

Politecnico di Milano

Scuola di Architettura Urbanistica Ingegneria delle Costruzioni

REGENERATION PROCESSES IN CHINESE MEGA-CITIES

SHENZHEN AND BAISHIZHOU VILLAGE

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Academic year 2020/2021 INDEX

INTRO OF THE PROJECT TOPIC

PART I BACKGROUND STUDY

- BACKGROUND & URBAN DEVELOPMENT

- THEMATIC STUDY OF URBAN VILLAGE

- INTERPRETATION & PROJECT APPRACH

PART II SITE READING & DESIGN STRATEGY

- SITE READING - GENERAL STRATEGY

- MASTERPLAN

PART III PROJECT DESIGN

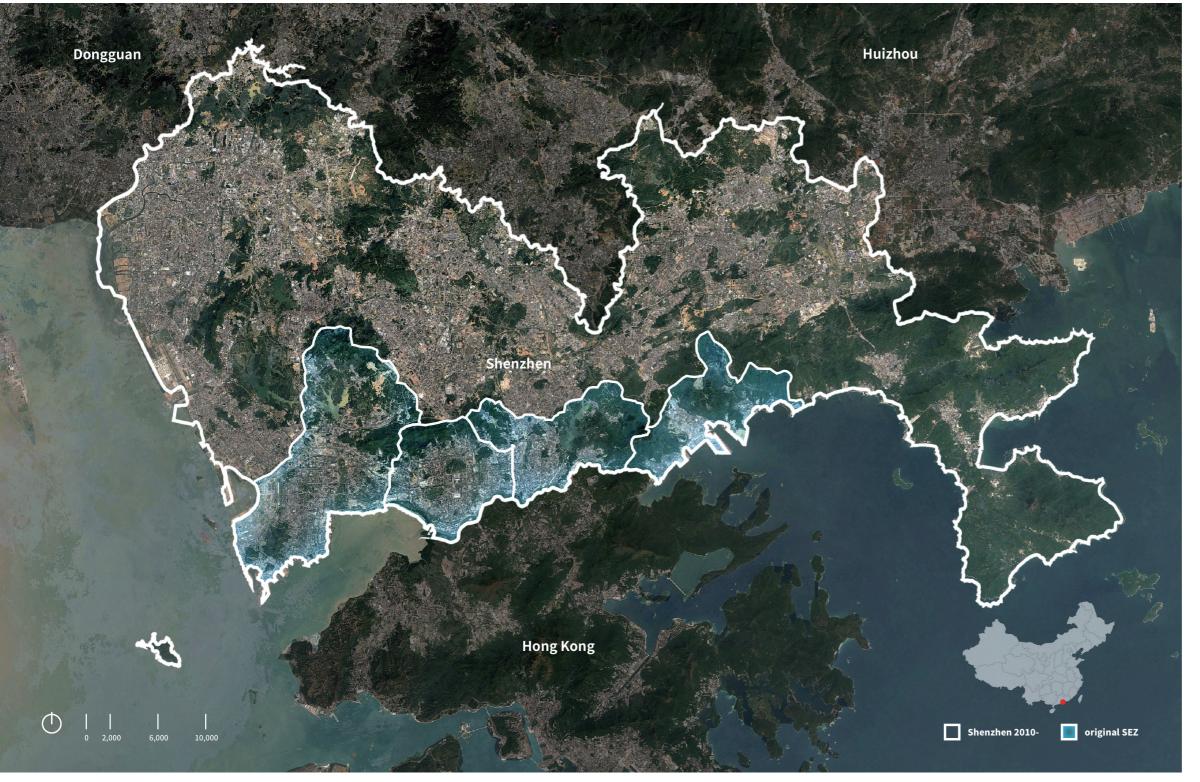
- FOCUS AREA DESIGN: SHENNAN AVE. COMPLEX + SUPER COMMUNITY UNIT

INTRO OF PROJECT TOPIC

KEYWORDS:

Urban Regeneration Chinese Mega-City Urban Village

This thesis mainly studies and discusses the possibility of urban regeneration processes of Chinese mega-cities. The phenomenon of "urban village" has been a crucial issue during rapid urbanization, especially in Shenzhen, a newborn modern city on the southern coast of China. During the city development, urban land use, city structure, and other issues are continuously iterating. By researching more profound the topic, the author aims to discuss the possibilities for the future city's strategies and architectural design approach.



Shenzhen lies along the coast of the South China Sea, in Guangdong Province and immediately north of Hong Kong.

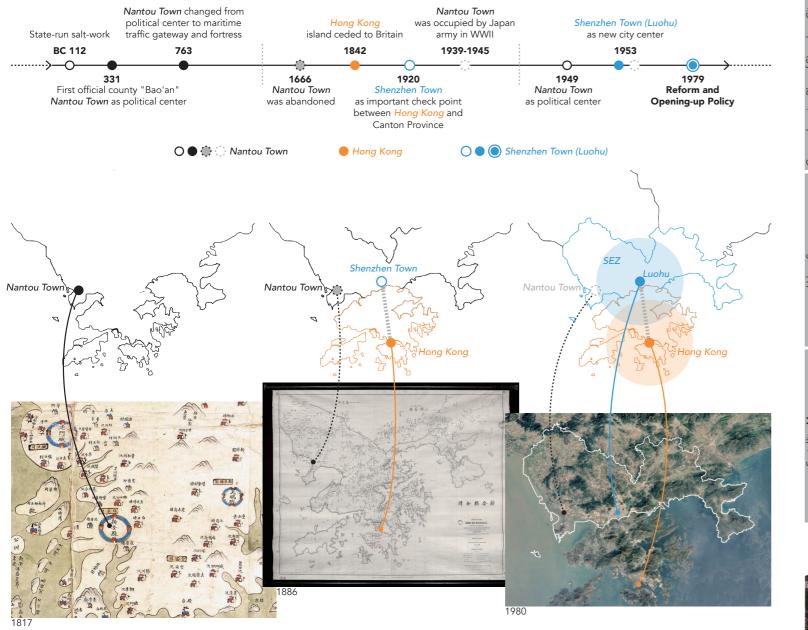
As a pre-planned modern city, Shenzhen has many phenomena worth studying. Grew up in Shenzhen, it's still hard for the designer to make a clear definition of this megacity.

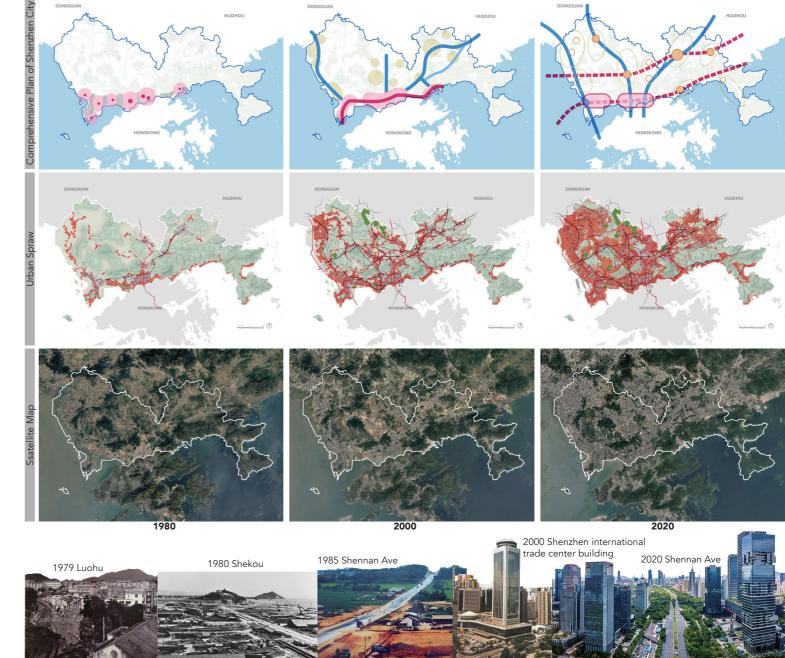
After the reform and opening policy in 1979, Shenzhen turned from a little-known village into a pioneering urban experimental field overnight. For just 40 years, Shenzhen has become one of the mega cities in China with 13.43 million of population. It is often described as a city with "no history". But to truely understand the story, one must start from the ancient times.

The part I combs the historical evolution of Shenzhen from ancient times to the present, so as to have a more comprehensive understanding of the context and characteristics of the city.

Background & Urban Development

Background & Urban Development





Arround BC 221, Nantou Town was set as a state-run salt-work. In 331 Dongguan County was established in the same location, the jurisdiction covered Hong Kong, Huizhou and Dongguan. During the Tang Dynasty (736 years), government set up a military organization. From then until the Ming Dynasty, Nantou Town was transformed from an administrative center into a maritime traffic gateway and militaary fortress.

During the Qing Dynasty, export ban was issued and Nantou Town as Xin'an County back then was abolished. In 1842, Hong Kong island was occupied by the British, it gradually became the center of the region. Meanwhile, in 1920, Shenzhen Town (now Luohu) has become an important check point between Hong Kong and Canton Province.

Town, whose structure got severely damaged.

In 1953, due to the fact that Shenzhen Town (now Luohu) was connected to the Guangzhou-Kowloon Railway, the population was concentrated, as well as the industry and commerce were prosperous, the government decided to move the city center from Nantou Town to Shenzhen Town, ending the 1600-year history of Nantou as the county center.

Since 1979, thanks to the Reform and Opening-up Policy, "Shenzhen (SEZ, Shenzhen Special Economic Zone)" is known as the name of the city. Over the past 40 years since Reform and Openingup Policy, Shenzhen has organized and compiled 3 rounds of comprehensive city plans. Shenzhen' s rapid development cannot be separated from these urban plannings. In the third round of comprehensive planing, from

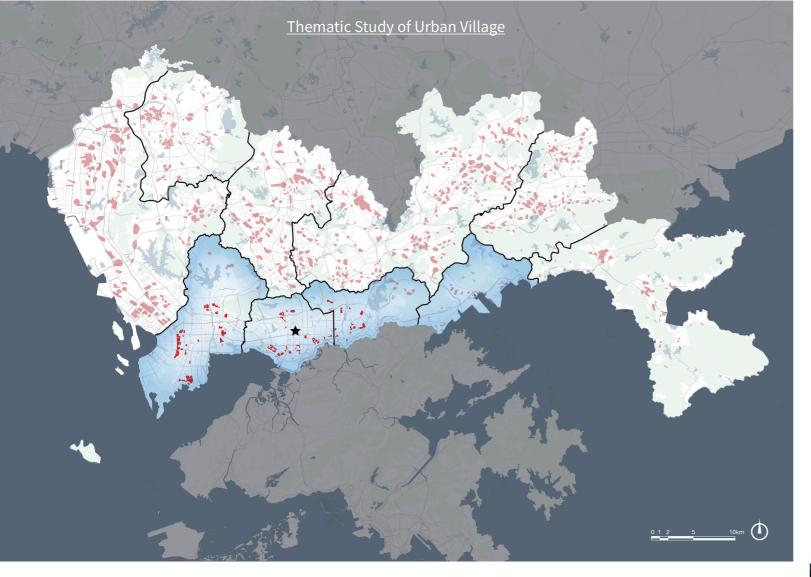
During the first round, from 1986 to 1996, labour intensive industries supported by opening-up and institutional reforms was mainly developed. Buffer zones were established to avoid excessive concentration of resources. The main development is located from east to west, close to the Hong Kong border.

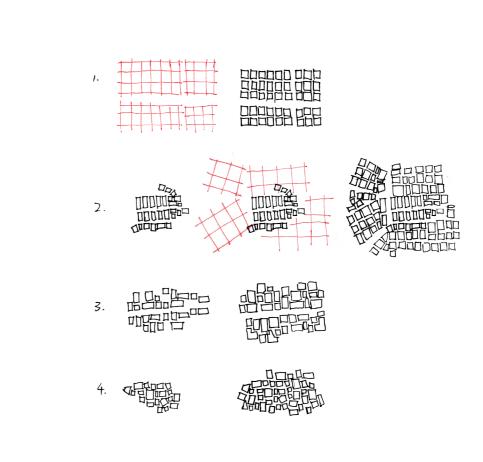
During the second round, from 1996 to 2010, Shenzhen attracted foreign direct investment and accelerated the transfer of electronic and information industries. In the urban planning, the connection between south and north

During the WWII, the Japanese army occupied Nantou

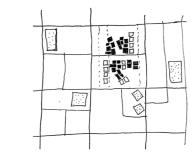
In the third round of comprehensive planing, from 2010 to 2020, more connection were planned, and started to spread out of the city border. Shenzhen successfully reached innovation-driven development. Closely connected with surrounding cities: Hong Kong, Dongguan, Huizhou, etc.

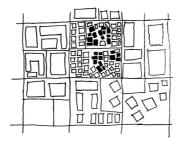
With the dramatic city growth in a limited land, the demand for urban renewal and renovation is increasing.











The small villages scattered on the original land are surrounded by a strong grid of top-down urban planning. Farmland has become public urban land to be developed, and villagers have built extra houses in the remaining limited blocks. As a result, more and more dense urban villages were formed, gradually becoming a new type of settlement surrounded by highrise buildings.

With the rapid development of Shenzhen's urban urban village is a phenomenon in city development and is a part of the urbanization of Shenzhen. Urban village



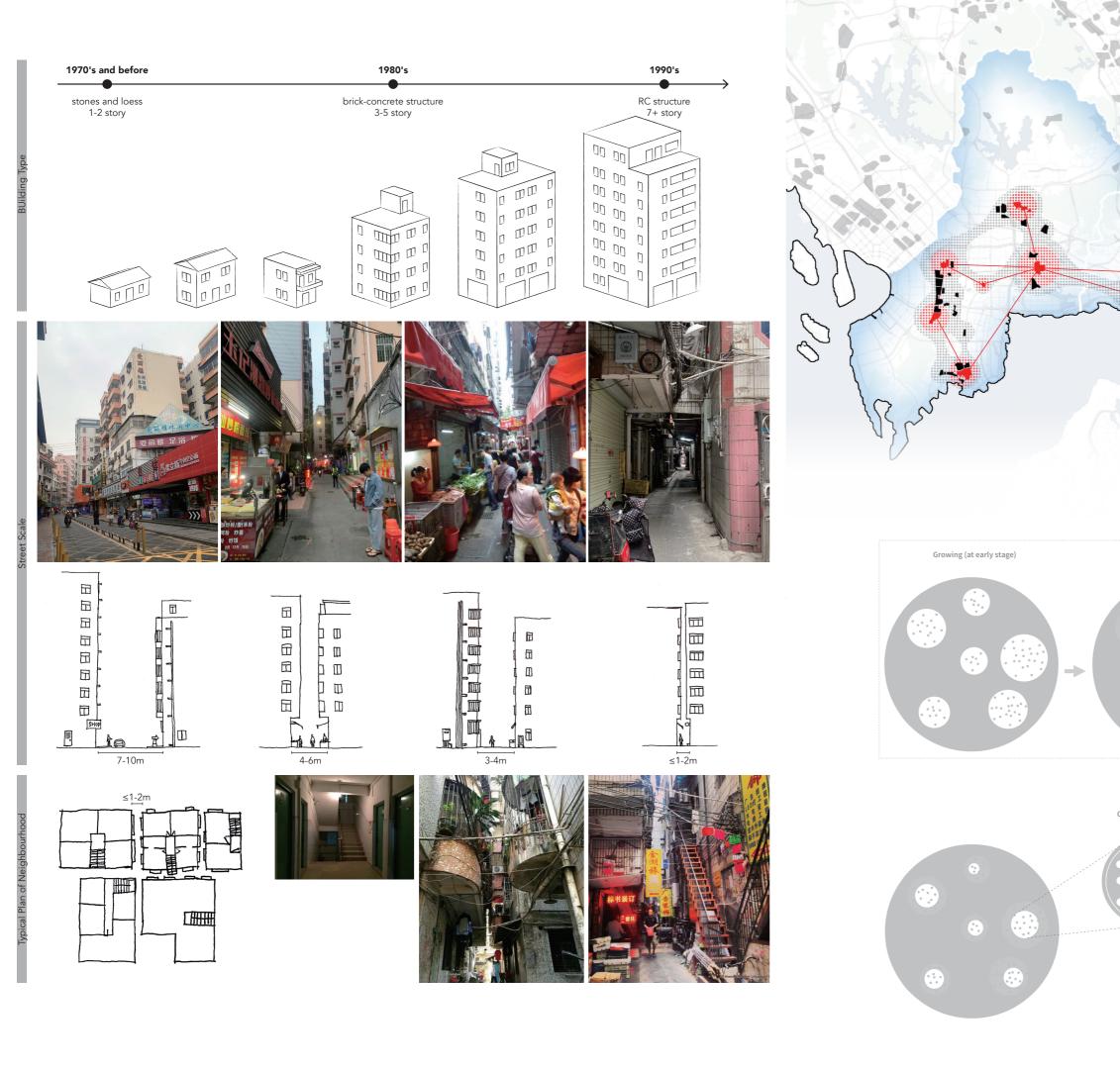
3.Nantou old town

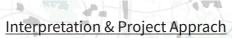
Thematic Study of Urban Village

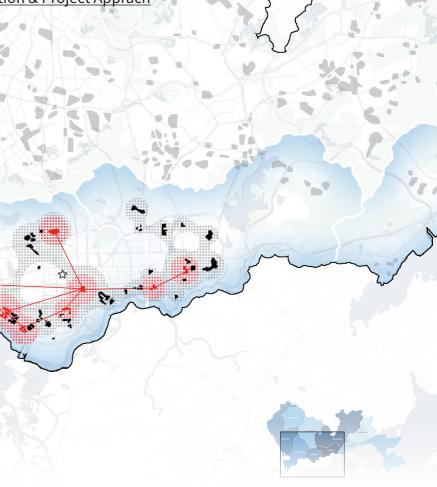
4.Nanyuan village

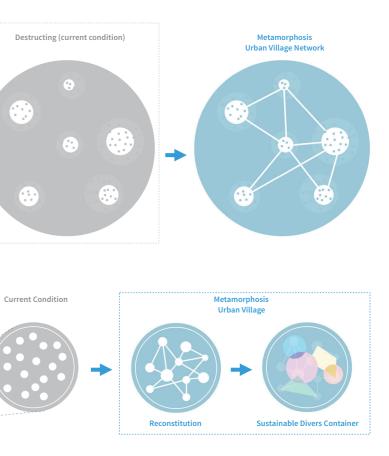


Thematic Study of Urban Village







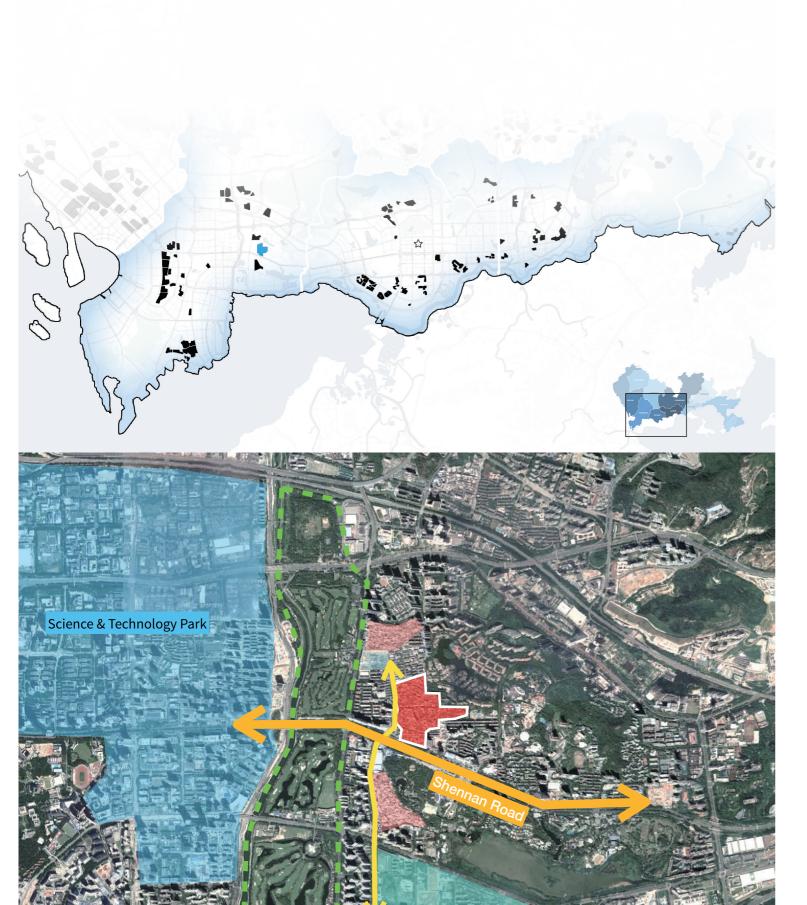




As a major type of "old traces" in Shenzhen, urban villages have been at the center of discussion and practice in recent decades, especially in areas located in the central districts. Due to the large demand for largescale development of land, Tabula Rasa approaches were adopted in renewal of these urban villages. What followed was the gentrification and the reduction of affordable housing, which triggered social controversy.

Baishizhou, one of the biggest urban villages in Shenzhen central area is facing the destiny of demolition. Its death sentence seems doomed, but this is a great opportunity to brainstorm about the future of Baishizhou.

In this part, we will delve into Baishizhou village and explore the potential and possibility of urban village regeneration. Finally, a series of targeted strategies and a masterplan will be presented which will further strengthen the idea. Site Reading



Shahe Golf Center Shenzhen Bay Super Headquarters

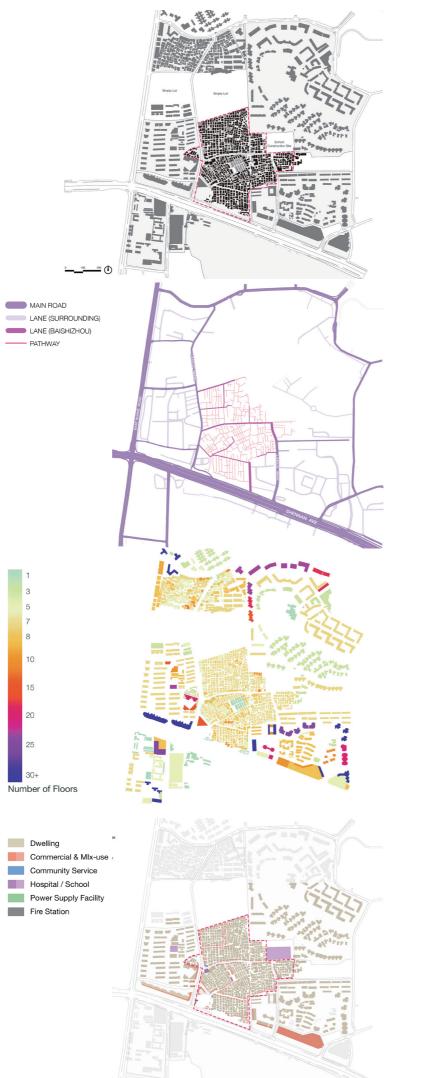


Site Reading

Accessibility

Building Height

Program



Contour

Rooftop Relative Height

40 45 50M Rooftop Relative Height

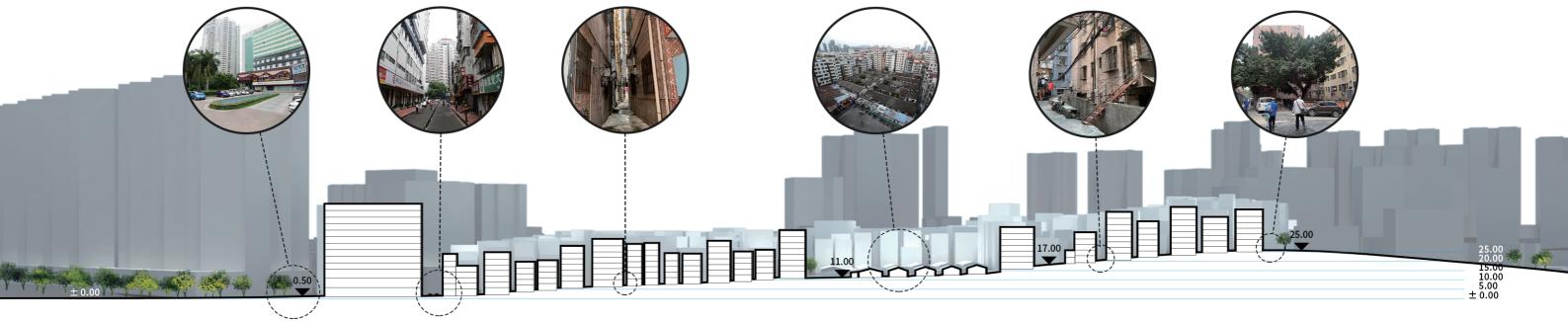
Distance In Between Buildings



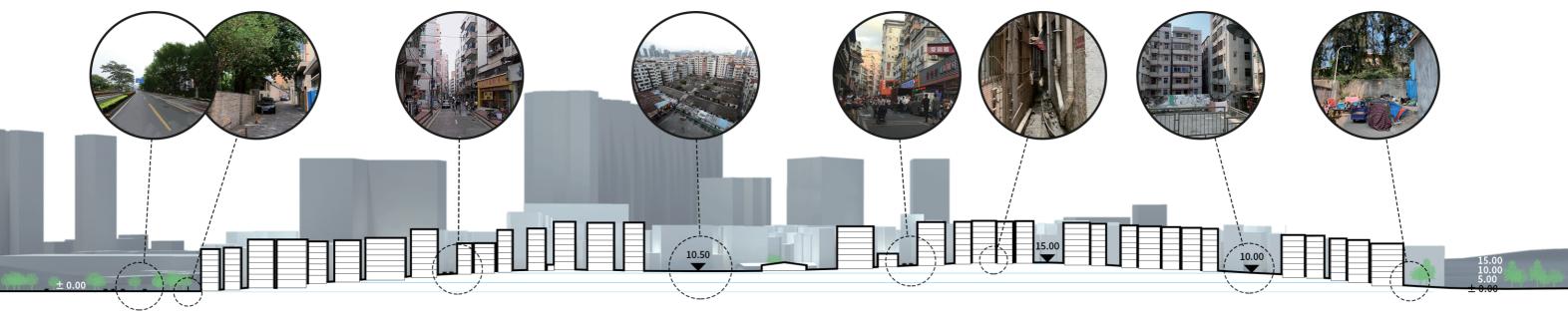
Site Reading



Site Reading

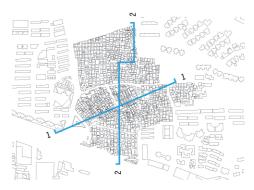


SECTION 1-1

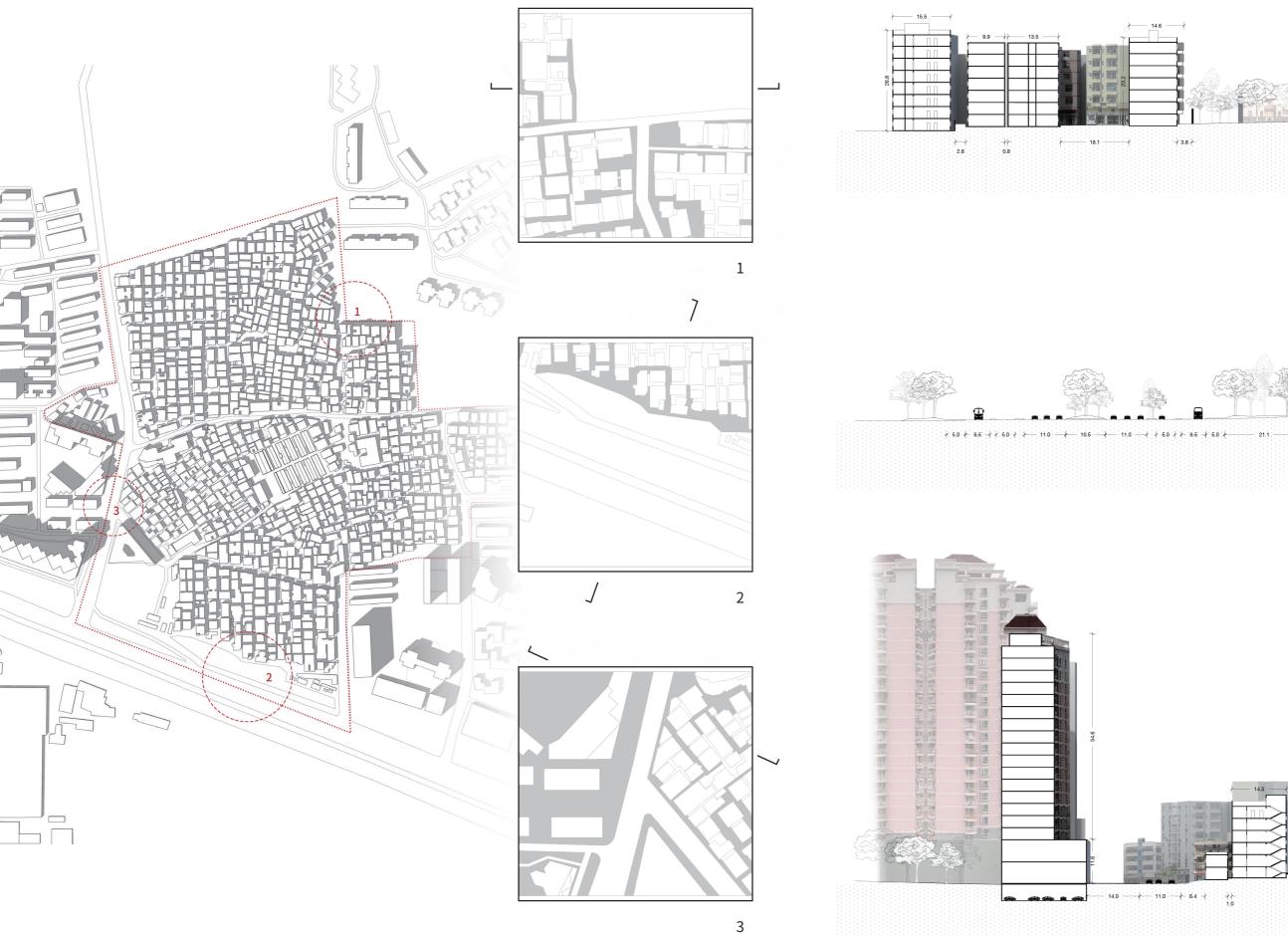


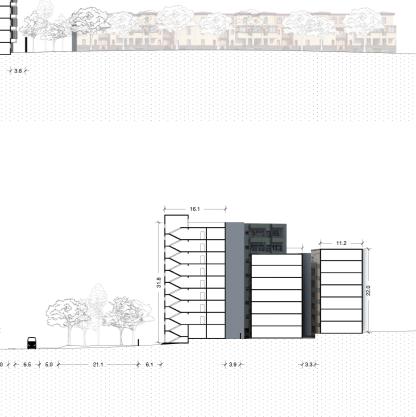
SECTION 2-2

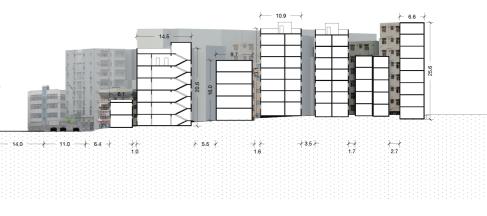
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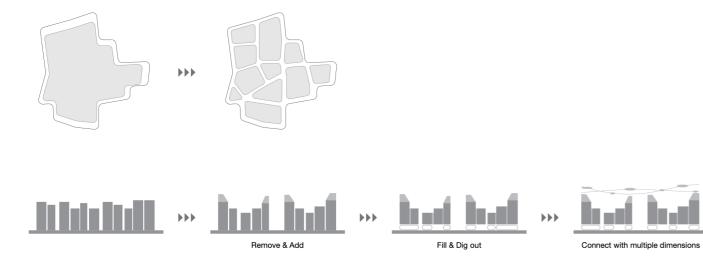
Site Reading

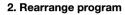






1. Reconstitute structure

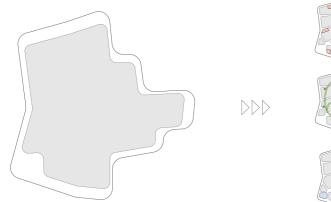


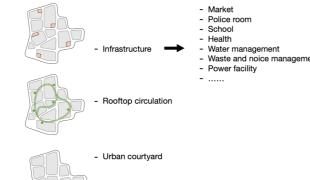


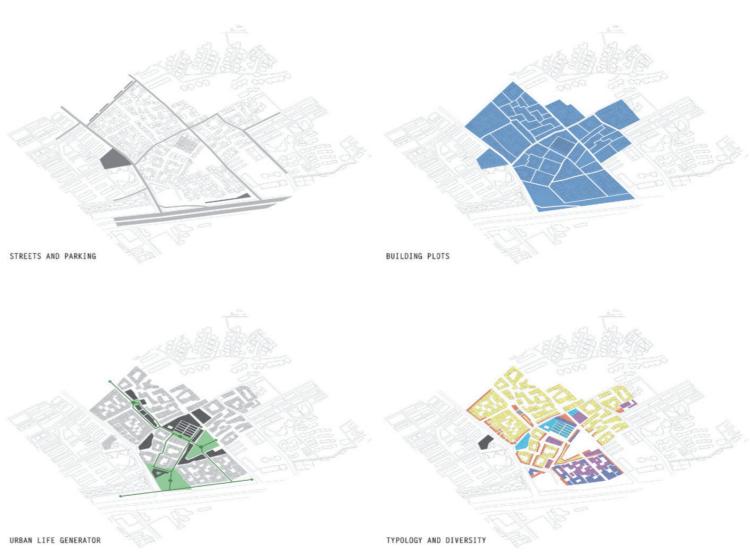


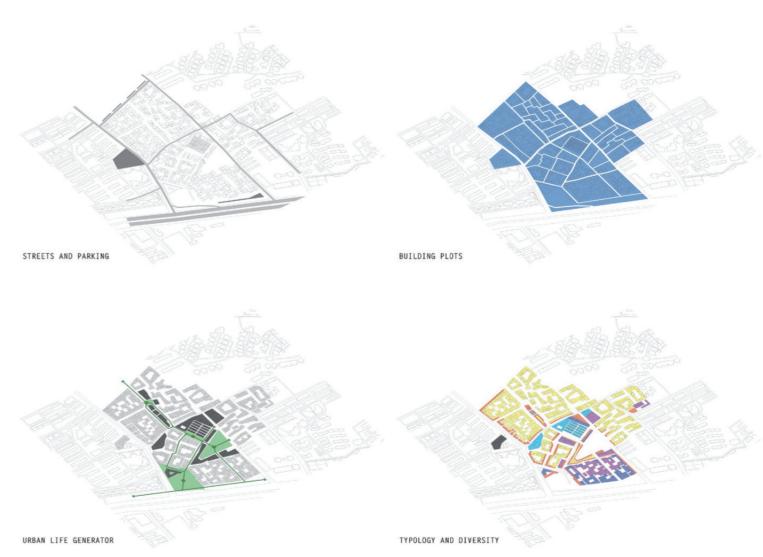


3. Energize the system

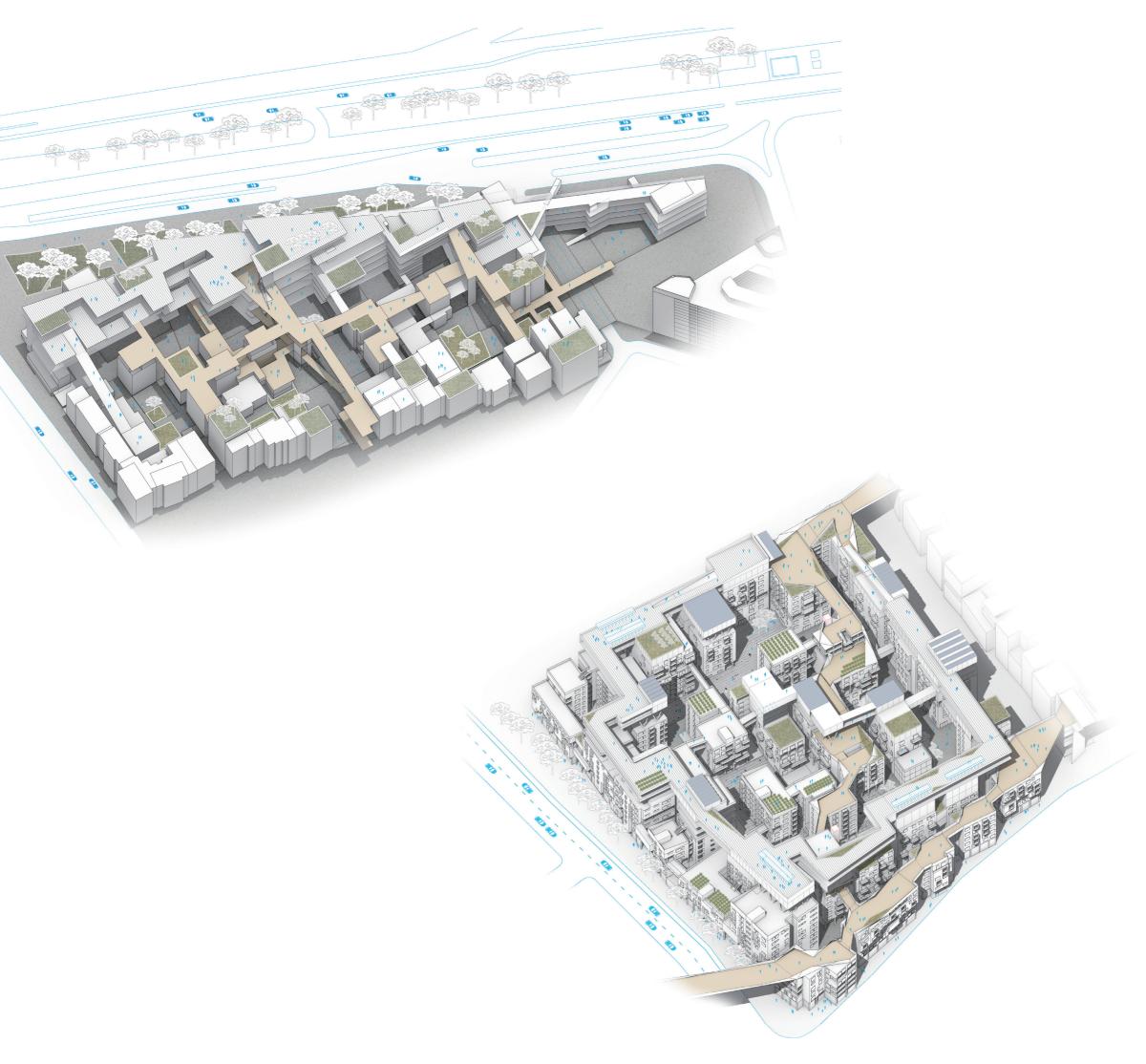












PART III PROJECT DESIGN

In part III, the content will focus on deepening the architectural scale design based on the methodology derived from the research results. It includes a comprehensive community unit and a complex along Shennan Avenue that integrates office, commercial and public activities.

The design will show the more detailed evolutionary logic of different types of buildings on the site and the imagination of urban life in the future.

