

## **General Introduction of Industry and Industrial Parks of Qingdao**

### **1. General Introduction of Industry of Qingdao**

In 2012, Qingdao issued the "Implementation Opinions on Accelerating the Development of Industrial Chains of Ten Hundreds Billion Classes in Qingdao Industry," including ten items for home appliances, petrochemicals, clothing, food, machinery and equipment, rubber, automobiles, rail transit, marine engineering, and electronic information. Industry, according to the implementation opinion, Qingdao strives to reach 2016, the total industrial output value of the industrial enterprises above the scale of the Shijiazhuang-Qiban industrial chain will double in 2011. The industrial output value of enterprises above the designated size of the industrial chain of the scale of ten hundred billion yuan will strive to reach 80% of the total industrial output value; the total industrial output value of five industrial chains such as rubber, automobiles, rail transit equipment, ship marine, and electronic information will reach or approach 1,000 100 million yuan.

In 2014, there were 2994 industrial enterprises above designated size in the industrial chain of RMB 100 billion. The output value of the six industrial chains of machinery and equipment, food, petrochemical, household appliances, electronic information, and apparel exceeded RMB 100 billion, of which, the rail transportation equipment achieved a rapid growth of 37.2% (59.84 billion Yuan), machinery and equipment (up 16.8%), home appliances (up 15.3%), ship offshore (41.17 billion yuan, up 14.8%), electronic information manufacturing (56.08 billion yuan, up 13.9%), etc.

The increase of more than % has become a new growth point driving the industry; the three industrial chains such as automobiles (77.74 billion yuan, an increase of 8.1%), food (a growth of 7%) and rubber (77.01 billion yuan, an increase of 8.6%) have grown steadily; Slowdown (up 1.8%), the transformation effect is good; the petrochemical industry chain is affected by the superposition of domestic overcapacity, corporate relocation and production interruption, etc., production declines by 1.4%, and software industry revenue has increased from 39.7 billion yuan in 2011 to 1045 in 2014. Billion yuan, an average annual increase of 38%, the total catch up with Xiamen, Xi'an, Wuhan and other cities, ranked 9th in the sub-provincial cities. The total industrial output value of the 10 billion-level industrial chain has grown from 953.2 billion yuan in 2011 to 1.26 trillion yuan (excluding software) in 2014, an average annual growth rate of 11.5%, and has contributed 65.7% to the city's industrial growth rate. It has become Qingdao industry "backbone."

In 2016, the city's top ten industrial enterprises with industrial scale above the scale of 100 billion yuan completed an output value of 1,384,020 million yuan, an increase of 6.4% year-on-year, accounting for 75.7% of the city's total output value of industrial enterprises above designated size, making Qingdao a competitive power for the nation's manufacturing industry. Ten-billion-dollar industrial chains have boosted Qingdao's industry as a whole. There are more than 4,800 industrial enterprises above designated size in Qingdao.

## **2. General Introduction of Industrial Parks of Qingdao**

### **1) Blue Silicon Valley of China**

It is located on the north bank of Laoshan Mountain, on the shore of the Yellow Sea, and on the bank of Jimo Aoshan Bay. The total planned land area is 443 square kilometers. It is a high-tech R&D and high-tech industrial

cluster featuring oceanography. It is committed to improving the level of understanding of the ocean and the development of marine resources, and creating an international ocean of innovative highlands to support China's ocean power strategy. The Outline of the National Thirteenth Five-Year Plan of Development clearly puts forward the “building of a marine economic development demonstration zone such as Qingdao Blue Valley”, becoming the fifth demonstration base for scientific and technological development of the sea in the country, and positioning it as the “Blue Valley Regional Innovation Center in Shandong Province”. The National Institute of Marine Science and Technology, the National Deep Sea Base, the National Ocean Equipment Quality Inspection Center, and other state-owned scientific research institutes have been introduced, and 17 key universities and colleges such as the Qingdao University of Shandong University, Beijing University of Aeronautics and Astronautics, Tianjin University of Ocean Engineering Research Institute of Tianjin University and There are 20 research institutes, and more than 3,900 people have been recruited full-time or flexible. Among the projects that have settled, Ocean National Laboratory ranks among the forefront of the World Ocean Science and Technology Research Center. The depth of the submersibles of the “Dragon” has reached a world record. The “Haiyan” water slides down the foreign technology blockade and monopoly, and the ocean temperature difference can generate electricity. The world's leading technology, marine aquaculture technology leads the world. Among the talents introduced, there are 63 academicians from the two institutes, 32 from the National Thousand Talents Program, 37 from the Taishan Scholars and Taishan Scholars, and one third of the total number of talents with doctoral degree or above.

2) Qingdao West Coast New District

Qingdao West Coast New District is the ninth national-level new district approved and approved by the State Council. It will be supported by advanced manufacturing industries and high-end service industries. It will upgrade six pillars of shipping logistics, marine engineering, home electronics, automobile industry, machinery and equipment, and petrochemicals. Industry, nurturing ten new emerging industries such as new generation information technology, marine biology, energy conservation and environmental protection, new materials, tourism and vacation, general aviation, technological services, cultural and creative, blue finance, and life and health, building film and television industry, port trade, yacht cruises , military-civilian integration, featured agriculture, green food processing and other six specialty industries. The country's important transit base for strategic materials such as iron ore, crude oil, rubber, and cotton, and the largest liquefied natural gas receiving base in northern China.

3) Qingdao Hi-tech Industrial Development Zone

In November 1992, it was approved by the State Council. To coordinate the development and construction of the main park in the northern part of Jiaozhou Bay and coordinate the guidance of Qingdao Hi-tech Park, Qingdao New Technology Industry Development and Experimental Area, Qingdao Science and Technology Street, Shinan Software Park, Blue Silicon Valley Core Area, Marine Science and Technology Innovation and Achievement Incubation Zone and Qingdao (Jiaonan) The construction of a pilot area for new technology industry development has resulted in a development pattern of "one district and multiple parks." In 2016, the Shandong Peninsula National Independent Innovation Demonstration Zone was approved.

Qingdao High-tech Zone officially entered the ranks of the national self-creation zone. Among them, the main park in the north of Jiaozhou Bay in the High-tech Zone adheres to the “blue, high-end and emerging” industry orientation and strives to create software information industry, medical and pharmaceutical industry, intelligent manufacturing and new materials industry, Internet industry, financial industry and high-end service industry. Big leading industry system. It won the national first national demonstration of ecological civilization, national smart city pilot, national industrial ecological demonstration park and other national honorary titles, was approved six national-level industrial demonstration bases, "innovative industrial organization innovation demonstration project" was technology The Ministry was included in the "Entrepreneurship China" action plan.

- 4) Wealth Management Financial Comprehensive Reform Test Area Qingdao is the state-level wealth management and financial comprehensive reform pilot zone agreed to by the State Council. It undertakes the mission of trying ahead and exploring the development path of wealth management with Chinese characteristics. We will focus on building wealth management institutions gathering centers, market function centers, product and service innovation centers, education and scientific research centers, and high-end business activity centers. We will actively build a wealth management system with Chinese characteristics and accelerate the establishment of an international wealth management center city. Acquired 60 pre-emptive policies such as the opening up of the financial sector, the establishment of cross-border investment and financing, and the establishment of new types of financial institutions granted by relevant state agencies, the nation’s first foreign wealth management company, and the first international investment

loan fund registered under the word “RMB”. Other professional wealth management institutions with exemplary significance gathered and developed, and 13 banking institutions set up headquarters in Qingdao to establish private banks. Every year in mid-June, an international wealth management event, the China Fortune Forum, is held in Qingdao. The influence of the “Fortune Qingdao” brand continues to increase. In 2016, Qingdao was selected as the global financial center and ranked 46th.

5) Hongdao Economic Zone

Established in May 2012, including the main park in the north of Jiaozhou Bay in Qingdao High-tech Zone and the two sub-district offices in Hetao and Hongdao. On the basis of the main park in the north of Jiaozhou Bay, Qingdao High-tech Zone, which was initially built, it will drive around more than 160 square kilometers. Regional coordination and development. Fully implement the requirements of the 12th Municipal Party Congress to “build a viable city”, speed up the promotion of comprehensive city functions, comprehensively promote the construction of municipal-level key public service projects, seal the main body of Qingdao middle school and citizen fitness centers, and rehabilitate people’s health centers and disabled persons. Four projects, including the Center, Science and Technology Museum, Eye Hospital, Jinan-Qingdao High-speed Railway, Qinglian Railway, and Hongdao Junction Station, were started to build a beautiful Qingdao demonstration area, a pioneering zone for innovation and entrepreneurship, and efforts were made to establish an independent innovation demonstration zone and the entire city in Shandong Peninsula. "Three Centers and One Base" are at the forefront in the construction.

6) Qingdao Economic and Technological Development Zone

Located on the west bank of Jiaozhou Bay and approved by the State Council in October 1984, it is one of the first 14 coastal state-level development zones. Nine universities and colleges, including Shandong University of Science and Technology and China University of Petroleum, have built three state-level industrialization industrial demonstration bases and national shipbuilding export bases for home electronics, marine and marine engineering, software and information services, and are the largest in northern China. The home appliance production base and mini vehicle production base are the service outsourcing demonstration bases in Shandong Province, the national advanced areas for scientific and technological progress assessment, and China's top ten most potential investment potential development zones. The comprehensive economic strength and investment environment evaluation index ranks at the national level for nine consecutive years. Top five in the district.

7) Jiaozhou Economic and Technological Development Zone

It is located in the 15-minute traffic economic circle of Jiaodong International Airport, the multimodal customs supervision center, Qingdao Qianwan Port, land, sea and air. Focus on nurturing and expanding the high-end equipment manufacturing, Internet + modern service industry, aerospace and automotive manufacturing three hundred billion industrial chain, the region has Tsinghua University Institute of Logistics, Tsinghua University - North Carolina "double creation" base, Qingdao Institute of Xi'an Jiaotong University, Qingdao Branch of China Machinery Research Institute, Qingdao Institute of Shenyang Aerospace University. As of now, a total of 99 projects have been introduced, with a total investment of 116 billion yuan.

8) Qingdao Qianwan Bonded Port Area

It is located on the west bank of Jiaozhou Bay and was approved by the State Council on September 7, 2008. It has a total planned area of 65.73 square kilometers and 21 berths for berths. It has special policies such as “bonding, tax exemption, certificate exemption,” and “domestic customs clearance” and is a gathering and opening step. Bonded areas, export processing zones, bonded logistics parks, comprehensive bonded zones, and other open models of special customs supervision areas. The advanced docking in the port area implements the national regional coordinated development and the “Belt and Road” national strategy. It has established more than 20 economic cooperation zones at home and abroad to explore new experiences for implementing the national development strategy. Successfully approved the import of auto vehicles and national e-commerce demonstration bases, pioneered the commodity trading model for USD listed and bonded transactions, built the third largest natural rubber trading center in the world, and has three national-level key experiments in cotton, tires, and latex. The lab and two regional key laboratories, rubber and plastic, have established a testing laboratory for alcohol and food in Qingdao Qianwan Bonded Port Area, and achieved mutual recognition of AEO between China and South Korea.

9) Qingdao Dongjiakou Circular Economic Zone

Located at the southwest end of Qingdao, the project covers an area of 284 square kilometers and is divided into three sections: the port area, the industrial area, and Xingang City. In November 2013, the National Development and Reform Commission formally approved the “Overall Plan for Circular Economy Development in Dongjiakou District of Qingdao”. It will focus on building the national circular economy demonstration zone,

building the fourth-generation logistics trading port and the modern blue Xinang City's overall goal, and building a national bulk dry bulk distribution center, an important national energy storage and transportation center, a regional logistics center, and an international bulk Commodity trading center, state-level boutique steel base, new material base, cold chain logistics base, and high-end equipment manufacturing base.

10) National Software and Information Service Demonstration Base (Qingdao)

Implementation of the "East Park, West Valley, North City" software industry development layout. Taking Qingdao Software Science and Technology City as the main area and development area for the development of the software industry, the National (Qingdao) Communications Industrial Park and Qingdao Information Valley as important support areas, the City South Software Park, Qingdao International Animation Game Industry Park, Qingdao International Innovation Park, and Haier Information Industry Park, Hisense Group R&D Center, etc. as basic parks, focusing on the development of basic software, embedded software, industrial software and industry solutions, accelerating the development of information services and high-end service outsourcing industries, and cultivating the Internet of Things, cloud computing, and big data , emerging Internet, e-commerce and other emerging information technology services. IBM Software Technology Co-Innovation Center, Beidou (Qingdao) Navigation Location Service Data Center, Tsinghua-Qingdao Big Data Engineering Research Center, Qingdao-Huihe Software Global Big Data Application Research and Industry Demonstration Base, Amazon AWS Joint Innovation Center, etc. Industrial projects have been settled, Goethe, Inspur, Baidu, Huawei, ZTE and other enterprises have

carried out strategic cooperation. China Unicom, mobile and telecom operators have cloud computing data centers in three major telecom operators, and the park has settled in more than 500 companies. The development of software and information service industry will play a leading and leading role.

11) Qingdao Cross-strait Agricultural Cooperation Experimental Zone

It was approved by the Ministry of Commerce of the People's Republic of China (formerly the Ministry of Foreign Trade and Economic Cooperation), the Ministry of Agriculture, and the State Council's Taiwan Affairs Office in March 1999. The total planned area is 3,176 square kilometers, covering the entire city of Pingdu. The city ranks in the top 100 of China's comprehensive production of grain, oil, meat and fruit. It is the hometown of China's grapes, the land of peanuts, the land of ginger, and the land of beef cattle.

12) Sino-German Ecological Park

Located in the West Coast New District of Qingdao, the Sino-German strategic cooperation between the two countries. In July 2010, the Ministry of Commerce of China and the German Ministry of Economics and Technology signed the Memorandum of Understanding on Jointly Supporting the Establishment of Sino-German Eco-Park, and confirmed the establishment of a Sino-German ecological park in cooperation. The foundation stone was laid in December 2011. The planned area of the park is 11.6 square kilometers, which is included in the "Blue Peninsula Economic Zone Plan of Shandong Peninsula" approved by the State Council. It is centered on the development vision of "urban environment, green development, and good life". It upholds "ecology, wisdom to improve life, openness, and integration to improve quality." The concept of development is committed to ecological, green,

sustainable development, and strives to build an ecological, intelligent, and open China-Germany interest community.