





MSc. Architect, 6 year experienced





As an Architect, I'm not afraid of taking any responsibility, a good team player, problem solver, hardworking, enthusisastic, creative and positive person. Also, I'm experienced and good at coordinating people and other related teams such as mechanical. electrical and structural etc. In addition, I love to learn new things and I'm a quick learner.



Autocad

Sketchup

Revit

Rhino

Adobe Photoshop

Adobe Ilustrator

Adobe InDesign

Lumion

Vray

COMMUNICATION SKILLS

Turkish (Native Language)

English (Business Fluent - Toefl Proficiency)

German (Intermediate)

Italian (Intermediate- A2 Certificate)

Dutch (Beginner)

⊗EDUCATION

2015-2017 Politecnico di Milano - Master Degree

- Sustainable Architecture and Landscape Design (with Gold Scholarship)

2009-2015 Istanbul Technical University Faculty of Architecture Double Major Program - Bachelor Degree

- Interior Architecture (2013)
- Architecture (2015)

2004-2009 Kadikov Anatolion High School

WORKSHOPS

2017 AA Visiting School Jordan - with scholarship

2016 Politecnico di Milano

- OC Summer School

2012 Detmolder Schule für Architektur und Innerarchitektur

- International Summer School - with scholarship

THONORS

2015- was accepted to the master program "Politecnico di Milano, Sustainable Architecture and Landscape Design" with the Gold Scholarship.

2013 - was graduated from Interior Architecture with 3rd Degree

2010 - was accepted to the Interior Architecture and Architecture Double Major Program at ITU



2020 - Archstorming Competition Hope Dental Center - One of the Selected Proposals

2018 - Volume Zero Competition Marsception - One of the Top 20 finalist

2016 - Inspireli Awards Valpollicella Wine Center - Semi finalist

2014 - Istanbul Chamber of Trade Building - Competition with the Team of DB Architects - 1st Prize



₩ORK EXPERIENCE

2021-... Juurlink + Geluk. Amsterdam

- * Worked as Junior Project Leader & Designer in many concept and implementation projects. The most important ones listed below with order according to the years:
- Concept Excelsior Rotterdam Stadium
- Concept Slotervaart Urban Design
- Concept & Implementation Naritaweg Residential Project with NEXT Architects

2021 Marmara University

- Lecturer, Faculty of Architecture

2018 -2021 DB Architects

- * Worked as Medior Architect & Project Manager in many concept and implementation projects after graduating Polimi. The most important ones listed below with order according to the years:
- Coordination & Implementation Sadberk Hanim Museum as Local Architect in collaboration with Grimshaw Architects and Atelier Brückner(Riba Stage 1-4)

- Coordination, Concept & Implementation Zonguldak Coal Washerv Museum and The Public Library
- Coordination, Concept & Implementation Istanbul Medeniyet University Campus Project
- Concept Ankara Courthouse Competition
- Coordination & Implementation Erkanlı Dorm Project
- Implementation Divarbakir Surici Corporate Housing

2016 - Politecnico di Milano - Italy Worked as Exhibition Designer Exhibition "Silentscapes", FuoriSalone 6th -12th April Director - Juan Carlos Dall'Asta

2013 - 2015 DB Architects

- * Worked as Junior Architect in many concept and implementation projects. The most important ones listed below with order according to the years:
- Implementation Premier Campus Office in Istanbul (as Local Architect in collaboration with JDS Architects - Belgium)
- Concept Istanbul Chamber of Trade Building Competition. 1st Prize
- Concept and Implementation Kapital GY Maslak Office Project in Maslak, Istanbul
- Implementation Kapital GY Dolandere Office Project in Dolapdere, Istanbul

2013 - Net Architecture Office

- Drawing implementation project of an office project as Junior Architect

2012 - Net Architecture Office

- Worked as Intern in interior concept design of various projects

2012 - Arkizon Architecture Office

- Worked as Intern in architectural concept and implementation projects



Selected Examples of Office Works

2020 Grimshaw/ Atelier Brückner/ DB Architects -Coordination & Implementation Sadberk Hanım Museum, Istanbul

2020 DB Architects - Coordination, Concept & Implementation The Coal Washery Museum & The Public Library, Zonguldak

2019 DB Architects - Coordination, Concept & Implementation Istanbul Medeniyet University, Istanbul

Selected Examples of Personal Works

2018 Volume Zero Competition - Marsception Another - Colonization on Mars, Top 20 Finalist

2017 Politecnico di Milano - Thesis Project NABO - Self-Sufficient and Sustainable Desert City

2017 Politecnico di Milano - Design Studio IV Cemetery Barcelona

2016 Politecnico di Milano - Design Studio III N.O.A 2050 - Nexus of Aquaponic Farms - Lafarge Holcim Awards Participant

2015 Politecnico di Milano - Design Studio I - Part I Valpolicella Wine Center - Inspireli Awards 2016 Semi Finalist

GRIMSHAW ATELIER BRÜCKNER

Design Project Team: Grimshaw Architects
Interior Design Project Team: Atelier Brückner
Implementation Project Team: DBArchitects/ Bünyamin Derman
Project Start Date: 2020
Project End Date: TBC
Project Location: Halic/ Istanbul
Project Type: Museum, Restoration
Personal Task: Project Manager as Local Architect
Drawing Implementation Project Details (Riba Stage 1-4)



DBArchitects

Design Project Team: DBArchitects/ Bünyamin Derman Implementation Project Team: DBArchitects Project Start Date: 2019
Project End Date: 2021
Project Location: Zonguldak
Project Type: Museum - Library
Personal Task: Project Coordinater - Designing Concept & Drawing Implementation Project Details



2020 The Coal Washery Museum & The Public Library, Zonguldak

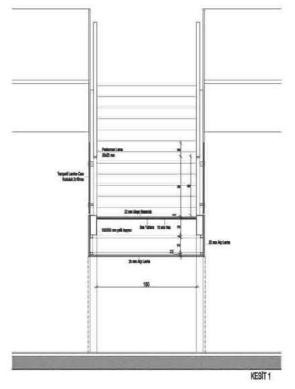


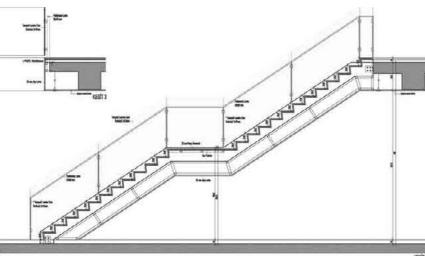


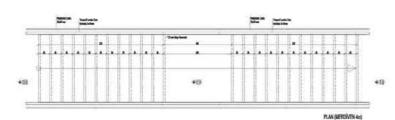
DBArchitects

Design Project Team: DBArchitects/ Bünyamin Derman Implementation Project Team: DBArchitects Project Start Date: 2019 Project End Date: 2020 Project Location: Istanbul Project Type: University Personal Task: Project Coordinater - Designing Concept & Drawing Implementation Project Details



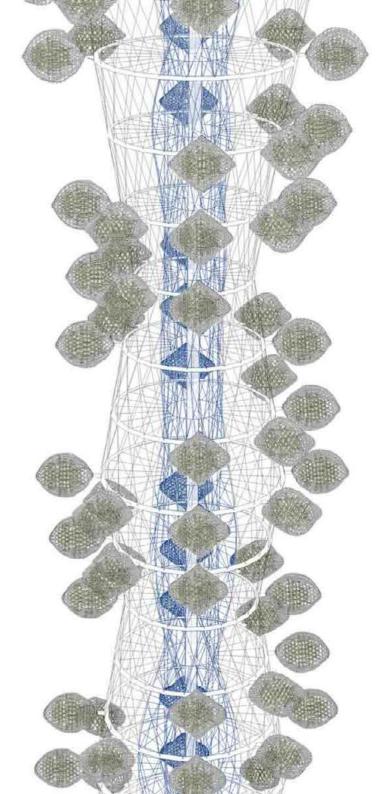


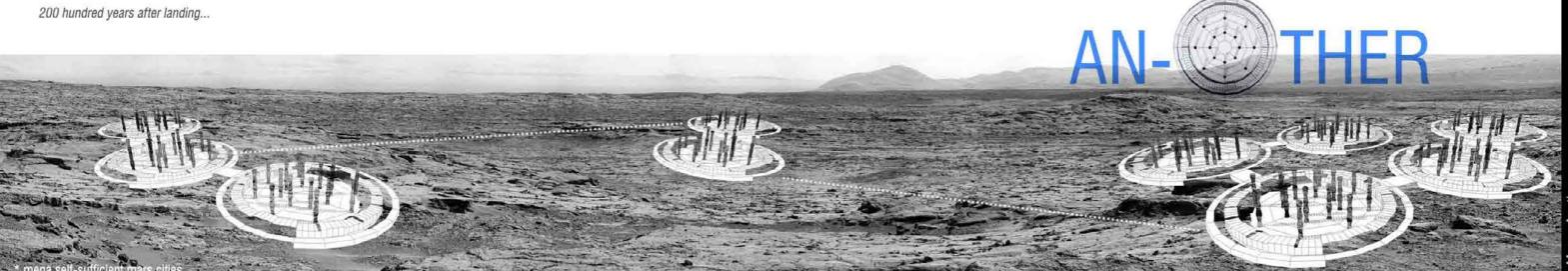










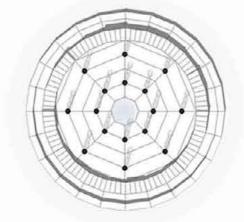


I.the core of source
life trees
lines for harvesting product
water tank
facade

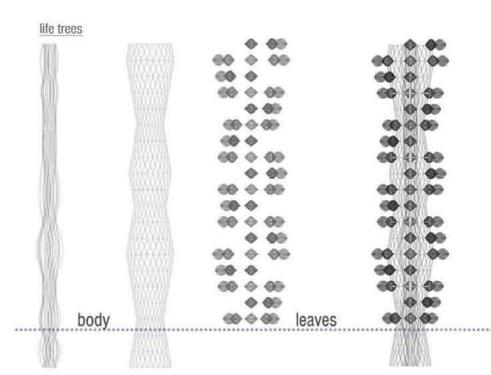
II.the vita area

III.the area of production

top view of the capsule



the capsule First exploration colony, which is going to Mars in 2024, will establish this area for staying and living there. They will bring some materials from Earth to Mars for creating the new living area, but later they won't need any other resources from Earth. Because they can produce everything, that they will need, on the surface of Mars with its own materials. First of all, They will build the capsule, a circle shaped structure with a radius 700 m that have 3 different layers. Between these layers, there are lines for harvesting the different products generated in the structure. Surface of the structure will be covered with a facade that is saving people from radiation as creating an artificial atmosphere and will have solar panels for producing the energy. Each layer has different functions; the core of source, the vita area and the area of production.

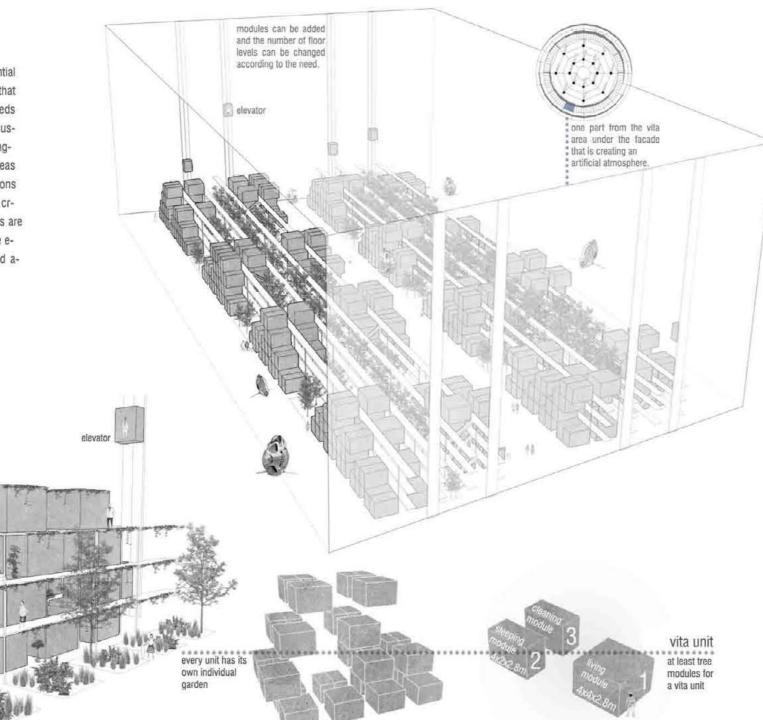




I.the core of source The innermost layer of the capsule is called as the core of source which stores H20 in the centered water tank and produces 02 with the structures called as life trees. The centered water tank is collecting H20 from the ice caps of the both Mars poles for usage of human being. Life trees inspired from real trees, making photosynthesis, are producing 02 with aquaponic systems for creating an artificial atmosphere. Imagine a real tree which has a body and leaves. These 240 m mega steel constructions (Elements of steel are Fe and C, so it can be produced on Mars) have a body with an elevator and other necessary functions for aquaponic systems in the middle and inside the spheres of leaves around it has many plants for producing oxygen. These leaf alike structures has solar panels on its surfaces, so it can produce its own energy. Later, These structures can be used for making the ozone(O3) layer on planet Mars and producing H2O.



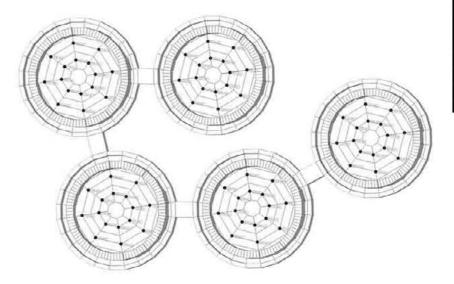
Il.the vita area This secondary part of the capsule is the residential area, which has vita units. These vita units are modular designs, that the number can be increased or decreased according to the needs and the number of people who will leave there, so the design is sustainable by this meaning. Also, there are public spaces, working-researching areas, education units, sport zones, entertainment areas etc. between the vita units, because these are also essential functions for the psychology of human being. The smallest unit should be created with tree modules at least. In the units, these three modules are for living, self-cleaning(bathroom) and sleeping. These three are essential for one person or the smallest family. It can be enlarged according to the needs of the family





Ill.the area of production The last layer of the capsule is for collecting and recycling wastes of human being and also, for producing other materials like steel, glass etc. Actually, this layer can be called as the industrial area of it. On the other hand, these wastes of human being can be used as a fertilizer in the future for the normal agriculture with the soil of Mars, after the ozone layer is created.

combining the capsules



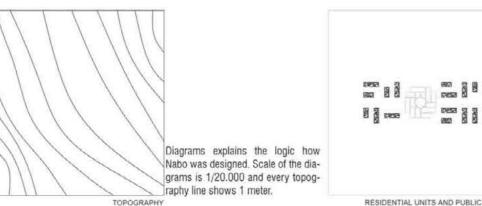
mega self-sufficient mars cities. These three layers make the whole the structure of the capsule and these capsules can be also combined with other capsules according to the needs of human being, because they're also designed modular.

In conclusion, it's a sustainable way to use this kind of modular structures, because the number of them can be increased and decreased according to the needs and they have a long life span. Mega self-sufficient Mars cities, answering all needs of human being with the materials that already present on Mars surface, can be created with this modular way without relying on any supplies from Earth.



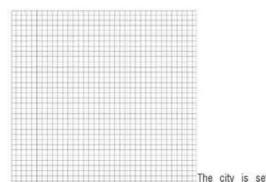


2017 Politecnico di Milano - Thesis Project NABO - Self-sufficient and Sustainable Desert City



Other facilities for self-sufficiency, water and food resources. They can be checked from the diagrams below

RESIDENTIAL UNITS AND PUBLIC SPACES



The city is settled in a 50x50 meters grid.

ZONING GRID 50X50M

INFRASTRUCTURE/ FIELDS



Between these residential units, there are fields. Inner circle is established with public spaces.

OTHER FACILITIES

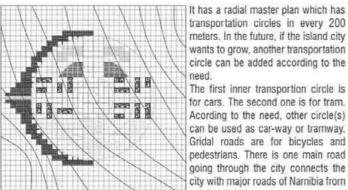




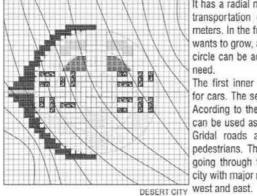




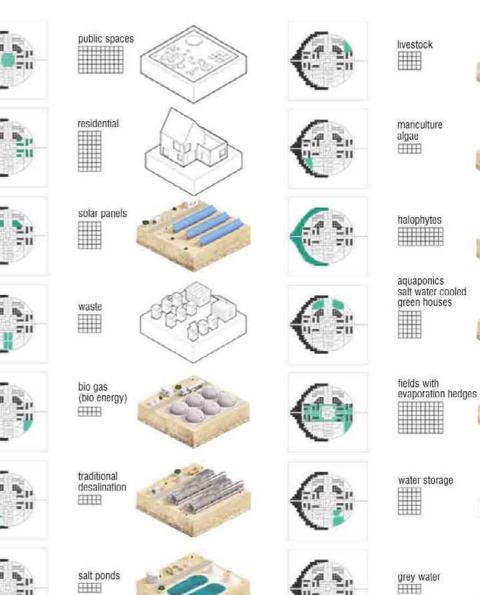
laboratories



This diagram shows Nabo the desert city and how it's settled in 50x50m gridal system.



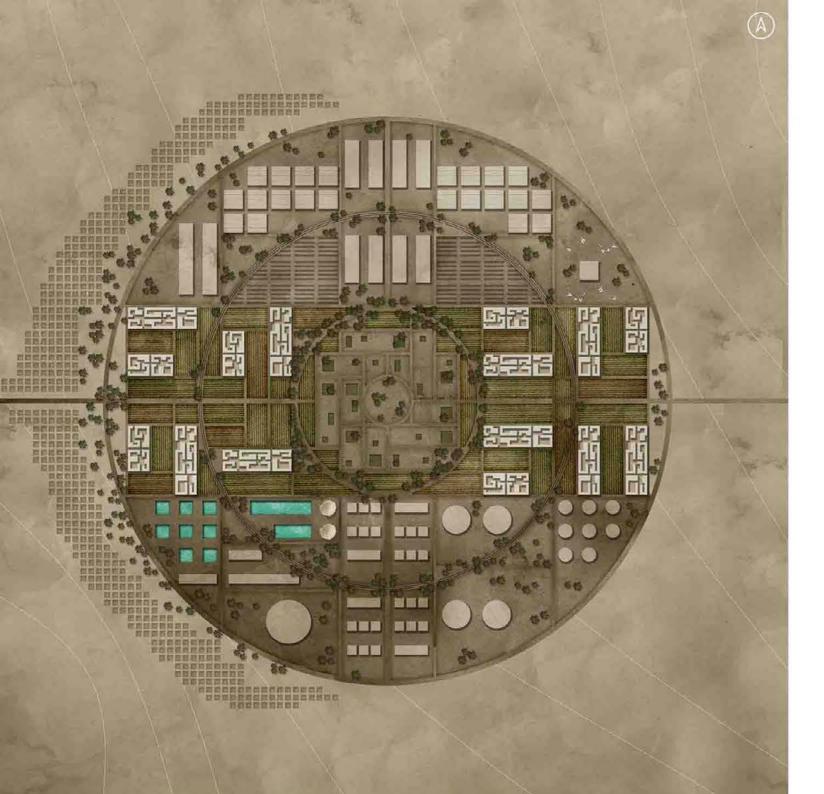
Acording to the need, other circle(s) can be used as car-way or tramway. Gridal roads are for bicycles and pedestrians. There is one main road going through the city connects the city with major roads of Namibia from





Which kind of requirements do 750 - 1000 inhabitants need? And how much space is required for each? (Calculations are based on Sahara Forest Project and Regen Villages) the area of grid's one square = 50X50 = 250 m2

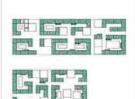






Residential Module Grid 5x5m

There is also another grid which is called residential module grid(5X5 meters) for residential modules.



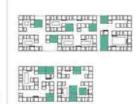
Residential Modules

There are 2 types of residential modules; 1 floor module for 2 people and 2 floors module for 4 people in max. They combine and make the residential units.



Circulation

Circulations in the unit can differ according to the combination of the modules, but it was designed for people to find their way inside easily.



Other Facilities

Other facilities are social dining, community learning, play ground, sport facilities, water storage, grey water and waste.





Canopies

Canopies are to make shades for protecting the modules from the sun's harmful effects.





Courtyards

Courtyards are the semipublic spaces of the residential units.



The Roof of the Module

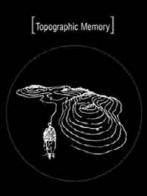
The module's designed according to the desert condition. So the double roof should protect the module from the sun and make a natural vantilation. Also, if it's needed, solar panels can be added on it.

The Foundation of the Module

Sand also behaves like sea. For fixing the modules to the ground, some sand is alships taking some water inside for bal-ancing themselves on the water







When we come across a mound in the wood, six feet long and three feet wide, raised in a pyramidal form by means of a spade, we become serious and something in us says: somebody lies buried here. This is architecture.

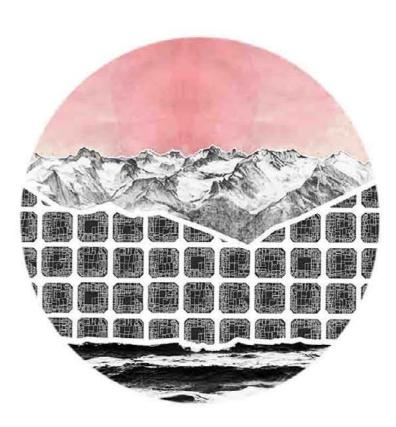
"Architecture arouses sentiments in man. The architect's task therefore, is to make those sentiments more precise."

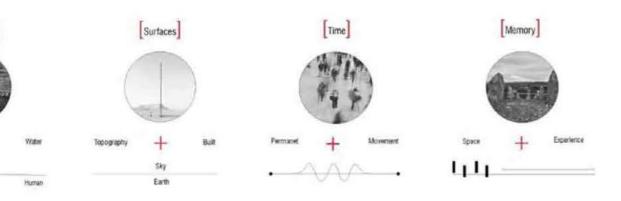
"only a very small part of architecture belongs to art: the monument and the tomb."

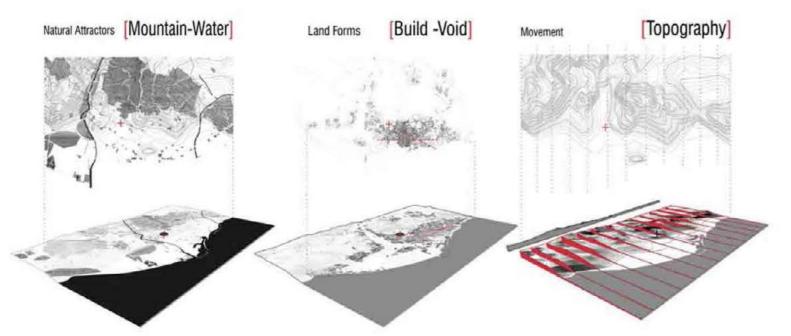
Adolf Loos, 1910

Team: Maral Günenç, Johana Narvaez, Sebastian Moreno

2017 Politecnico di Milano - Design Studio IV Cemetery Barcelona

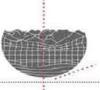






Materiality

[Site]



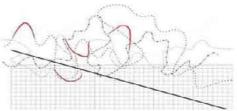
The identity of Barcelona is given by the topographic condition that shapes the city from a starting point on the sea and interval boundaries of mountains that connect to the sky. The circumstance leaded to the conformation of a compacted and dense artificial topography that increase the value of space reducing the possibility of forgotten spaces.

[Concept] Topographic Memory

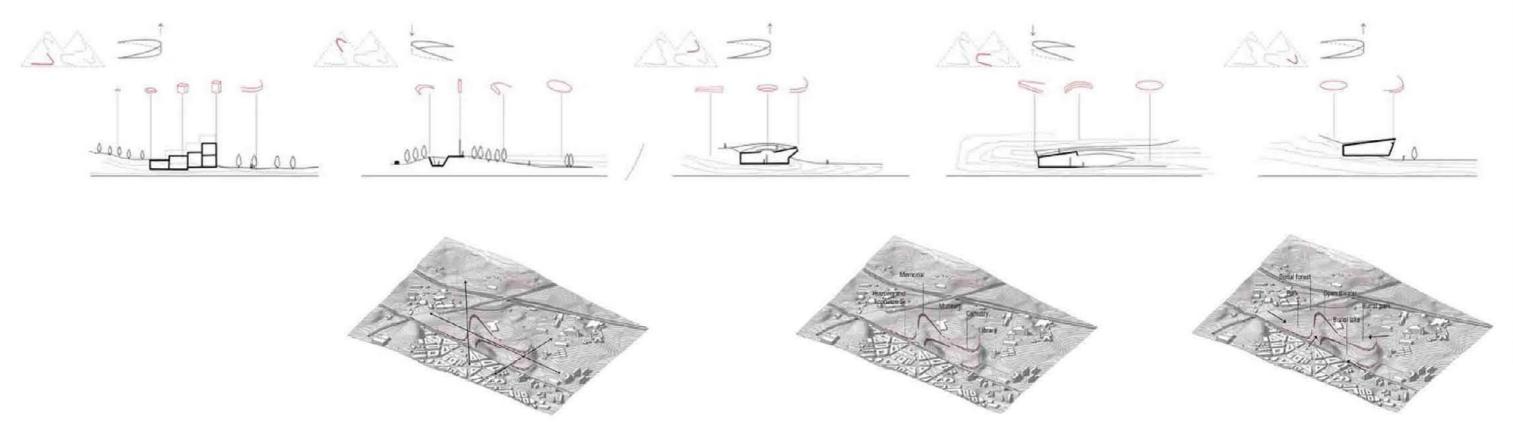


The structure of our memories is related to topography and landscape through abstract and physical relations, in this sense the topography is a kind of knowledge that as the gestures of the body comes before the language, since it is a condition that shapes the human experience from the action of walking and looking for a shelter. The memory of a place is given by the connection between topography and mind, by interaction, experience and appropriation; this last one starts as a mental process but turns to be relevant for others when it becomes physical, when the topography is intervened and adapted with a propose; then if a landscape has not passed through this process, it still does not exist, and therefore is a landscape without memory.

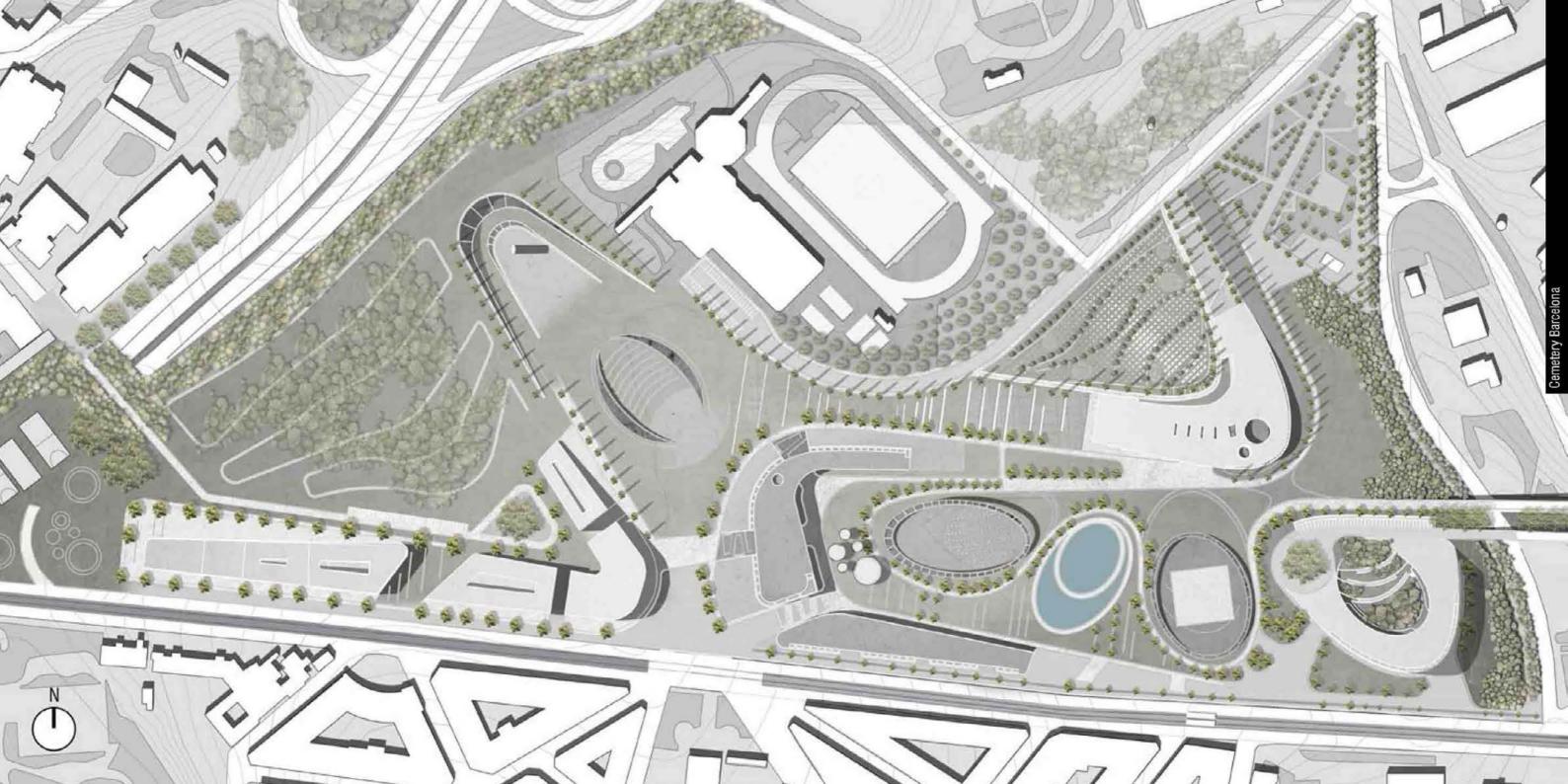
[Strategy]



The proposal seeks to fully respect the existing landscape balance in the natural environment. Taking advantage of the current drop of the plot, the building attempts to minimize its presence. This way the proposal organizes the programme into 5 areas .The buildings shows a double image; on one side seeks to minimize its presence and lowering its height merging with the ground and directing its green cover in continuity with the existing topography. On the other side of the buildings claims its contemporary facade that pretend convey an idea of unity.













Team: Maral Günenç, Srishti Gupta, Johana Narvaez, Adedunni Roberts, Hriday Bharaj, Hossein Rezaei

2016 Politecnico di Milano - Design Studio III N.O.A 2050 - Nexus of Aquaponic Farms Lafarge Holcim Awards Participant

The Situation Global Warming



OF THE NORTH POLE IS MELTING

Causes



Emission of Green House Gases Combustion of Fossil Fuels Methane from Land Fills Nitrogen and Phophorus Cycle



OF GLACIERS WILL MELT IN THE NEXT 30 YEARS

Possible Consequences If the temperature rises more than 2 °C



Rise in Sea level by 20 meters by the end of XXI century



Reflects solar heat into space

MELTING RATE

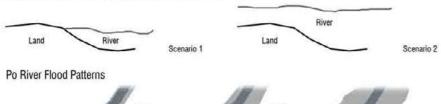
Equivalent to a football stadium, every 3 minutes

What is the polar ice?

The Scenario Flood?

It is safe to assume that most cities in future, will be concerned with the issue of water. With the increase in global temperature two extreme conditions, either abundance or absence of this natural resource is predicted. We are defining and concentrating on the following two scenarios:

Scenario 1: Business as Usual, where the water levels stays as it is, including the perennial flooding of the river Po, where water can rise up to 10mt. in the worst case scenario. Scenario 2: With the increase in Global Warming, a flood is more likely to occur in the near future.

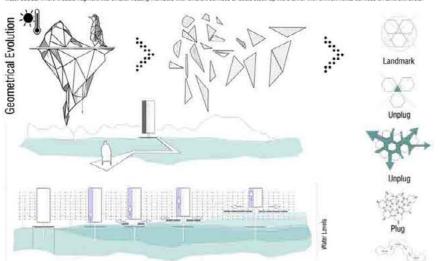




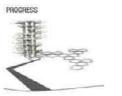


The Idea Plug/Un-Plug

The flexible platforms which is anticipated to plug into natural and artificial elements, sensitively responding to environmental issues and requirements, water, the binding element of energy, nature and economy becomes the spins for the functioning of these platforms. The platform is envisioned to adapt and modify itself with the change in water level in natural water bodies, where it could fragment into smaller floating members with different services or could stack-up like a tower with environmental services on different levels.



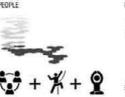




Innovation Porous modular framework, Ethical Standards, Architecture brings about Resource, Productive landscape merging. Economic Viability, Production of food as. Contextual and Aesthetic Impact. Reaccommodating all the functions optimally.

Transferability: Structure and platforms unalland. adaptable to different cities.

The conceptual structure is stable to the best Social Inclusion: Platforms enhance spatial of our knowledge but needs to be verified experience for users.



Plugging/unplugging hexagonal platforms coexistence with the surrounding community, with natural environment to serve future means of sustenance for the community. Provides farmland in the absence of the nat-

Public interaction with the structure.



Environmental Performance: Energy neneration Biodiversity park to enhance the ecological structure. character. Submerged structure to feed

aquatic life.

PROSPERITY

Provision of jobs, investment opportunities. riverscape, visible from numerous Compatibility. Small area occupied on river access points. landmarks floating on Water purification system for feeding the river.

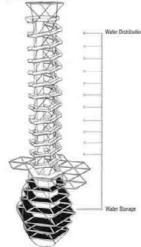
defining urbanism by creating a new





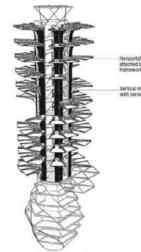
Vertical Circulation

The lift core forms an effective circulation in combination with hexagon spiral staircase wrapping around it.



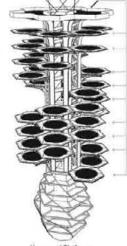
Water Storage

The under water tank with the balast helps in further balancing the structure and keeping it upright.



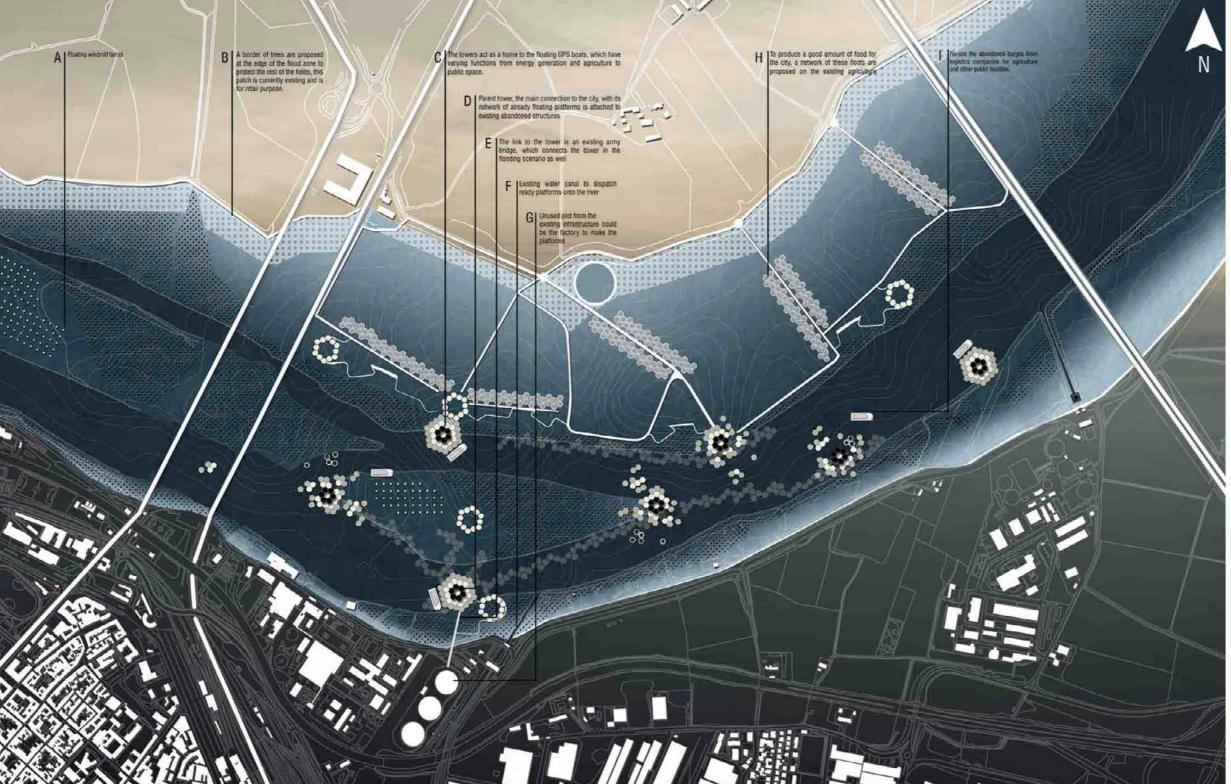
Structure Framework

The Structure is a combined configuration of I and C Steel sections. The Vertical I section column provides space for running service pipes feeding different levels.



Hexagonal Platforms

The Platforms at different levels serve ecological and public purposes. Solar panels on top, are connected to a battery that charges the smart GPS boats.

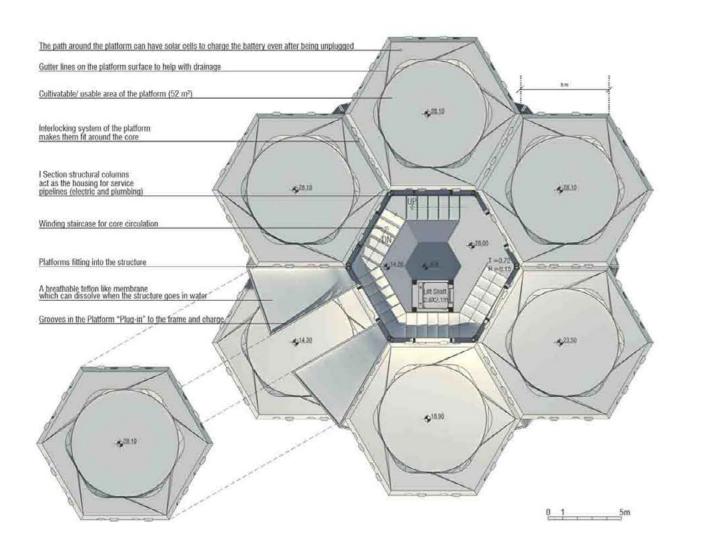




Existing greens

Floating Platforms

Unplugged Platforms





The Details

Platform Details

Every level of the tower serves different functions based on the approximity required with human interaction. The following are the different functions incorporated and in the sectional view you can see the order in which they are composed.





a. ECOLOGY HABITAT

Another adverse effect of the flood is the loss of ecology and biodiversity of our lands. We proposed a platform for this to help the current diversity to grow and expand further. It is designed as a home for birds, plants and small animals.





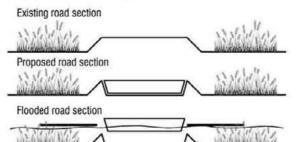
b. HARVEST PLOT

Agriculture lands get affected a lot with flooding, and to help support the community we proposed platforms which can grow food [Grains and other tall plants] and float when the flood comes, hence helping to prepare for the immediate future.

Barge Details

Designing a network on the river can be challenging and expensive. To manage this, we proposed a link made of abandoned barges that can rest on the existing roads in between the fields. Till the flood comes, they can act as the connection to the field and start floating as the water rises.

This network of barges in the flood scenario can float and maintain the connections; serving a dual purpose of boundary and other functions that can be added on it to increase social interaction with the project and also increase yield.







c. SOLAR ENERGY

To make our structure independent from the available infrastructures, the top layers are for energy generation through solar power that makes it self reliant.





d. HYDROPONICS

For agriculture within the tower, hydroponics will be used to cultivate vegetables and fruits. This technique will be usefull when the platforms are unplugged from the tower and the plants can get the nutrition directly from the river itself.





a. OPEN MARKET

The floating barge provides a big area for the retail of the harvest grown on the hexagonal platforms, these markets can be managed by the farmers maintaining the harvest or even as a community effort.



b. SPORT FACILITIES

When the main resource for humans gets flooded, we need alternatives for possibly all activities we partake in, including sports. Since barge sizes vary, the facilities could vary from a play feild to a soccer feild. depending on the availability.

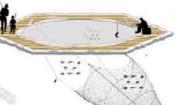




e. GREEN HOUSE

Some plants, for human consumption and otherwise, need special care and conditions to grow, and cannot always be grown in all temperatures. For this the project proposes to also have platforms with green houses; which can be multilevel.





f. FISH AND KELP NURSERY POOL

With hydroponics unplugged, the lower part can be very good for breeding fish. So it becomes somewhat like aquaponics, but the fish are free and not necessarily for human consumption.





c. WORKSHOP AREAS

Along with buying the food for consumption, it is sometimes nice to learn how to grow it yourself as well. These floating workshops will serve that purpose for those curious to learn.





d. OPEN THEATRES

Other interactive activities could include pop up theatre as it provides a good public space.









Team: Maral Günenç, Priscilla Cruz, Maria Aldea

2015 Politecnico di Milano - Design Studio I Valpolicella Wine Center Inspireli Awards 2016 Semi Finalist

