ASIAN CITY CORRIDOR
Singapore Hybrid Fragmental Zone

亞洲走廊 新加坡 碎化混合區域
ASIAN CITY CORRIDOR

We propose a design theme centered around five cities to explore the commonality and diversity of Asian cities. Through research and analysis, we propose possible urban designs for each city. The city analyzed in this study is Singapore.

**HONGKONG**
New ground

**SINGAPORE**
Hybrid fragmented zone

**KYOTO**
The inner streets

**SHANGHAI**
2 oppositions of Shanghai

**BEIJING**
The transformation of hongtous

- Architecture=infrastructure
  - 3-dimension zoning
    - Flow
    - Vertical
    - Density
  - Distinctive city
    - Fragment
    - Reconstitute
    - Patch

- Historical of new/old
  - Open space/buildings
  - Connection of infrastructural
  - Separate of new/old
    - Public/private
    - Density low rise
    - High density

- Connection
  - The fault of city developing
  - New & old
  - The politics changing

- Line
  - Pattern
  - DNA elements
  - Typologies (2D/3D Vertical)

- Mixed Use
  - Density
  - Infrastructure
  - Geography
  - Globalization
  - Anticipation
  - Political
  - Regulation

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  - 3-dimension zoning
  - Flow
  - Vertical
  - Stack

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1 Redefine
Current/Now
Generic city/Distinctive city
Green/graded & recreation
Concentrate/disperse
Zoning/Mixed used

2 Typologies
Mixed different types
Fragment and Reconstitute Typologies

3 Density
Reconstitute zoning
Two type
Recombination
Mixed process
Layer Function

4 Organization
Spatial and formal model
Urban patch
Recombination
Deck + interlaced
Transportation layer

5 Structure
Catalog of module variations
Infrastructural banding deck
Ramp/space
Technique

6 Components
Division and allocation of collision
Fertile active
2 floor
Unit
Constellation

7 Anticipation
Changing life of the site in time
Event banding
Interchange activities
vibrant city
1 Redefine
Current/New

Green/graden& recreation

Generic city/Distinctive city

Singapore is a long 43km and wide 27km island. Under the long-term planning of the authorities, many laws and urban plans began to be implemented strictly. The old buildings on the island were mainly torn down, and the construction of the city was completed. Over the past few decades, modernism has been completely implemented, and it also makes Singapore's urban area different from the other Asian cities, showing an Asian modernization style.
1 Redefine

Concentrate/disperse

Zoning/Mixed used

In the cities, buildings are divided into two types. One type is high-rise buildings, and the other is low-rise buildings. High-rise buildings are mostly found in commercial areas, while low-rise buildings are spread throughout the city. Buildings due to zoning relationships, high-rise buildings are mostly located in commercial areas.

In Singapore, zoning is very clear. Each zoning ratio is close to 20%, and the zoning ratio of each block is large. Since the zoning ratio is large, and the zoning ratio of the overall area is large, we will consider large-scale zoning in the future. The combination of zoning and mixed-use can effectively reduce the generation of development, and the mixed-use is an efficient way of planning. The use of various zoning opportunities can exceed the large-scale zoning planning method.
2 Typologies
Mixed different type

Two type

Independence

Continuity

Mixed

混搭

Current system

Vertical mix

Horizontal

這兩種類型在新加坡早已被組合過，低層維持街道連續性，作為商業行為使用，高層向上延伸爭取較大容積，作為住宅使用，但是採光性與通風性不足，新加坡又屬於炎熱潮濕的氣候，造成必需倚賴大量空調來維持室內空間的舒適性。

我們企圖尋找一種新的混合方式，街屋、大樓與綠地，於是我們想到了將高層建築物推倒，將不同分區納入其中，在內部的動線系統有層次的的分開，讓建築體水平狀的延伸，光線與通風將藉由綠地所產生的孔隙進入。
2 Typologies
Mixed different type

Mixed process

Layer Function

利用垂直向來作區分區，地下層為停車、地面層為花園、第二層為商業、第三層為住宅使用，利用不同形狀的剖面來產生空隙，這些空隙將成為一個個小小的庭院，解決通風採光的問題，中間形成一個小的人行街道，不同交通系統將被垂直的區分開來。這將成為一種新的屬於新加坡的新建築類型。
2 Typologies
Mixed different type

Recombination

這個新的建築單元是利用不同形狀的剖面所疊加起來，形成一個有孔隙的建築，這樣的換氣與採光效果將有助於節少空調的負擔，同時增加室內的關係。
4 Organization
Spatial and formal model

Recombination

Urban patch
3 Density
Reconstitute zoning

Fragment and Reconstitute

如何組構這新的建築類型，需要的是全新的都市計畫，我將原有的分區方式打散，將不同的分區密度調整至更細的狀態，以利於混合使用的發生，將四種分區：休閒區、綠地、住宅區、工作區四種分區結合起來，彼此原本的公共空間將有機會被整合在一起，這四中分區整合的大小約是兩棟新加坡基本住宅單位所劃分出的區域大小，利用各種不同的組合類型來尋找關於混合分區的可能的方式，最後以魔術方塊的排列方式較能夠住級分區的連續性及多元性。
4 Organization
Spatial and formal model

Deck + interlaced

Transportation layer

這些分區單位是一座座大型的人工地盤，利用斜坡來連接不同高程，使人工地盤形呈了一個交織的狀態，由於交織的孔隙關係，可引入適當的通風與採光。

在這些交織的人工地盤中央有捷運運輸系統穿過並連結，底部廣場部分作為停車場使用；人工地盤的交通方式則是步行與騎腳踏車。
5 Structure
Catalog of module variations

Infrastructural banding deck

This structural method is based on a grid-like arrangement, with intermediate supports. This area is divided into six sections, which are connected in a continuous manner, forming a complete band-shaped space, serving as a shared public area. The structural components feature public escalators to the lower levels.

Ramp/space

The overlapping ramp forms the lower floor's shelter, creating a semi-public space. This semi-public space, with natural light and ventilation, is suitable for a strong sunlit environment. The overlap of the ramp and floor space allows for the provision of an appropriate natural light and ventilation, allowing for large-scale activities without environmental impact.
6 Components
Division and allocation of collision

人工地盤將創造出垂直化的城市，每一層將享有一樣的綠地，且土地上的消耗卻是不變的，剩下需要解決的只是通風與採光的問題。

Unit

每個人工地盤上將會配置新的孔隙式建築單元，每層人工地盤都是混合分區，越上層工作區的部分越少。
6 Components
Division and allocation of collision

Constellation

這個垂直的聚落，將土地垂直化，綠地透
過斜坡與每個空中的聚落連結，提供一種
原本新加坡沒有的空間使用方式，結合了
高層建築的經濟性與底樓街屋的連續性，
同時創造了一個共有的帶狀開放空間。
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7 Anticipation
Changing life of the site in time

Event banding
底下形成的公共開闊空間是帶狀的，由許多不同大小的空間組成，用以容納不同的大型活動，斜坡將有效的將人們從地面層引入，公共空間將搭配商業活動使用，形成這個社區的新廣場，同時藉由捷運線成為全新加坡的半室內廣場。

vibrant city
最後希望這個大型的新都市計劃能夠改變原本單調的新加坡，提供城市的多樣性，讓新加坡走出自己的城市風格，不再是西方現代主義的實驗場所。

Interchange activities
透過從地面延伸的人工地盤，人們的活動將有辦法在不同高層交織起來，不同於現代主義恢復之後造成活動的不連續，活動將被引導至不同的高層。