

# Research on the Development Countermeasures of Guiyang National Economic and Technological Development District

Qiulin Chen<sup>1, a</sup>, Shenghua Jia<sup>2, b</sup> and Bo Wang<sup>2, 3, c</sup>

<sup>1</sup>Party Committee Administrative Office, Guiyang Economic and Technological Development District, Guangzhou 510000, China

<sup>2</sup>School of Education, Guiyang Preschool Education College, Guangzhou 510000, China

<sup>3</sup>School of Education, SEGi University, Kuala Lumpur 50000, Malaysia

<sup>a</sup>498986359@qq.com, <sup>b</sup> 519892308@qq.com, <sup>c</sup> psywangbo@163.com

## Abstract

**In the face of the new normal of economic development and China entering a new era, the development of Guiyang National Economic and Technological Development Zone must keep pace with the times, coordinate the promotion of the "five-in-one" overall layout and the "four comprehensive " strategic layout, and keep the Ecology and development are the two bottom lines, further improve overall planning, improve management systems and policy systems, promote institutional innovation, and form a new driving force for economic growth.**

## Keywords

**Economic and Technological Development Zone; Integration of industry and city; Economic development.**

## 1. Introduction

With the continuous expansion of China's reform and opening up and the continuous improvement of the domestic market economy, China's economy has played an increasingly important role in the globalization of the world economy. Under the influence of anti-globalization and trade protectionism, China's economy has declined. It has entered a new period of speed-up and shift, structural adjustment, and transformation of old and new kinetic energy. China's economic development has entered a new normal, from high-speed growth to medium-high speed. Growth has shifted from the pursuit of economic speed to the pursuit of quality and efficiency. The economic structure has been continuously optimized and upgraded, from factor-driven and investment-driven to innovation-driven. The state proposes to actively adapt to the new normal of the economy, take the supply-side structural reform as the main line, and promote the three major transformations of "quality, efficiency, and power" in the economy: innovation and competitiveness. In terms of the management and development of the development zone, the State Council further proposed that the reform and innovation of the development zone should be accelerated, the system, mechanism, and planning layout should be improved, and the advantages of concentration and function should be enhanced, and economies of scale should be brought into play.

## 2. Optimizing the Spatial Layout and Promoting The Integration of Industries and Cities

Committed to creating "intensive and efficient production space, livable and suitable living space" as the goal, vigorously promoting the integration of space elements, optimizing the space layout, and further consolidating the construction of infrastructure, the comprehensive service

function tends to be improved. The connotation and quality of the development zone are comprehensive. Promote.

### **2.1. Optimize the functional layout of the park and enhance the urban connotation**

three major industrial clusters of advanced manufacturing, big data industry, and modern service industry; strengthen the construction of transportation networks, accelerate the construction of supporting functional areas, and promote industrial areas, residential areas, commercial areas, and leisure and entertainment areas. Integrated development, high-level planning of the industrial layout, functional sectors, landscape highlights, commercial facilities, roads, water, electricity, gas, communications, network, and other construction of the park, leading the construction of the park with high-standard planning. Taking the industrial heritage and cultural center of the old city in the north, the ecological leisure service center on the south side of the Aha Reservoir in the west, and the big data and technological innovation service center in the south as the carrier, it will build a livable living area in the old city in the north, Xiaomeng ecological industry development area in the south, and Jinzhu in the west. Ecological Livability and Emerging Service Area and Northwest Aha Ecological Reserve. Use the urban "three changes" model to promote the renovation of shanty towns in the park, the renovation of old residential areas, the construction of urban complexes and commercial buildings, and improve the living environment. Focusing on technological innovation, building economy, headquarters economy, business services, and modern commerce and trade, it will become a concentrated display area for high-end and emerging service industries. Integrate core functions such as high-end resorts, living towns, performance shows, experiential tourism, fashion blocks, theme parks, and health care, and build a 10,000-mu pastoral complex in Chenliang Village, Bahuo Village, Menai Village, Yangzhong Village, and other areas improve the environment of the park in an all-round way.

### **2.2. Improve the efficiency of intensive land use and promote the creation of "policy extension areas."**

Focus on reviewing indicators such as investment intensity and output per mu to achieve economic and intensive use of land and maximize the use of resources. Continue to make great efforts to revitalize the idle land and factories in the park, and improve the utilization efficiency of existing land in various ways according to local conditions. According to the spatial layout of "1+4+N", with the Economic Development Zone as the core, the four areas of Shibao, Mengguan, Yanlou, and Maling will be integrated to give full play to the location, land, industry, resources, environment, policies, Capital, projects and other existing advantages, adhere to policy exchange, resource sharing, collaborative construction, and differentiated development to form several policy coverage areas. At the same time, Guli, Qingdao, and other places are reserved for industrial development. Give full play to the role of optimal allocation of resources, build a platform for win-win cooperation, and fully promote the policy extension area of "effective governance, innovative development, resource sharing, urban and rural planning, and win-win cooperation " with an "enclave economy" comprehensive management and cooperation system model building.

## **3. Promote Industrial Transformation and Upgrading and Build A New Modern Industrial System**

Following the development idea of taking leading enterprises as the platform, relying on major projects, and taking the industrial chain, industrial clusters, and industrial bases as the carrier, five emerging industries such as intelligent terminals, unmanned driving, biomedicine, new energy vehicles, and high-end medical equipment are developed. In terms of industry,

resources such as talents, Capital, technology, and land are highly concentrated, aiming at building a strategic emerging industry agglomeration development base with international and international competitiveness and striving to become a world-class emerging industry cluster and a national-level industry cluster. The main force was accelerating the realization of high-end, green, and intensive industrial development.

### **3.1. Transforming traditional industries and cultivating emerging industries**

Guided by big data, accelerate the promotion of scientific and technological innovation, take the construction of the "Made in China 2025" national-level intelligent manufacturing demonstration zone as the goal, strengthen the pilot construction of intelligent manufacturing, focus on the integrated development of informatization, industrialization, big data, and the real economy, and promote the enterprises in the Intelligent jurisdiction transformation, to create the "smart manufacturing" brand of Jingkai, and realize the transformation and upgrading of traditional industries to digital, networked, intelligent and green ecological industries. Promote the construction of projects such as the "Industrialization Base for Military-Civil Integration Key Basic Components" of the Tenth Academy of Aerospace Engineering, the "Technical Transformation of Thin Cigarettes" at the Guiyang Tobacco Factory, and the "Auto Parts Casting Joint Venture Project" of Aviation Electric Motors, and achieve above-scale projects by 2020 The transformation and upgrading of traditional industrial enterprises have been fully completed. Continue to promote the development of emerging industries such as big data, strive to cultivate big data core formats, related formats, and derivative formats, optimize the economic structure, improve the speed and quality of the development of the digital economy, accelerate the deep integration of big data and the real economy, and promote big data to become a regional economy—a new important engine of development. Adhere to the implementation of industrial circular combination and park circular transformation, support and encourage enterprises to implement cleaner production, reduce energy consumption and pollutant emissions, and use big data technology to build a supervision platform to achieve precise management of emissions and promote the industry to green, low-carbon and high-efficiency Transformation and upgrading to put a green label on the industrial economy.

### **3.2. Give full play to resource advantages and promote the development of industrial clusters**

Focus on profitable industries such as aerospace, electronic information, automobiles and parts, tobacco medicine, emergency equipment, big data security, digital logistics, etc., build industrial clusters, actively introduce upstream and downstream enterprises, continuously extend the industrial chain, widen the industrial scope, and gradually Extend to the high-end of the value chain and innovation chain, change the scattered, small and chaotic situation, and realize the agglomerated development, scale development, economic development and coordinated development of the industry. To strengthen the backbone and leading enterprises with both representative and strong core competitiveness, focus on brand building, promote the formation of a group of distinctive "single champions," strengthen the agglomeration effect of leading and backbone enterprises, and build industrial clusters in the pilot fleet. Increase the support to Chery Wanda, Truck Bang, aerospace electrical appliances, aviation motors, and other enterprises, and give preferential policies in terms of funds and land taxation, and gradually form a good trend of leading enterprises standing tall and small and medium-sized enterprises blooming everywhere.

## **4. Strengthening Ecological Protection and Promoting the Construction of Eco-Industrial Parks**

### **4.1. Strengthen ecological environment protection and construction**

Implement the strictest ecological red line protection system, make great efforts in the construction of regional ecosystems, lakes and rivers, and wetlands, and make great efforts to speed up the construction of ecological industrial parks. Continue to promote ecological greening and lead actions, focus on constructing and transforming ecological scenic spots, and make forests, wetlands, lakes, and parks the bright business cards of urban ecological landscapes. Strengthen the protection of water bodies, establish and improve the water body protection and damage punishment system, conduct regular ecological and environmental safety assessments, and implement rectification measures promptly.

### **4.2. Strengthen pollution prevention and control**

Focus on prevention and combine prevention and control, and speed up the construction of environmental protection facilities in parks such as domestic waste treatment plants and industrial slag yards. Promote the comprehensive management of river reconstruction in an orderly park manner. Actively do a good job in the construction of disposal sites in the park, and build a fully functional, efficient, and reasonable garbage resource recycling and treatment system. Improve the level of pollution prevention and control in industrial enterprises. Good source management, strict project approval, good project access, strict elimination of "buying tickets after getting on the bus," "high-consumption and high-energy pollution projects, and promoting green economic development.

### **4.3. Promote low-carbon circular development**

Build an institutional environment for circular development, encourage enterprises to use clean energy, and reduce solid waste emissions. Increase subsidies for reclaimed water reuse in industrial enterprises, firmly grasp the "three wastes" pollution control and not relax, and make efforts in environmental protection management reform and environmental supervision to achieve a new level.

### **4.4. Implement the park environment improvement project**

Pay attention to the protection of cultural relics, strengthen humanistic care, strengthen environmental governance in key areas such as urban-rural fringes, shanty towns, senior communities, etc., and create a group of new types of communities with distinctive features, beautiful environments, complete functions, and orderly management. Combined with the implementation of high-end commercial projects such as the transformation of urban shantytowns and the introduction of Fumei villages, the landscape along the road will be upgraded and reconstructed, and a scientific and long-term system and the mechanism that combines management and control will be established. Accelerate the co-construction and sharing of big data and the development and construction of pastoral complexes, digital economic towns, digital logistics towns, Wanda Commercial Plaza, and other projects, and further form a development environment that is technologically led, civilized and peaceful, livable and business-friendly, and ecologically harmonious.

## **5. In-depth Implementation of The Innovation-driven Development Strategy to Further Enhance the Park's Innovation System**

### **5.1. Vigorously Enhance The Construction Of Innovation And Entrepreneurship Platform**

Give full play to the main role of the market, and attract several low-cost, complete elements and open technology innovation and entrepreneurship platforms to settle in the park with policy dividends and capital attraction. Establish and improve the technological innovation system, highlight the main role of enterprises in the investment, activities, and application of achievements in industrial and technological innovation, adhere to market orientation, and promote collaborative innovation in the combination of government, industry, academia, research, and military-civilian integration.

### **5.2. Strengthen the Supporting Construction of Innovative Incubators**

Strengthen the introduction and cultivation of production service industries such as science and technology finance, science and technology intermediary, and industrial design. Increase investment in resource integration of spare workshops, office buildings, and courtyards, accelerate the formation of several innovative incubators, and provide entrepreneurial teams and enterprises with low-cost, convenient, and full-factor entrepreneurial physical space. At the same time, centering on new industrial development trends such as "Made in China 2025", "Internet +," and "Big Data and Security," a group of high-tech, high-growth companies will be selected, and through the incubation model of "technology + venture capital + market," Cultivate innovative and entrepreneurial enterprises with cutting-edge technologies and new business models.

### **5.3. Formulate and Improve Policies and Measures For Innovation and Entrepreneurship**

Formulate, revise and introduce policies and measures that align with the reality of innovation and entrepreneurship in our district and implement them effectively. Through policies, we will further improve the investment environment for innovation and entrepreneurship in our district and create a good atmosphere for innovation and entrepreneurship.

### **5.4. Strengthen the Construction of An Innovative Talent Team**

Implement the talent improvement project to build a characteristic provincial equipment industry talent base, and focus on strengthening the training of big data security talents. Encourage the establishment of key laboratories, academician workstations, "Thousand Talents Program" expert workstations, post-doctoral research workstations, training bases for skilled personnel, various maker spaces, and technology incubators. Utilize valuable resources such as the National Information Security Center, Zhongguancun Industry Alliance, and China Cryptography Association, and cooperate with local universities and key vocational colleges to promote the training and training of basic security talents and carry out network security science education.

## **6. Deepen the Reform of The System And Mechanism, And Strengthen the Construction of Service Capacity**

### **6.1. Deepen the reform of the management system**

The Guiyang Economic and Technological Development Zone's management model is the "economic development zone + administrative district." In terms of leadership mechanism, the secretary of the Party Working Committee of the Economic Development Zone and the secretary of the Huaxi District Party Committee have the positions of both; the leaders of the

Huaxi District Party Committee and some government leaders serve alternately in the Economic Development Zone, in charge of relevant social affairs, which solves the problem of the lack of leadership in the Economic Development Zone. The problem of fewer people and more tasks has greatly promoted the improvement of administrative efficiency and reduced the administrative cost of the development zone. The Economic Development Zone and Huaxi District should continue to deepen the reform of the management system, integrate relevant resources, establish a streamlined and efficient operation mechanism, and make overall plans to promote the coordinated development of politics, economy, culture, society, and ecology in the two districts. At the same time, Guiyang Economic and Technological Development Zone can also streamline administration and delegate power, introduce the mode of approval and management by industry associations and intermediary organizations, simplify the scope of government approval, increase social participation, train new carriers, and optimize resource allocation.

### **6.2. Deepen the reform of the administrative examination and approval system**

We will further promote the reform of delegating power, regulating services, and improving the environment for government services. Vigorously implement the registration system of "integration of multiple certificates, one license, and one code," and following the principle of "who approves, who is responsible, who is in charge, which supervises," refine the administrative list, improve the approval process, increase law enforcement supervision, streamline administration and delegate powers. Optimize the foreign investment access system, implement scientific, efficient, and legal-friendly investment approval procedures, and build a business system that aligns with international standards. Strengthen scientific and technological innovation, build an online approval platform utilizing electronification and networking, and implement "sunshine government affairs" services and the level of administration according to law.

### **6.3. Deepen the reform of the personnel system**

Deepen the reform of the employment mechanism and system, establish and improve the employment mechanism that puts morality first, combines both ability and political integrity, selects and hires, can be up and down, and makes great appointments; pay attention to training, training and daily assessment, and improve the overall quality of the administrative team.

### **6.4. Improve the assessment system**

Speed up the research and formulation of the comprehensive assessment index system for the Guiyang National Economic and Technological Development Zone. Link the indicators of newly added construction land in the development zone, in- place project funds, regional planning adjustments, appointment of leading cadres, system and mechanism innovation, etc. with the assessment results, pay attention to the assessment results and the supervision of the assessment process, implement the final elimination system, and strengthen the entry and exit mechanism. Build.

## **References**

- [1] Changchun Economic and Technological Development Zone Policy Investigation and Research Office, Talking about the Innovation of Management System in Economic and Technological Development Zone [J]. "Economic Perspective", No.7, 2002.
- [2] Yao Lianfang. Thinking on the reform and innovation of the industry-city integration system and mechanism in Xincheng New District [J]. "Reform and Strategy," No. 7, 2016.
- [3] Zhen Feng, Gu Chaolin, Zong Yueguang. Research the practical orientation of urban development zones under the revitalization strategy of old industrial bases [J]: human Geography, No. 5, 2005.

- [4] Shen Danyang. China builds a new system of an open economy and promotes the construction of an open world economy [J]. " World Economic Research, "2017, No. 12.
- [5] Gao Mei. The experience of foreign industrial park construction and its enlightenment to Jiangxi [J]. " Science and Technology Plaza, "No. 4, 2008.
- [6] Zuo Xuejin. Comparison and Experience of Development Zone Models at Home and Abroad: A Typical Case Study [J]. " Social Science," 2008, No. 9.
- [7] Li Shuang, Na Yulin. A review of industrial park layout research [J]. " Yinshan Journal (Natural Science Edition), "2015, No. 3.
- [8] John Sargent, Linda Matthews. Combining Export Processing Zones and Regional Free Trade Agreements: Lessons from the Mexican Experience [J]. World Development, 2001, 29(10): 1739-1752.
- [9] Sean. C, Kirk. K. Innovative Cities in China: Lessons from Pudong New District, Zhang Jiang Hightech Park, and SML C Village [J]. Innovation Management, Policy & Practice, 2008, 10(2/3): 247.257.