

# Research on the Intensive Layout of Industrial Space under the Background of Qianhai Cooperation Zone Expansion

Xi Pei

School of Foreign Languages and Business, Shenzhen Polytechnic, Shenzhen 518055, Guangdong China

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**Abstract:** The extension of the Qianhai Cooperation Zone has alleviated the shortage of land in Qianhai to some degree, providing unprecedented prospects for the growth of industries in the area. After expansion, however, the Qianhai Cooperation Zone is still responsible for this enormous strategic task in terms of unit area. This paper formulates the direction of intensive residential development of the Qianhai industrial space development model, particularly in four senses of modern advantageous service industry upgrading.

**Keywords:** Qianhai expansion ; Industrial distribution; Development direction

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## 1. Introduction

The development of Qianhai Cooperation Zone has risen to a national strategic position. In this paper, we analyze the overall industrial layout of Qianhai under the secondary background, discuss the four directions of upgrading the modern service industry with the advantages of Qianhai.

## 2. Industrial layout considerations after Qianhai's expansion

The expansion zone of Qianhai includes not only the core zone of Bao'an, but also major areas such as Xixiang, Dachan Bay, the Convention and Exhibition New City. The high-quality industrial foundation of these areas has greatly enhanced the high-quality development space of Qianhai's industry. The high quality development of Qianhai's expansion must therefore be viewed from a higher industry-based perspective.

Firstly, Bao'an District is the largest beneficiary of this expansion. Baoan regions along the Yangtze River are fundamentally incorporated into Qianhai, making up 80% of the total area of expansion. In June 2021, as part of Shenzhen's urban core area expansion plan, the Xin'an and Xixiang streets of Baoan were included. As a result of this expansion, four streets will enter into Qianhai and becoming Shenzhen's "urban core area".

Secondly, the areas of Xixiang, Dachan Bay, Convention and Exhibition New City, Ocean New City, and others are included in Qianhai. Each of these areas can be found to have a good industrial base and planning, and the layout includes emerging maritime industries, high-end airport service industries, the aerospace industry, as well as future industries such as the next generation of information technology and the smart equipment industry, will help the high quality development of industries in Qianhai Cooperation Zone.

Thirdly, the area of the airport is included in Greater Qianhai region, which is a crucial part of the high quality development of Qianhai. International transport links provide an important foundation for deepening openness. Following the inclusion of the airport and surrounding high-speed rail nodes in Qianhai, qianhai Cooperation Zone will have a more comprehensive transportation network, as well as the formation of an airport and seaport.

Fourthly, the two main areas of Convention and Exhibition New City + Ocean New City are included within Big Qianhai. The

area has a large land reserve, a high starting point for planning, and an enormous amount of development space, which will have an enormous impact on the economic development and urban structure of the whole Qianhai region. The new exhibition town covers an area of nearly 23 square kilometres, including the well developed Shenzhen International Convention , with a surface area of about one third of the Futian District volume.

### 3. Four Directions Of Upgrading Of Modern Service Industry In Qianhai

#### 3.1 Implement The “1 + 5” Management System

In order to optimize the industry operation platform, improve the department setting and division of labor, strengthen the platform staffing, “Administrative Measures for Qianhai Shenzhen-Hong Kong Youth Dream Workshop (Interim)” make rules about the entrepreneurial enterprises into the park management guidelines, cooperation agency management guidelines, rental management guidelines, fee standards, supporting agreement and other five specific supporting operation guidelines, promote the former sea before port youth dream works park management standardization and institutionalization.

Develop a smart park management system, improve the operation informatization level of various industrial parks in Qianhai. For example, develop a collaborative digital platform to jointly develop the smart park management system, and customize the park business ERP system according to the specific business needs such as park operation, investment attraction, industrial service and property management.

#### 3.2 Upgrade The Business Incubation Bases

To help a large bay area of Guangdong youth to realize entrepreneurial dream, create a “dominated by incubation park, cooperation institutions as the main body” of collaborative entrepreneurship service mode, the introduction of IDG, Hong Kong X kechuang platform, green exhibition (macau), Po hui (Taiwan) and other well-known professional incubation platform institutions, establish high quality incubator cluster.

At the same time, About Supporting The Development Of Hong Kong And Macao Youth In The Sea Measures”“Detailed Rules for the Implementation of Special Funds for Supporting the Development of Innovation and Entrepreneurship carriers in Qianhai Shenzhen-Hong Kong Modern Service Industry Cooperation Zone (Trial) “and other policies to formed with the characteristics of Qianhai innovation entrepreneurship support policy system (see table 1), covering Qianhai’s space, incubator, accelerator, science and technology industrial park. It provides all-round policy support for the operation and development of entrepreneurial teams, especially those from Hong Kong and Macao, and incubators, gathers world-class entrepreneurial resources and high-quality services.

Table 1 Index of Qianhai supporting innovation and entrepreneurship carriers

accounting index	Entrepreneurship space	Incubator	Accelerator	Science and technology industrial park
The funded operating space area in Qianhai is not less than(M <sup>2</sup> )	300	1000	6000	20000
The usable area for the settled project is not less than the operating area(%)	60	70	75	—
Enter in the project team or enterprise for 3 months or more	10	10	15	50
The settled enterprises have authorized or declared no less than the invention patents every year	0	10	15	40
Newly settled enterprises (not less than 1 million) with social (including operating institutions) financing are not less than every year	0	2	3	5
The graduated enterprise shall not be less than / graduated enterprise before the sea for the registered and actual operating enterprise is not less than	0	0	3 /50%	10/60%

#### 3.3 Bonded port area upgrade service

“Outlines of the Development Plan for the Guangdong-Hong Kong-Macao Greater Bay Area” “Opinions on Supporting Shenzhen in Building a Pilot Demonstration Zone for Socialism with Chinese Characteristic”, to formulate industrial development plans for the bonded port areas. “The Industrial Development Plan of Qianhai Bay Bonded Port Area” propose “one leading

industry and four supporting industries” is proposed, focusing on the development of emerging industries such as supply chain, “bonded +” financial leasing, research and development, exhibition and transaction, etc. Qianhai focuses on developing emerging industries such as supply chain, “bonded +” financial leasing, research and development, exhibition and transaction, and building a model of trading power.

In terms of improving and optimizing the environment of the bonded port area, Qianhai promotes the 5G coverage of the bonded port area, improved and adjusted the bonded port area allocation system, cross-border e-commerce import system, and cross-border e-commerce export system; adding lighting facilities, improving the ground of the square in the gate, increasing the guidance signs in the park, adding personnel, and increasing temporary road dust in the park. Before sea special area policy research, in the standard Shanghai “special comprehensive bonded zone” system, on the basis of play to the unique advantages of deep port cooperation, on the basis of full implementation of comprehensive area system and policy, optimize the sea bonded area business process, implement cooperation with Guangdong depth of customs supervision system, an internationally competitive tax system and trade system.

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### **3.4 Promote the innovation and application of the supply chain**

Qianhai Cooperation Zone shall explore a tripartite contact mechanism of “government-association-pilot enterprises”, give play to the role of industry association, the three parties to excavate and screen and import the key enterprise database in the zone, form a pilot promotion mechanism of “market leading, association guidance, government service”, build a communication platform between government and enterprises, deeply participate in the construction of industry standards, promote the optimization of supply chain service quality. Local standards of Shenzhen city were drafted by Qianhai Administration Bureau, as “Quality Requirements (SZDB / Z296-2018)” “Evaluation of Green Supply Chain Enterprise (DB4403 / T10-2019)” “Control and Evaluation of Financial Risk of Supply Chain Enterprises (DB4403 / T11-2019)” and so on. These rules are the first in the industry field.

Secondly, Qianhai to strengthen the industry development and supporting policy research. Before the sea jointly with professional institutions to carry out the modern logistics and supply chain industry development policy research, put forward “a hub center” (international logistics hub, asia-pacific supply chain service center, new international trade center and international high-end shipping service center) overall target positioning, key development areas and path, to clear before the sea supply chain high quality development direction and policy to provide important guidance.

Third, to carry out the logistics industry monitoring and analysis. Qianhai refers to the national statistical method of logistics industry, designs scientific statistical indicators according to the actual situation and characteristics of Qianhai, collects the statistical data of enterprises quarterly, and establishes a sample database.

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