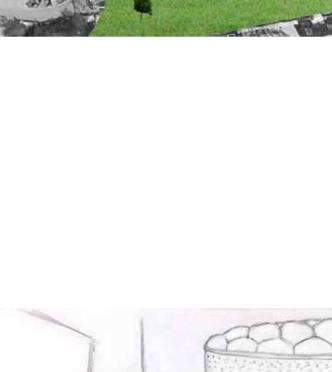


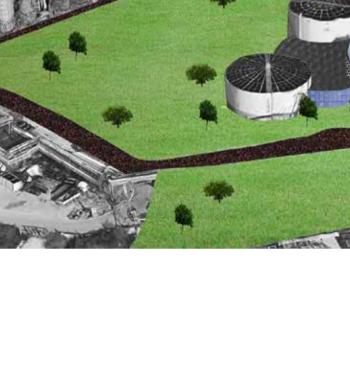


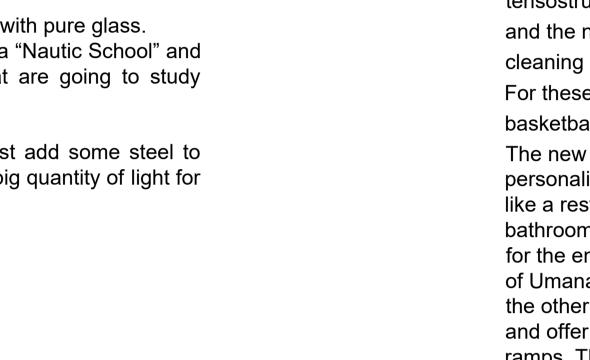


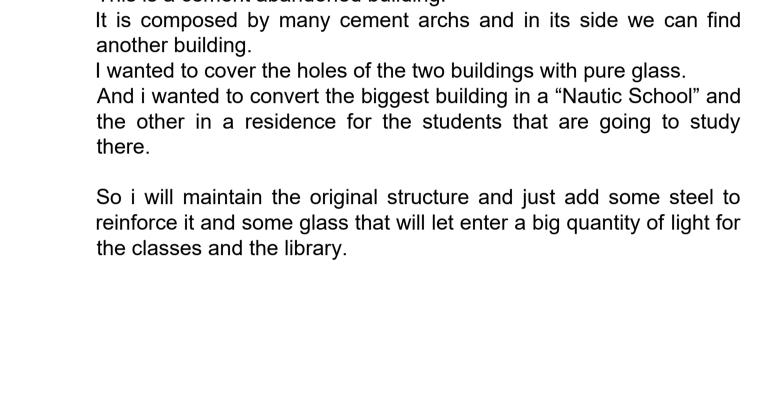


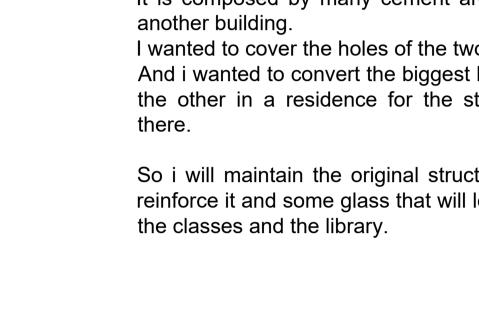


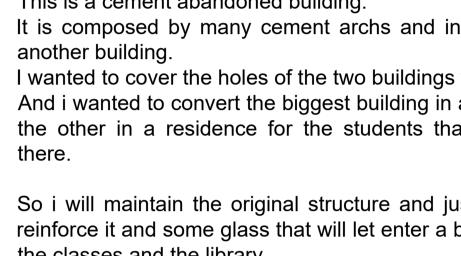












This is a cement abandoned building.

cleaning of its lines.

The aspect of the factory is really near to the aspetc of a

and the new fitness activity, for the low cost to deliver it and the For these reason, I choose to transform the factory in the new basketball stadium of Umana Reyer - Basket Venezia Mestre. like a restoration zone, and a full available passage to the

tensostructure, a structure use for design the new sports centre The new stadium will have a totaly new location and a totaly new personality. The stadium, which is full of serveces and offer to fans bathroom, is also equipped by an big parking and a reserved area for the entrance of the players and the journalists. The reds (color

of Umana Reyer) collegated the pressroom from one side and to



This factory is located in the edge of Porto Marghera, where you can see the lagoon of Venice. To preserve the original destination of this factory it was decided to keep the external structure and build inside it.

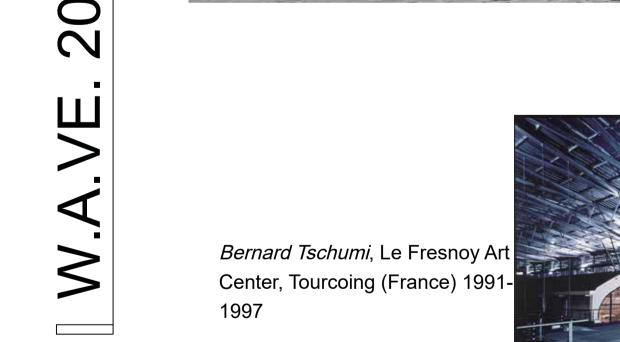
Its large dimensions are excellent to used it for some activity that need space, like art and producing.

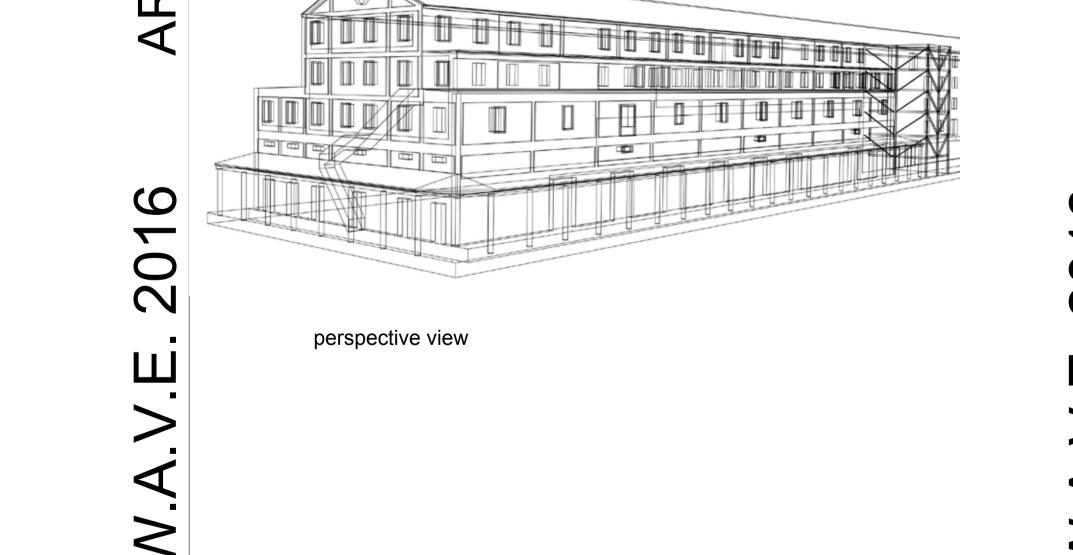
The project want to create inside the factory some location where artists can achieve their works in total liberty without disturbing other people and after can expose it, bands can reheaers in rooms soundproofed, and more. Also there will be coffee where visitors can have relax.

In the outside there will be realized a square for concert and from the platform people can see the show. This project is inspired by the requalification made by Bernard Tschumi, Le Fresnoy Art Center.

The break in the covering allow the light entry for all year, so the inside doesn't need artificial light but the relatively small size block the sun in summer, when it is warmer.







The so called "Emporio Sali e Tabacchi" is one of Porto

Marghera most particular structures, and it was chosen because

of its fascinating shape and its location, right between the Malamocco Canal and the north industrial canal. Built between

1926 and 1927, the building contained tge cells of the silos Sali, in an interesting and highly mechanized construction that aesthetically looked like a big multi-storey building.

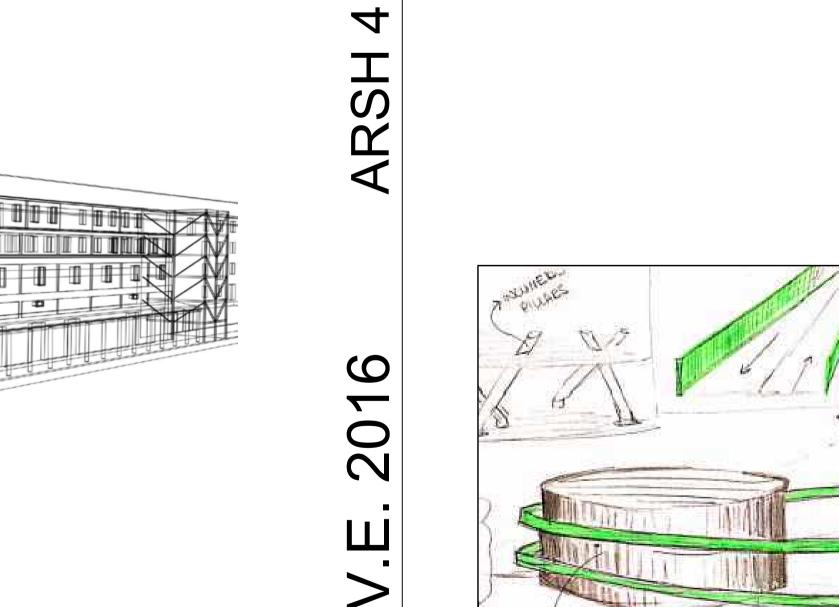
The project aims to revitalize the entire building by converting it to a huge cultural centre. The centre hosts theatres, laboratories,

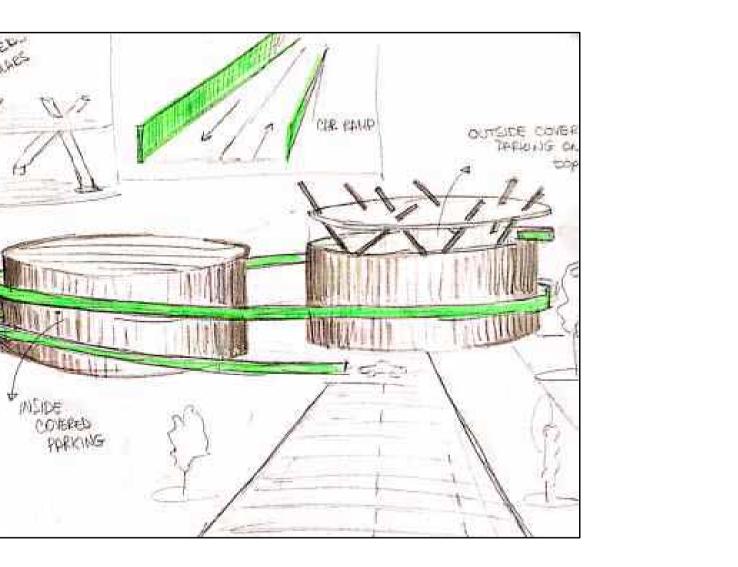
libraries and some lodgings for students. The upper part of the

great hall also hosts a long time exibition showing the history of Porto Marghera

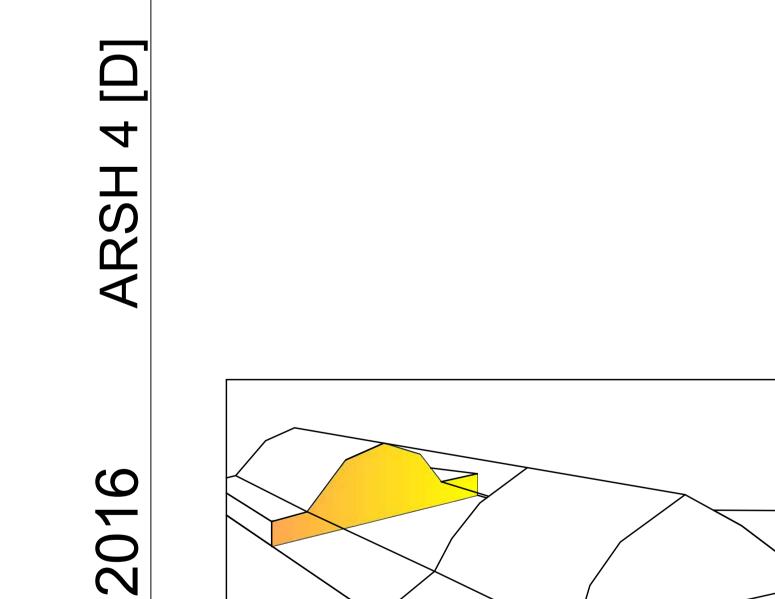
sketch, inner hall

sketch, main facade









The choosen building is located in the ultimate limit of the first

industrial zone of Marghera, abandoned area of "ex-fintitan". The

building is caracterized by the typical structure of industrial

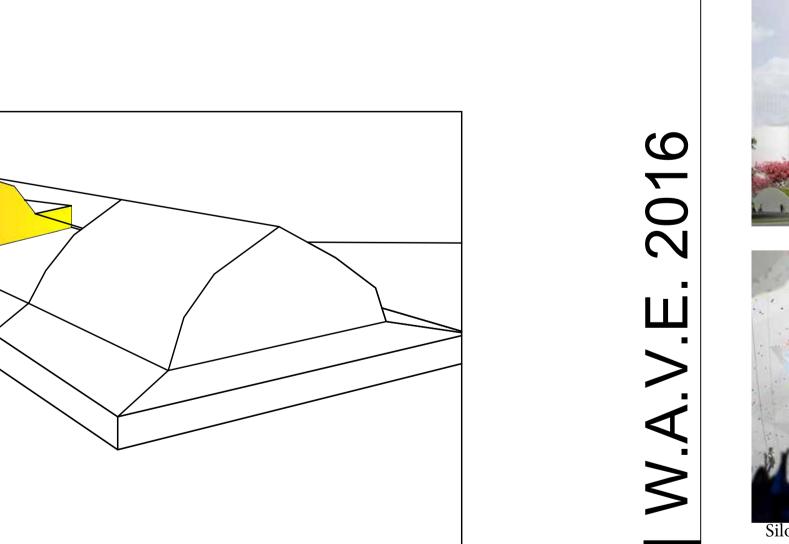
The project would focus on the main idea of reclaming (as well as

redevelop) the area through the phytotreatment.

This process, infact, should reduced the contaminated water of

the area.

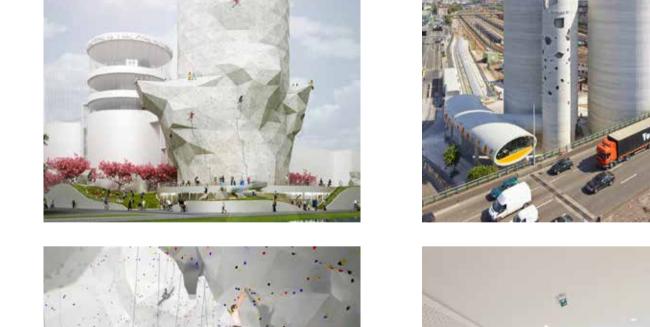
warehouses; a long uniform volume covered by a semi-circular



SYSTEM OF PHYTD - PUR IFICATION

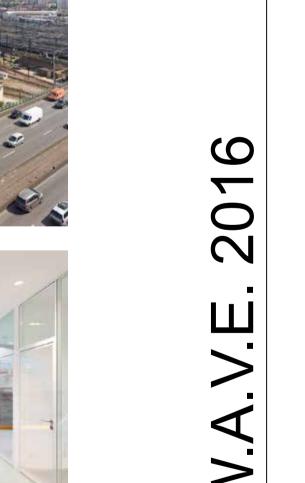


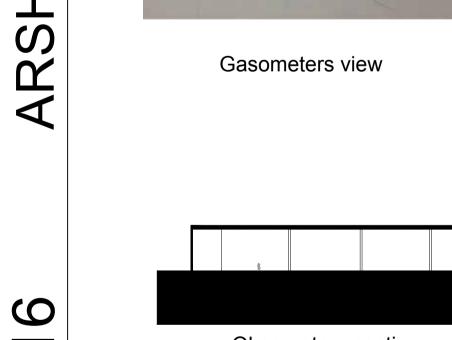
 \Box

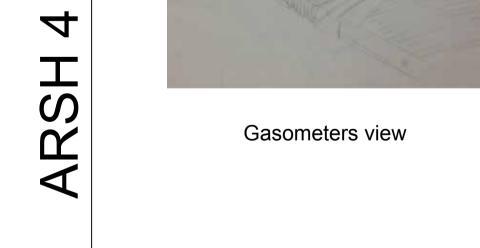












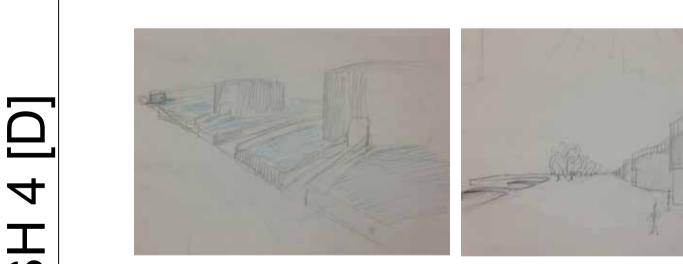


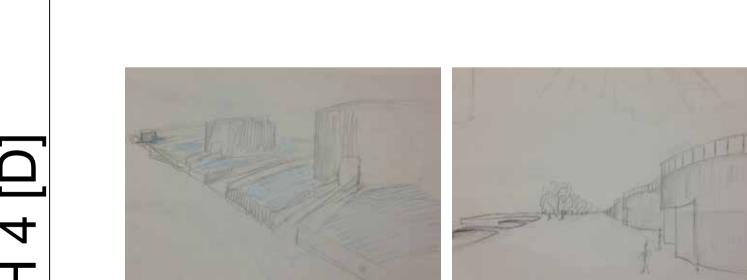


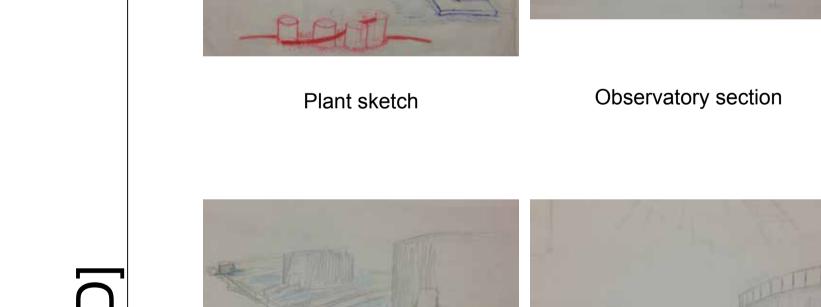




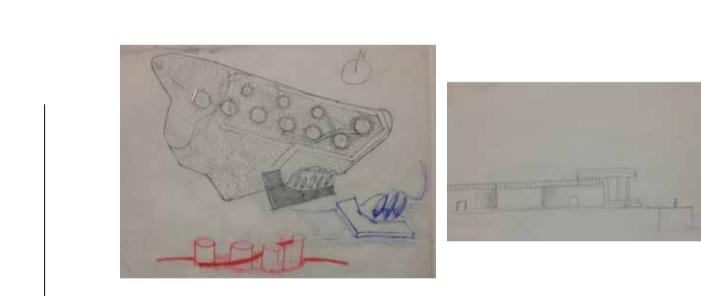


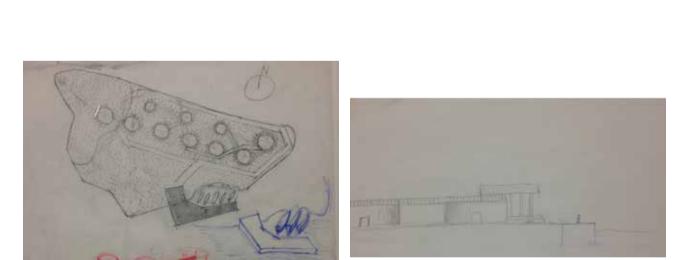


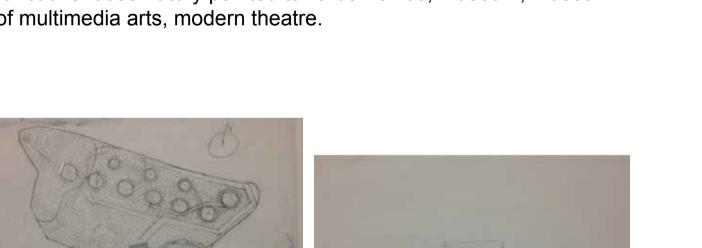


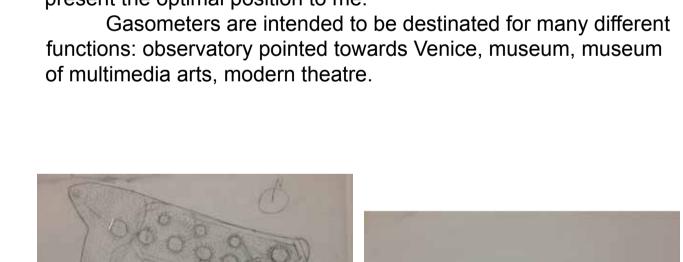


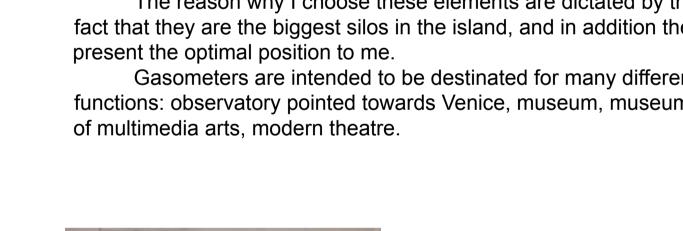


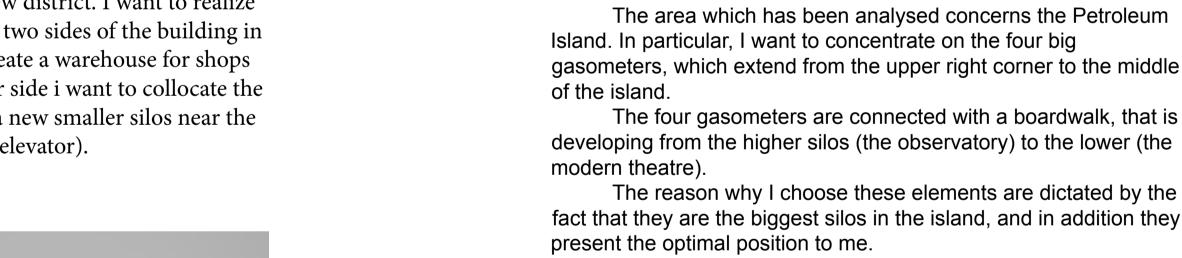


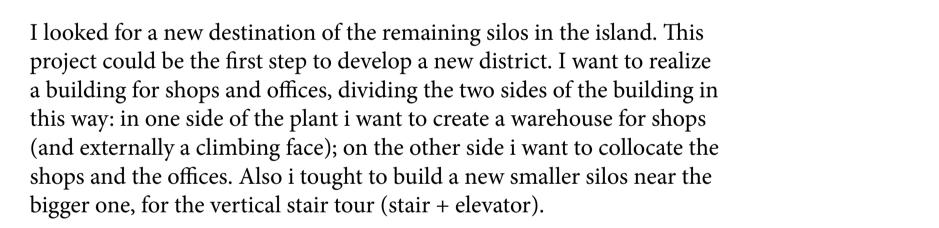












Island. In particular, I want to concentrate on the four big gasometers, which extend from the upper right corner to the middle The four gasometers are connected with a boardwalk, that is developing from the higher silos (the observatory) to the lower (the modern theatre).

The reason why I choose these elements are dictated by the fact that they are the biggest silos in the island, and in addition they present the optimal position to me. Gasometers are intended to be destinated for many different

Aereal view Petroleum Island

Venice. This pipelines, having circular shape, will be used as a cultural center, which will be composed by an exhibition space, a concert hall, a theatre and a cinema, all developed over several floors.

extending the usable surface for the activity performed inside the cultural center proposing them outside. It will be possible to get to the structure only by the pedestrian street that

The project aims to retrain an area of Porto Marghera, proposing to reuse

the pipelines situated in a portion of territory overlooking the lagoon of

The retrain affect also the wide green space border the pipelines,

follow the coast.



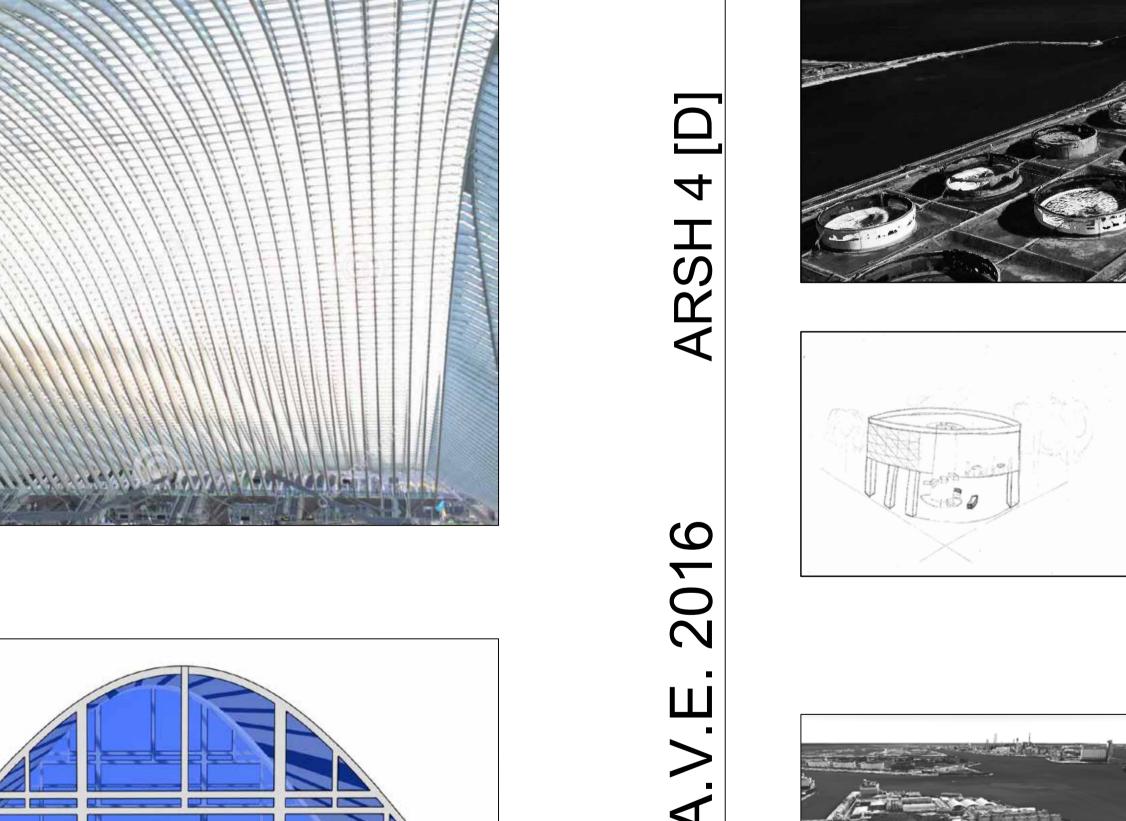


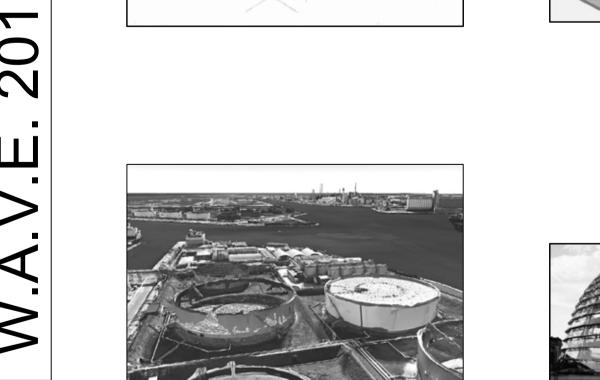
The gasometer chosen is on the island of gasometers

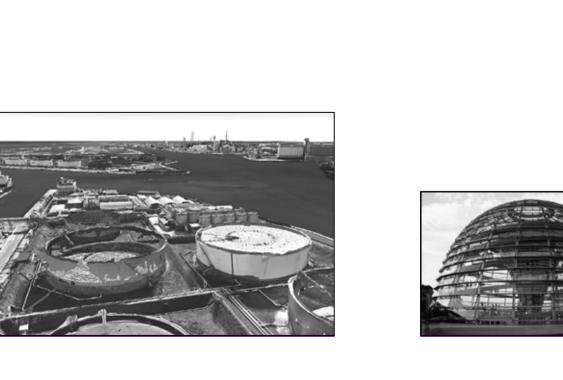


dormitory for students begin in strategic location, 20 minutes by boat from Venice. He will benifit in Venice begin poor used buildings students and the huge demand for accomodation.

Heat the same

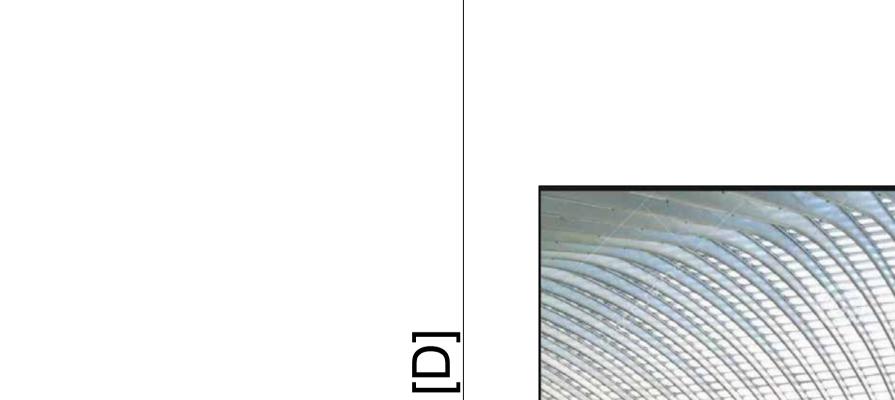


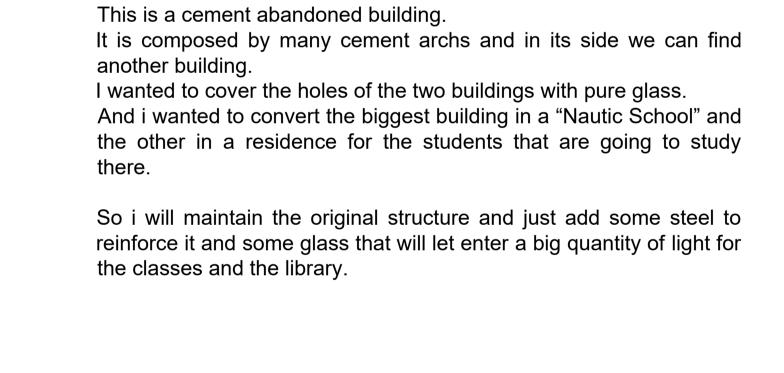










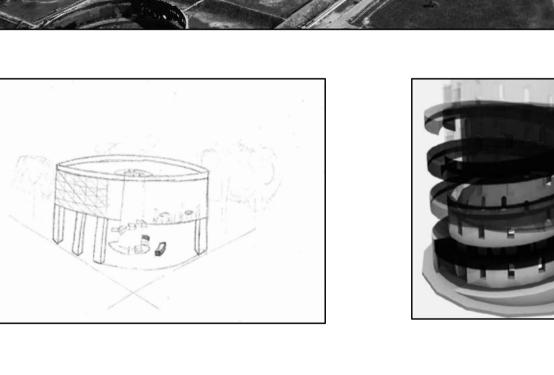


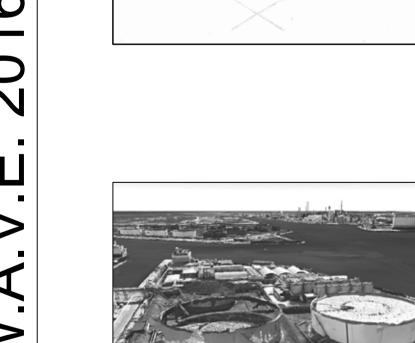
and is positioned as close to Venice. The project involves the construction of an elevated restaurant with a unique view of the lagoon city. The ground floor consists of a series of columns, while at the center of the whole building is a glass and steel column that allows the illumination of all the restaurant and the resulting energy savings; Also all around this column it is a double spiral staircase that leads to the two upper floors. Inside the flowing water column as to form a cascade to call Venice. The walls of the first floor will be replaced with a glass wall that will allow those who are inside the restaurant to have a good view of the lagoon. On the perimeter of the structure, however, Sarano located two elevators, one opposite the other,

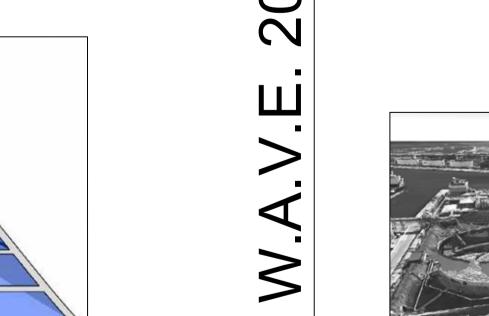
which will also enable those who have problems engines to have access to the restaurant and to the

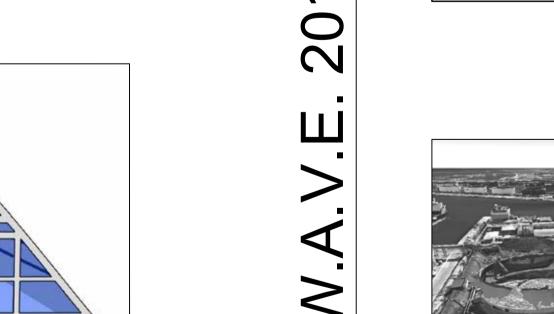


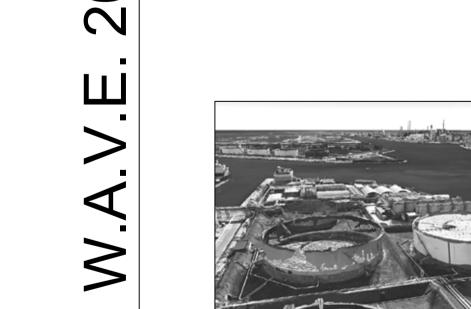




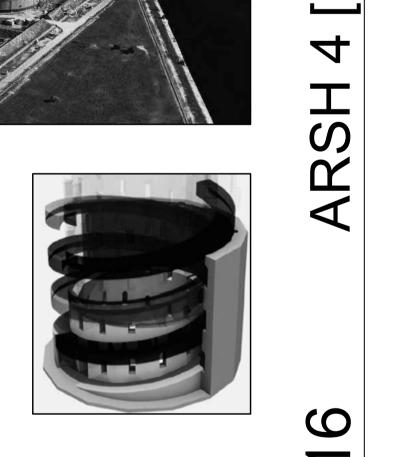


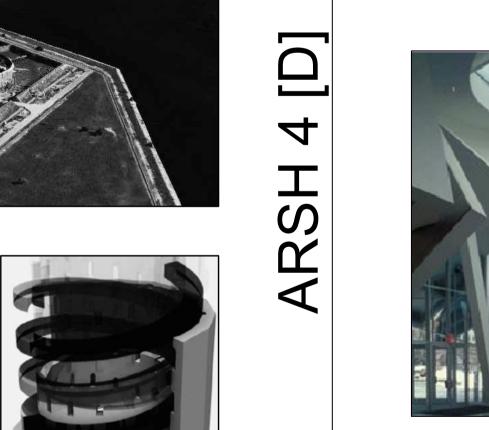








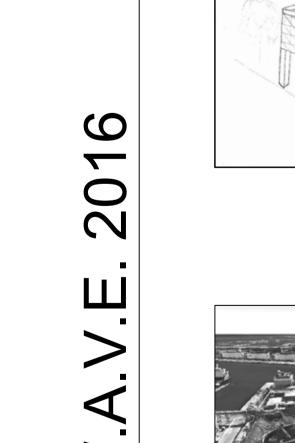


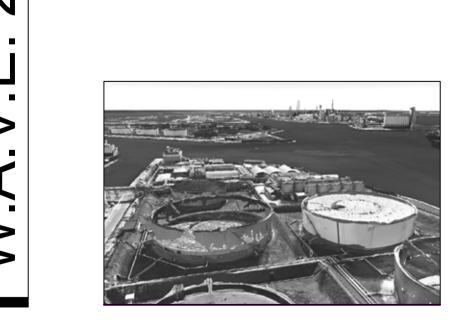


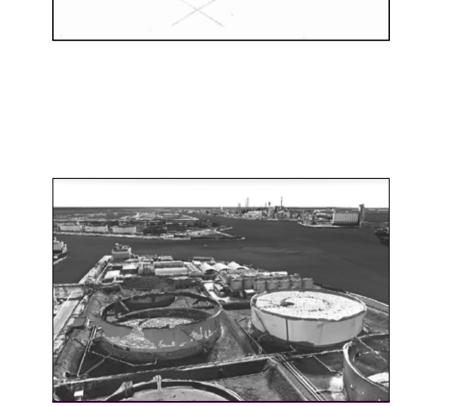


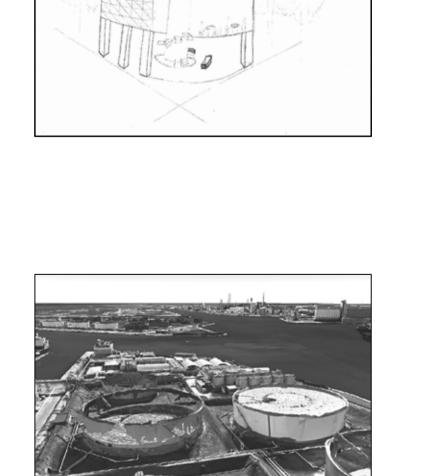


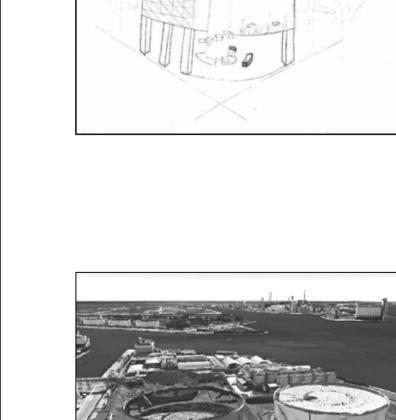


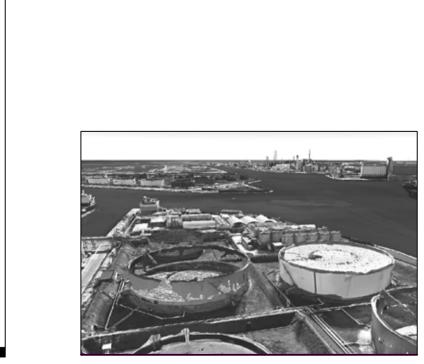


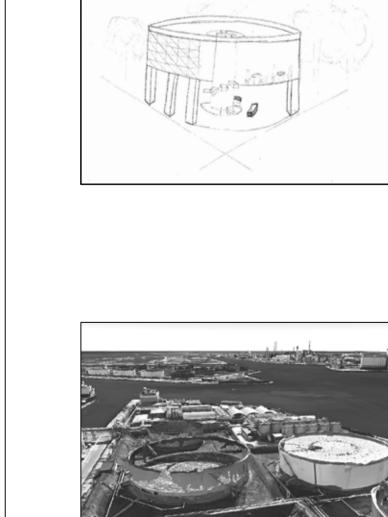




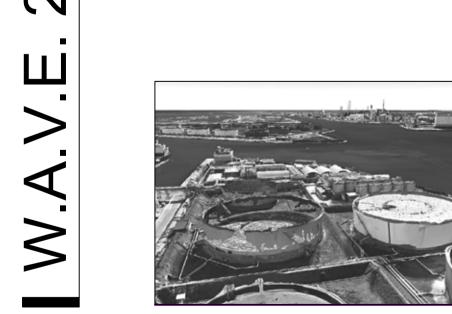


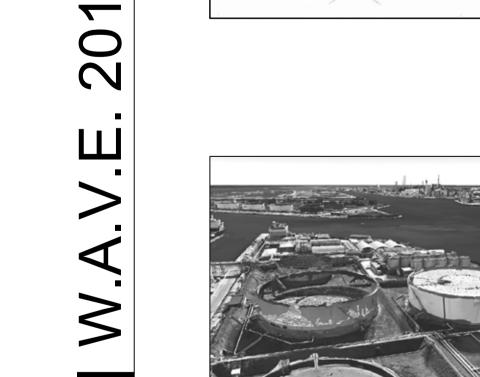


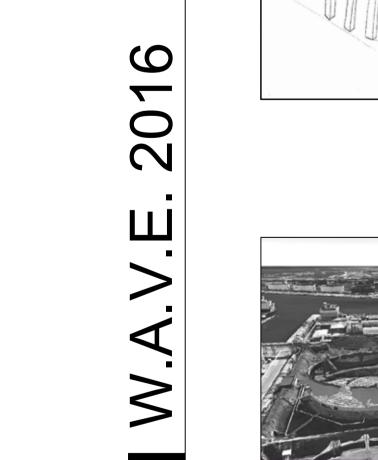


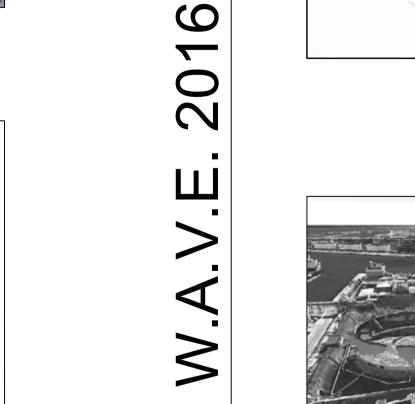














Retraining of an old building in Porto Marghera

terraced house that are developed in 3 floors.

semi-cylindrical coverage.

shape of the old building.

park. It is 6 meters high.

ensure a sky view.

The abandoned building is located in the industrial zone of Porto

shape that it develops in a big parallelepiped topped by a big

Marghera, it looks like an old warehouse for the exchange of the goods.

Today the structure is in worst conditions but it has preserved the main

The idea for the retraining is reuse the main structure and create seven

The houses will be rehabilitated in **LOFTS** recovering the existing

In the land floor there is a great glass window overlooking the common

In the first floor there are the appartaments' rooms and the second floor

hosts a big terrace that it is covered by means a glass structures for



stadium.

In Venice there is a football stadium situated

For the people that live outside Venice is

The new stadium will be situated on the

are twelve silo put in order 4x3.

difficult arrive to this stadium to see football

match, so the idea is to create a new stadium

for Venice, a new stadium in Porto Marghera.

indicated zone, where in this moment there

The project consist in place the field into the

four silo that are collocated at angle of the

in the area of Venice Castello: Pierluigi Penzo

155

Red is the color of the theater, it draws vitality and dynami-

For these reasons I chose the color red to design a theater

The building consists of three rings, the first shows the origi-

Instead, for the second it ends inspired by Han Show Thea-

The three levels are connected between them by a winding

staircase as a reference I chose Daniel Libeskind Vanke Pa-

tre in China for the last band will be used as a garden.

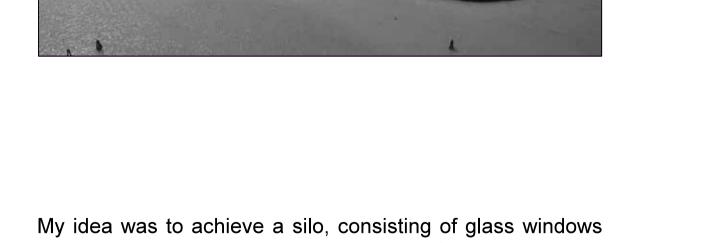
auditorium.

nal silos.

vilion.







around the perimeter. It spreads over two floors: the ground floor there is a football pitch, changing rooms, toilets, a bar and a lift. On the first floor you can be reached either by the stairs, and through a lift. The coverage will be realized in such a way as to allow the top floor to receive air and natural light through an automated opening system of a part of this.

In my project I have chosen to use the cylindrical structure of the gasometers of the "island of the oil" because I like the circular form and what can derive from it.

Particularly I would want to plan a cultural area composed by a gallery/museum and an auditorium to it connected, the position of the complex it allows a direct connection with Venice and from it takes back the constructive strategies of connection to the lagoon, also using the ideas and the geometries of Carlo Scarpa. As it regards the building, functional strategies take back the Guggenheim in New York



Theatre roof example





I choose this iron structure because it remind of the industrial origins of Porto Marghera, but I gave it a new purpose which can be useful to



SIENCE MUSEUM

complex.

The 4 buildings that i have decided to modify are part of a 7 gasometer

These are located in Marghera port in the Vittorio Emanuele III channel. They are made by renforced concrete and them are 15m tall and have a diameters of 41m 26m 34m and 25m. I deciced to convert these buildings in a science museum, because in Marghera there is VEGA, which is an important sientific and tecnology center. The structure will be utilized by scientifics and also by visitors who will reach the museum by boat or by car.

