

PORTFOLIO

BOB HU

Bob Hu



Senior Architect
Creative Planning Studio
UD Architectural Design Institute
East China Architectural Design & Research Institute Co., Ltd.
Visiting Scholar in University of Oregon, 2015

Chinese Name: Bo Hu
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Dear Sir / Madam:

I am currently employed as a senior architect in Creative Planning Studio of UD Architectural Design Institute, East China Architectural Design & Research Institute Co., Ltd in Shanghai, China. I have been at this position for almost 4 years, since graduating from Southeast University with my Master's Degree in Architecture. The 3-year experience as a graduate student in a mentor architect's studio helped me gain the capability of researching, thinking and analyzing critically as a designer. The 4-year career as an architect was full of both practice and challenges for my pursuit of developing original architectural creation and deepening my understanding of design concepts.

In the initial half of 2015, my company granted a prestigious chance to study in the A&AA department of University of Oregon as a visiting scholar. Thus, to broaden my experience as a designer and to give me time to reassess my architectural career and design methods, to improve my future work. As part of the exchange program, the UO has asked each the 11 visiting professionals to try to find an internship in a US company, for a maximum of 2 months, in order to enrich our visiting experience.

I believe my experience, in both my studies and professional career as an architect in China, should qualify me for consideration. To further acquaint you with the specifics of my background, I have included my resume. I hope you will consider me for a internship. I look forward to meeting with you and discussing both my qualifications and portfolio in more detail.

Sincerely,

Bob Hu

RESUME

EXPERIENCE / MAIN WORKS



Pingshan Culture Complex
Shenzhen, Guangdong 2013.05



Kunming National GRID Corporation
Office Building
Kunming, Yunnan 2013.03



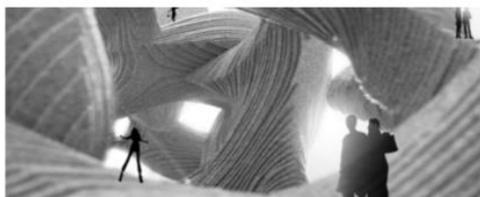
Energy Recycle Incineration in Jiading
Shanghai, Jiading 2012.04



Chinese Sturgeon Protection Centre
Yichang, Hubei 2012.04



The 8th Flower EXPO Natural Pavilion
Changchou, Jiangsu 2011.12



12th Venice Biennale Work on Exhibit
POROsCITY
Venice, Italy 2010.08



2015

2015.01

Visiting Scholar
In A&AA Department,
University of Oregon, US

2014

2013

2012.11

2012 Jingchuang Prize
for Young Architects in Shanghai
Winning The Third Prize
Project Jiading Energy Recycling Incineration

2012

2011

2011.06

WORK in
UD Architectural Design Institute
Creative Planning Studio
East China Architectural Design & Research
Institute Co., Ltd.
UD Architectural Design Institute

2010

2011.03

graduated with Master's Degree
in Architecture Theory
School of Architecture, Southeast University (SEU)

2009

2010.08

Participate in 12th Biennial, Venice
Work Topic "POROsCITY"
Represent School of Architecture,
Southeast University (SEU)

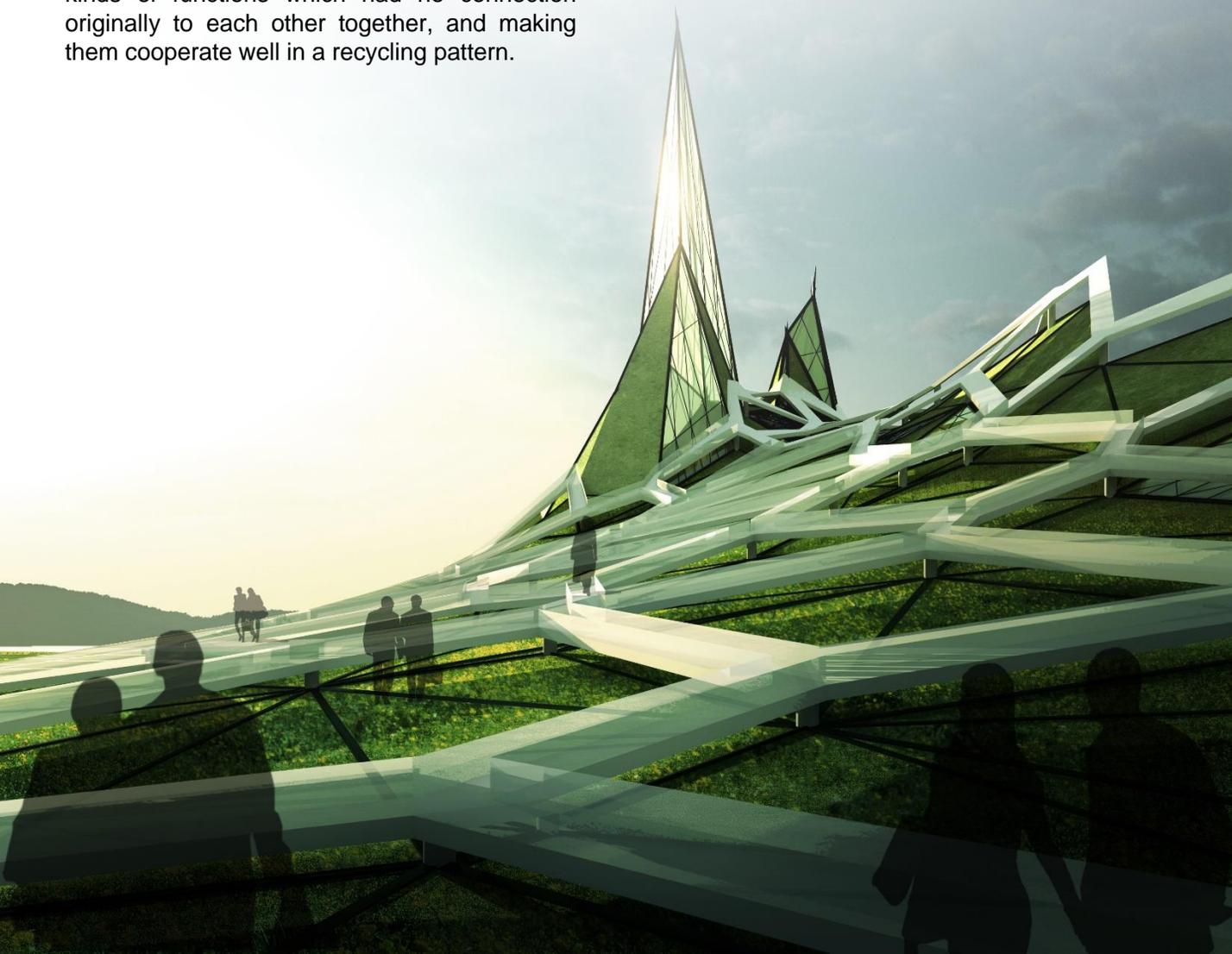
2008

THE INCINERATION FOR ENERGY-RECYCLING

SHANGHAI, CHINA / 2012

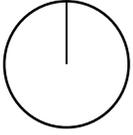
This mountain-like form was located at a place where no mountain existed. What I tried to do with this form is to put a green structural cover or surface onto a ugly incineration for junk-burning, even make the green surface work as a converter that could transit the energy from junk-burning to landscape outside the surface, at the same time, to an extreme, reducing the pollution on environment of the incineration.

In a word, it was a kind of attempt to program 2 kinds of functions which had no connection originally to each other together, and making them cooperate well in a recycling pattern.



VATALITY CONTINUOUS

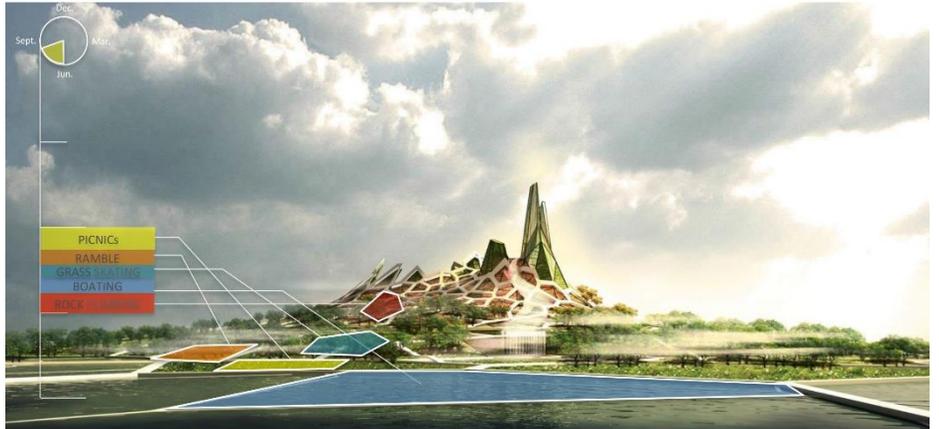
365d / 24h



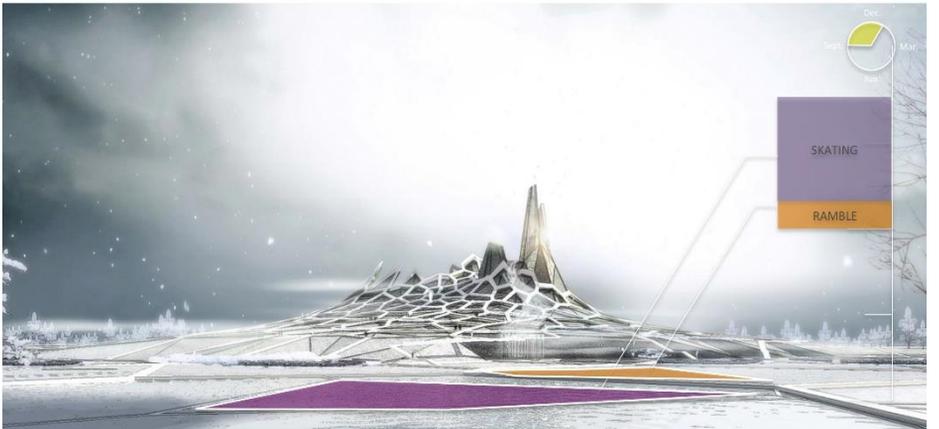
SPRING



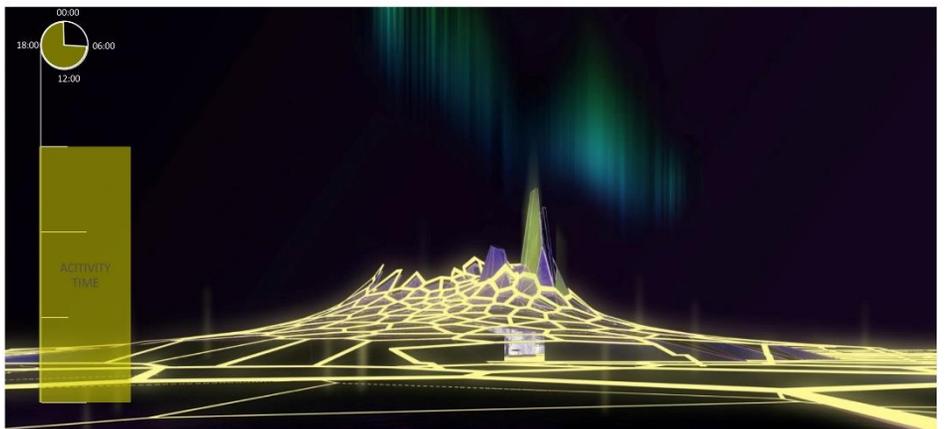
SUMMER



WINTER



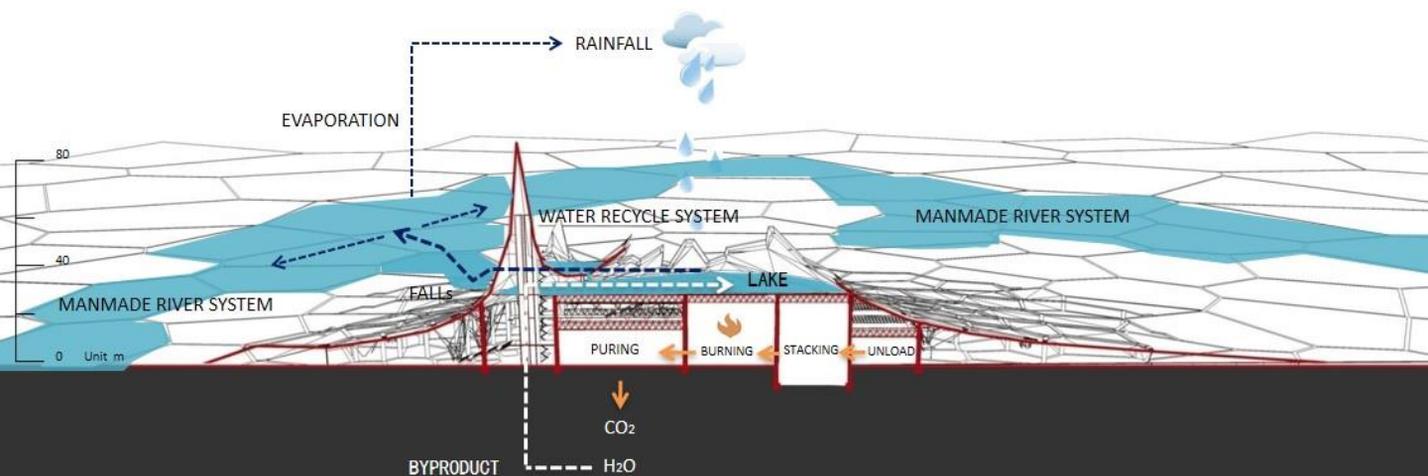
FESTIVAL



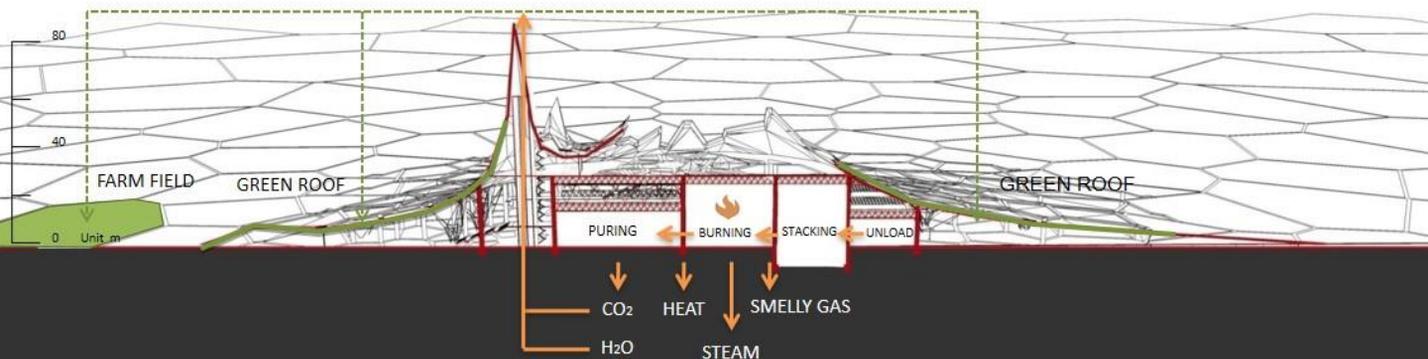
When talking about this giant surface form wrapping the incineration, I said what we designed was not a single FORM but a totally new MODE to balance HUMAN BEING and ENVIROMNENT.

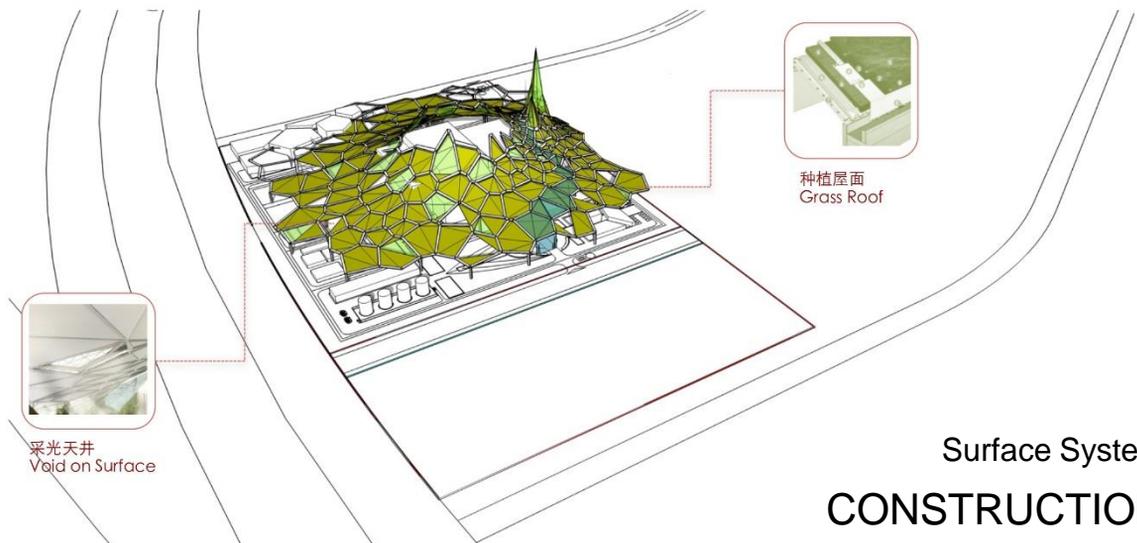
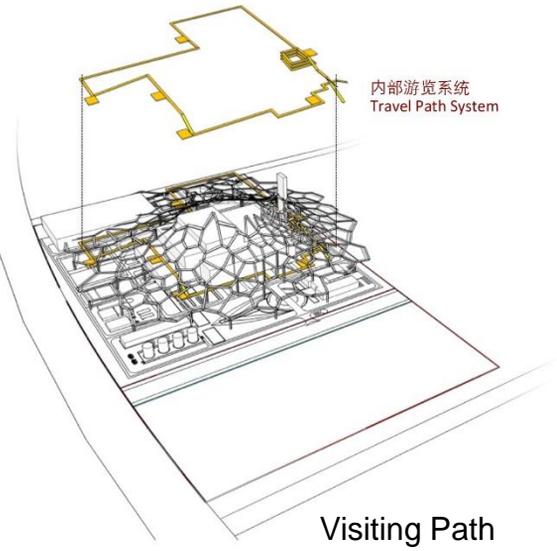
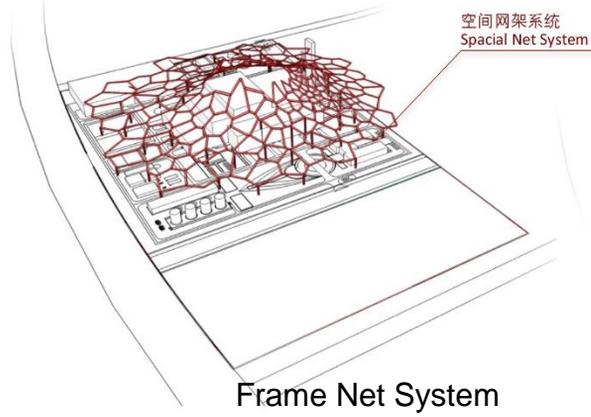
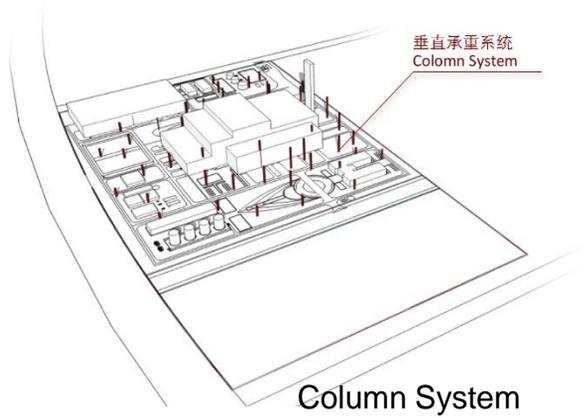
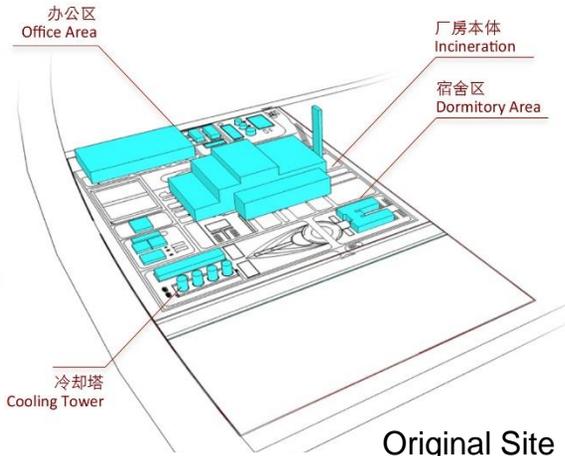
In Chinese traditional cultural attitude, mountains and rivers (山·水) mean the real comfortable environment and place that already became into Chinese living philosophy. In this conceptual proposal, all the materials were working for the energy recycle and reducing the pollution from junk-burning.

Water as byproduct from junk-burning was gathered into the Lake on the top of the “Mountain”, and then became a fluid water system together with natural rainfalls to cool down the surface of the mountain. At the same time, the fluid water system as a landscape fall came down on the ground to irrigate the farm field and green grass.



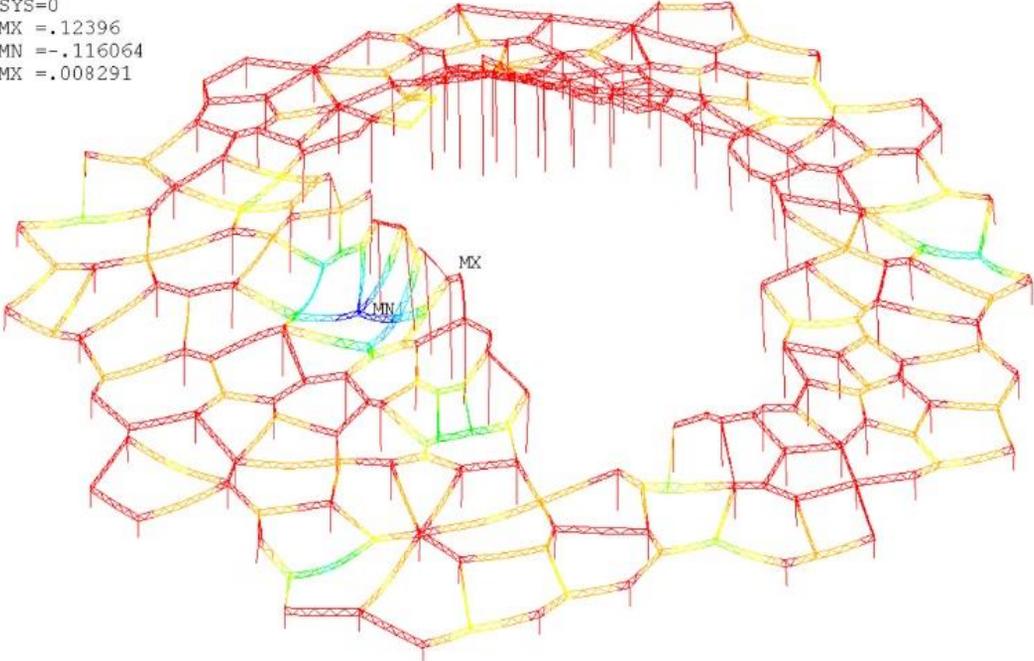
As one of the 2 kinds of main byproducts, CO₂ was used for feeding the GREEN ROOF. The landscape on the mountain was totally from the energy buried in junks. Thus, the mountain was not a single form anymore, it lived on the ground, deeply exchanging the energy with surrounding human society.





STRUCTURAL ANALYSIS

4
NODAL SOLUTION
UZ (AVG)
RSYS=0
DMX =.12396
SMN =-.116064
SMX =.008291

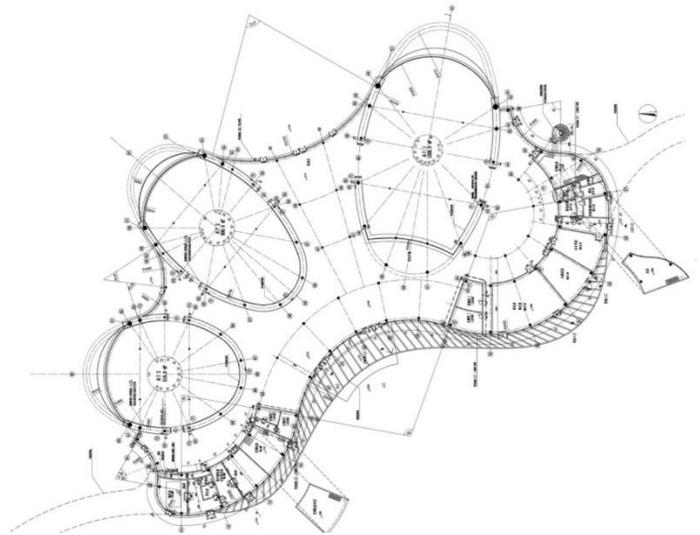


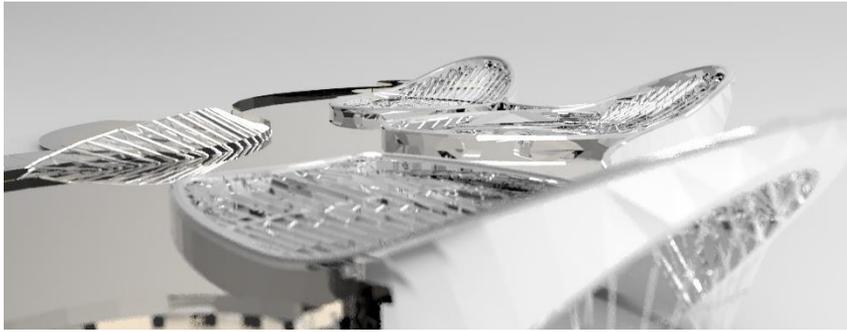
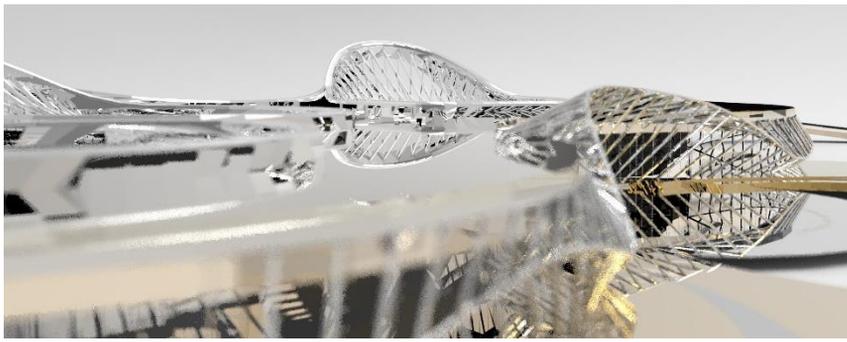
NATURAL SCIENCE PAVILION OF THE 8TH FLOWER-EXPO

JIANGSU, CHINA / 2011

The Chinese 8th Flower-EXPO was held in Changchou, Jiangsu, 2012. The Natural Science Pavilion played a vital role of containing 3 main greenhouses for different plants from climatic zone.

As a building talking to the environment, what I want to do was to make it part of the surrounding natural elements and one node of the visiting path. The initial target was to let the pavilion grow out from the landform continually and smoothly.





01	03
02	04
	05

- 01 Entrance of Physical Model
- 02 Roof Platform of Physical Model
- 03 Interior Space of Greenhouse
- 04 Interior Space of Corridor
- 05 Interior Space of Main Entrance Lobby

Pic 03-04 were shot in the building after it was built up.



Bird's-Eye View of the Natural Science Pavilion

PERSPECTIVE VIEWS



We created a man-made natural world inside the greenhouse, made the outdoor landscape elements extend into indoor space.

I took this photo of a staff member cleaning the lake before the pavilion opened for the public, while the scene which interior and exterior landscape mixed together so closely that it looked pretty dramatic.



Typical Tube

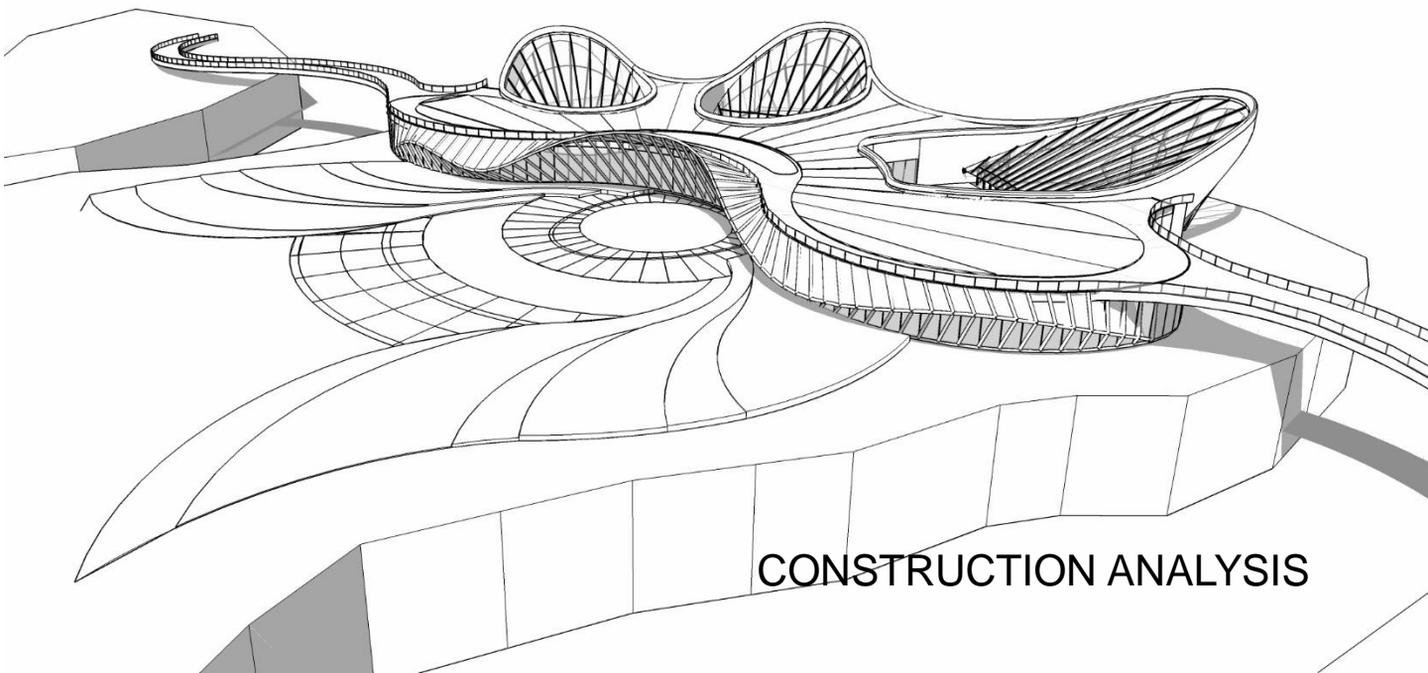
Transformation

Developing

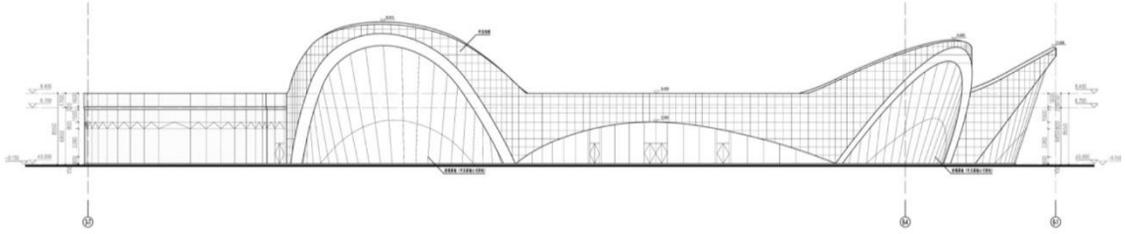
Another key-point in the deepening period of the proposal was to regularize the greenhouse parts which looked like petals of flowers.

Via the communication with our engineers, the “petal” form was something of cantilever arch in structural analysis, and we need to give spatial surfaces and curves in the form accurate definition so that the structural calculation could worked in a quantitative way and the construction pattern could be predicted very well.

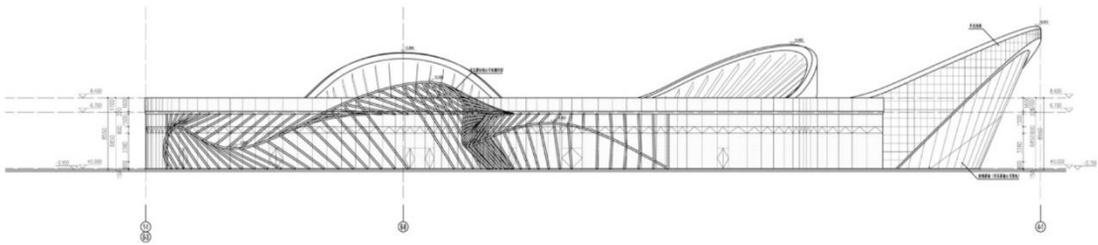
Every informal thing could come out of formal thing, that is why I develop the “petal” like cantilever form part of a formal tube. The surface of the petal could be defined as easily as the one of a typical tube.



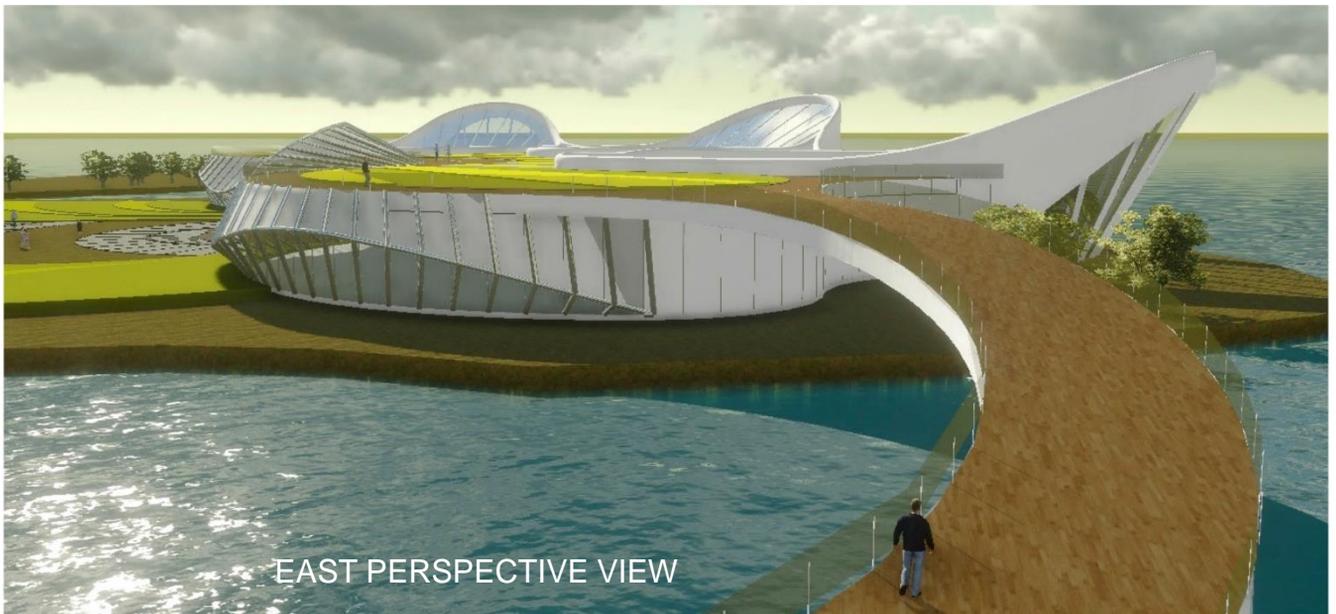
CONSTRUCTION ANALYSIS



North Elevation



South Elevation



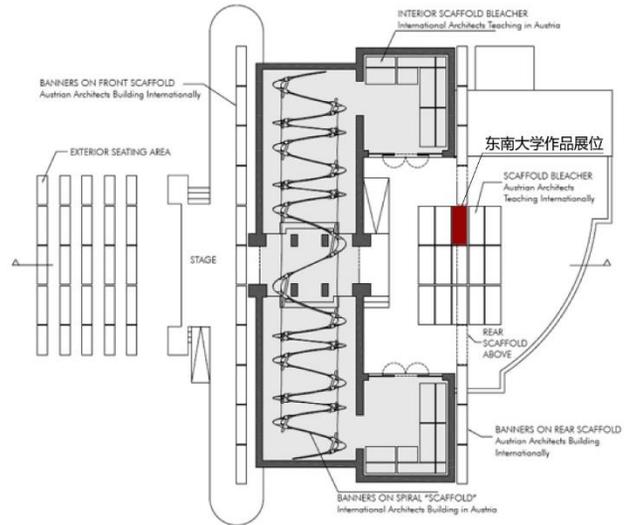
EAST PERSPECTIVE VIEW

POROsCITY in 12th Architectural Biennale Venice

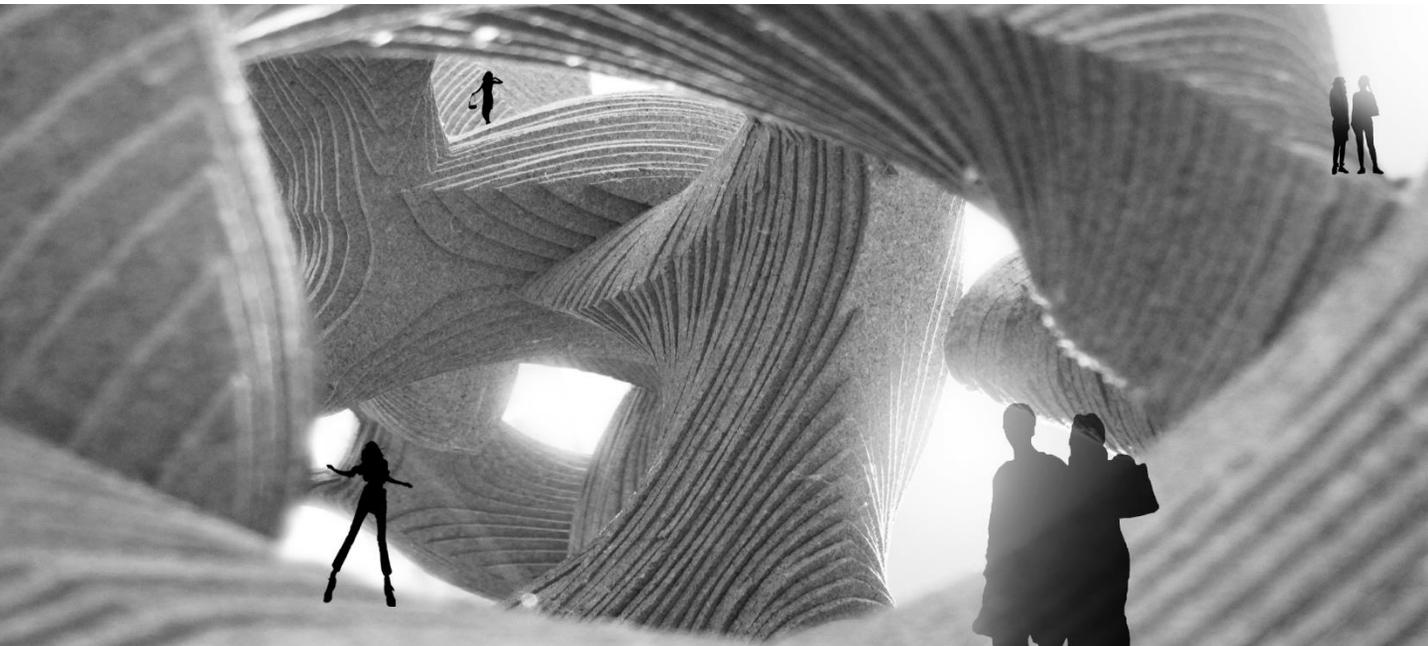
VENICE, ITALY / 2010

Based on the invitation of Eric Owen Moss for Rainer Pieker to participate at the Venice Biennale 2010 as well as architect but also a teacher. Rainer Pieker has suggested to do this special teaching in Southeast University(SEU) in China, since Owen Moss has to present Austria as a important center of architecture design and urban planning discourse. The work of POROsCITY represent a new idea for future of the city which has varieties as to space and density.

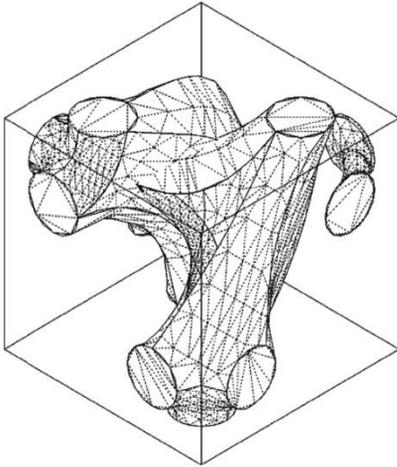
This became a important experience of my schooldays inspiring me the idea that control a complex system via dealing with elements.



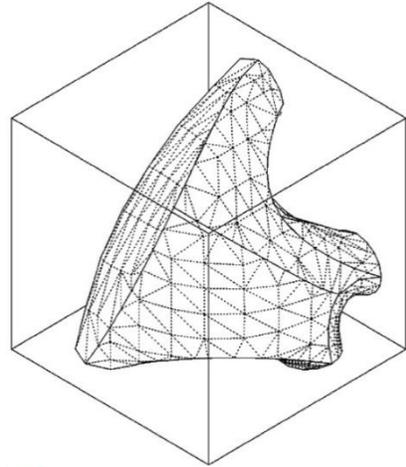
The Exhibit Position of POROsCITY Work



ELEMENTs DESIGN



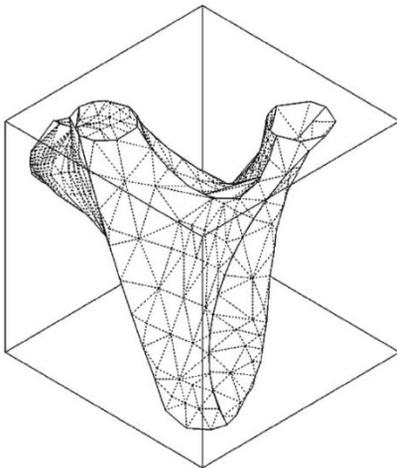
■ 元素一 Element 1



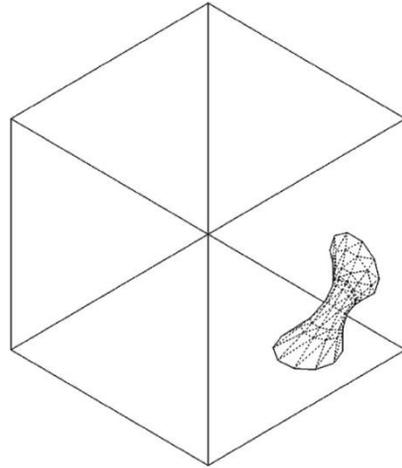
■ 元素二 Element 2

大量使用以简化拼接的规则
Large numbers of Element 1 to ease the
principle of combination

用于城市形态的转弯以及大空间的避让
Used for give the form of urban a bent shape or he
make a large public space



■ 元素三 Element 3



■ 元素四 Element 4

用于城市形态的转弯以及大空间的避让
Used for give the form of urban a bent shape or he
make a large public space

城市的边缘以及超大型公共空间的边缘
Used as the edge of city or the boundary
of biggest space

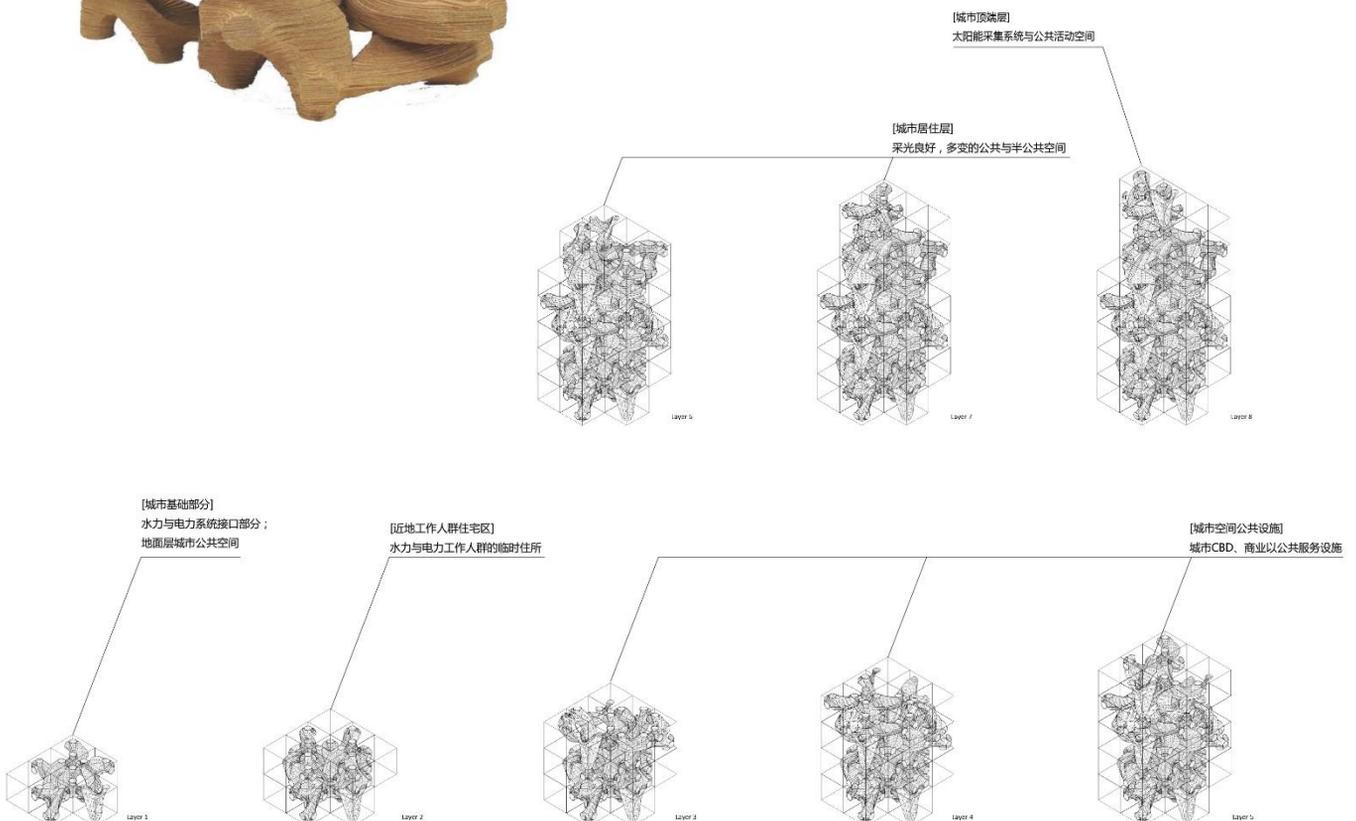
DESIGN LOGIC

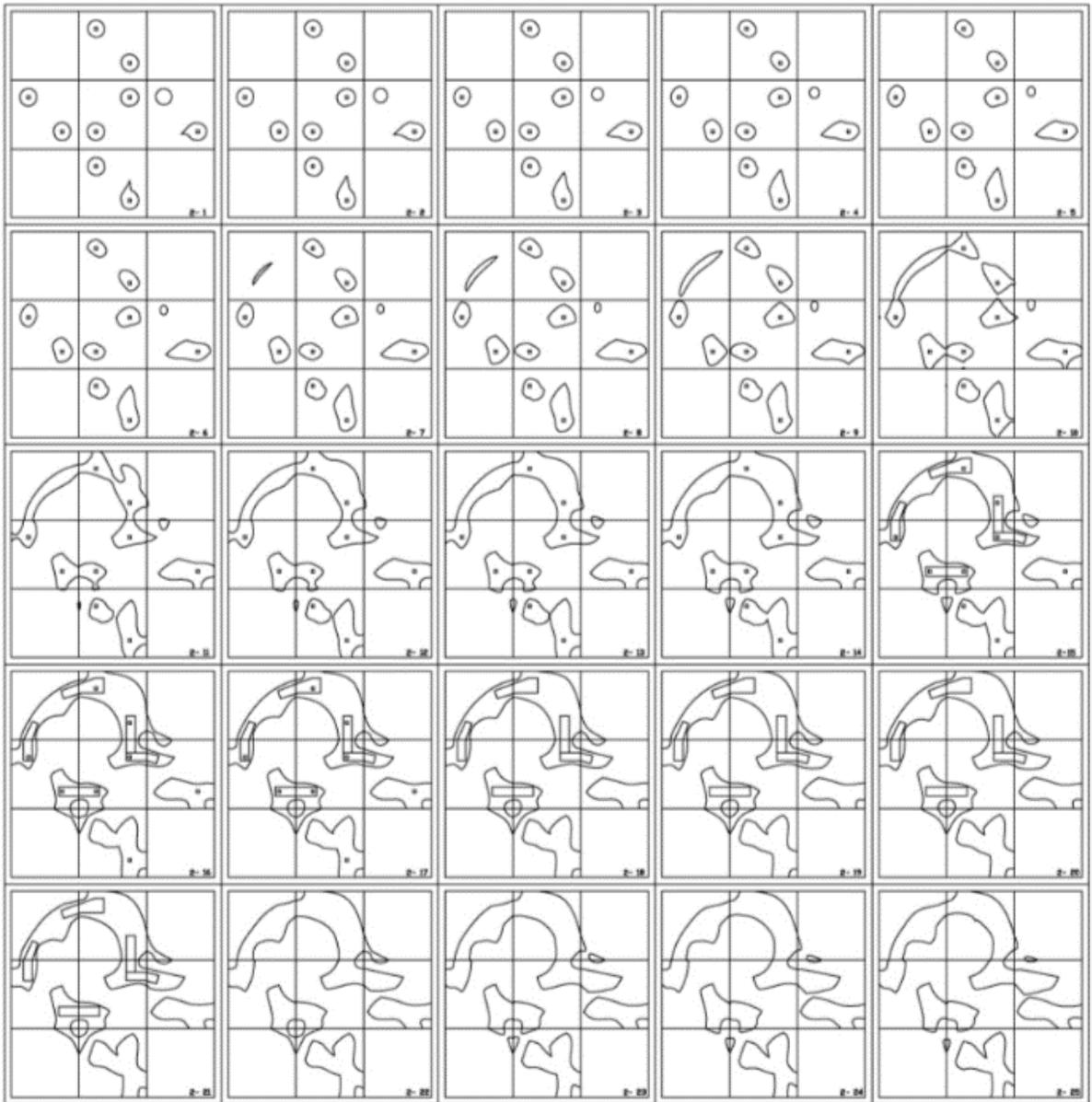


The target of this workshop was to build an enough complex city for future which had clear inimitable symbol for people living in it to make the life there full of power and surprise, but the rule to build this city was that infinite elements were required.

“MORE POTENTIAL, FEWER ELEMENTS”

For this target, we began with the element research in basic topology analysis. Each space unit and public chamber was created by the definition of the elements.





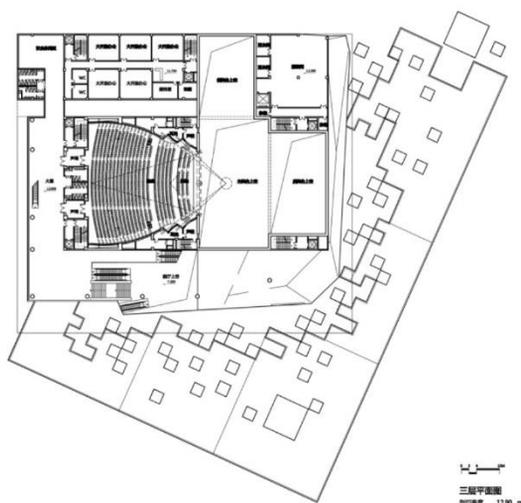
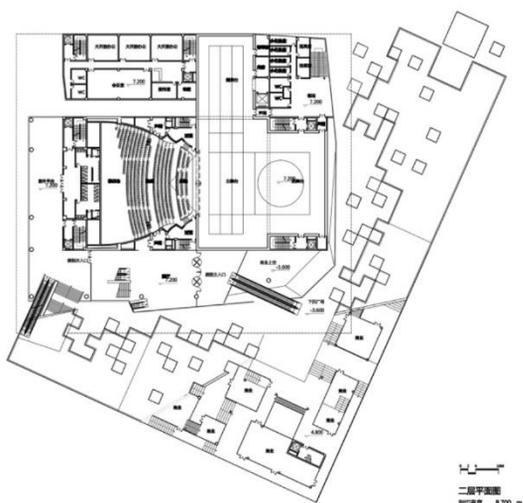
PHYSICAL MODELING by LAYERS

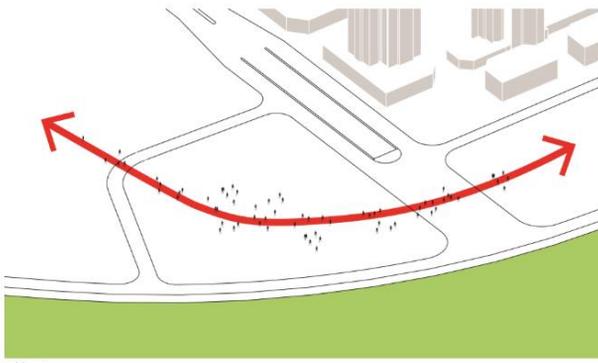
URBAN COMPLEX in SHENZHEN

SHENZHEN, CHINA / 2013

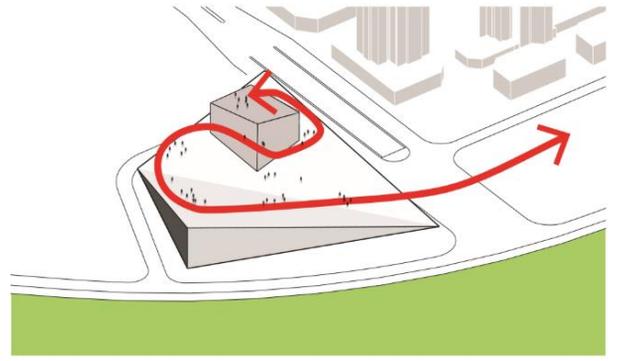
In modern life style, function division becomes a blocker on CITY VITALITY. Over the left shoulder, MIX-USE of different functions and usages could create a series of vivid urban events for people's daily life.

In this project, what I was attempting to create was a HUGE STAGE of CITY LIFE. The total proposal began with a theater in the complex building. Then, I put more public space into the dramatic chain. The functions around the theater such as retails, markets even bus stops all join the relationship of watching and watched topology. Based on these deliberately planned places, people in the city became the actors of their own lives.

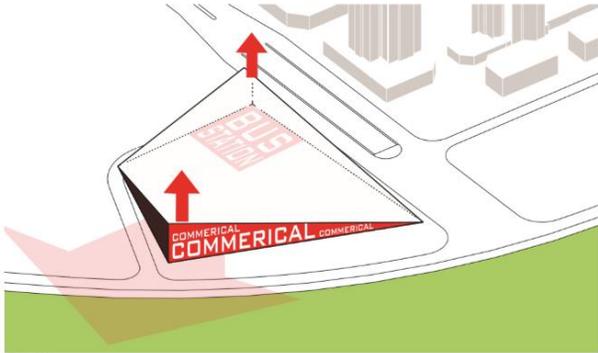




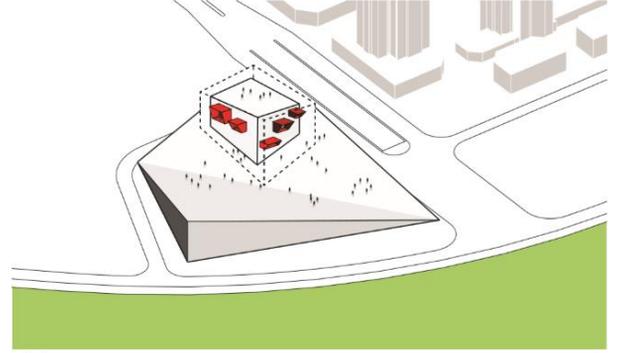
联系 基地内部需要一条连接相邻地块的活力内街



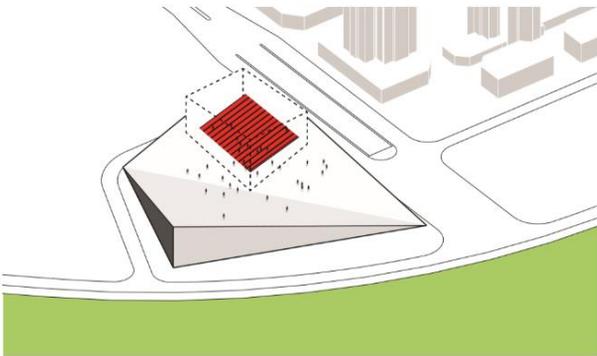
环绕 将单一维度的人流围绕剧院体量环绕上升，形成立体的公共空间流线



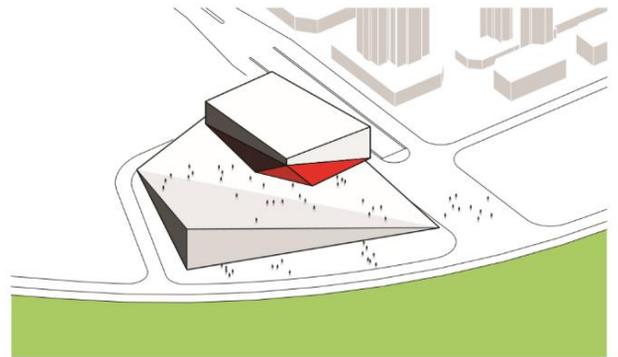
抬升 将基地内街两侧抬升形成面对公园的商业空间及面对城市的巴士站



戏台 沿着环绕的公共流线在不同标高设置与城市互动的戏台，体现城市与剧院的互为观演



剧院 将场地的抬升部分作为剧院的台座

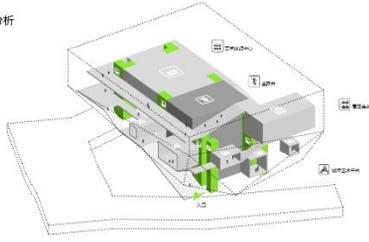


削切 将剧院体量削切，从而在不同的角度形成与城市间较好的互动关系

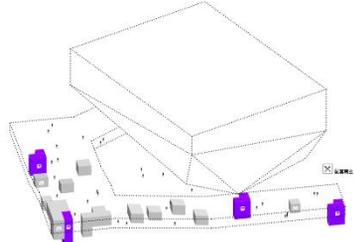


PROGRAMMING

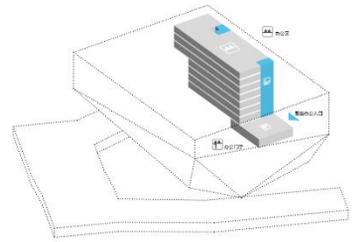
剧院功能布局及流线分析



公共平台流线



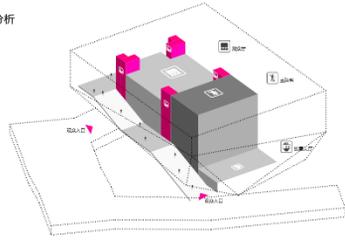
配合商业流线



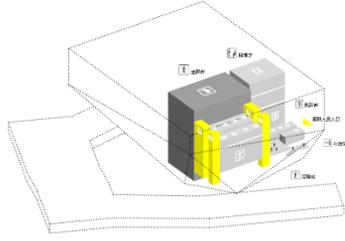
配合办公流线



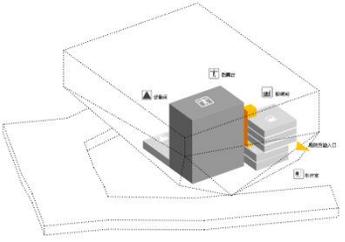
影院功能布局及流线分析



观众流线



演员流线



流线



“Your sight going through the curtain wall, what you will see, the existing parts of your city are collapsing together with where you are standing now. The HYBRID, POWERFUL and VITAL construction components are bearing the weight of your LIFE. ”

- Bob Hu



Interior space view of
Urban Complex in Shenzhen



胡 博

Bob Hu

现代都市建筑设计院 主创建筑师

Senior Architect in UD

“After I became an architect, I found my different selves
in different buildings.”

- Bob Hu

Personal Web Site
<http://zhan.renren.com/bobbyhu>