Graduate Institute of Architecture , NCTU 國 立 交 通 大 學 建 築 研 究 所

碩士論文

波動 - 區域事件與空間的互動影響 WAVE - Regional events with the interaction of space



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NATIONAL CHIAO TUNG UNIVERSITY GRADUATE INSTITUTE OF ARCHITECTURE DESIGN PAPER 04/06

/摘要/

自後現代建築思潮濫觴至今,建築的多樣貌、空間型態與本質,以一種奇觀化現象展演著,過去建築歷史中討論的材料、機能、構造…現在一一地被重新定義、詮釋,似不再是研究所謂"建築"的唯一方法! 當代思潮興起、網路化普及、資訊遍佈…,全球化不再咫尺天涯,全球化議題架構下討論單一價值不再顯的那麼重要,反倒是地方文化議題起而傚尤,姑且不論"全球化"或"區域性"的操作策略爲何?!充其量是論述下企圖堆砌、分類、收編的詞彙。 試圖以自身文化底蘊、空間環境與歷史脈絡爲背景出發,已更貼近人、環境與區域 回影響於建筑式化容思有常並表本的影響性思想表述和发思。 回歸屬於建築文化空間在當前未來的前瞻性提出看法和省思。

一、鳥石港海水浴場活動基地規劃設計

企圖改變原有人與海的介面元素現存的規則,創造一個充滿活動能量與流動感的空間,並且將新的生活方式由地方原有的海洋經驗爲起點延伸,將風、地形,及各式各樣的社交生活交織在一起,融入大地景色與其變化之中,同時可以以體驗地景變換及"生 活事件融入地景"的場所。

二、台灣地貌改造運動特展設計創作工作坊 I - 水都台北

一個偉大的城市該有的城市願景,透過經驗分析、規劃開發、建築設計、景觀規劃、基礎設施以整合的概念作爲重新建構、想像 "水都台北" 爲主的設計目標….。

三、荷蘭國際第二屆鹿特丹建築雙年展-海洋臺灣

運用「阻隔」與「跨越」的觀點,互爲矛盾卻又同時存在的現象,重新詮釋出一個 新的台灣輪廓,重新畫出一張屬於生活的、屬於結合海洋與陸地價值的台灣地圖,並進一步提出海岸空間的發展觀點,如此我們已將自己從「NOwhere」的狀態帶往「NOWhere」的狀態,認識並且知道該如何走下一步。

四、交通大學應用數學系 _ COPMPUTER LAB

最習以爲常的空間,往往是最令人忽略···藉由實際案例的操作,實踐人與空間中互動的關係···。在設計概念發想過程中,透過分析、觀察人(使用者)的習性,並利用互動 的概念重新定義人在空間只能被動地接受資訊,並進一步地創造資訊而與空間產生互 動。

Since the post-modern architecture till now, it shows a spectacular ways of development in variability, spacing and essentiality. In the past history of architecture we defined it according to it's use of materials, function and structure ...ect. But now architecture seems to be re-defined and reinterpret gradually and this is no longer the only method to study the so-called "architecture" anymore.

Due to the rising of modern theory `Internet popularity `information standardize, globalization is not so far away from us anymore. Therefore under the globalization issues, the discussion on specific value is no longer as important. This topic has been replaced by the local culture. However no matter what the strategy of globalization and the meaning of local area is, it's just a new vocabulary that people attempted to add on, categorize and classified in their own way.

This project is starting from my cultural background \(\) historical background \(\) and the thoughts on environment space arrange. Trying to be more intimate with people, environment and local area, at the same time returning back the culture of architectural spacing .Also looking from my own point of view on environment spacing of now and the future.

1. WuShu harbor -The beach activity center planning

In this case it's about changing the original rules on the elements between people and the sea. The idea is to create a new space that filled with activities, movement and energy .The starting point is to blend up from original local marine extended experience with the new life style, and combine the natural wind, landscape, and various of social life together. Then fuse up all these elements into the nature and the natural changes of landscape, at the same time people can also be able to experience the transform of landscape and the space that "blends the events of daily life into the landscape".

2. Taiwan New Landscape campaign Exhibition

It's a vision that a great city need to have. By analyzing the past experience, and through the city's develop planning, architecture design, basic public construction, and the landscape planning. This project is combined the concept of reconstruction and imagination to create the design of "The water city in Taipei".

3.International Architectural Biennale Rotterdam

It's applying from the point of "blocking" and "over crossing". The appearance that contradict but does existing at the same time. This concept is to re-analyze a new outline of Taiwan and at the same time to re-paint the map of Taiwan that belong to nature, and belong to the combination value of ocean and land.

Also trying to propose the further concept on development of the coast line space arrange. Therefore we are able to lead ourselves from the state of "No Where" to "Now Here", as well as understanding and knowing what is the next step.

4.COPMPUTER LAB Department of Applied Mathematics , NCTU

The most used space that we often un-notice. Through the operation of actual cases, this case is to operate the relationship between human and practical space. The whole design concept process is about to analyze and observed the behavior of the users, and using the concept of interaction to redefine that the space can only be accept information passively, it can also create further information and interact with the space.

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Introduction , DESIGN PAPER

SUMMER 2004 國內套裝旅遊線地景改造運動競圖 鳥石港海水浴場活動基地規劃設計	01-18
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SUMMER 2004



MArch II Architecture Design Studio | SUMMER 04

鳥石港海水浴場活動基地規劃設計

觀光局繼地景及門戶系列國際競圖活動後, 再次辦理國內競圖活動,有計畫的改造台灣的城 鄉風貌。

本次「套裝旅遊線地景改造運動國內競圖」 包含北海岸、桃竹苗、脊樑山脈、阿里山、雲嘉 南、馬祖、花東、恆春半島及高屏山麓等九條旅 遊線,共十個設計案。

其規劃方向可分別爲兩類

(一)規劃設計類:

- 1.北海岸旅遊線鳥石海水浴場活動基地規劃設計
- 2.北海岸旅遊線白沙灣海水浴場及週邊環境改善計畫
- 3.桃竹苗旅遊線南庄旅遊入口資訊站及週邊環境改造工程
- 4.脊樑山脈旅遊線谷關溫泉區街道景觀改善工程
- 5.阿里山旅遊線觸口管理服務中心暨龍美轉運服 務設施新建工程
- 6.雲嘉南旅遊線北門遊客服務區暨景觀遊憩區風 華重現
- 7. 馬祖旅遊線北海坑道據點地景再造

(二) 社區總體營造與規劃構想書類:

- 8.花東旅遊線鯉魚潭遊憩區環境改善計畫
- 9.恆春半島旅遊線小琉球白沙港舊碼頭景觀改善及商店街休閒意象塑造
- 10.高屏山麓旅遊線新威苗圃暨茂林國家風景區管 理處週邊環境改善

2008年觀光客倍增計畫 套裝旅遊線地景改造運動 國內競圖

NEW TAIWAN BY DESIGN



圖1-1 北部海岸線觀光休憩系統圖



圖1-2基地位置圖

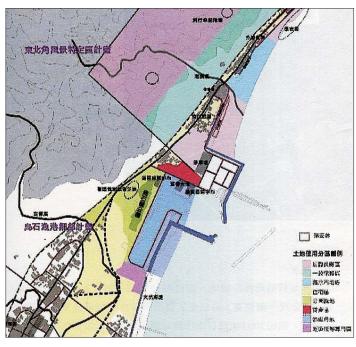


圖1-3 土地使用分區圖

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鳥石港海水浴場活動基地規劃設計

壹、設計主題

一、設計目標

規劃成為台二線景觀道路路廊上東北角海岸風 景區南入口,並塑造北部濱海海水浴場新樣 貌。

二、範圍及現況分析

(一)、位置及範圍

本基地位於蘭陽平原東北端,西靠雪山山脈,東面太平洋,南鄰烏石漁港, 爲蘭陽平原進入頭城沿海地去地形上開始變窄之處。行政區域屬於宜蘭縣 頭城鎮,跨 外澳及港口兩里,土地 使用計畫位於「東北角國家海岸風景 特定區」,範圍內,詳圖1-1,圖1-2

基地範圍西至港口社區堤防及外澳社區堤防所形成的堤線,南、北分別以港澳溪、外澳溪為界。基地約12公頃,包括海堤與外灘,南北約800公尺,寬度南、北側約分別為200公尺及100公尺,為一狹長形區塊的海灘。

(二)、地權與地用

本基地都市計畫分區均為海水浴場,該 土地使用分區管制與條例詳表一,目 前均為未登錄地,基地現況詳圖1-4所 示之沙灘地



圖1-4外澳沙灘空照圖

三、設計內容需求

項目	標地	說明
海濱浴場區	1.海濱浴場淋浴與換洗空間	區內土地使用規範依照都 市計畫書辦理
	2.公廁	
	3.停車場	
	4.人行動線規劃	
	5.簡易餐飲服務設施區	
	6.休憩區	
	7.入口意象規劃	
飛行傘降落專用區	開放空間及飛行傘降落專用 區相關設施	配合飛行傘基地於沙灘規劃一處專用降落區以區隔海水浴場之遊客活動

表一 海濱浴場區土地使用分區管制

項目	海濱浴場
性 質	海濱浴場區內之土地,以供設海水浴場及其附屬設施爲主
開發限制	(一)建蔽率不得大於百分之三。
	(二)建築物之簷高除救生眺望設施外,不得超過二層樓 或七公尺。
	(三)爲維護遊客之安全良好視域,各種設施之申請應先 送該風景特定區管理機構會同核准。
	(四)本區內得興建管理室、儲藏室、休息室、更衣室、 沖洗室、冷熱飲販店、廁所等有關設施。
	(五)龍門溪之出海口部分,得兼供划船使用。

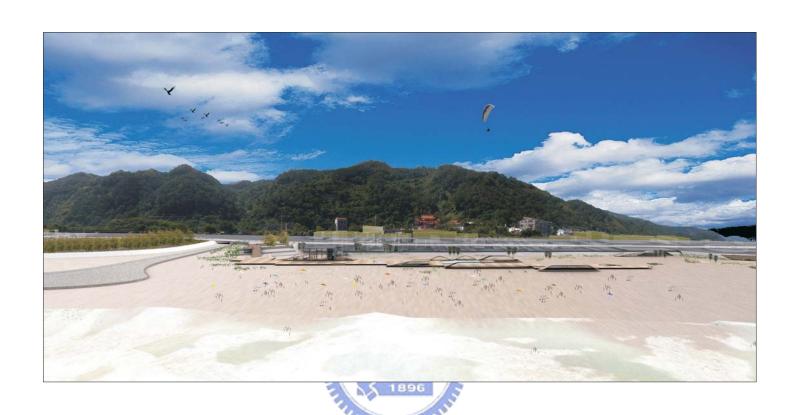
四、經費

建設經費:約新台幣4千萬元

鳥石港海水浴場活動基地規劃設計

能量與流動感的空間,

基地分析 概念



這一片因開闢漁港而再生的海水浴場,在漁業衰退的同時竟成了當地產業及生活方式 改變的契機:

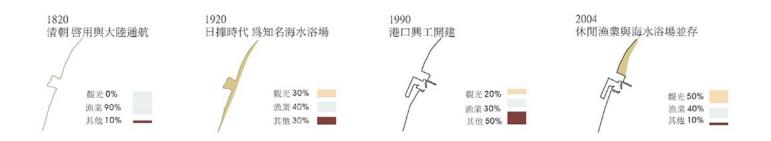
我們由基地這片沙灘所蘊藏的豐厚地景生命潛能得到啓發,

將之視爲後漁業時代台灣生活中的一個充滿生命、休閒與成長活力的<mark>重要目的地。</mark> 在設計提案中,我們企圖改變原有人與海的介面元素現存的規則,創造一個充滿活動

並且將新的生活方式由地方原有的海洋經驗爲起點延伸,將風、地形、及各式各樣的社交生活交織在一起,融入大地景與其變化之中。

在未來,基地不再僅是短暫停留的戲水海灘......

而是一個同時可以體驗地景變換及"生活事件融入地景"的場所。



基地分析 | 概念

>>30KM

在2005年北宜公路通車後·基地與台 北市通行時間將大幅縮減,並使原本 就位於北海岸旅遊端點的基地同時與 國內和國際相接軌。

>>10KM

結合附近的景點:頭城老街、鳥石漁 港、烏礁石遺址公園、蘭陽博物館、 龜山島等資源・基地週遭將形成完整 的旅遊網絡。

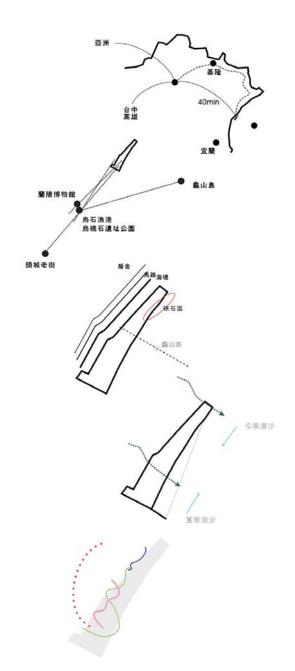
>> 5KM

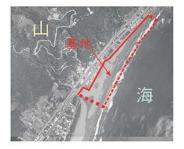
背山望島以及基地狹長的地形塑造了 流動的空間感,在基地的每個角落都 可以看到及體驗到山或海的自然景 觀,而北端的礁石區更將訪者帶入如 畫的自然景色中。

基地不僅位於山與海的交會位置,更 是由山間而來的河川與洋流帶來的沙 地而組成,充滿著豐富而多元的生 態。

>>1KM

基地內,人們與自然生態自由的活動,留下了行動的痕跡。











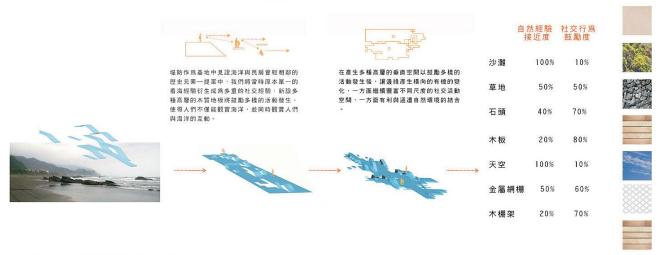




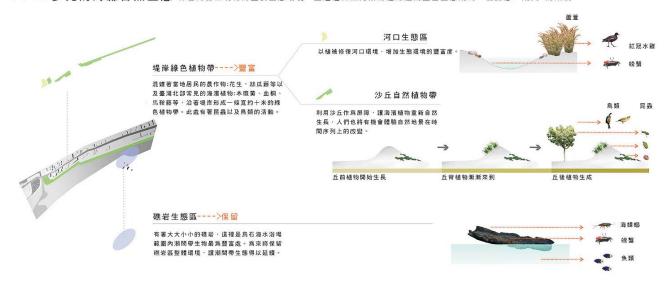
MArch II Architecture Design Studio | SUMMER 04 島石港海水浴場活動基地規劃設計

概念 | 願景

>> A. 一個延伸海洋經驗的沙灘-顯取地景中元素共通的形式語彙及既有人與海的介面,配合不同材質的選擇創造多層次的地景感受經驗,為一個有變化的社交空間。



>>B. 多元的海灘自然生態-保留海灘上現有的重要生態環境,並透過自然元素的運用進而豐富生態成爲一個動態、成長 的系統。



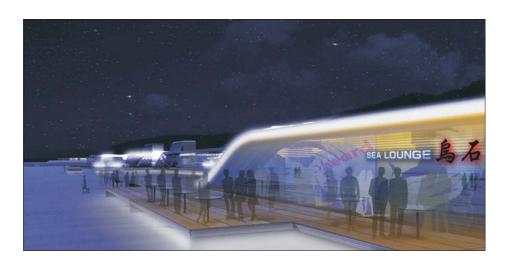
>>C. 一個容納彈性、自主的休閒活動空間-以多種空間尺度來滿足訪者多樣的空間需求。



願景 | 設計原則



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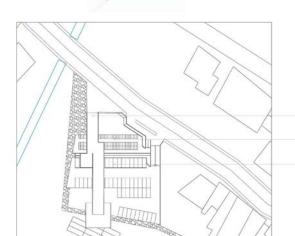




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設計說明

>>入口區



入口木棧道 機車停車場

汽車停車場

遊客服務中心



<u>串連: 創造平行於海岸線的軸線,用最大的觀海面將長型的基</u>

堤防海濱步道 將原本的堤防邊界轉換爲海濱步道軸線·而寫的住宅區,自然風景及景觀平台,將創造整條沿線豐富的韻律

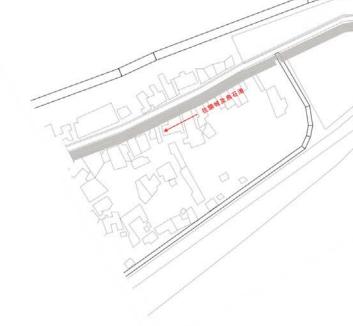
本平台休憩區 本平台休憩區的動線則形成了另一與海等高的軸線。 而軸線的視覺端點消逝在的觀景梯台,將兩個軸線結合在一 起。

島嶼: 以分散的分散的小型活動空間,配合動線一同創造多元完整的休閒設施空間。

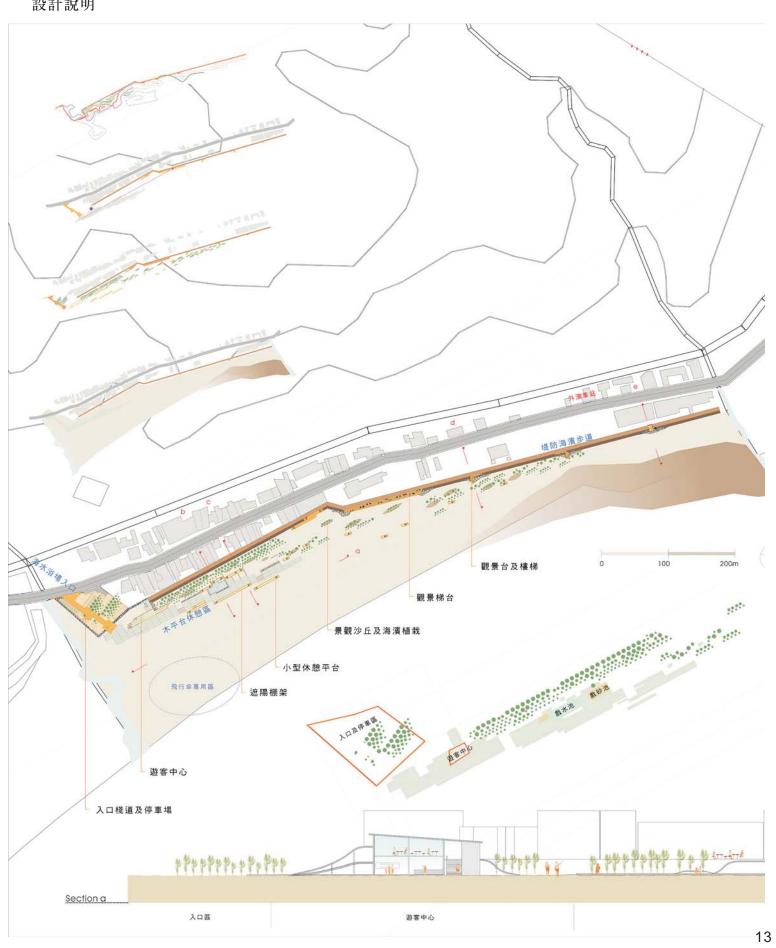
遠陽棚架 由木板平台區升起的棚架形成沙灘上有遮蔭的小型的 活動區域和烏石海水浴場的獨特意象

區位: 在都市與沙灘間配合的環 境條件加入及轉換出不同人們活 動的區域場所。

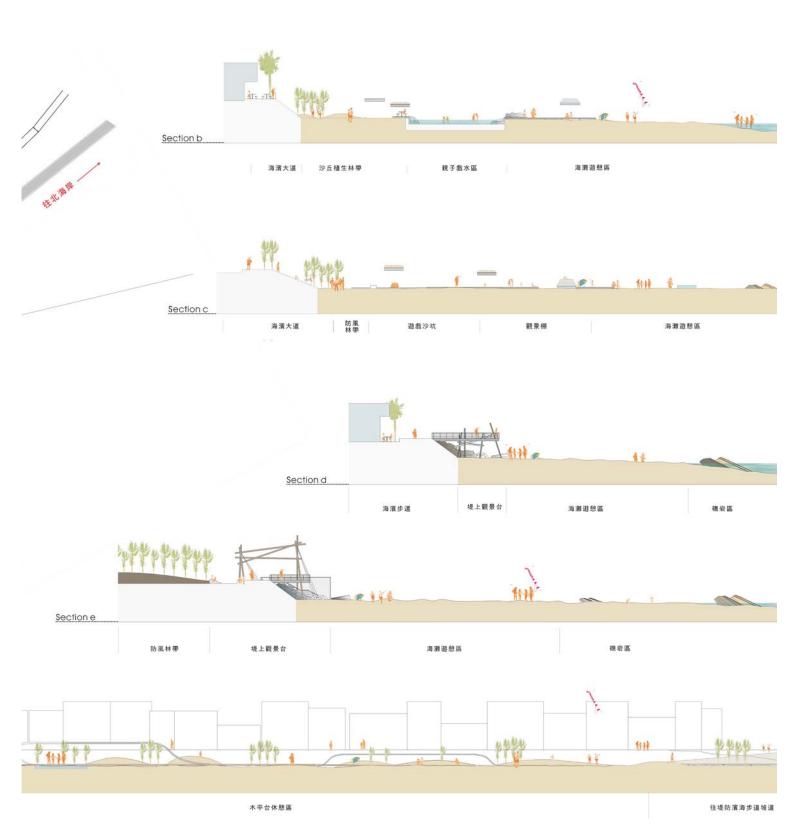
堤防海濱步道區 活動將臨海屋舍的正面轉向海洋\而堤防則將 成寫動線的主要幹道。將原本的邊緣轉化寫居民與次期間之媒介 與提供靜態的觀賞空間



設計說明



設計說明



設計說明 | 木平台休憩區





設計說明 | 木平台休憩區

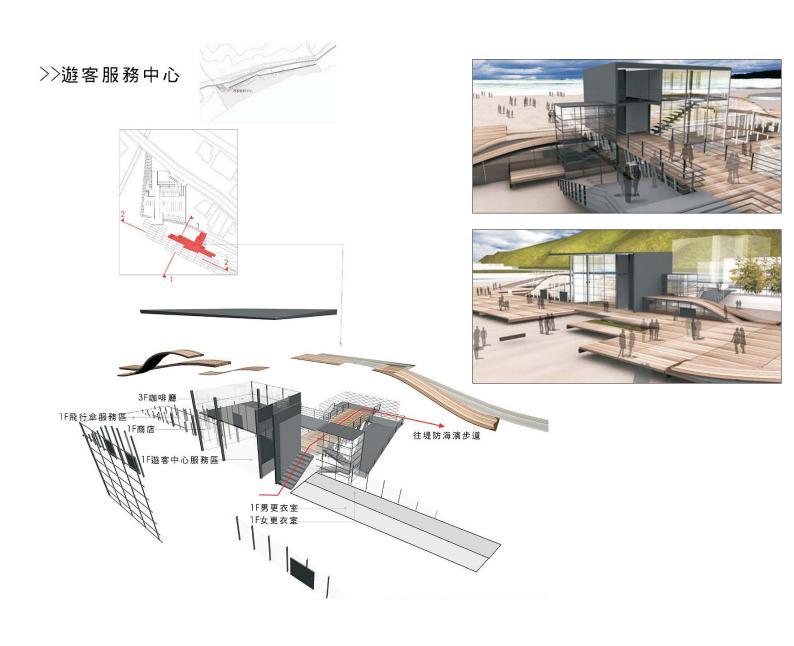


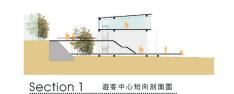


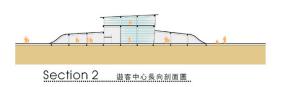
設計說明 | 堤上觀景平台













FALL 2004



水都台北 DESIGN WORKSHOP | TAIPEI-CITY OF WATER

本工作坊藉由設計研究的方式,來探討大台 北地區水資源開發利用、再生、人與水等題目, 希望藉由能台灣水土、森林、人文脈動,"尋找出 台灣水資源的多樣風貌",堪稱台灣的河殤。

在賀伯颱風及林肯大郡、汐止淹水事件等一連串水土災難事件的創傷後,「水」已成爲目前最熱門的環保話題。生活在台灣的每一個人,都應該共同學習保育我們永續生存的空間。

傳統的水利工程僅針對防洪治水等議題提出保守防禦性的基礎工程,未能將生態、環境的永續價值整合於水岸空間,甚至提出與密不可負極空間創意。台北城的歷史與水有過密的提高的關係,但是伴隨著城市發展與人口密度的提「治水」,高聳的提防將台北城圍成一座孤島,治子島與汐止還是躲不掉淹水的惡夢。

因此本工作坊借重低於海平面的荷蘭建築師 分享荷蘭人在過往的歷史中,如何學習與水共存 的永續空間創意的經驗。舉凡國土規劃、都市開 發、建築設計、景觀規劃、基礎設施都以整合的 概念發揮高度的空間創意。

這次工作坊選定基隆河與淡水河交接的社子 島與潮汐最上游的汐止鎮,作爲重新建構水都台 北的想像設計目標區。台北須加強水域鄰接空間 的 圖,讓每一個台北人真正地享受水岸空間, 才是一個偉大的城市該有的城市願景。

臺灣地貌TAIWAN NEW LANDSCAPE MOVEMENT

DESIGN WORKSHOP | TAIPEI-CITY OF WATER

PARTICIPATING PARTIES:
DUTCH ARCHITECTURE FIRM STUDIO SPUTNIK:
Architect: Jaakko E. Van'tSpijker, Henk J. Bultstra
GRADUATE INSTITUTE OF ARCHITECTURE N.C.T.U
Professors:

Chang, Chi-Yi · Hou, June-Hao



臺灣地貌TAIWAN NEW LANDSCAPE MOVEMENT



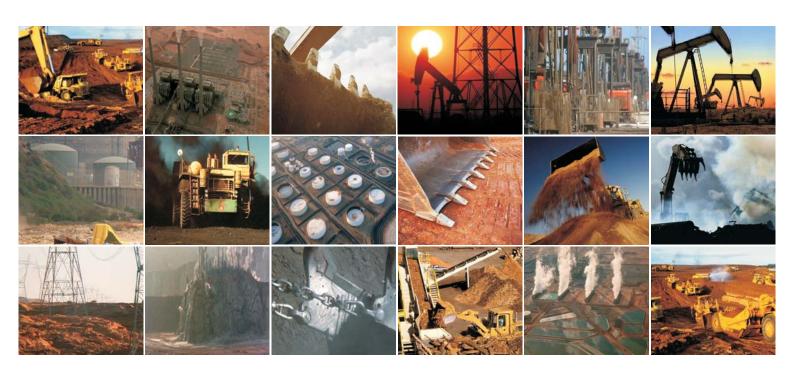


台灣土地故事。台北盆地 The Taipei Basin



台灣土地故事。台北盆地 The Taipei Basin







寄生蟲? 宿主?

Human civilizations have been parasitized on Earth for many centuries.

The word "parasitize" means we used to do more harm than good.

We can see this in Taipei now a days.

We DID do something wrong to the Tamsui River, used to take it's

Advantages for granted and thought it as a threaten.

Everyone knows that Cities can't survive without surface water, then why we thought the river as a threaten in Taipei? That attitude is VERY WRONG.

人類(寄生蟲) 宿主(自然)

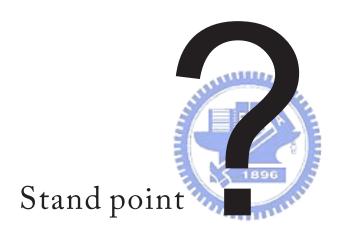
爲何人類會短視到爲了個人的慾望將賴以生存的世界,視如糞 土,極盡的壓榨殊不知,對宿主的破壞就是提前結束自己的生命!!

被壓榨後的環境造成水循環失序,而產生的自我治癒行爲卻引來人類的不斷在破壞,形成惡性循環!!

爲何寄生蟲會覺得宿主對自己有害呢!!?

人定勝天 ? 人類一次又一次深陷在自己所創造的災難,越是顯現脆弱。

人類將自己賴以生存的環境破壞的滿目瘡痍,自然資源也面臨消耗殆盡,對於永續環境的呼聲日益強烈;然而,與水失序的關係,究竟會爲人類未來的命運演奏出什麼變調的樂章呢?



We should find out NEW relationships with water!!









When you put apples and water into a same glass. It could be apples and water or apple juice.

In apple juice, the apples have changed into something new and so has the water

When you put a city and water into a same place. It could be city and water or city juice.

In city juice, the city have changed into something new and so has the water



There is water in our buildings, bounded by pipes and only allowed to go to some particular places when we people need them. Maybe it's some how a reversible relationship, the buildings and infrastructures are for waters, we people walking in pipes and only allowed to go to places where water needs us



Why can't we stand on water surface? Why don't we work out some ways to stand and walk and make our lives "on" the water?



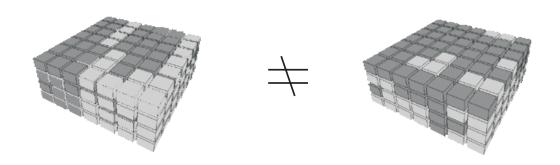
There are emergency life boats on the roof top in this city, So that whenever the water returned, citizens can surrender the city to the floods. Go somewhere and wait till the water is gone.

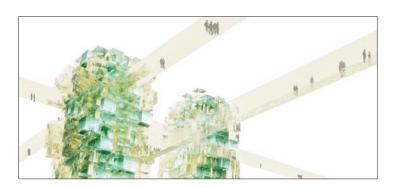




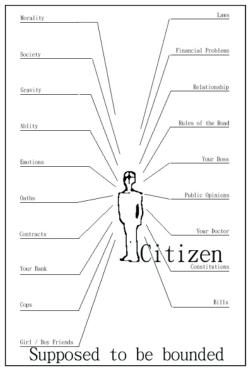
都市的使用應以容積來計算,而非面積來思考當水流泛起,水流在意的也是容積,而非面積。 我們和水共用的是容積,而非土地。

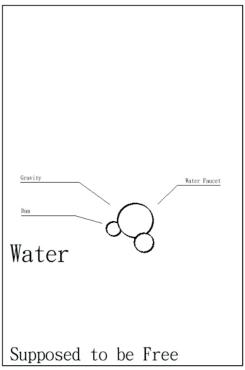
In a place as crowded as Taipei, we should count our territory by volume, not coverage. When water flows in to a place, cubage also means more then area. We share the cubage with water, not land.

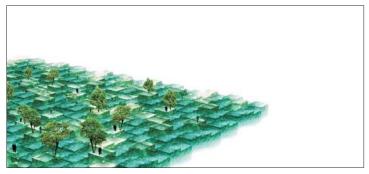


















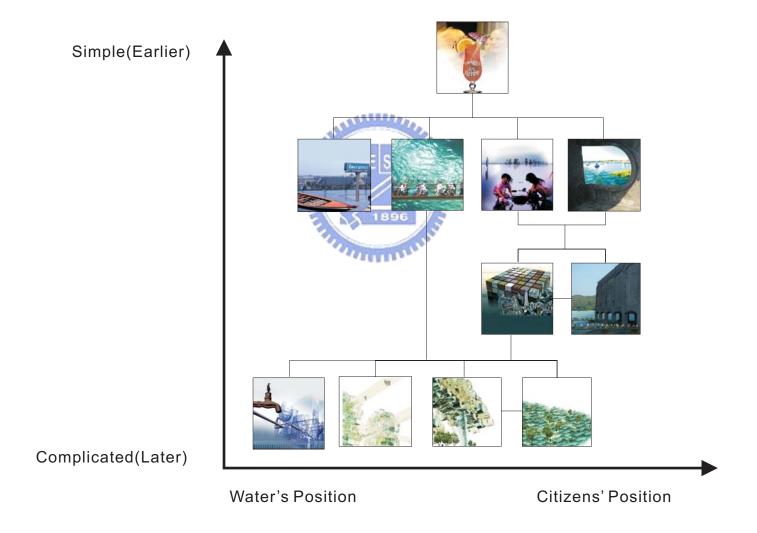
Here is a simple arrangement of all ideas we have shown in today's presentation.

Being a generator of ideas is a interesting thing but however, being a responsible designer, theremust be some way to pickup the strategy in which they carry it out.

That's why we show the "family tree.

Through process like this graphic, we can understand the relationship, the common grounds, and the antinomies.

The Family Tree of the Ideas



In our fallowing process, we'll going to find out our own concern with in our team. I believe you can also find yours by the same approach. It's easy. Find your favorite dream, locate it on the graphic, and look at the proposals linked with it, and see if They are what you want.

[&]quot;We believe everyone has ones favorite dream of water and city,.



Something for FUN

To make citizens close to the water.

Something for how we drink it

To solve the increasing problem of water supply.

Something we MIXED with water

Create more space both for the river and the people.

Something for SAFETY

Secure our supply and traffic system.

What are there about "JUICE"...

Our dreams about water and city Statements



We should produce spaces in which people will have fun with water's participation.



We should keep water with in our city, in our landscape or buildings, not only in the dam of "翡翠"



We share cubage with water, not land



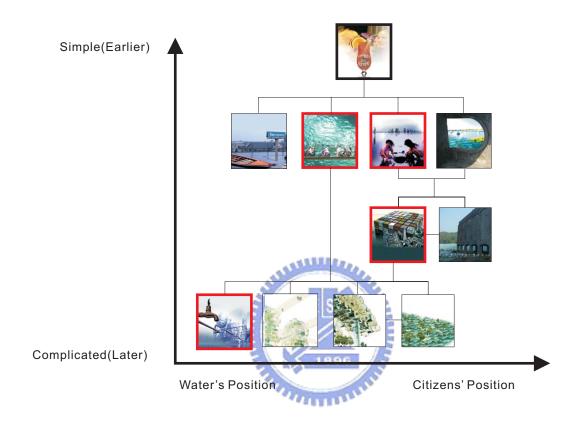


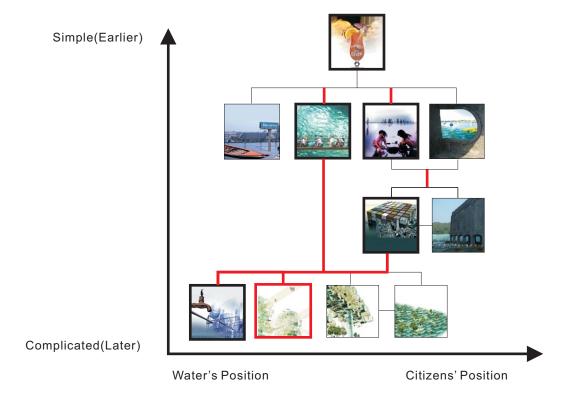


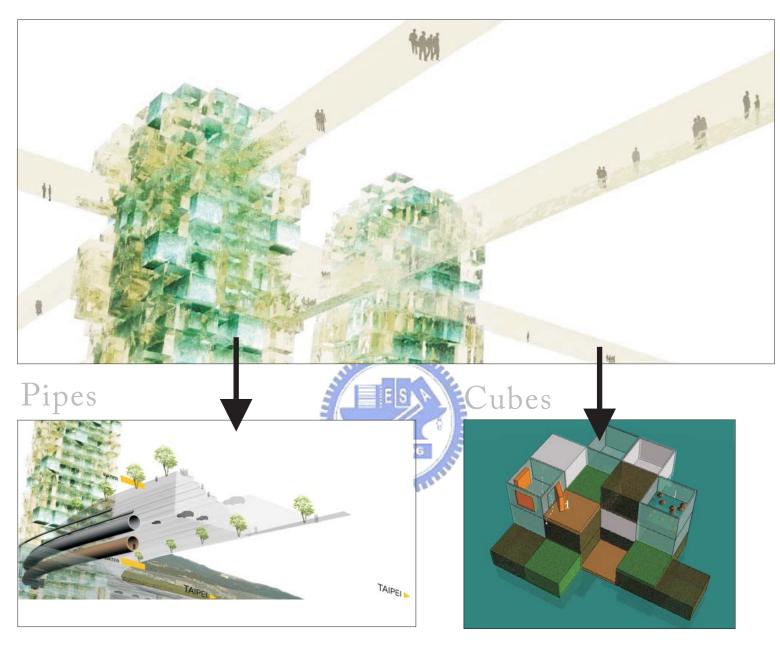


If we can't count on dams, we can secure them in pipes.

The Family Tree of the Ideas

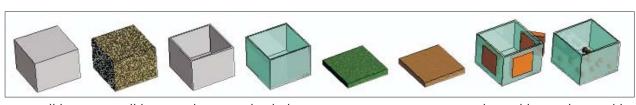






Pipes ensure the safety of supplying and traffic system, protect important buildings and any other things can't be contained in a water-proofed cub but could be damaged by water.

We cut the city into cubes with different characters. Some of them are water-proofed, some are not. Through the cubes city interact with water, create interesting lifestyles and keep water with in the city.



Citizen: Water

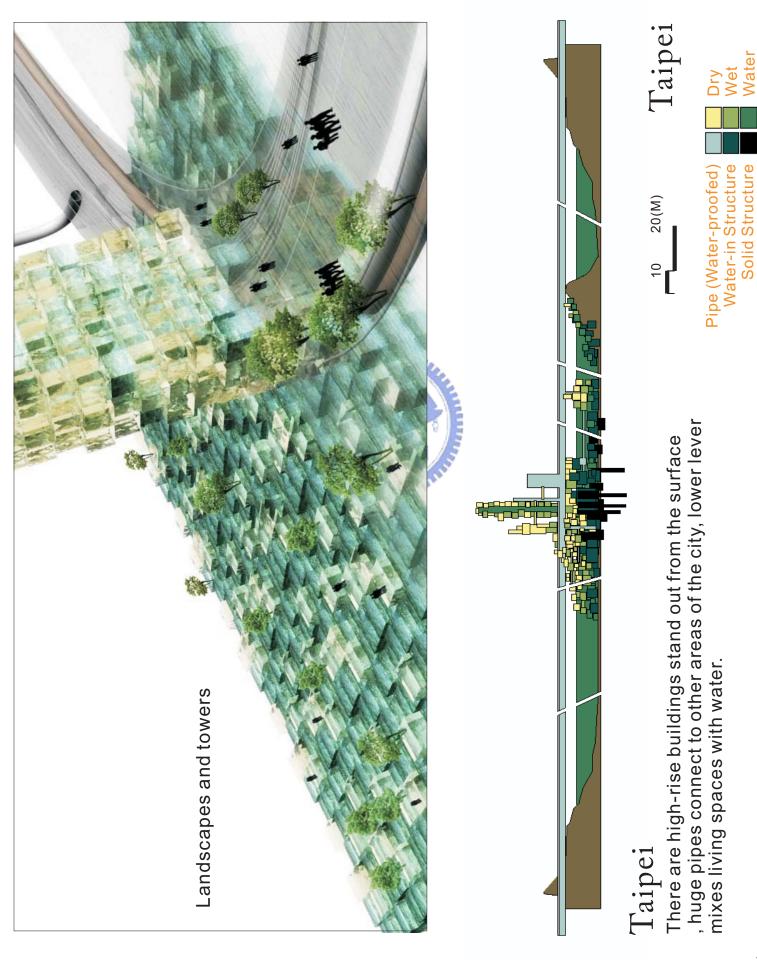
solid solid

solid passage

box wall hyalo-box hyalo-wall

passage

openspace openspace chageable unchangeable boalt unchangeable changeable



Water community of "社子"

Inhabitation, Commercial, Relaxation"

"社子" is where all the water goes before it leave Taipei. In some meanings it could be said as a Center of water in Taipei City.

Nowadays it's just a Traffic Center of Water But in some chance maybe we could let them stay a little bit longer.

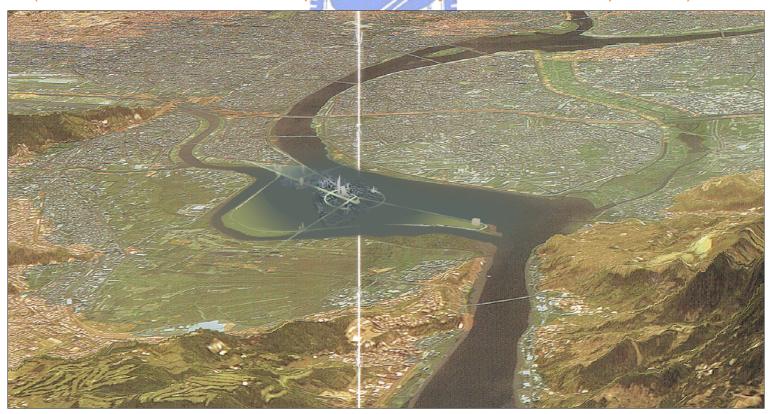
So This is the story: "Water and People lived here, and be happy forever after....."



Facts and Dates we calculated about Water-supply:

The dam of "翡翠" has a capacity of 327,000,000(m³), support 3,280,000(m³) / per day of clean water to Taipei. If our project wants to produce tap water in the same way, we can produce 250,000(m³) / per day

(the number comes from a simple formula only concern about capacities.)



Facts and Dates we calculated about Water-control:

The total area of the rivers in Taipei is about 45,662,600(m²);

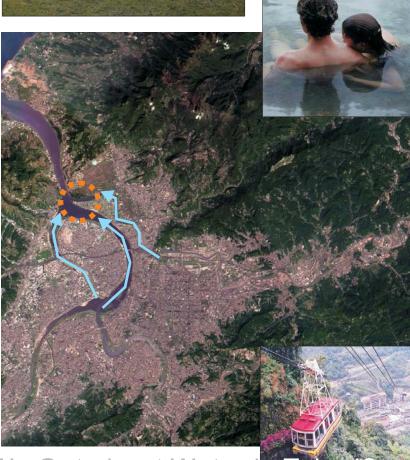
The alarm height of water level is 6.7(m). Total amount of the flood is about $305,939,420(m^3)$. After our project built, it'll going to contain up to $19,804,085(m^3)$ of flood, lower Taipei's water level up to $0.4\sim1(m)$ in the during the flood.















Taipei has it's potential to become a city of water life. But the water experiences Taipei (or north Taiwan) provided are now just snippets, and can't make a life style.

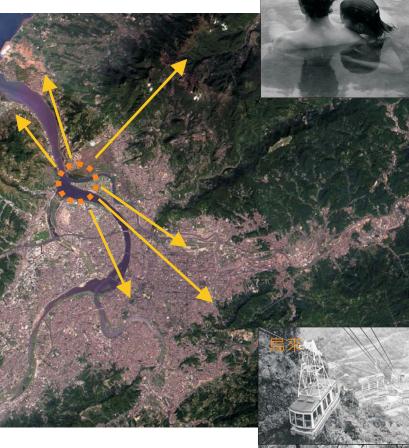












北投



From City to Coast:

The site of "社子" is at an important position to link Taipei and several of the most beautiful areas in north Taiwan.





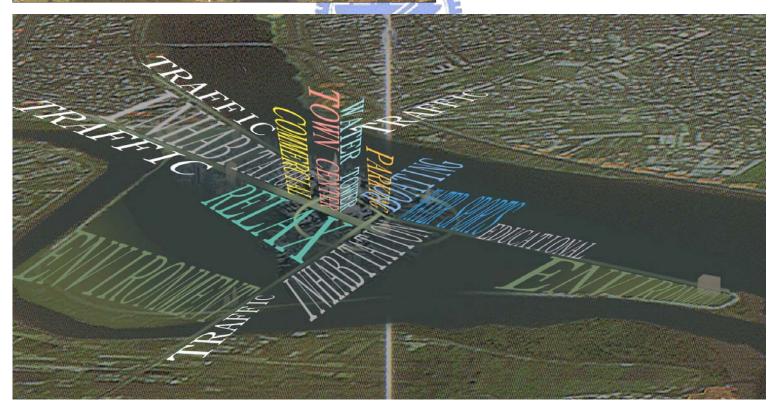
Style/Fashion

Inhabitation Transportation Caring/Education



Create the full circle of Water-Life

The project we're going to do could be a chance, to collect and connect the snippets into a complete experience of water



There're different function programs we put in our site, some of then the be found in old Taipei, Others are not. But most important difference we made is to make people LIVE here besides just Visit here.

The town center will be for both visitors and locals, and outer zone of inhabitation is not just supplying the town center or "viewpoints," it create it's own life style of water it self



Style/Fashion

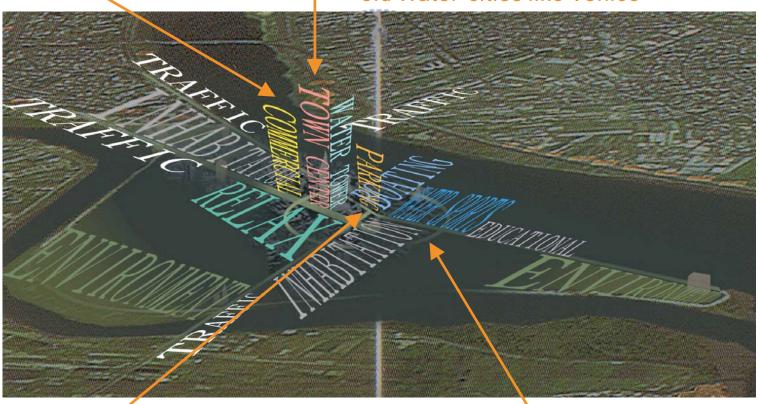
Inhabitation Transportation Caring/Education Relax/Fun

Commercial:

We are doing water as a fashion in the site. It

encourage people consume for the Water-style and support the town financially. Town center:

> To create amazing land marks, new and fresh impression divided from old Water-cities like Venice



Parking:

We recommend you to park here and walk through the town.

The tower will protect your vehicles from flood. Maybe you should try

Water sports:

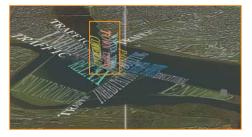
Water sport is something you can hardly found in north Taiwan.



Style/Fashion

Inhabitation Transportation Caring/Education Relax/Fun





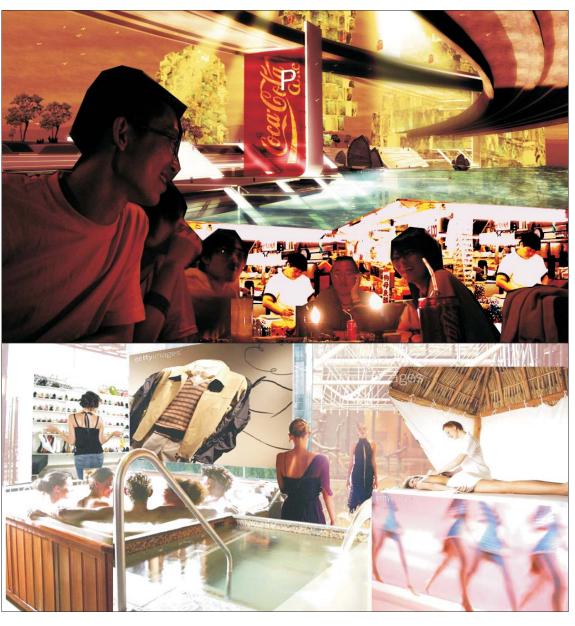
The Pleasure of Eating:

People in Taiwan have their own way of foods and drinks and we're not going to change that.

Accept one thing: "they always eat the best food at the worse place."



to approach that goa I, we need high quality commercial programs in site.





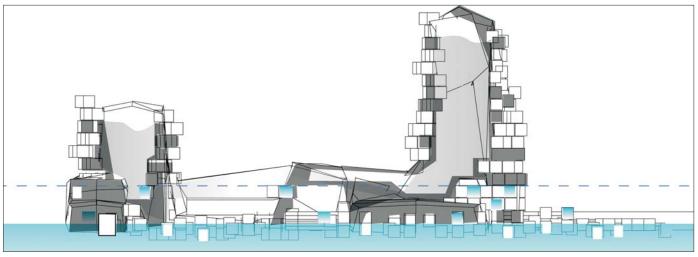
Style/Fashion

Inhabitation Transportation Caring/Education









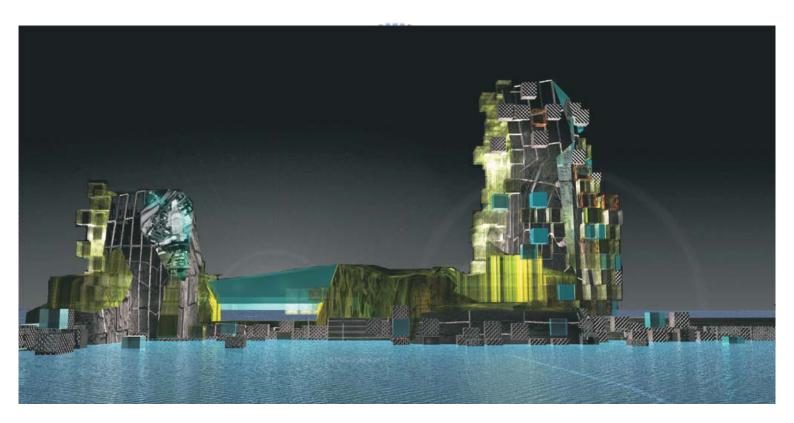


Style/Fashion

Inhabitation Transportation Caring/Education Relax/Fun





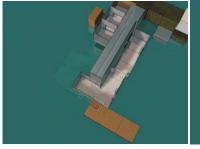


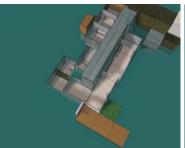
LEVEL01

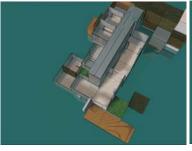
LEVEL02

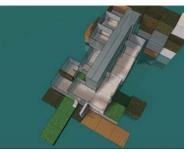
LEVEL03

LEVEL04











Food/Drink

Style/Fashion

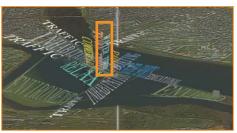
Inhabitation

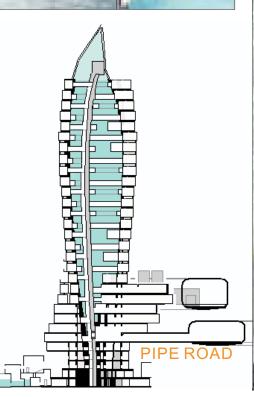
Transportation Caring/Education F

Relax/Fun











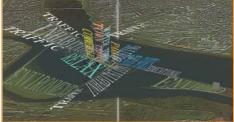
der, of course.



Style/Fashion

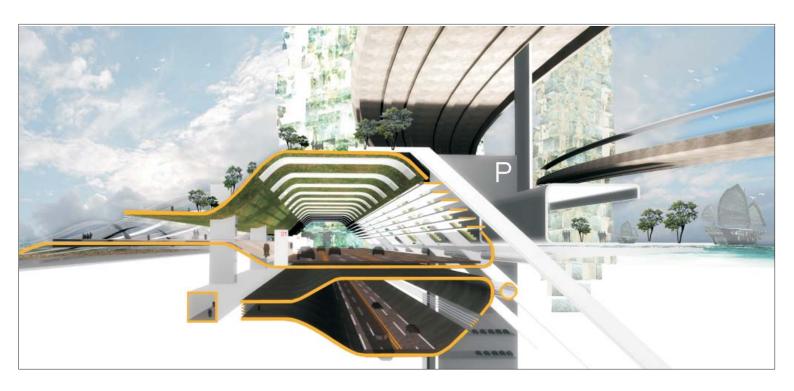
Inhabitation Transportation Caring/Education





The most important system of trafficin site will be the pipes. Pipes are made to protect important systems but However, by the different shapes it can also make the person and interesting spaces.

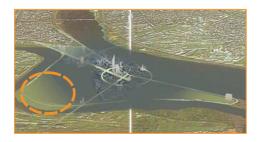
The image below shows how trains or metro, walking, parking and boating can be arounged in the pipe system.

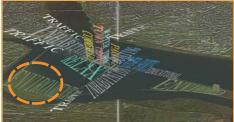




Style/Fashion

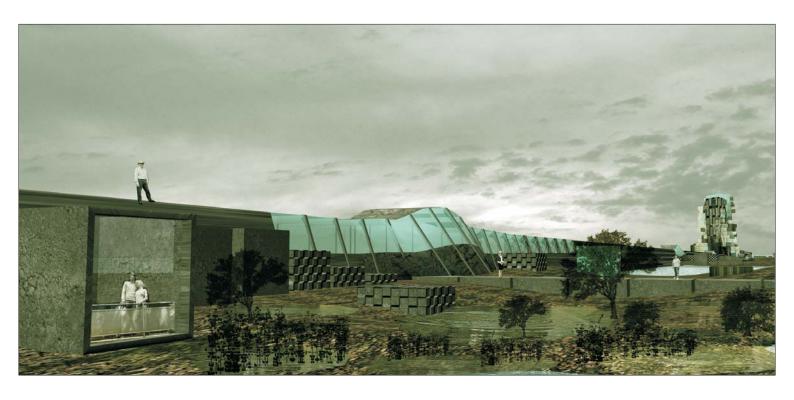
Inhabitation Transportation Caring/Education Relax/Fun





At the outer area of the site, the pipes construct with the base of the old dam become a new kind a large one. In this area, most of the open spaces will be preserved to provide minimum activities

gades, only a few cubes there

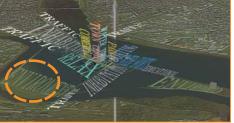




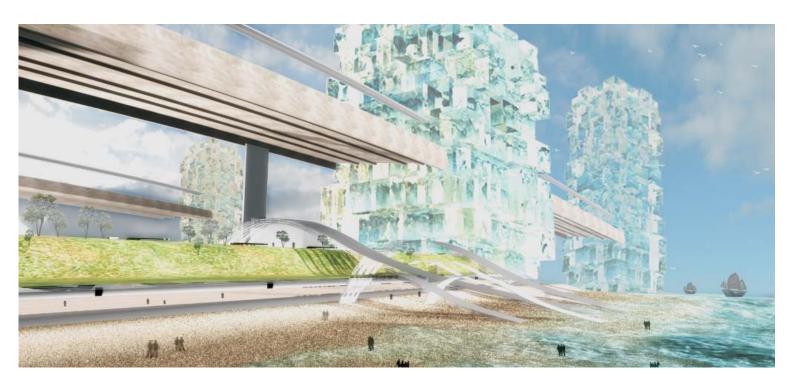
Style/Fashion

Inhabitation Transportation Caring/Education





Water sports: Water sport is you can hardly **n north** Taiwan.



SPRING 2005



2nd International Architecture Biennale Rotterdam



J.M.Lin Architect / The Observer Design Group + Graduate Institute of Architecture, NCTU, Taiwan

2nd International Architecture Biennale Rotterdam

→ ABOUT IABR



Why The Flood?

Because a flood is upon us. Sea level is rising and increased precipitation is expected because of climate changes, causing more (and more serious). floodings. In a country like The Netherlands, a large part of which lies below sea-level, the problem is particularly acute. The Dutch have been coping with . floods as long as anyone can remember. Things might appear stable now, but the Dutch government has calculated that by 2070 it will be impossible to guarantee that large areas of the land will not be . flooded. Many other countries face similar problems.

The 2nd International Architecture Biennale Rotterdam aims to raise (and,if possible,. nd answers to)questions, such as:What kind of solutions can we come up with? How can we respond in time and in a creative way?What will our version of The Ark look like?And above all: how can we welcome this Flood as a chance to reinvent ourselves -and re-design the land we live on? There is another side to the theme as well.Water has a signi . cance for the world economy,of which the IABR has chosen two examples.One is the pull of coastal areas,where more and more people will be travelling to or settling in,creating coastal metropolitan cities.The second is the way container handling in major ports is growing ever more,turning these port cities into .container metropoles ..The Flood is,of course,a reference to the biblical story (and common myth in many cultures)of a great . ood which washes everything and everyone away,making a fresh start from tabula rasa -and serving as a marker that divides old and modern times.The 2 nd IABR wants

荷蘭國際第二屆鹿特丹建築雙年展 - 海洋臺灣

2nd International
Architecture Biennale
Rotterdam

→ ABOUT IABR

The Flood is the title of the 2 nd International Architecture Biennale Rotterdam (IABR).

This international manifesta tion will be curated by Adriaan Geuze, founder and partner of West 8 urban design and land scape architecture, based in Rotterdam,

The Netherlands. The program includes major exhibitions, lectures, con gres ses and debates - and several other events.

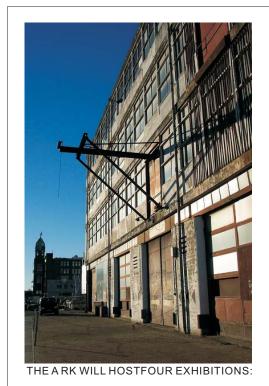


May 26 - June 19,2005 curator: Adriaan Geuze biennale rotterdam.nl

荷蘭國際第二屆鹿特丹建築雙年展 - 海洋臺灣

2nd International Architecture Biennale Rotterdam





The Dutch Water City

An overview of the rich tradition and future of ingenious Dutch civil engineering of building cities along coasts, rivers and canals, which the Dutch have been doing since the early middle ages. A purely functional approach to building has led to town plans both beautiful and durable, that show inventive ways of dealing with water through dams, dikes, moats, ditches and canals. The unique Dutch way is shown with a great number of models of di. erent types of historic water towns, as well as the newer polder cities. These can be compared with water cities in other parts of the world like Venice, Chicago and Tokyo, whose simultaneous but di. erent development is shown in scale models. The exhibition looks at the future as well, with specially made designs by architects and engineers for The New Dutch Water City, applied to twenty di . erent locations in the Netherlands. These designs o . er innovative new approaches to urban planning that go beyond problemsolving, preferring to see the problems facing us as a challenge and an opportunity to re-think the old ways.

Mare Nostrum



A look at the rise of coastal areas as attractive places to settle or visit, for wealthy pensioners and plane hopping young people. Water and a temperate climate are the main attractions in what seems to be developing into a new economy. Coastal areas all over the world are starting to look the same: the same kind of high-rise buildings, the same shops, the same food, the same music. The IABR has invited international guest curators to present their views on European coasts. Also: a look at coastal metropolitan cities in, amongst

others, Brasil, Australia and South Africa, and their future developments.

Container Metropolis

An exhibition about the development of major ports into Container Metropoles. This is witnessed in places like Shanghai and Los Angeles, which develop into a seaside with automated container handling coupled with a landside featuring a large distribution centre

荷蘭國際第二屆鹿特丹建築雙年展 - 海洋臺灣

海洋台灣 From NoWhere to Now Here



研究內容簡介

緣耙

環繞台灣超過<u>1500</u>公里的海岸線上蘊含著豐富的資源以 多元的特質,整體而言,台灣海岸有其不容忽視的獨特性,對於海洋的發展也提供許多機會與條件。但是儘管台灣海岸有其迷人之處,一旦小尺度地逐一觀察沿海空間,很快會發現台灣海岸充斥許多奇異的現象,在水陸交界處展現出各事件詭異 且奇特的共存與平衡,例如:被切割剩餘的自然資源共處與輕率而爲的人爲環境,這可能是缺乏完整 且健全的規劃所帶來的產物....等,這些現象清楚地反映出長久以來台灣人民對於海岸景觀、都市景觀的做法與態度,也正是這些矛盾的景況引發出我們想要對台灣海岸線進行研究的動機。

研究方法

我們從兩個方向破題:一、台灣土地上的人 其性格,文獻研究試圖找尋跟「人」有關的論述,亦即跟「性格」有關的發掘。我們以「媽祖」為切入點,用以尋找知識面上與海洋元素有關的議題,而這些議題代表著這塊土地上的人對於海洋的理解與態度,亦即台灣海洋文化裡的心理層面觀點。「媽祖」在浩瀚無涯的資料庫裡,爲我們扮演著節子的角色並且節出極具代表性的觀點。二、空間的痕跡,經由空間的實地訪查建立一連串跟「地」有關的課題,藉此閱讀隱藏在海岸空間、城市、人爲活動 自然資源等不可見的實質物件之間的關係;同時我們也試圖發掘未來發展的可能介入方式,或者值得進一步控討的空間議題。 值得進一步探討的空間議題。



J.M.Lin Architect / The Observer Design Group + Graduate Institute of Architecture, NCTU, Taiwan



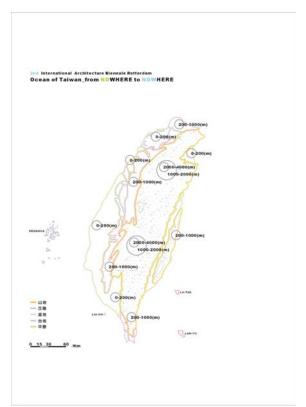
麼事?"這個巨大的問題。 一邊是透過文獻探討來研究台灣人的海洋性格:我們以「媽祖」為切入點,用以尋找知識面上與海洋元素有關的議題, 而這些議題代表著這塊土地上的人對於海洋的理解與態度,亦即台灣海洋文化裡的心理層面觀點。第一步先以"媽祖"與 "海洋"的交集蒐集資料,接著把每份資料重新以心理層面的角度解讀,然後按照解讀的結果提出我們的觀點。 ,我們分別從軟硬體兩路平行進行,最後再透過交叉比對來回答"台灣的海洋究竟發生了什 自然資源 人爲活動 灣海岸空間進行實地的調查,藉此閱讀隱藏在海岸空間、城市、同時我們也試圖發掘未來發展的可能介入方式。 階段性結論 對海洋的原始疏離 阻隔的 政策 大性豬豬 阻隔線上的 多元跨越 大陸型的海洋性格 <u>向近海</u> 糖糕 匯整與分析 √□.. 獻資料研究的同時,也對1 見的實質物件之間的關係 釐清台灣海洋的特質 E 11 (2149 (DY (808) 1188 (D) 000 (000) About IABR 2005 May 26 - June 26,2005 資料搜集 文百 等不

進求臨時性的安定

農業型的 海洋使用

不安於現狀的特質

荷蘭國際第二屆鹿特丹建築雙年展 - 海洋臺灣



台灣島平地與山地分布圖

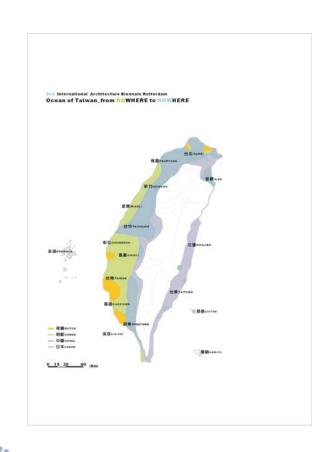
Ocean of Taiwan_from NOWHERE to NOWHERE

台灣島面積僅約36,000平方公里,其中 三分之二以上是高山,垂直高差將近4,000公 尺。平坦可居之處全數環繞在台灣海岸線周 圍,島上絕大多數居民都居住在沿海總長約 1600公里的帶狀土地上,從人口數與可居土 地面積的比例上來看,可謂極為稠密的國 家。

EIS

The same

由於地理上的先天條件,總數超過2.3億的台灣人口大部分都居住在沿海1600公里的帶狀土地上,幾個重要的都會區,如台北、台中、高雄,都位在腹地較爲寬廣的平原或台地上,從人口數 可居土地面積比來看,人口密度過高並導致土地使用問題是台灣難以逃離的宿



台灣島曾多次易主,先後有荷蘭人、明鄭、 清廷、日本政府與現在的國民政府等政治勢力, 這些政權在經營台灣的態度上各自有其主張。但 有意思的現象是:每個「新」政府都大致繼承上 個政權的建設,因此儘管各有立場、目標互異, 但在政權遷移的紋理上,仍可看見由西南海岸開 始,接力往北逐漸開發台灣的情況。



媽祖信仰是台灣境內最重要的信仰之一, 其由「出海神」至「過海神」再升格爲「主神」的特性尤爲本研究所重視。台灣西海岸的 媽祖廟分布幾乎與早期漢人移民的聚落完全重 疊,而媽祖的分靈、分香、巡境等活動也隱約 暗示了某種移民勢力的變遷。

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掃瞄台灣 Scanning Taiwan



規律下的成果就是我們要找的對象。

對應以一種「低敏銳度的客觀」之態 度找尋到「媽祖」做爲文獻研究的切 入點,在搜尋海岸空間現象上,我們

海洋台灣,64種跨越,1134公里

環島攝影的影像經過建檔與分類之後,透過空間元素、活動行為的指認,我們找到三種海域與陸域的關係:

Rotterdam

1.海陸的串接

海域與陸域空間原本處於分離或隔斷的狀態,透過線性物件的出現而將兩者的關係串連起來,例如道路、階梯、橋樑等,把原本空間性不連續的海域與陸域連結起來,使人的活動與行爲因此跨越在兩個區域之間。

2. 海陸的連結

相鄰的海域與陸域空間因爲新物件的介入而在某個時間點發生緊密的交流,這個物件通常是點狀的、具有功能的,例如吊具的升降或是輸油設備的運作等,在片段時間裡將兩個原本疏離的空間連結成一體。

3. 海陸的交疊

海域與陸域空間處在一種重疊的狀態,在交集的範圍產生新的空間使用,這種使用模式以一種長期而固定的方式存在海陸的交疊面上,例如漁塭、鹽田、卸貨空間等。

透過這三個海與陸的關係,我們看到一個很重要的特性:台灣的陸與海、生活與海洋是相當程度被阻隔的,因為政治、國防、水利、護岸等理由,造成人們生活上對海洋的疏離,因此我們會在海邊看見大量的堤防、海巡哨所、禁止跨越的告示牌甚至防風林、鐵絲網,這些都是刻意阻隔海與陸的交流的元素。其他如濱海道路、大面積不易通過的鹽田漁塭、因為內陸土地不易取得而設置在堤防外的垃圾掩埋場、大型工業區等等,都是因其他目的而「無意地」造成阻隔。

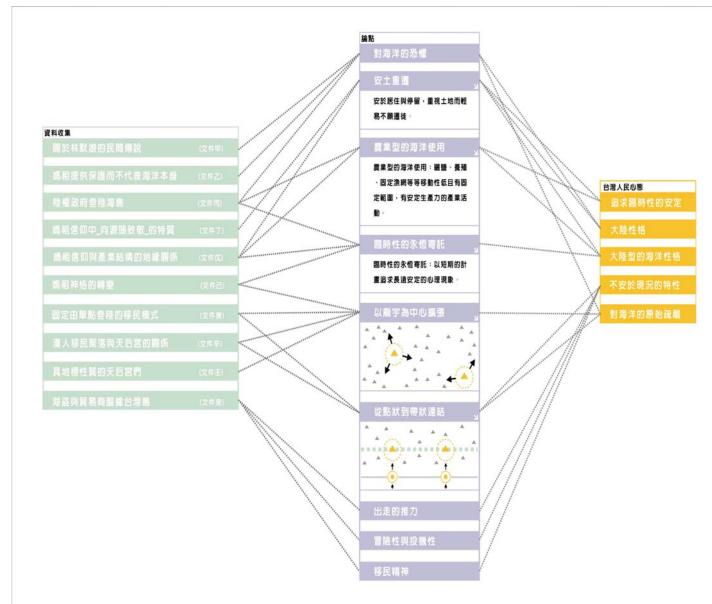
東、西岸的差異

西海岸的產業呈現過飽和狀態,且大部分產業都具有相當的「農業性格」,相較於西岸的高密度使用,東海岸由於受到地形侷限的關係,沿岸腹地的使用因此得以與溪海岸區別開來,以提供海岸觀光爲主要活動。東、西海岸的差異除了地形造就不同產業型態之外,還存在著不同因素影響之後所形成的不同型態的「組隔線」,東海岸的阻隔線則大多因爲地理因素所形成的與海的阻隔;而西海岸由於是平軟沙岸,對於海洋本來應該具有相當程度的可 性,但由於海防、人工堤防、南北向快速道路等物件造成阻隔,加上農業型的產業使用佔據大部分的海岸空間,因此在海與陸之間出現明顯的人爲隔斷。

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海洋台灣 From NoWhere to Now Here





做過相關資料的蒐集與整理之後,所得到的看法。

文獻資料被分爲十個討論群,十個討論群交叉得到我們的論點,最後提出五個試圖回答"台灣人對海洋的心態到底是什麼"的看法:「"大陸性格","對海洋的原始疏離","追求臨時性的安定","不安於現況的特質"和"大陸行的海洋性格"」

這五個看法彼此之間看起來是有某些矛盾的;但是其中似乎隱含了某種隨著時間與外在因素改變而轉換的關係性。

我們認爲這五個現象單獨都不能解釋台灣自古與海洋之間的複雜心結,而且正是這種 並存的矛盾心態,才造成台灣如此多樣的文化現象。

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海洋台灣 From NoWhere to Now Here

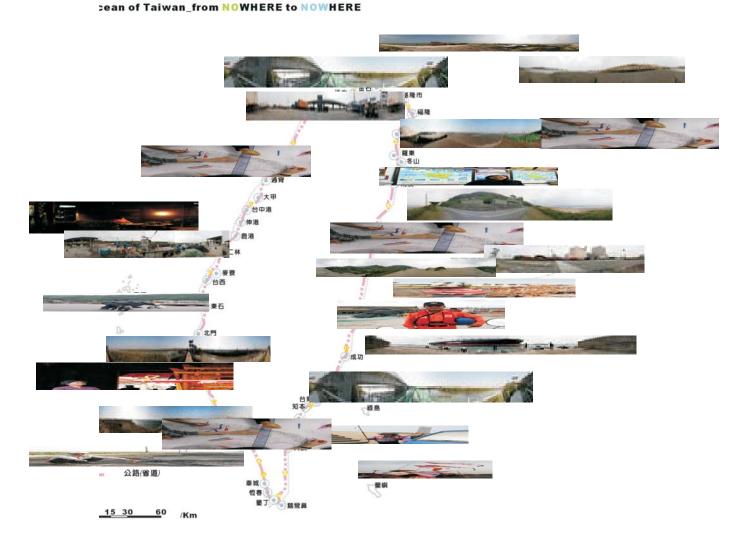


A Field Reserch on the Coast Line of Taiwan

在探討過與媽祖信仰有關的文獻之後,爲深入瞭解台灣海岸線的狀態,我們進行了實際的田野調 香等等工作。

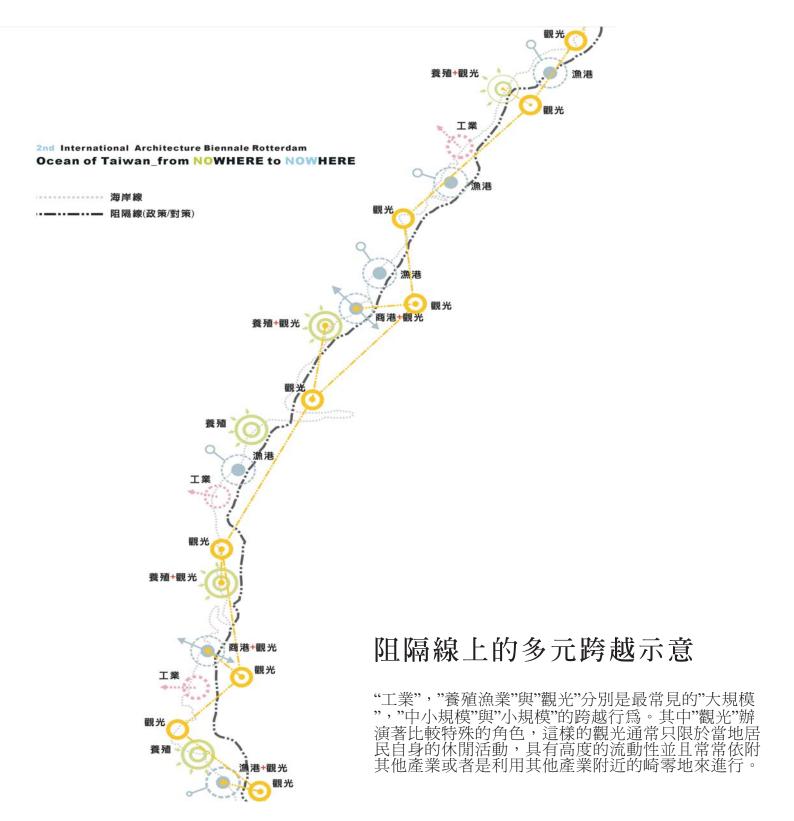
食等等工作。 我們對台灣海岸線的調查 本上,是儘可能以隨機取樣的方式選擇地點,進行以環場照片爲主,單張攝影,動態影片與聲音還有簡單的訪談爲輔的海岸線空間調查。 除了控制單位長度海岸線上取樣的密度之外,我們調查的地點以其「深入內陸」的程度可以分爲 三種:「徒步可 靠近海岸的地點」、「開車可 靠近海岸的地點」與「靠海的城鎮」等等,共 約480張環場影像。

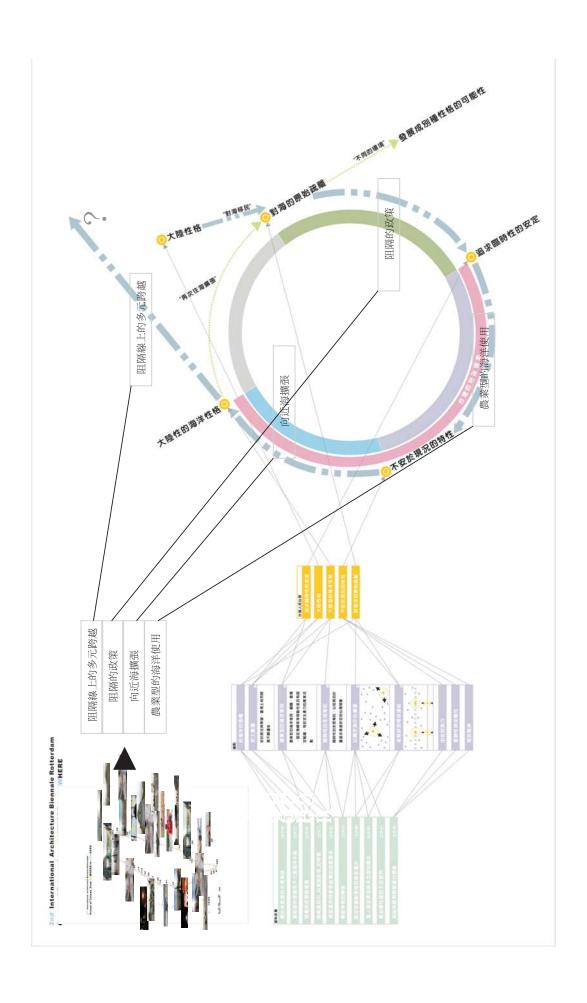




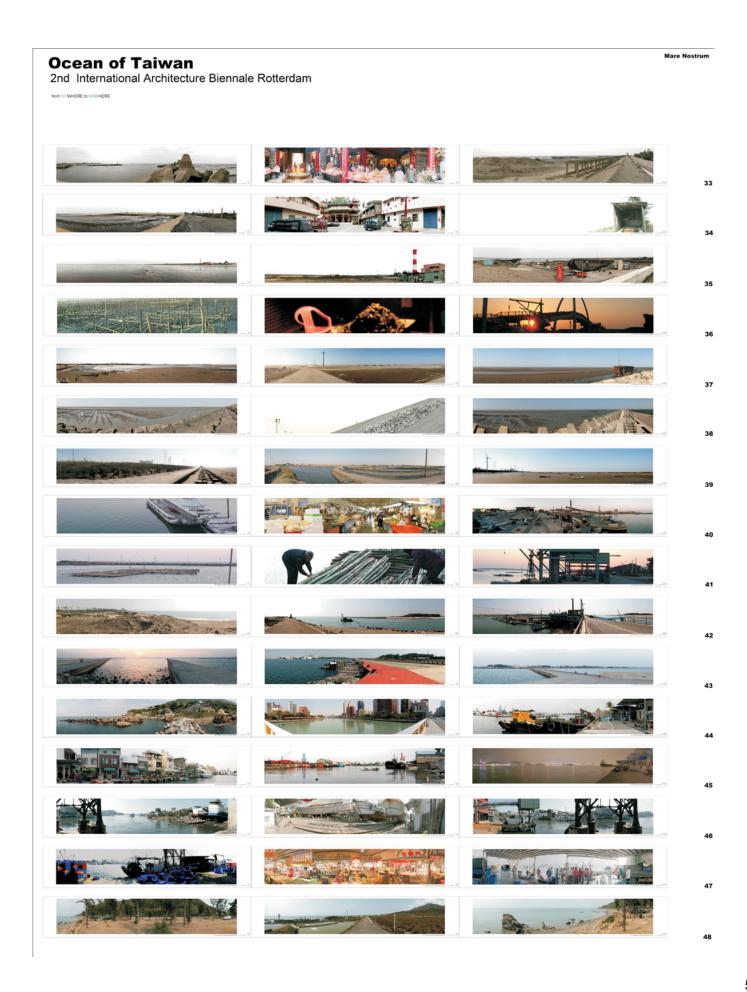
海洋台灣 From NoWhere to Now Here



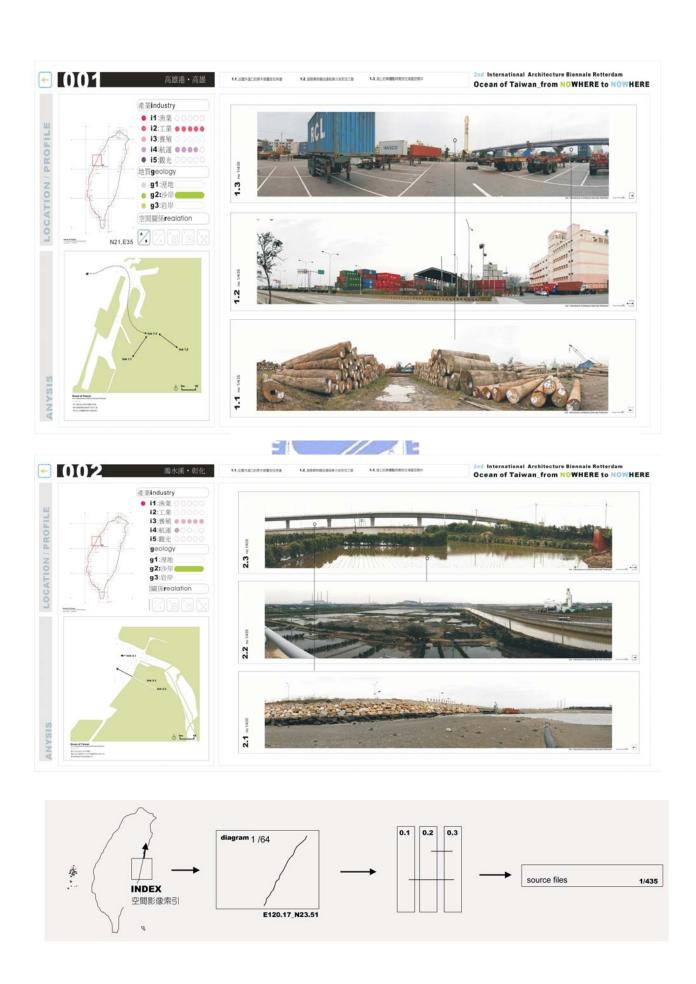


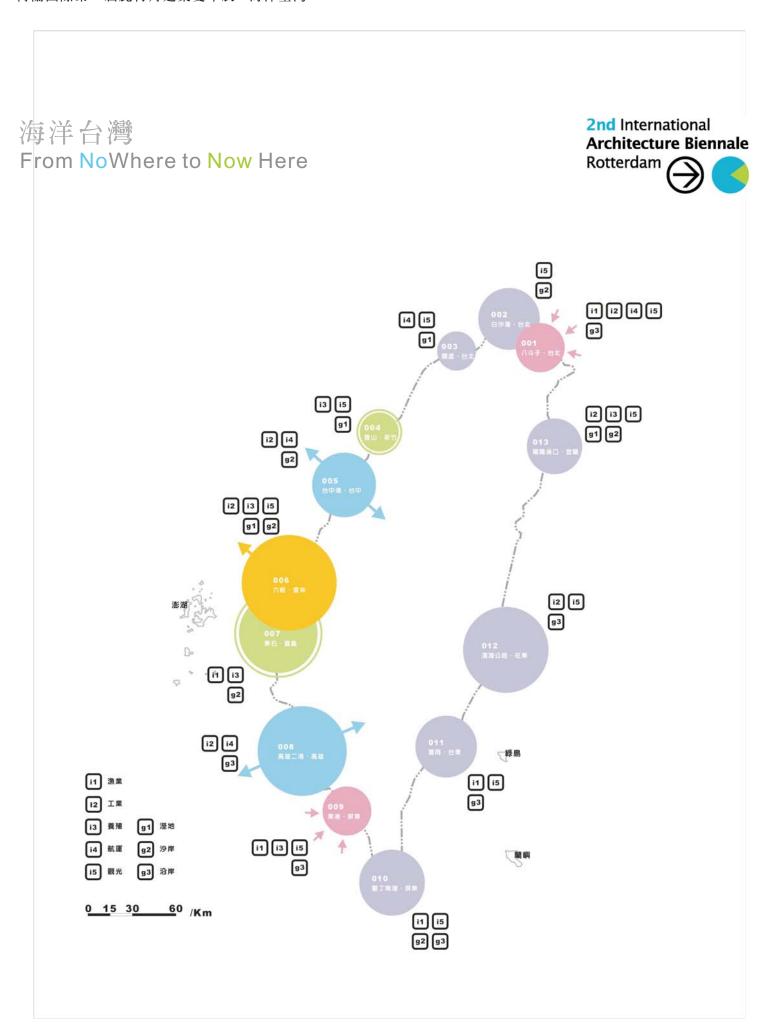






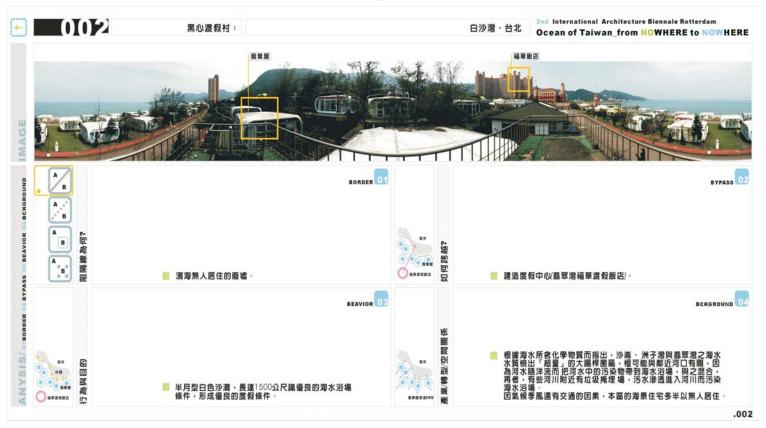
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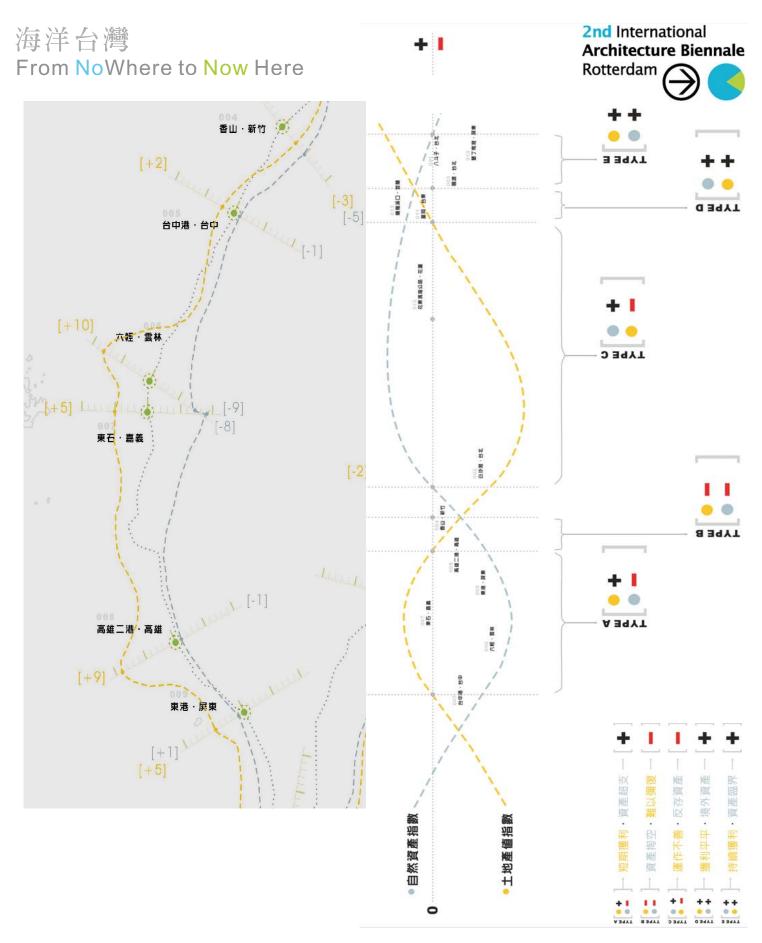


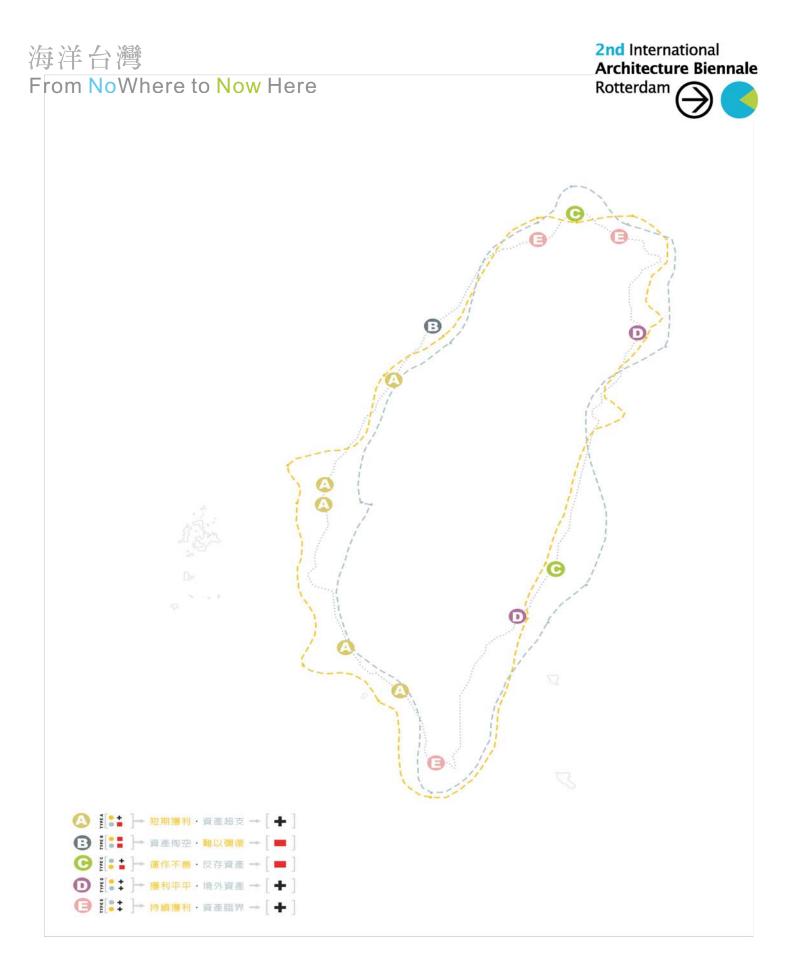
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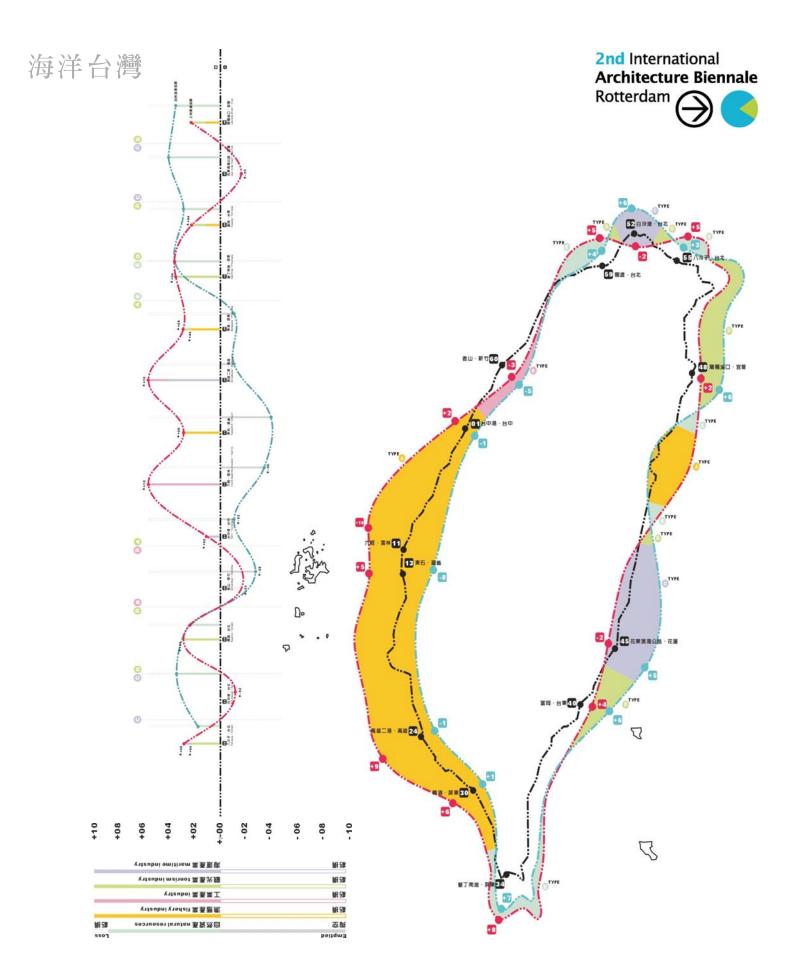


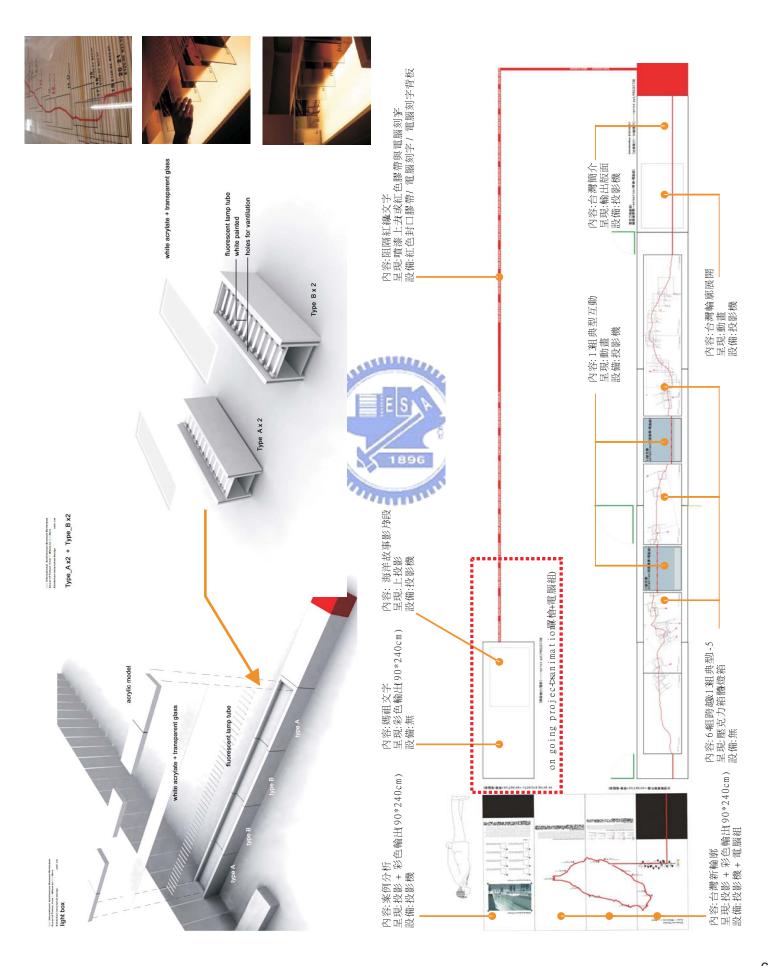


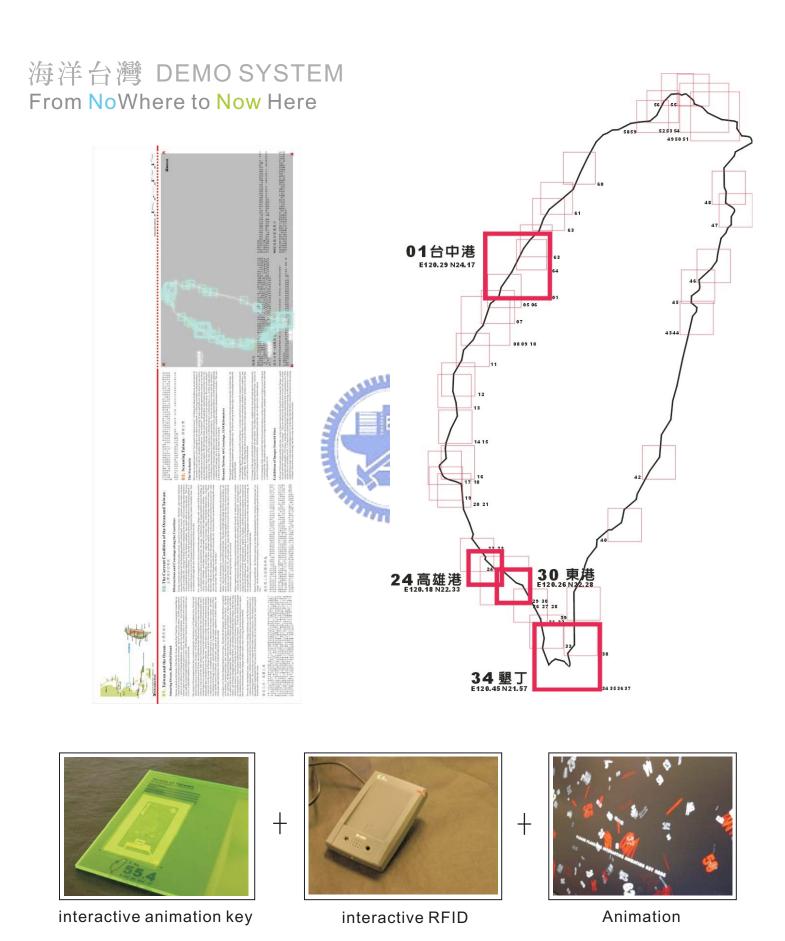




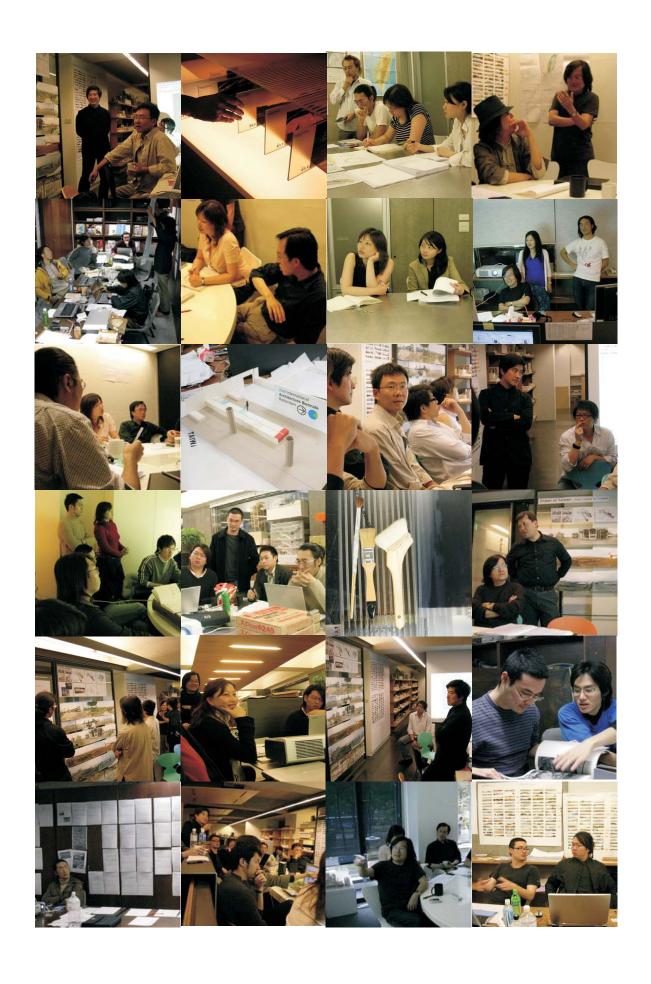










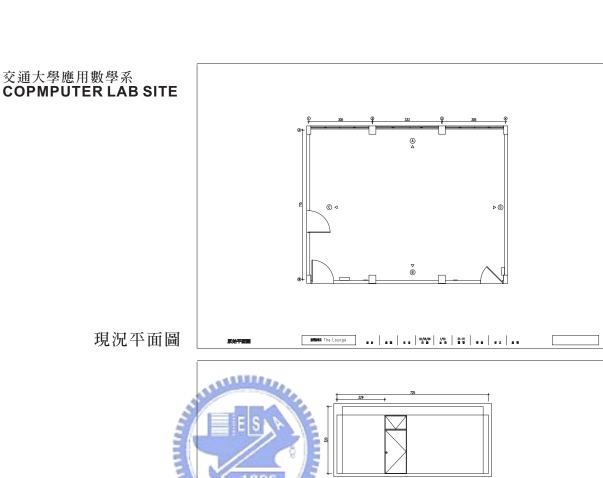


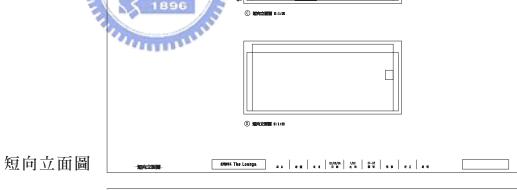


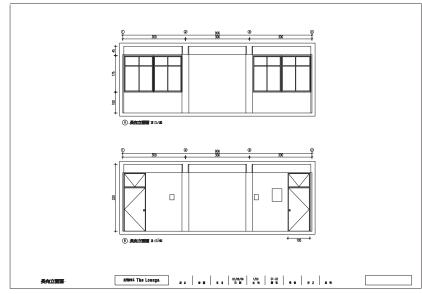
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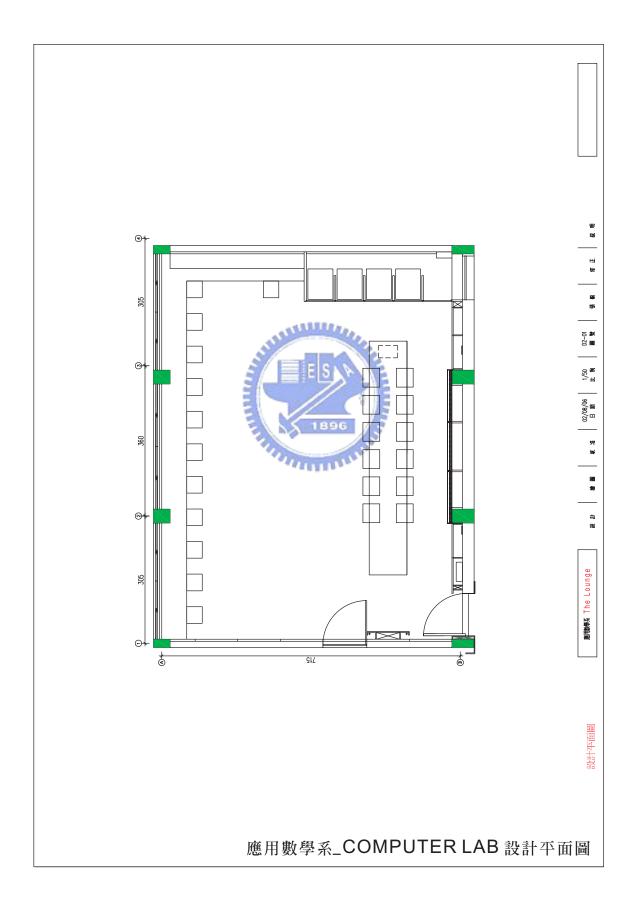


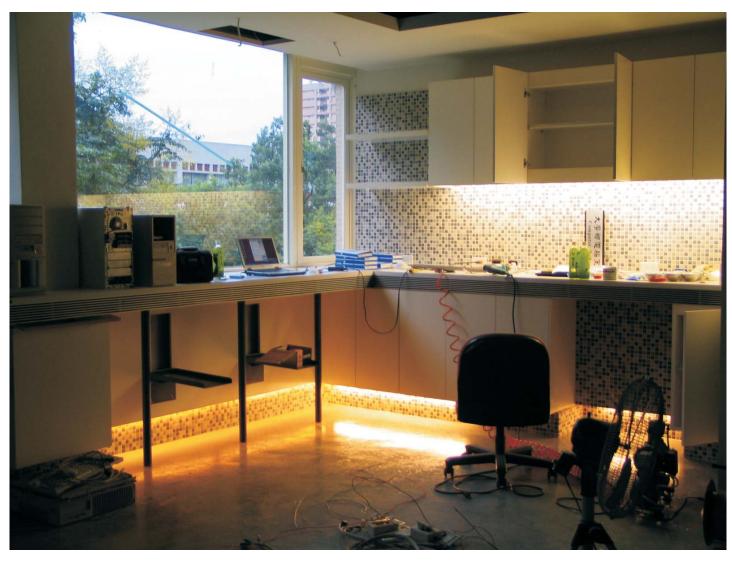






長向立面圖





最習以爲常的空間,往往是最令人忽略...藉由實 際案例的操作,實踐人與空間中互動的關係...。

在設計概念發想過程中,透過分析、觀察人(使 用者)的習性,並利用互動的概念重新定義人在空 間只能被動地接受資訊,並進一步地創造資訊而與空間產生互動。



