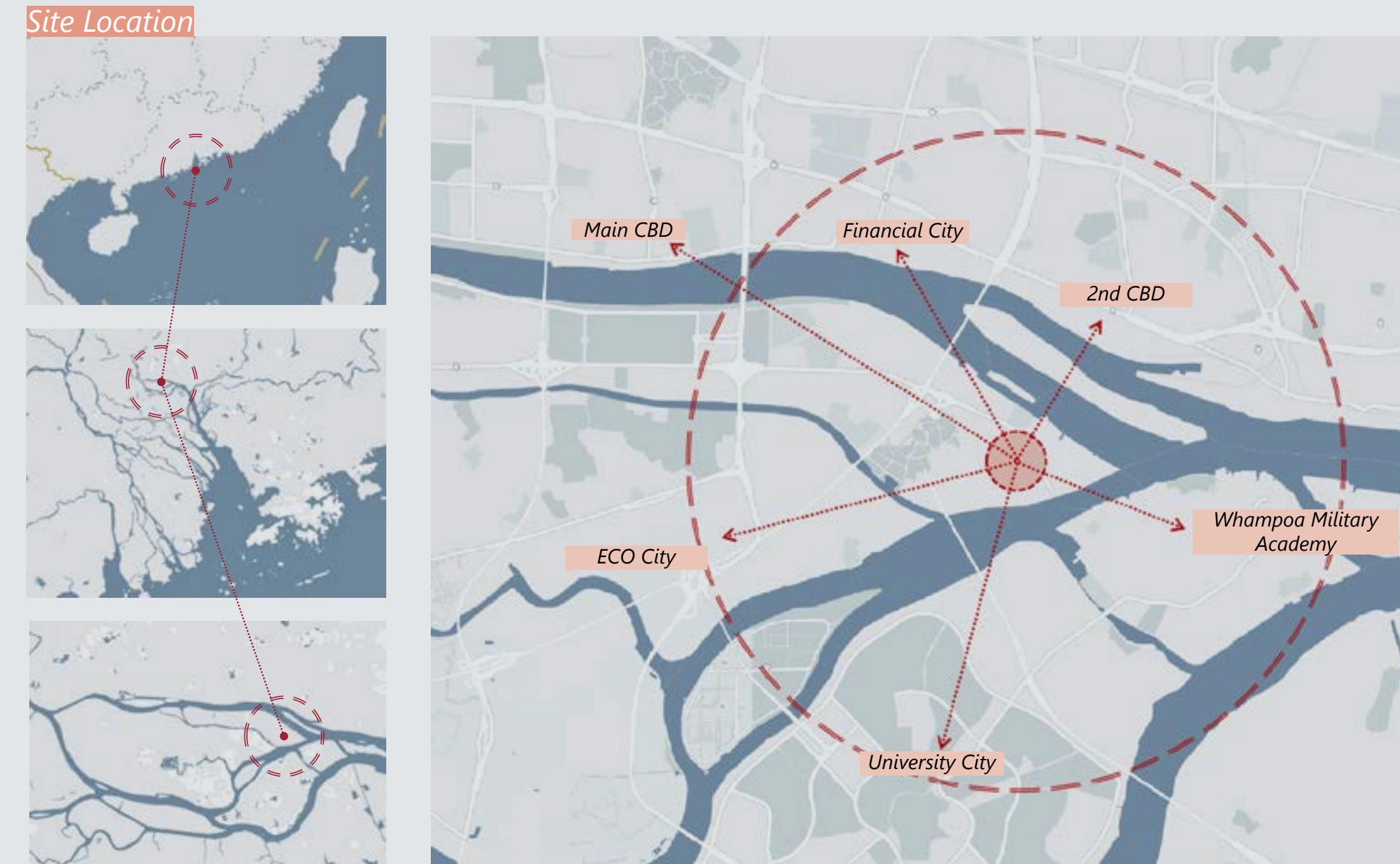
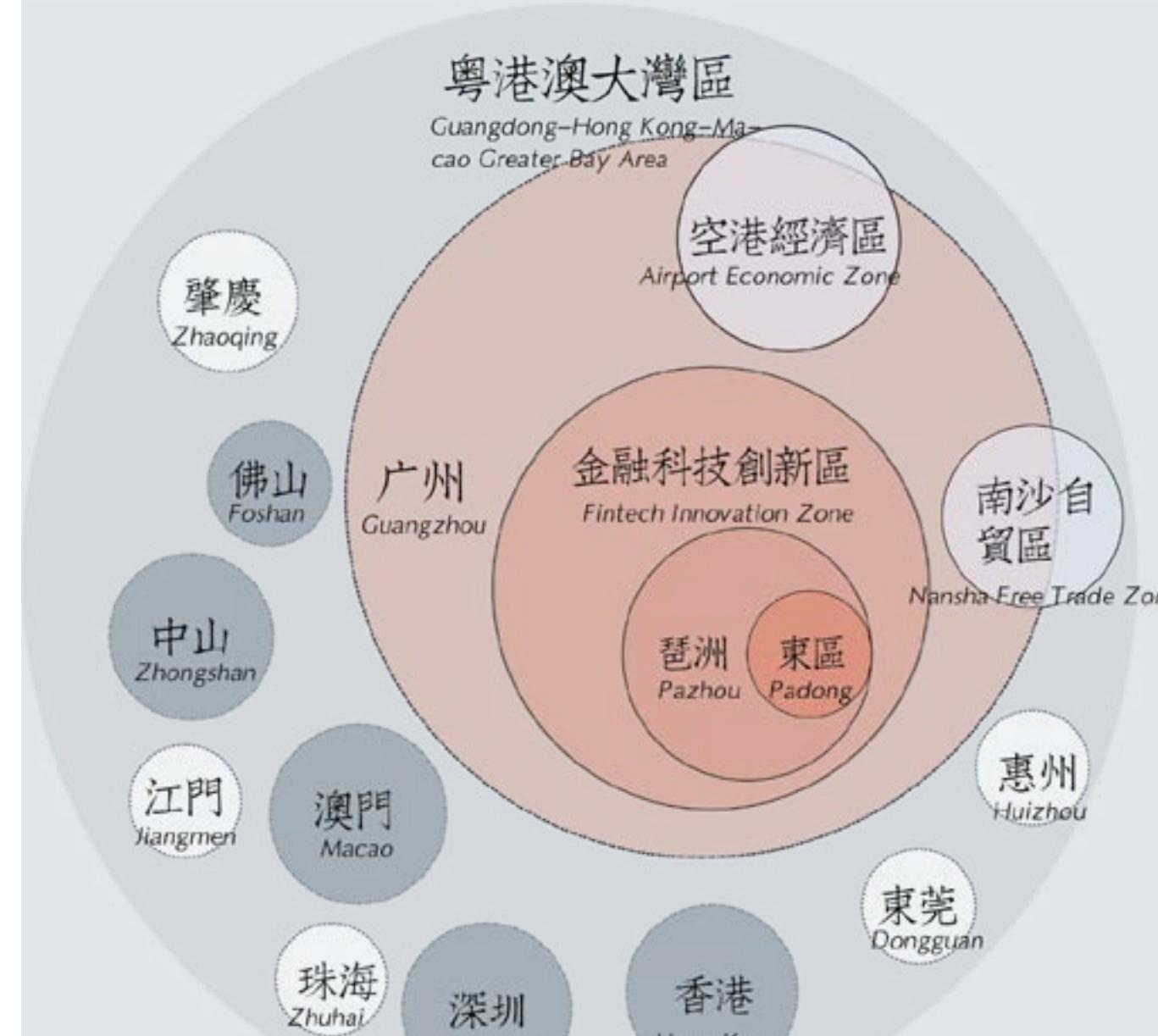


Research Background

Regional Advantage



Comprehensive Analysis SWOT

S

Strengths

- Pazhou is close to the two large high-end CBD of Zhujiang New City and Guangzhou Financial City, and plays an important role in the planning of the Three Rivers in Guangzhou.
- There are historical relics such as Huangpu Ancient Village and Huangpu Ancient Port on Pazhou Island, with profound cultural deposits.
- Pazhou is surrounded by water, densely covered with inland rivers, widely distributed greenery, and superior landscape resources.
- Pazhou will form a "three horizontal and eight vertical" skeleton pattern, with subway, bus, tram and other public transportation modes, transportation is convenient.

W

Weaknesses

- The urban style is chaotic, and the old and new urban style is collaged seriously. The historical relics are under the strong impact of urbanization, and the scope and culture are facing crisis.
- The water system in Pazhou Island is seriously polluted and the quality of green space is poor.
- The transport system in the Central Eastern District is not yet perfect, and the lack of slow transport system makes it unsuitable for public walking.

O

Opportunities

- Located in the vicinity of Zhujiang New City and Guangzhou City, Pazhou's development is driven by the planning of the Golden Triangle Area.
- The development of exhibition format has brought international opportunities for Pazhou.
- The preservation of historical context has brought certain tourist attraction to Pazhou.

T

Threats

- Pazhou is facing the problem of insufficient public supporting facilities brought about by the rapid increase of living, employment and exhibition population.
- Rapid urbanization has brought great impact on Pazhou Island's history, culture, natural environment and living environment.
- Pazhou Island is under severe threat of rain and flood damage.

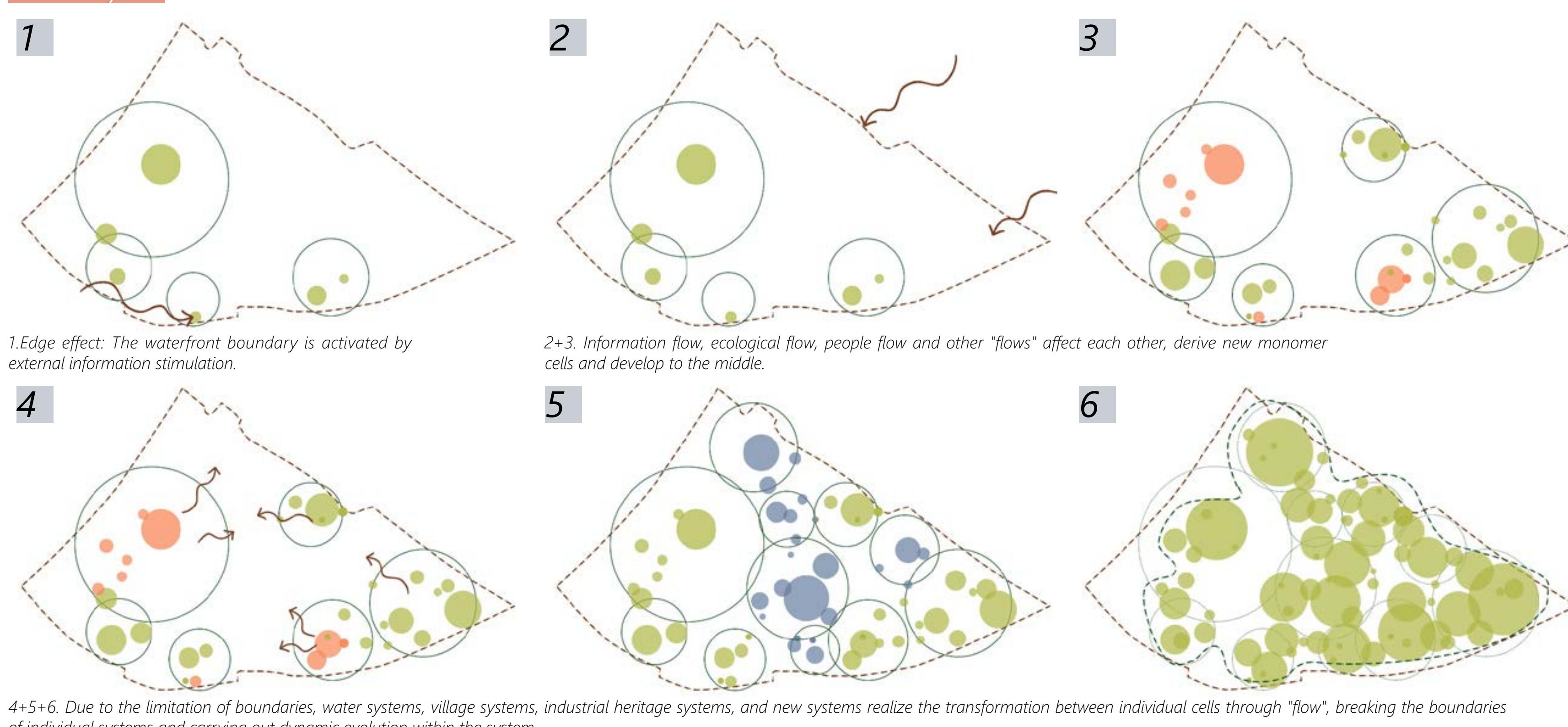
Wake up the city

1

—Ecological smart city design under the theory of organic growth

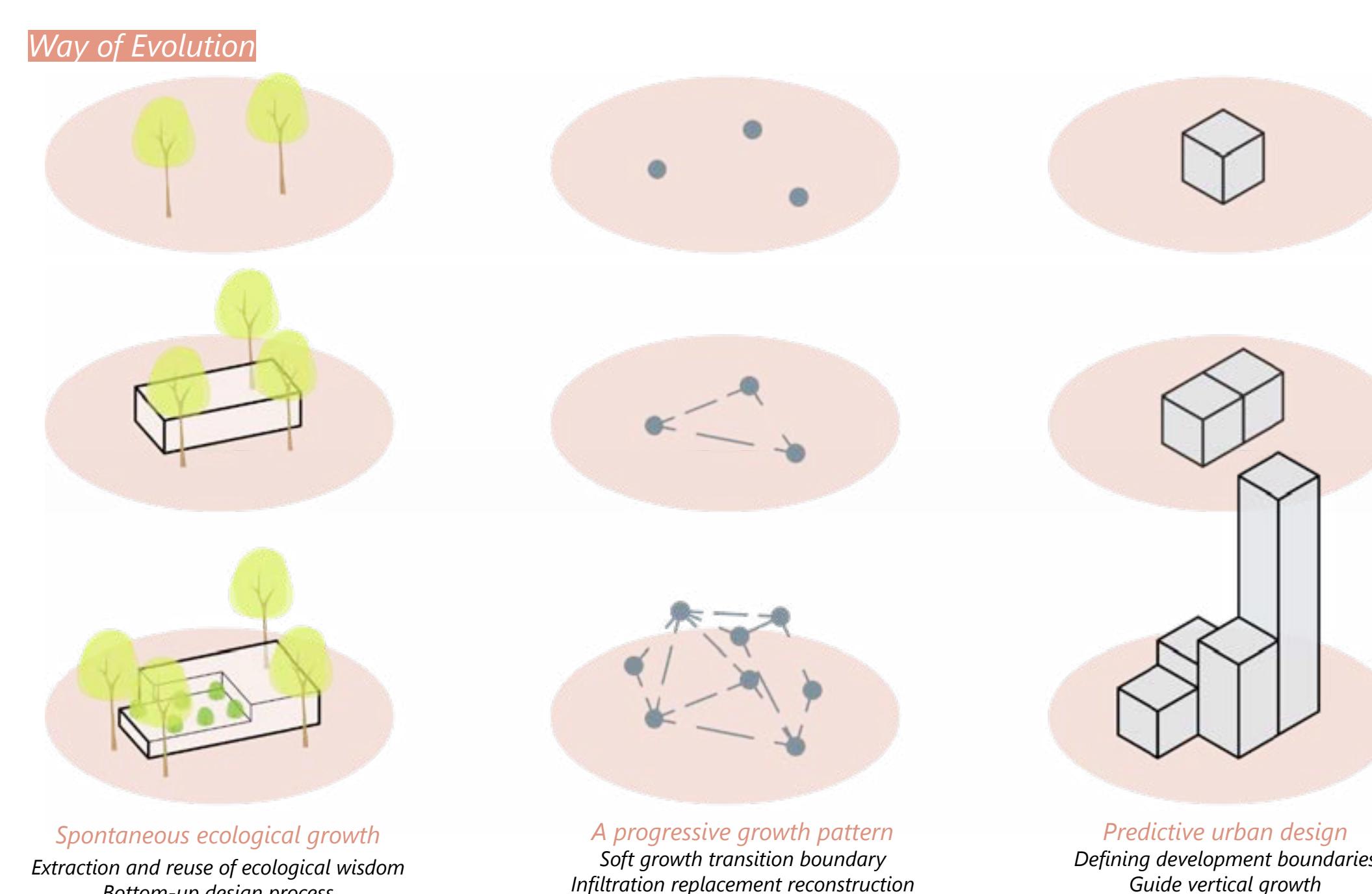
Concept Generation

Preliminary Idea

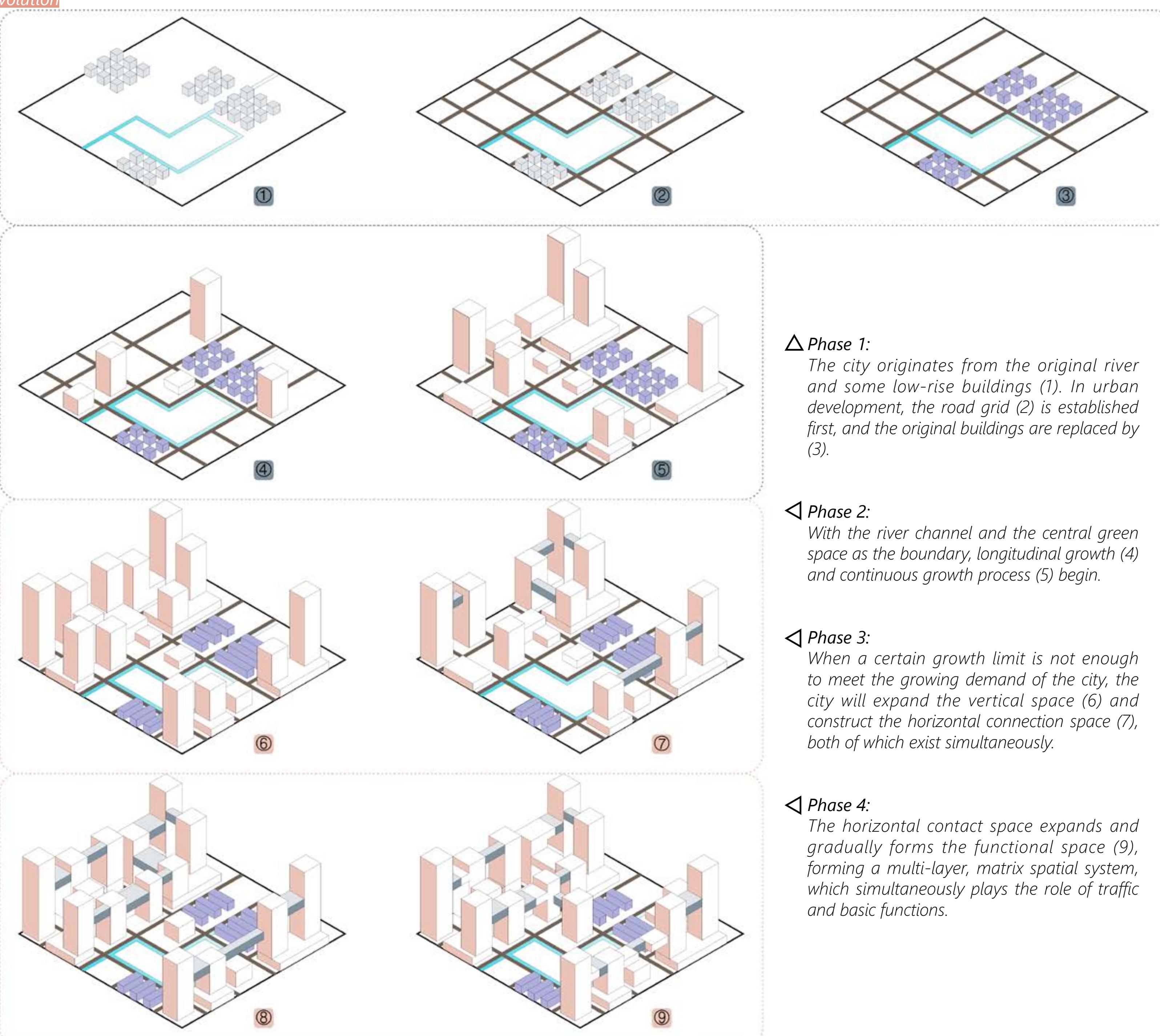


Design Specification
This design hopes to discover the inherent self-organizing evolution law of the site, learn from its original ecological wisdom, wake up the inner operation logic of the city, guide the organic growth of Paodong city, and build a demonstration area of new urban construction driven by the ecological wisdom of the city itself.

Also, as the synchronic and synchronic of the theory of metabolism point out: different time periods of the past, present and future are represented in an architectural (urban) space. In terms of specific strategies, the known urban growth process is summarized into three stages: boundary activation, industrial replacement and function extension, and the future growth stage and vision of the city are envisaged based on this.

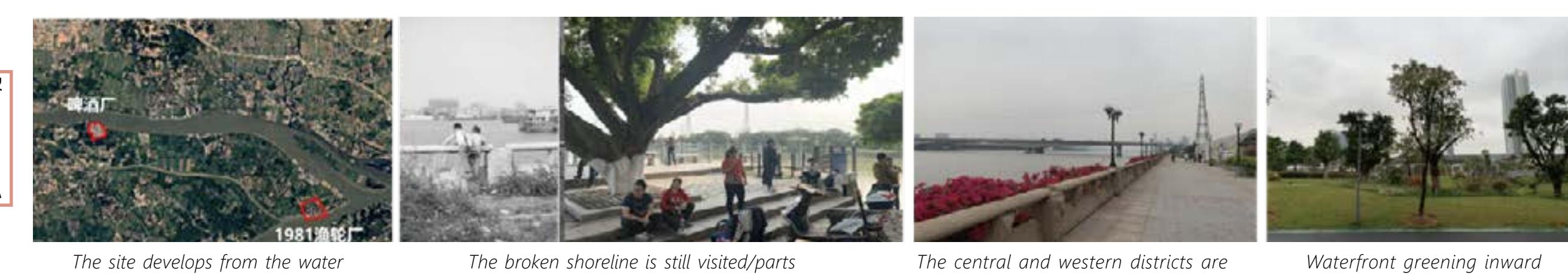


Phase of Evolution

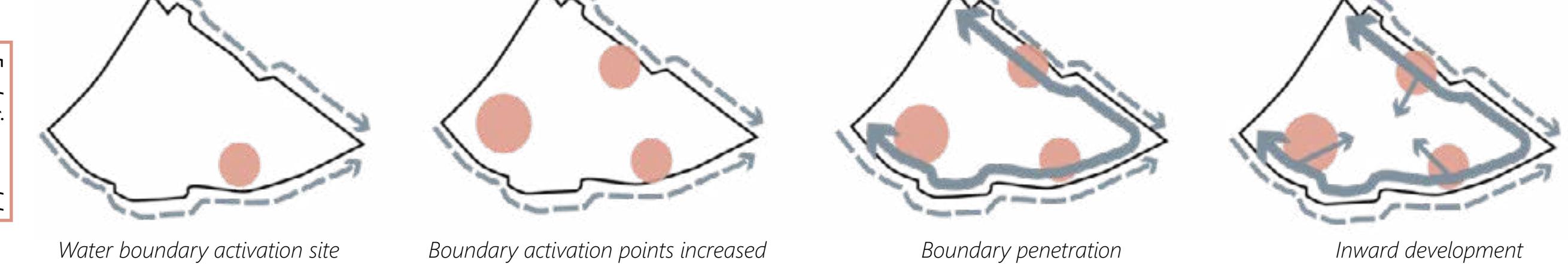


Internal Cause of Evolution

Boundary activation



Evolution model



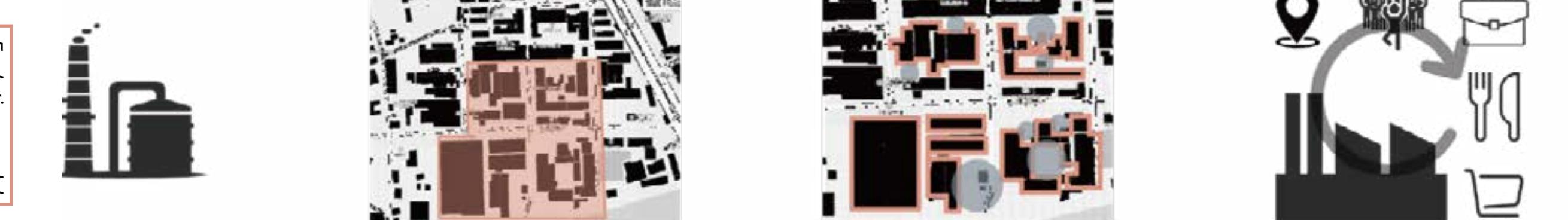
Evolution cause



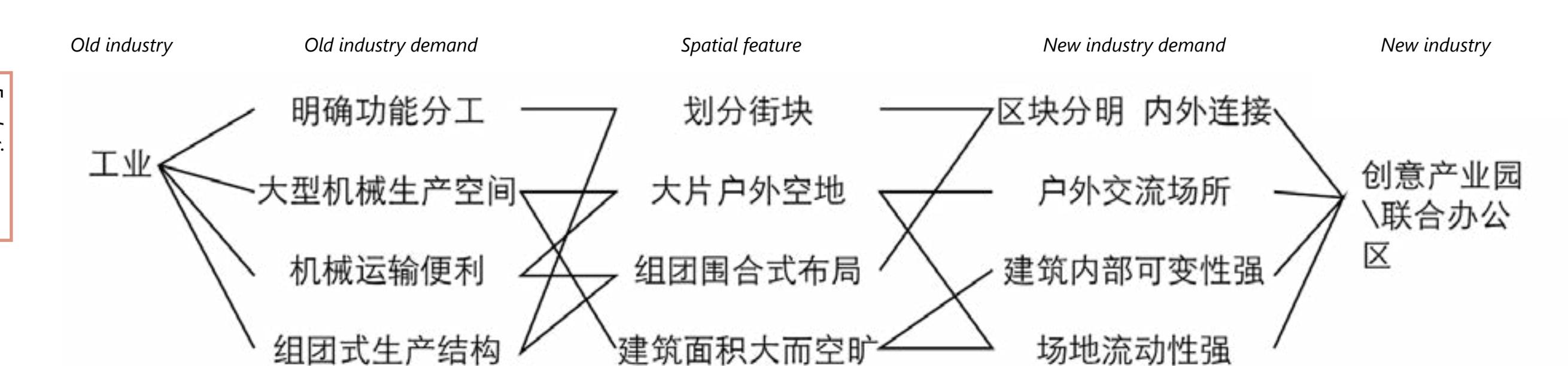
Industrial replacement



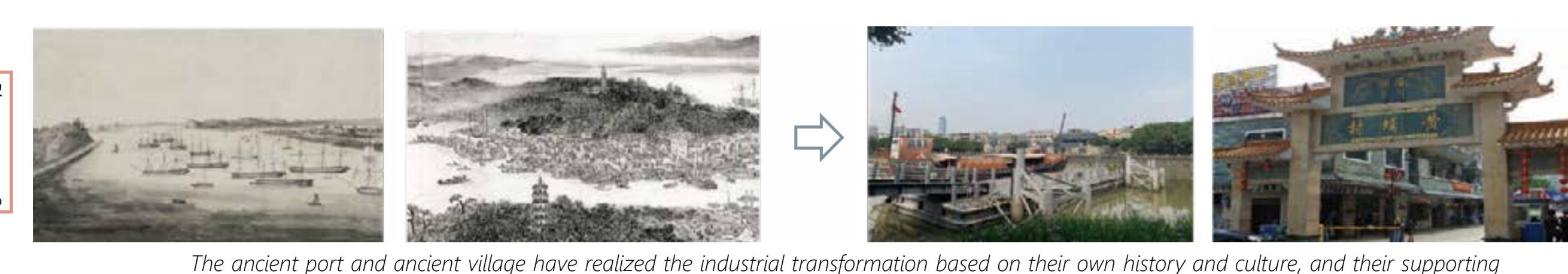
Evolution model



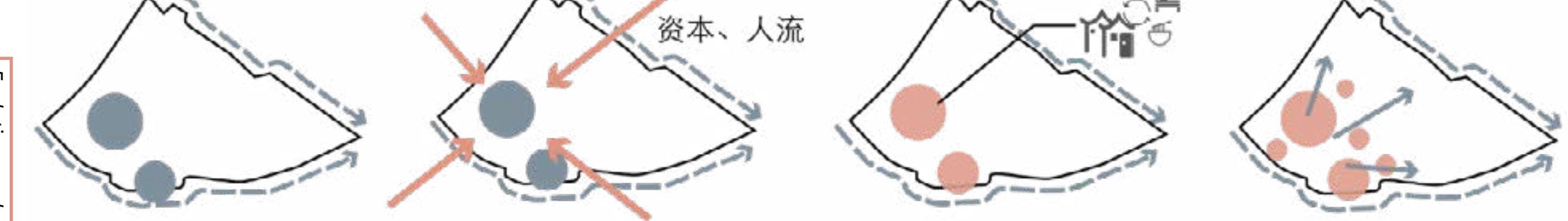
Evolution cause



Functional extension



Evolution model



Evolution cause



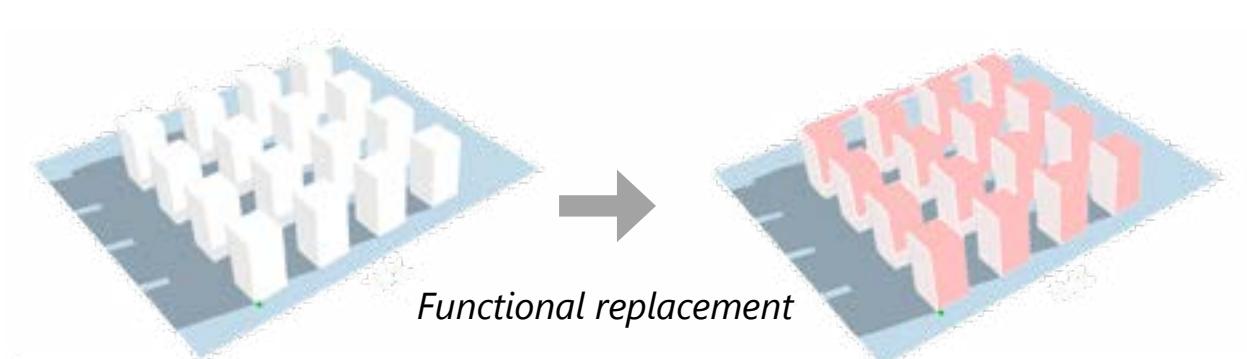


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2

—Ecological smart city design under the theory of organic growth

Growth Process Replacement



Building evaluation
Evaluate the architectural value, including the spatial structure of the building, the historical retention value, etc;

Functional evaluation
The existing building functions are evaluated locally, the suitable functions are retained, and the unsuitable functions are replaced by new functions.

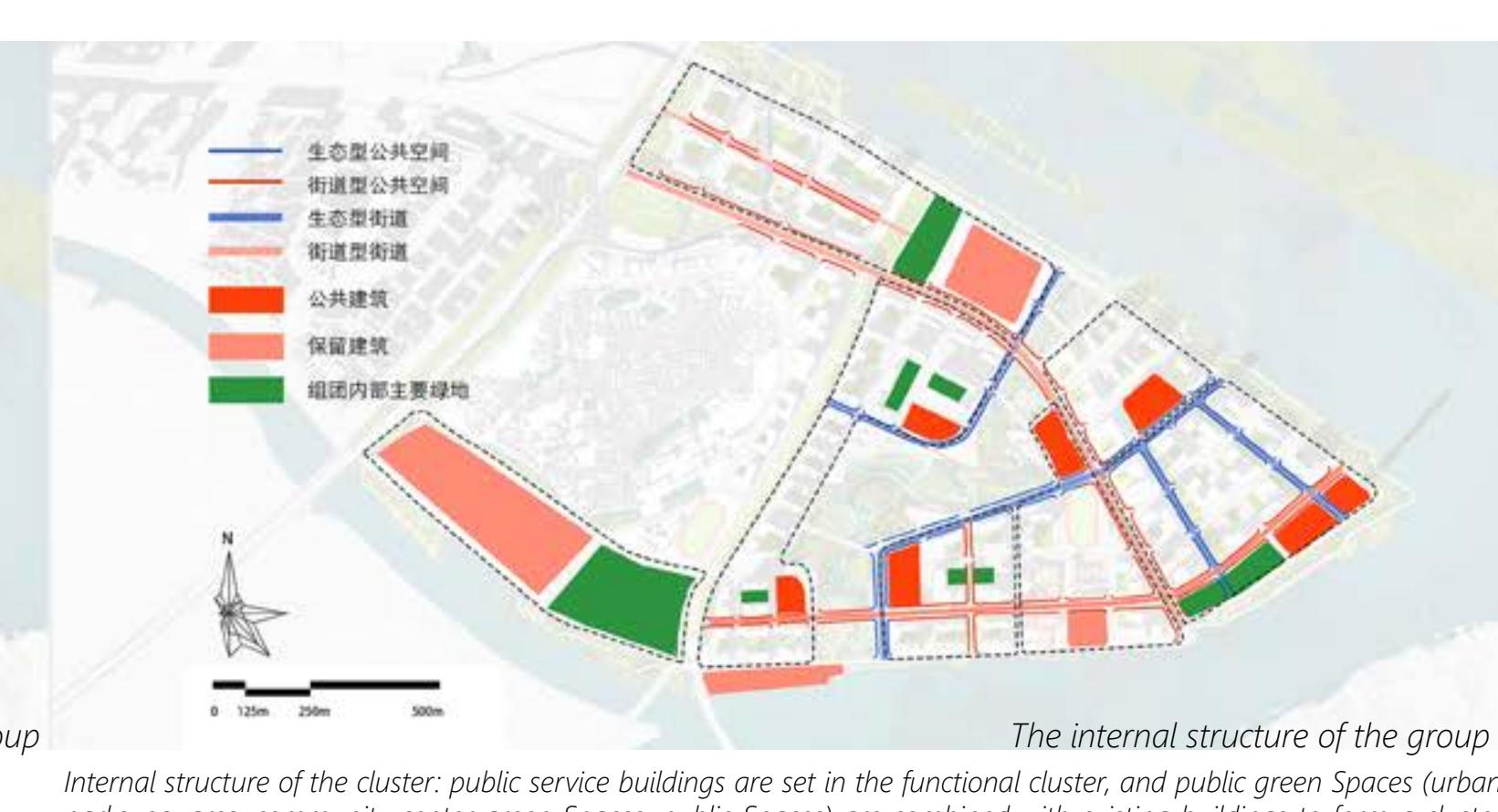
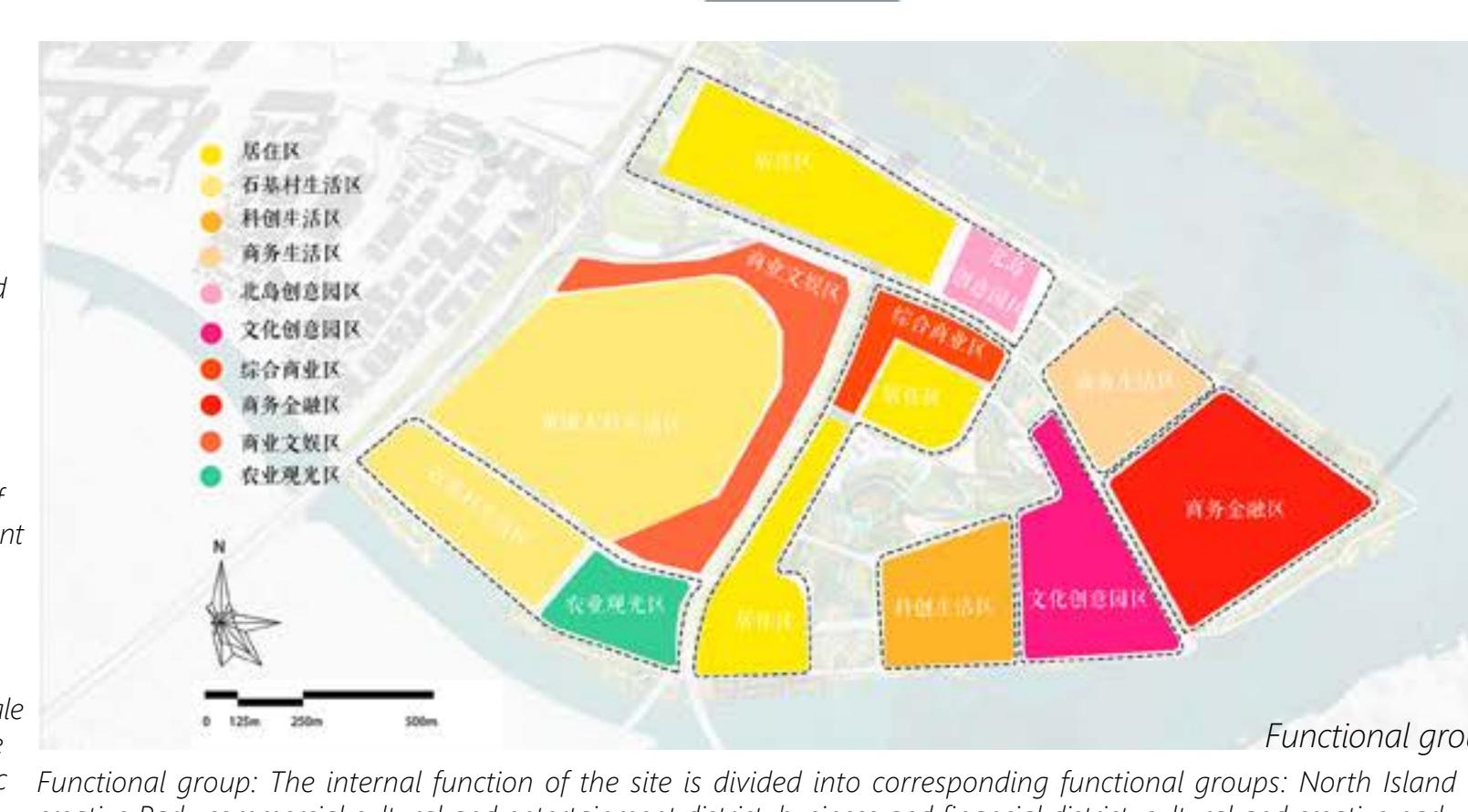
Design Strategy Ecological Strategy

1. Connecting the North and south green corridors to build migration channels,
2. Through the elastic waterfront boundary, build a regional green network,
3. Embed ecological node space to improve the ecological service system.

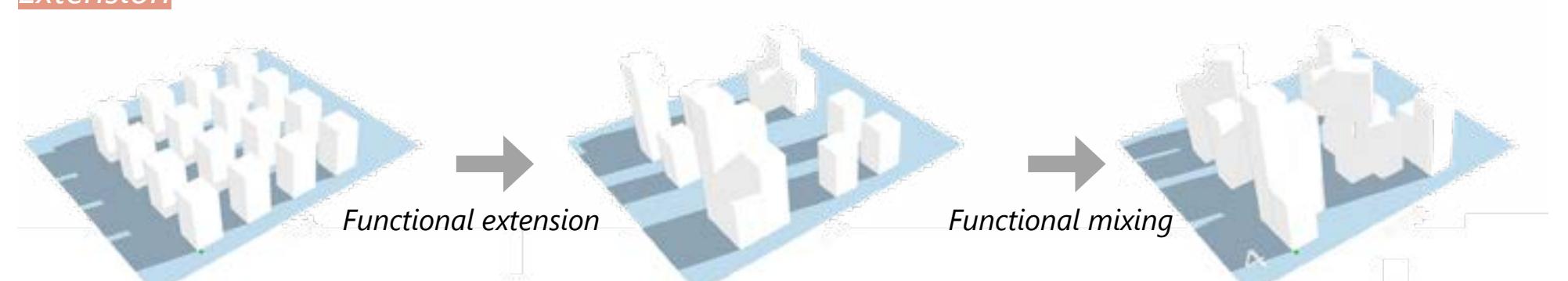


Functional Strategy

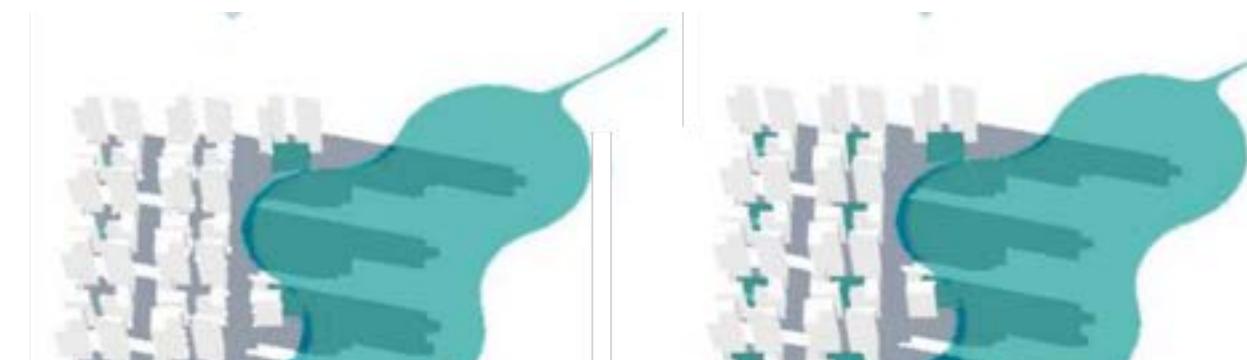
1. Coordinate the positioning of surrounding industries and build a pattern on both sides of the river;
2. Adjust the functional layout of land use and implant new functional formats;
3. Build human-scale blocks to enrich the experience of public space.



Extension



Repetitive singleness



Hybrid development



High density development



The faceted natural system extends into the city



Connect dots of community green space



Vertical greening that follows the growth of the building

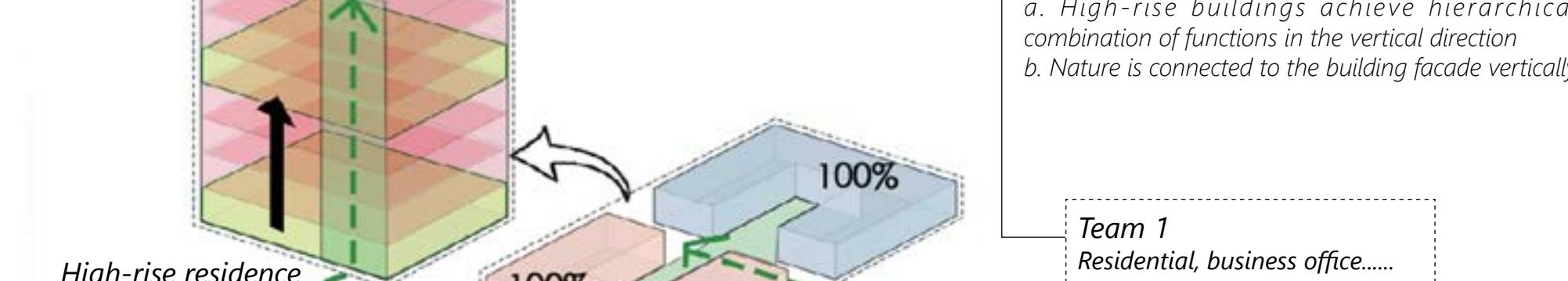


Self-Organization



- a. High-rise buildings achieve hierarchical combinations of functions in the vertical direction
- b. Nature is connected to the building facade vertically

Team 1
Residential, business office.....



- a. The horizontal self-organization of land use with different functional proportions is realized by three modes of connection, intrusion and penetration
- b. Transfer and integration of functions between groups
- c. Natural horizontal connection to the community park within the building

Team 2
Residential -- Retail -- Cultural and Creative office.....

Design Achievement Site-Plan



Functional Parameter



High-Tech Park

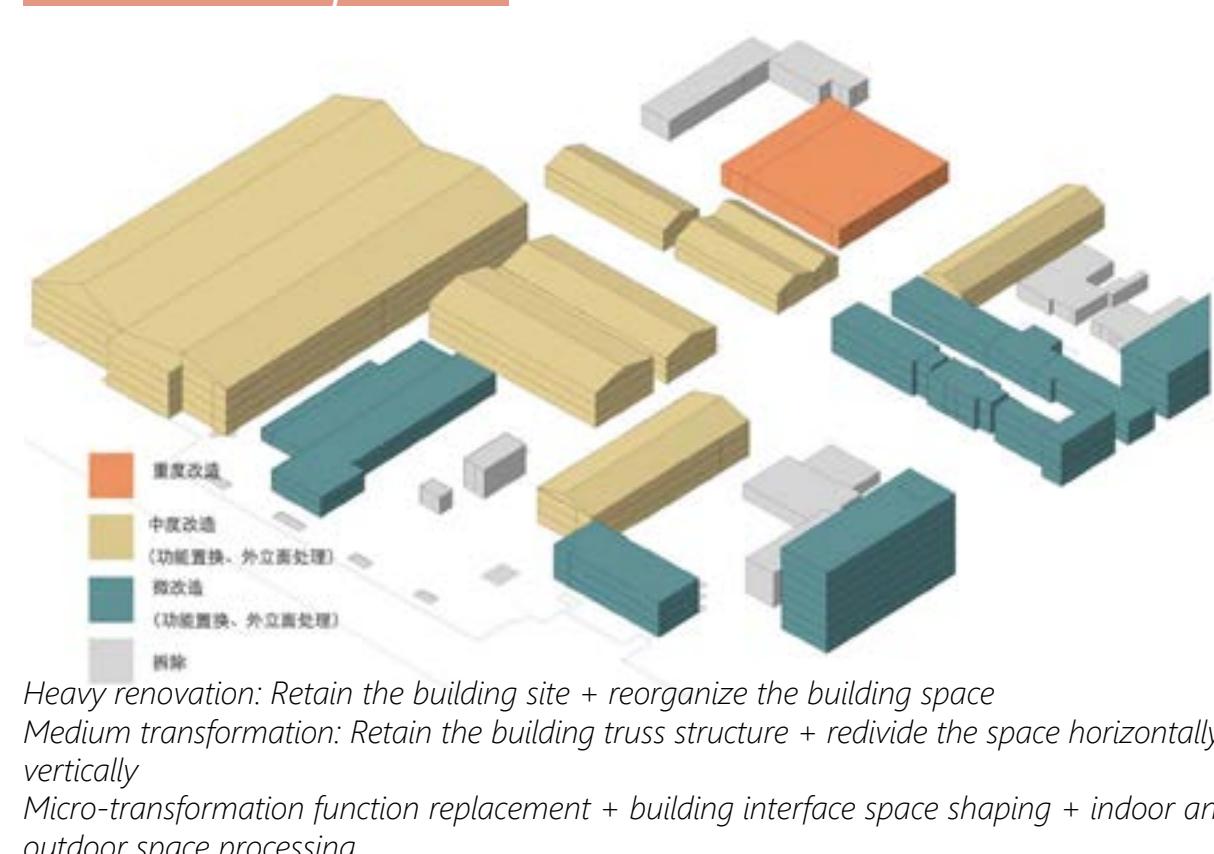
Aerial View

As an active boathouse area on the edge of Pazhou, the site is designed to extract the organic growth mechanism of the boathouse area from the internal causes of Pazhou's own evolution, extract the historical and spatial structure value of old buildings, continue the historical fabric of the city, configure innovative functions, and build a highly connected spatial network, with a view to realizing the organic evolution of Pazhou Island from the past to the present.

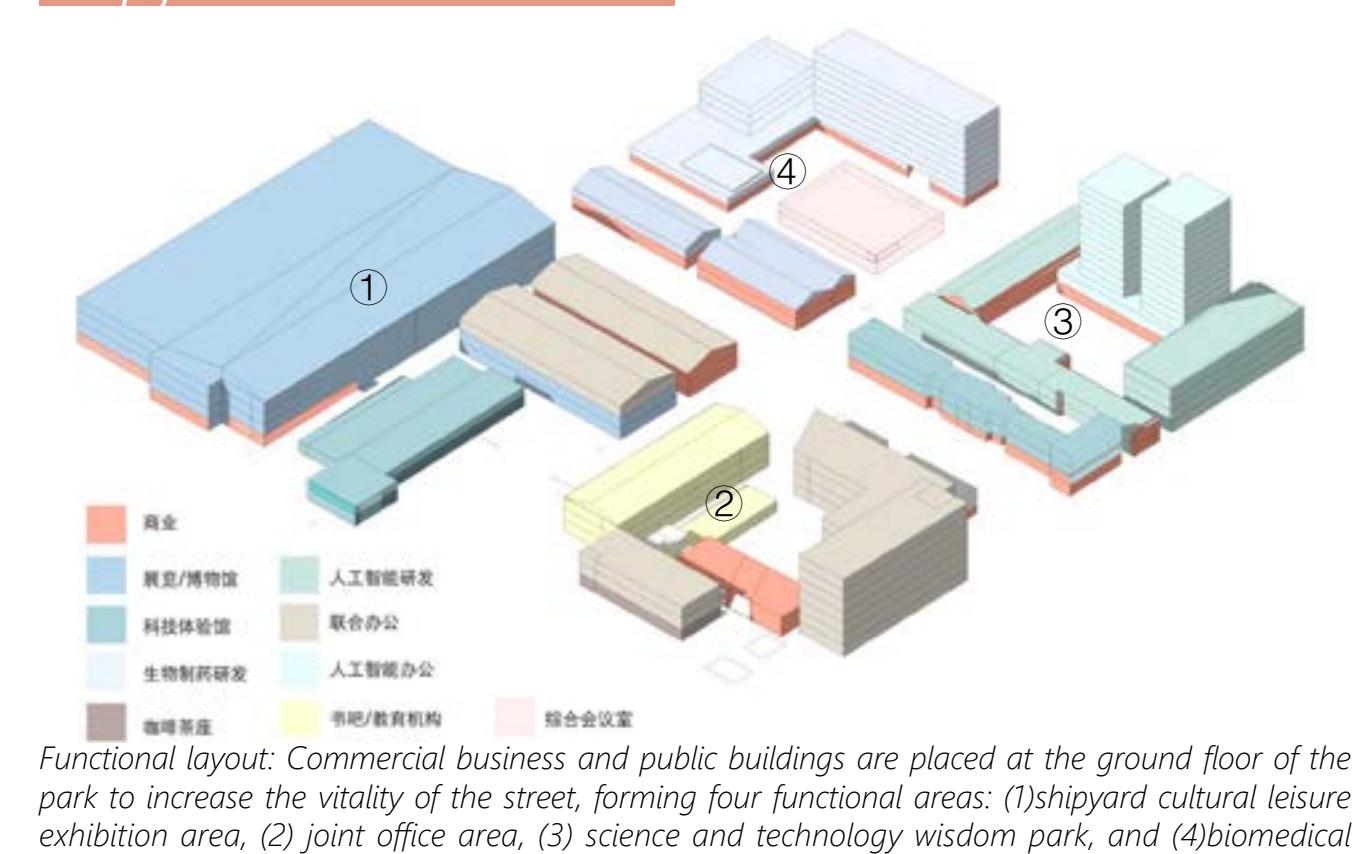


Design Strategy

Continuation of Texture

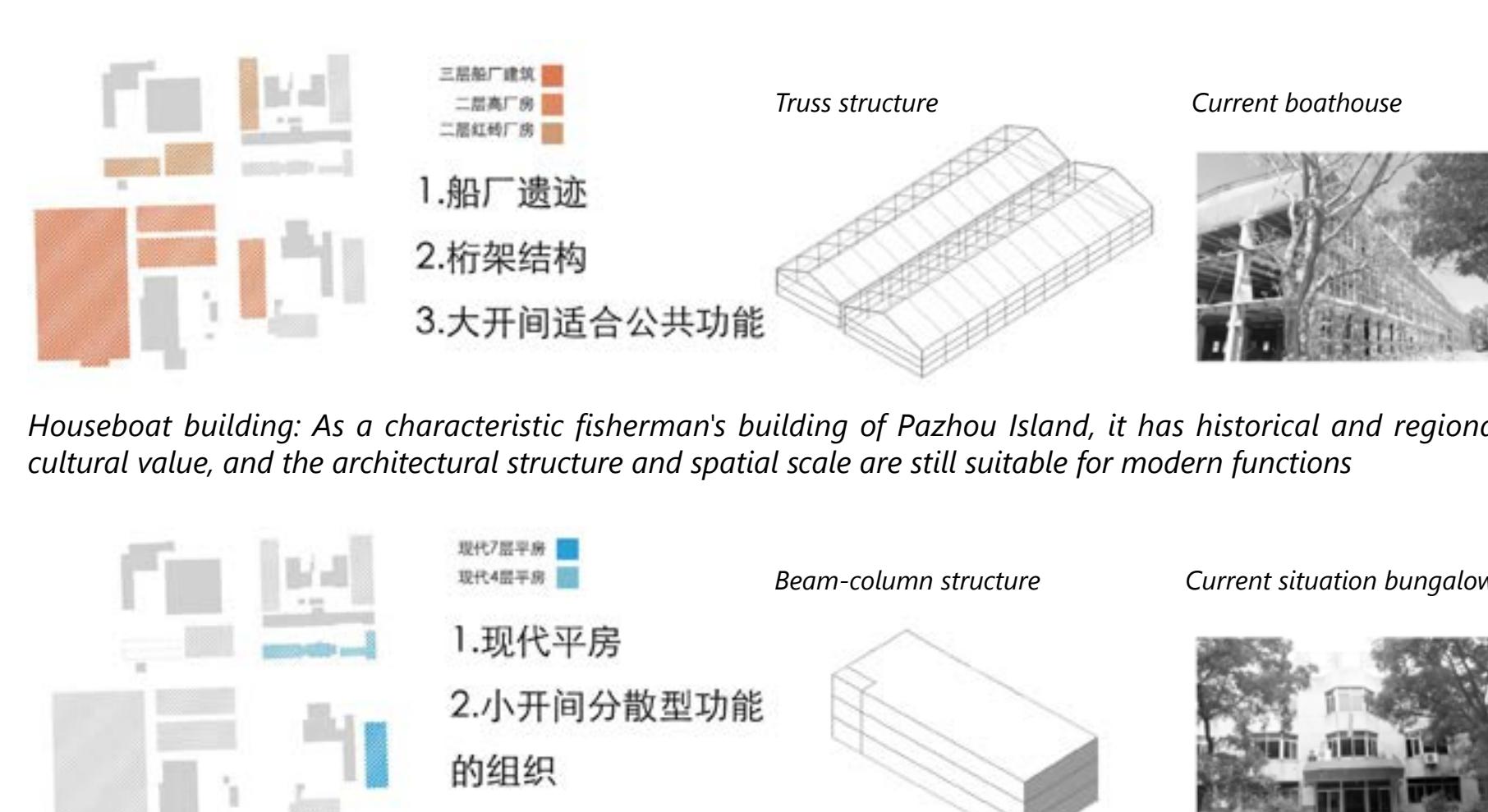


Configure Innovative Functions

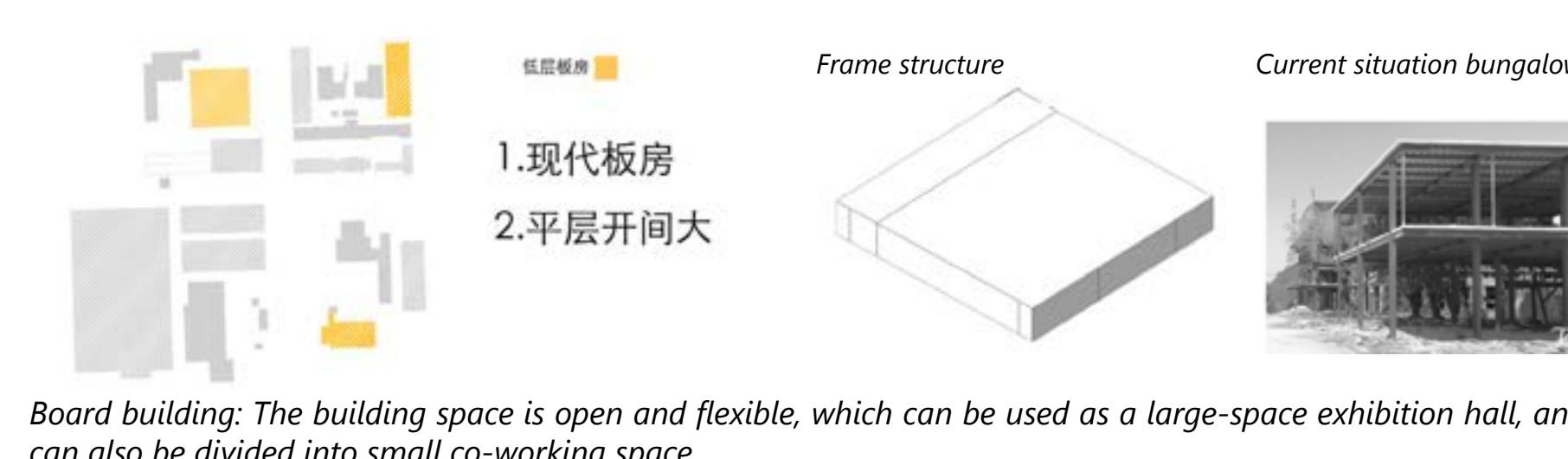


Site background

Buildings

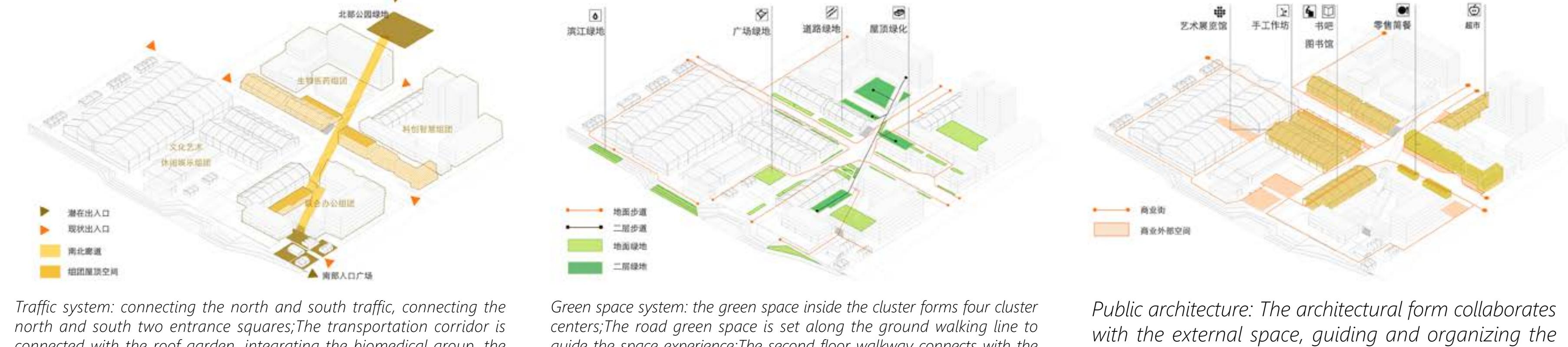


Boat building: As a characteristic fisherman's building of Pazhou Island, it has historical and regional cultural value, and the architectural structure and spatial scale are still suitable for modern functions



Board building: The building space is open and flexible, which can be used as a large-space exhibition hall, and can also be divided into small co-working space

High Connectivity Spatial Network



Public architecture: The architectural form collaborates with the external space, guiding and organizing the architectural function through the linear interface of the public spa

Design Concept

Gathering



Talent gathering place

The four groups gathered talents from different fields such as science and technology innovation, cultural innovation, and medical emerging creative industries

Continuing



Continue the urban texture, establish group connection

Extract the texture of urban road and riverside building of Xinzhou fishing village, and connect the original four independent clusters

Coupling

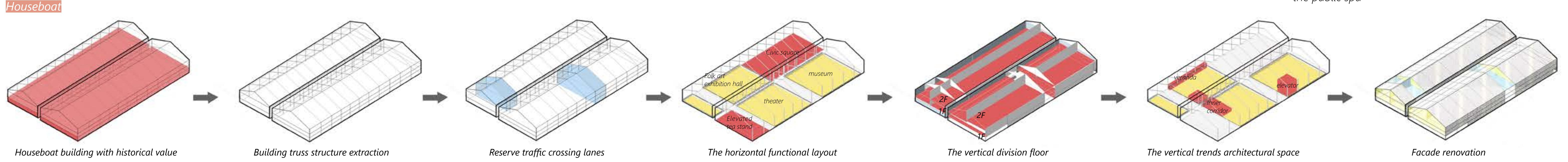


Science and innovation exchange, gathering space

Put into the public space, connect the divided group space and the crowd

Building Renovation

Houseboat

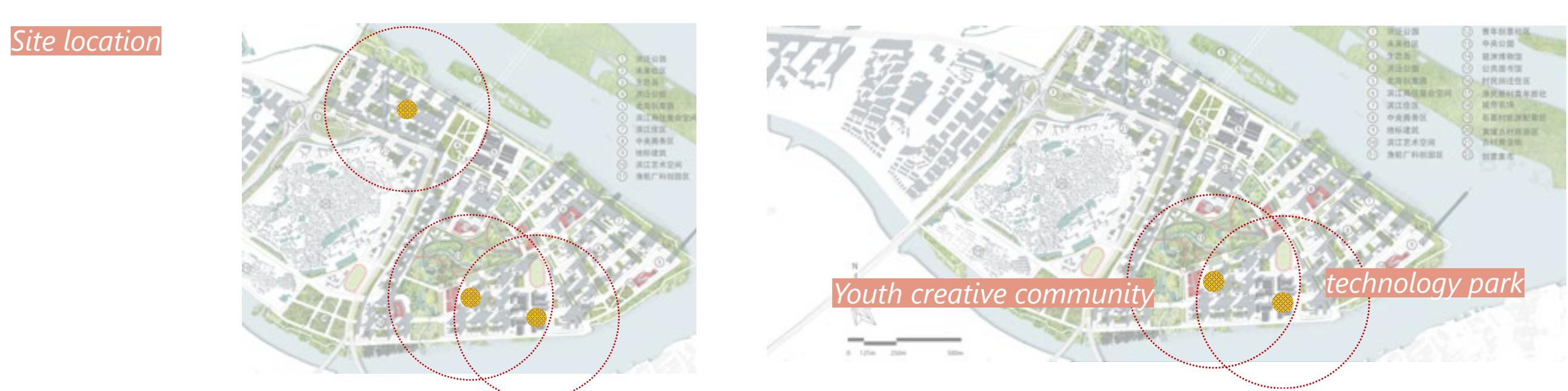


Wake up the city

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—Ecological smart city design under the theory of organic growth

Youth Creative Community



The transformation of the park has realized the organic evolution of the old factory from "past" to "present", and the youth creative community is to realize the organic growth of the park in the present

As a supporting residential area around the Science and Technology Innovation Park, the site design starts from the organic connection between the site and the Science and Technology Innovation Park, connects the science and technology innovation park by setting street space, and introduces vitality factors; To establish an open and active youth creative community, public activity space is set up to create internal vitality points in the community

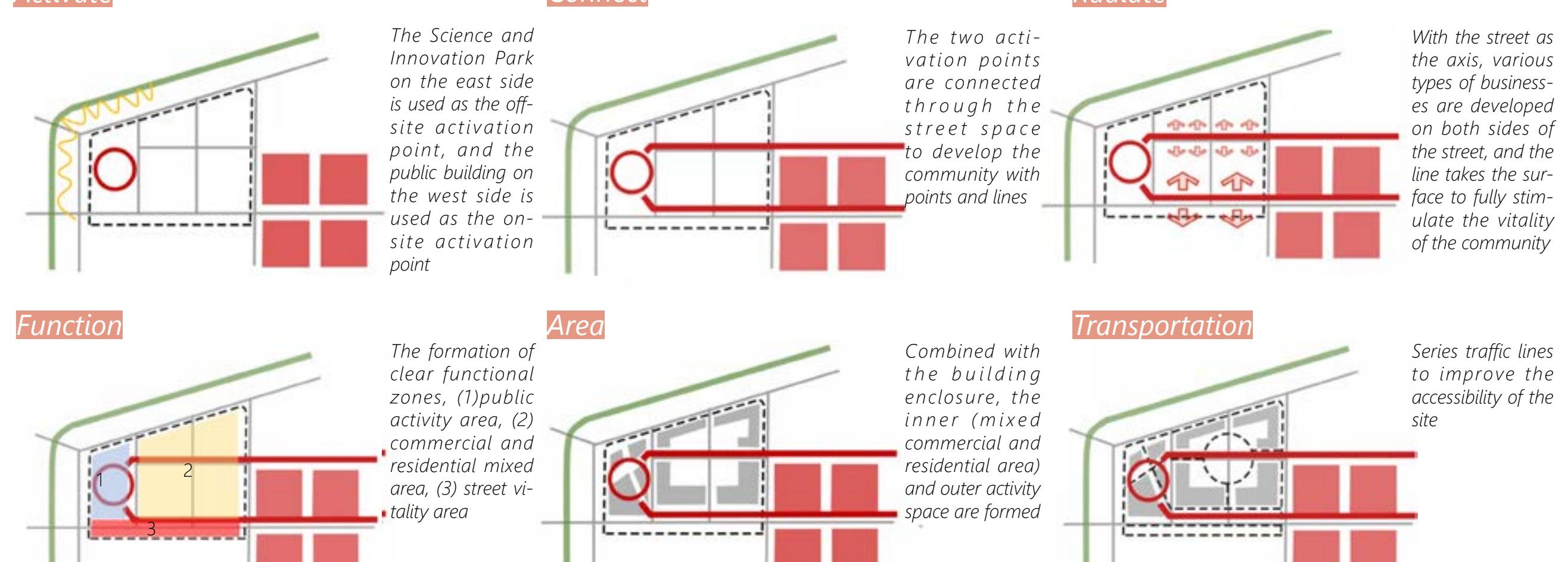
Site Situation



The site is rich in natural landscape resources and native trees. At the same time, it also has rich historical resources, and the east side is the Science and Innovation Park, which has a large number of traditional industrial buildings

Designed to Generate

Activate

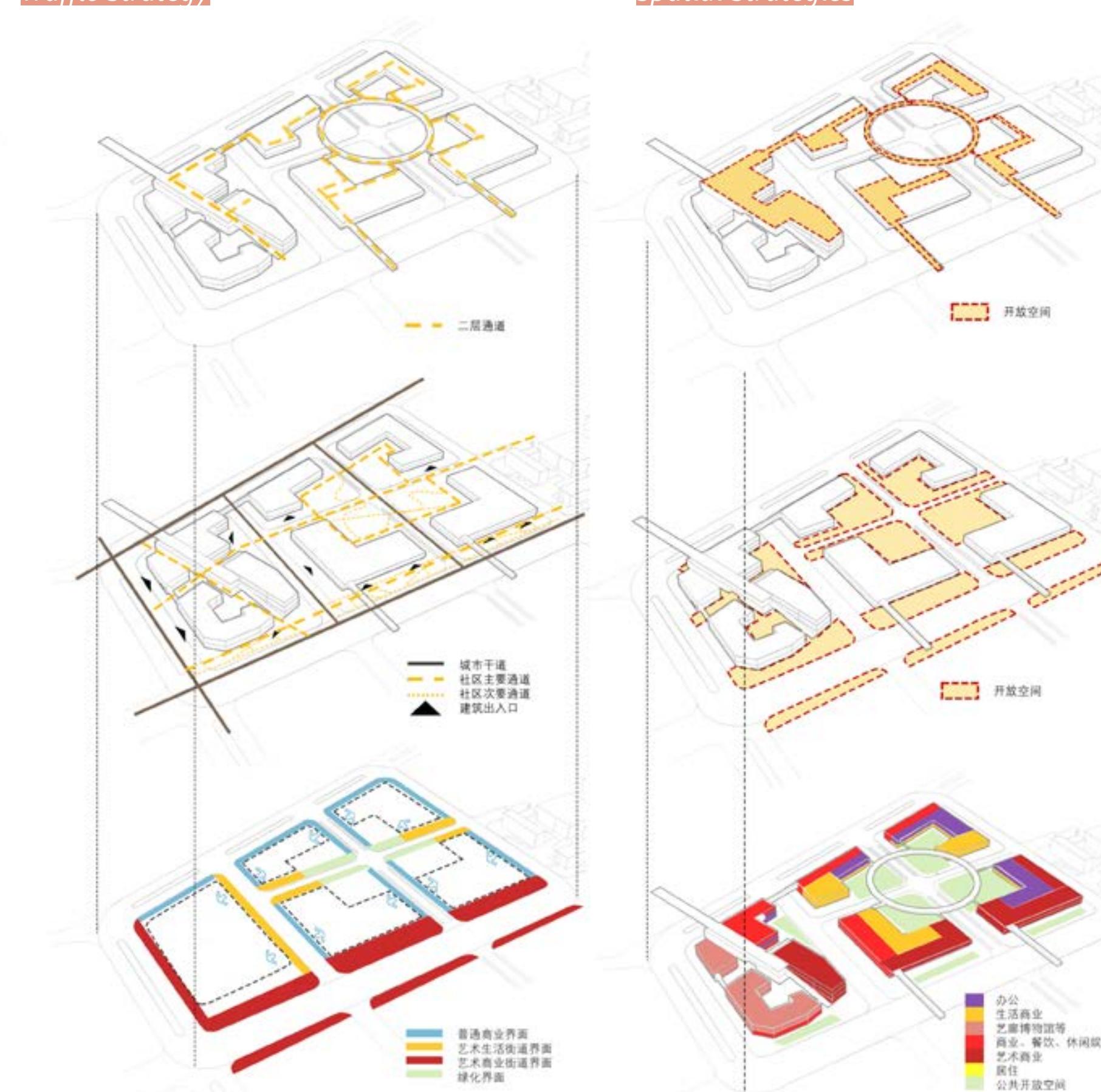


Master Plan



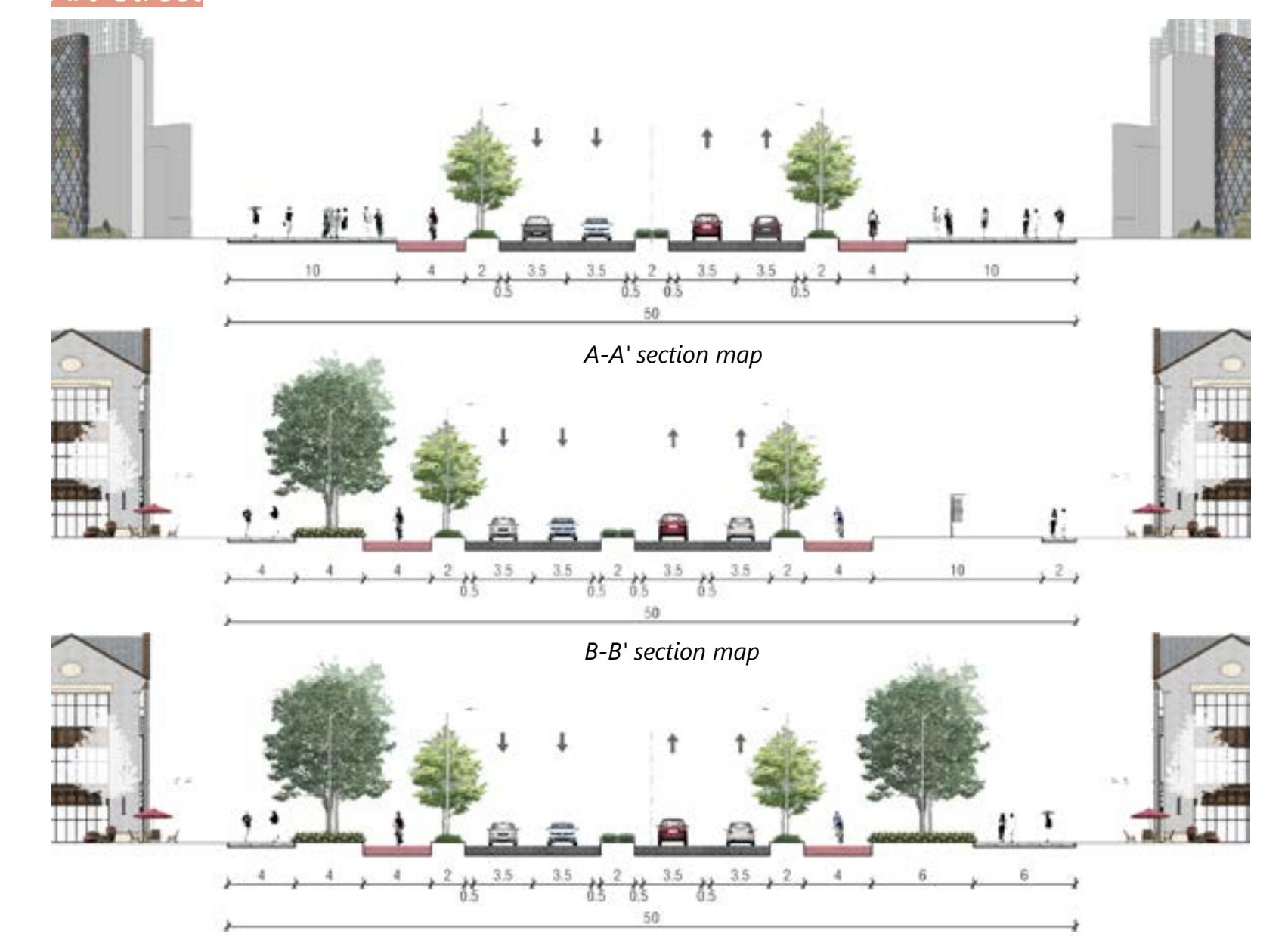
Design Strategy

Traffic Strategy



StreetDesign

Art-Street



Economic And Technical Norms



Aerial View





Wake up the city

4

—Ecological smart city design under the theory of organic growth

Vision of Future Blocks

