

TIANJIN BASIC FACTS

2023



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2023

Tianjin Basic Facts



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Historical Origins

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Tianjin in Ancient Times

Tianjin is located on an alluvial plain that was formed after a marine regression. As early as the Paleolithic period, over 100,000 years ago, humans lived and reproduced in today's Jizhou District.

Over 4,000 years ago, the central urban area of Tianjin emerged from the sea. Later, the legendary emperor Yu the Great dug the Yuhe River, diverting water from the Yellow River into the sea through what is Tianjin today. Since then, the Yellow River has flowed into the sea through this area three times. Coupled with the joint action of "nine downstream rivers", an alluvial plain was formed and the coastline was gradually shifted eastward.

During the Spring and Autumn Period (770 BC - 475 BC), the coastline of Tianjin was located roughly to the east of today's Zhangguizhuang, Jugezhuang, and Shajingzi. By the Warring States Period (475 BC - 221 BC), many densely populated villages had appeared in the plain area of Tianjin. Archaeological findings show that In the outskirts of Tianjin alone, remains of ancient villages have been discovered in as many as 50 places.

A History of Human Development for Over 100,000 Years



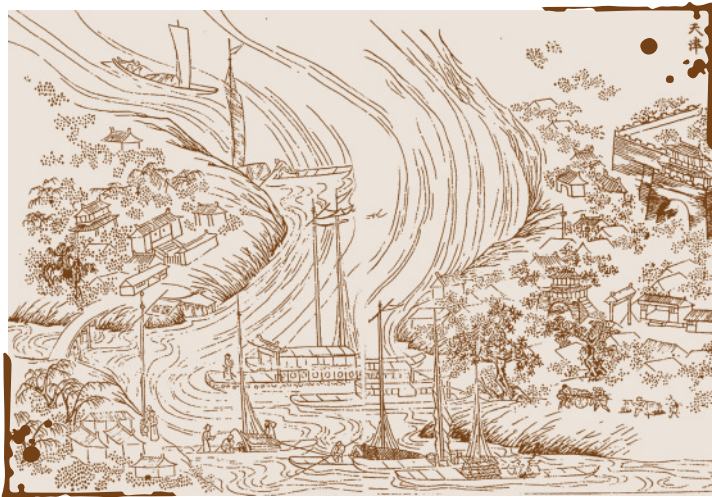
In 2021, the first proactive archaeological excavation of the Paleolithic site cluster in the northern region of Jizhou, Tianjin was carried out. A polished stone tool, the earliest and only one with grinding marks found in Tianjin, was unearthed in the sixth layer. This rare type of stone tool provides a valuable sample for studying the transition between the Paleolithic and Neolithic ages, early human stone tool processing and use in China, and grinding technology's origin. The discovery confirms that Tianjin has a human development history of no less than 100,000 years.

Large-scale Ancient Tombs Discovered in Jizhou District

In May 2022, the North Tombs in Beimaquan Village of Jizhou District were excavated. In this exploration, nearly 20 tombs from the Tang and Liao dynasties, which provide valuable evidence for establishing archaeological chronology and researching Tang-Liao tombs in Tianjin.



The Founding of Tianjin Garrison

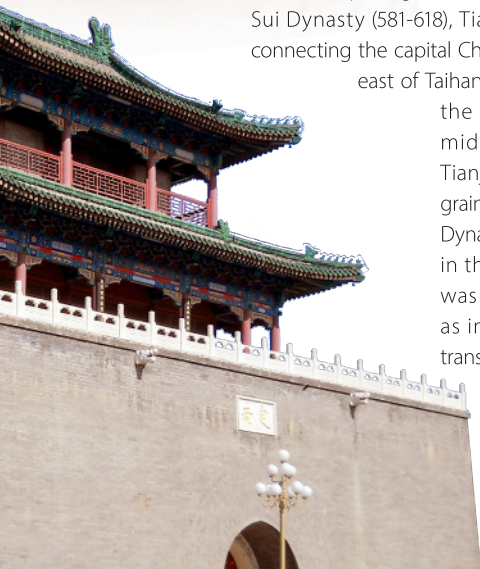


"Zhuanweitu" is a painting that depicts the transportation of grains in Tianjin during the reign of Emperor Kangxi (1662-1722) of the Qing Dynasty.

The name "Tianjin" was adopted in the Ming Dynasty (1368-1644), meaning "the ford where the emperor, Son of Heaven, crossed the river". The city is also known as "Jingu" or "Jinmen".

The earliest official reference to the place is "Sanhui Haikou" (the mouth of three rivers) in Tong Dian (General Records) of the Tang Dynasty (618-907).

After the opening of the Beijing-Hangzhou Grand Canal in the Sui Dynasty (581-618), Tianjin became a transportation hub connecting the capital Chang'an to the east of Hangu Pass and east of Taihang Mountains due to its location near the rivers and the Bohai Sea. From the middle of the Tang Dynasty (618-907), Tianjin played a key role in transporting grain and silk from the south. During the Jin Dynasty (1115-1234), a fortress was built and in the Yuan Dynasty (1206-1368), a town was established at Zhigu, both serving as important military bases and grain transportation centers.



In 1400, Zhu Di crossed the river at Zhigu and seized imperial power in Nanjing, becoming Emperor Yongle three years later. He established a garrison on December 23, 1404 at the place where his troops crossed the river, naming it Tianjin. The left and right garrisons were added in 1405 and 1406. In 1652, the three garrisons were merged into the Tianjin Garrison, marking the founding of Tianjin and laying a foundation for its future development.

During the reign of Emperor Zhengde of the Ming Dynasty (1506-1521), Tianjin had become a bustling hub of river and sea transportation. The rivers were crowded with ships carrying grains, while the streets were lined with shops selling various goods. The majority of the trade was in grain and groceries from the south. By the end of the Ming Dynasty, Tianjin had transformed into a metropolis, rather than a garrison.

Tianjin is the only city in ancient China with an accurately recorded founding date. Since its official establishment in 1404, it has had a remarkable history of 619 years.

Tianjin in Modern Times

Tianjin was one of the first Chinese cities to come into contact with modern Western civilization and has been a leader in industry, finance, trade, business, education, and military affairs. It boasts more than 100 "firsts" in China, including the first university, public hospital, post office, and mint. In the first half of the 20th century, Tianjin rapidly developed into an important foreign trade, industrial and financial center in northern China. It was also the second-largest industrial and



Preservation, Continuation, and Utilization of the Grand Canal Culture

Tianjin has a three-level system for protecting the historical and cultural significance of the Grand Canal. The entire Tianjin section, from Muchang Gate to Jiuxuan Gate, is a key cultural relic under national protection. The Sanchahekou section is a world cultural heritage site. Seven historical and cultural blocks, one national historical and cultural town, 124 cultural relics, 21 old and famous trees, and the canal itself make up the core monitoring area. The canal connects and passes through seven districts, serving as an important economic artery and cultural and ecological corridor.



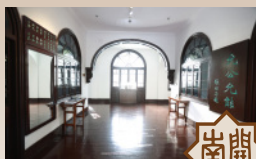
Chengquantun Grand Canal Museum

commercial city, and the northern economic center of China. Thanks to its economic radiation and driving effects, northern China has witnessed unprecedented progress in modernization and export-oriented development across various industries. With the substantial improvement of overall economic strength, northern China has reversed the downward trend of its economic position and become one of the regions with a high level of economic development in China.



Nakai Schools – China's First Complete System of Private Education

From 1904 to 1928, Yan Xiu and Zhang Boling pioneered modern education in China by reforming old-style education and championing modern education in Tianjin. They founded Nankai Primary School, Nankai Middle School, Nankai Girls' Middle School, and Nankai University, creating the first complete system of private education in China.



Nankai Middle School



Zhongying Primary School – The First Public Primary School in Tianjin

Zhongying Primary School, the first public primary school in Tianjin, was built in 1905 and completed in 1906. Originally named "Tianjin Government-Run Model Grade-II Primary School", the school's first headmaster, Liu Baoci, introduced new textbooks on natural sciences, such as mathematics, science, chemistry, biology, optics, and electricity. This was a groundbreaking achievement in the history of modern primary education in China.



Zhongying Primary School

Location Advantage

Tianjin, located in northern China, is a transitional area from the Yanshan Mountains to the coastal plain. It has a total land area of 11,966.5 square kilometers, with the mounded plain area accounting for 93%. The highest point is Jiushanding Mountain, with an elevation of 1,078.5 meters above sea level. In contrast, the lowest point is only 3.5 meters, located in the southeast adjacent to the Bohai Bay. Tianjin has a geological history of 2 billion years, featuring





Binhai New Area Beidagang Wetland

diverse landforms. The Tianjin Jizhou District National Geopark is the only national geopark in China documenting the geological history of the Middle and Upper Paleozoic eras.

The Haihe River, which is 73 kilometers long, meanders through the city and flows into the Bohai Sea. Tianjin's unique geographical location has made it a hub for north-south water transportation for over 1,300 years, from the Sui and Tang dynasties to the Ming and Qing dynasties.

Tianjin is a crucial hub for both land and sea transportation along the "Belt and Road", located at the intersection of the Beijing-Tianjin-Hebei city cluster and the Bohai Sea Rim Economic Circle. It serves as an important seaport for neighboring inland countries. Tianjin Port is the strategic resource and hardcore advantage of Tianjin, with shipping routes to all major ports in the world and the largest liner services operated by the top three global shipping alliances. It is being developed as a "golden node" on the 21st Century Maritime Silk Road.







High-quality Development

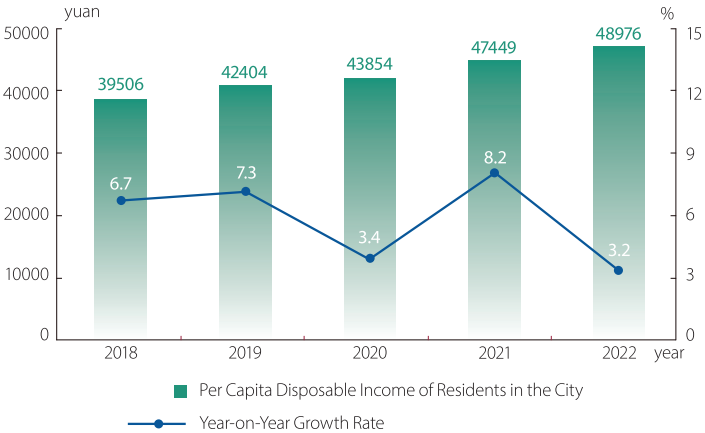
- The Manufacturing Sector as an Economic Pillar
 - Business Environment
 - Financial Innovation
 - Modern Industries
 - Rural Rejuvenation



Tianjin Binhai CTF Finance Center

Tianjin has made remarkable strides in high-quality economic development. In 2022, the city's GDP reached 1.631134 trillion yuan, while the general public budget revenue soared to 184.655 billion yuan. The per capita disposable income of residents has increased by an average of 5.7% annually over the past five years. The city has prioritized the manufacturing industry as its economic pillar, with a particular emphasis on intelligent technology, biomedicine, new energy, and new materials. The city has also expedited the development of the “1+3+4” modern industrial system, anchored by equipment manufacturing, automobiles, petrochemicals, and aerospace. Tremendous progress has been achieved in key industrial chains, with 12 key industrial chains continuously playing a leading role, and an independent chain taking shape for the IT application innovation. The value-added of the manufacturing industry contributes around 23% of the city's GDP. The value-added of strategic emerging industries and high-tech manufacturing industries increase annually by 4% and 6%, respectively.

Per Capita Disposable Income and its Year-on-Year Growth Rate in Tianjin, 2018-2022



The Manufacturing Sector as an Economic Pillar

Tianjin is dedicated to fortifying its manufacturing sector. In 2022, the value added of the 12 key industrial chains amounted to 77.9% of the industries above designated size, a 5.2 percentage point increase from the previous year. The industry chains of aerospace, IT innovation application, biomedicine, and new energy all saw significant growth, with their added value increasing by 15.6%, 9.2%, 7.6%, and 7.2%, respectively.

Tianjin's 12 Key Industrial Chains



High-end equipment, automobiles and new energy vehicles and green petrochemicals all registered double-digit growth in profits. The value added of high-tech manufacturing rose by 3.2% in the past year, surpassing the overall industrial growth rate by 4.2 percentage points. Industrial enterprises above designated size also reported profit growth of 4.0%, outpacing the national average by 8 percentage points. The emergence of high-quality enterprises continued, with 12 national manufacturing champions, 64 national specialized and innovative "little giant" enterprises, 509 municipal specialized and innovative SMEs, and 6 national and 46 municipal corporate centers of technology.



TEDA Biochip



Delivery of the 2000th Financing Leasing Aircraft

TEDA achieved a total output of 525.56 billion yuan for industries above designated size in 2022, with a 7.4% growth rate in manufacturing sector investment and 342 newly started or under-construction projects. Many projects were initiated by companies such as Sinopec Catalyst, Henghe Industry, Jiemei Electronics, and Novo Nordisk, to extend, supplement, or fortify their existing supply chains.

Pursuing High-quality Manufacturing Development

Tianjin has established a multi-tiered development framework for manufacturing enterprises, comprising of leading, champion and specialized and innovative enterprises. The city was chosen as one of the first eight pilot provinces (municipalities) to grant awards to leading enterprises, and now has 192 specialized and innovative “little giant” enterprises. In 2022, 2,770 innovative SMEs were recognized along with 15 new municipal industrial design centers, and eight enterprises were included in the fourth list of national demonstrative service-oriented manufacturing enterprises, placing Tianjin at the forefront of China’s manufacturing sector.

Business Environment

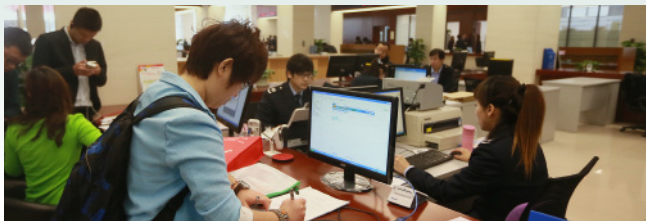
Tianjin has been enhancing efforts in business integrity, social creditworthiness and judicial credibility so as to promote its public image as a city of integrity. The city has carried out various business-friendly policies, such as the “Implementation Plan on Streamlining Administrative Approval Process through Commitment and Standardized, Intelligent and Facilitation Measures,” and the “Regulations on Creating a Favorable Environment for Entrepreneurship.” Over the past five years, the city has welcomed the establishment of 700,000 new market entities and witnessed 27 domestic and foreign enterprises listed.



In 2022, Tianjin implemented the “Opinions of the State Council for Implementing the Pilot Program of Business Environment Innovation,” and the “Three-year Action Plan for Optimizing the Business Environment in Tianjin.” The city formulated lists of administrative licensing items at municipal and district levels, providing 693 administrative licensing items, and 1,051 managed through the municipal service window. 98% of the applications for enterprise establishment were processed online, and 100% of the applications for individual business establishment were completed through a mobile app. In total, 1.648 million applications were handled online. Businesses could now seek consultation and make appointments more conveniently. Tianjin granted over 110 billion yuan in loans to over 166,000 creditworthy SMEs, and implemented the “Outline for Strengthening Intellectual Property Protection.”

Optimizing Government Services

Tianjin has formulated the “Implementation Plan for Accelerating the Standardization and Facilitation of Government Services,” which proposes seven facilitation measures such as “certificate-free” services and “proximity-prioritized” services, and establishes 3,508 operational procedures. 53 favorable policies exempt businesses and residents from applying for certain services. The Municipal Government Service Center provides comprehensive government services under one roof. 79 high-frequency services and 22 fast-track services are now available on mobile devices.



Financial Innovation

Tianjin has built a Financial Innovation and Operation Demonstration Zone, continuously enhancing the supporting capacity of the financial sector for the real economy, and enabling the financial industry to contribute 13.5% of the total added value. Over the past five years, total exports have reached 380 billion yuan, with an average annual growth of 3.5%. The actually utilized foreign investment has reached \$25.3 billion, with an average annual growth of 6.1%. 269 of the world's top 500 enterprises have invested in Tianjin. The Pilot FTZ has played an important role in opening up the economy, with 38 pilot cases being promoted nationwide. Tianjin has emerged as the world's second-largest market for aircraft leasing, while parallel imports of cars at Tianjin port account for 70% of the country's total.

In 2022, Tianjin introduced a number of measures to “build a high-standard market system,” and witnessed the listing of nine companies, including HIGON, VANCHIP, HWATSING and CNTTTS. The city carried out the 116 pilot tasks to further open up the service industry, and made special efforts to facilitate cross-border trade. Tianjin promoted the digital yuan pilot scheme, regional equity market system and business innovation pilot, and was approved to launch a pilot program for cross-border financing facilitation. A number of innovative financial products that were first of their kind in the country were successively launched, such as blockchain-supply chain financing.

As of the end of 2022, Tianjin's deposit and loan balances had both exceeded four trillion yuan. In the first three quarters of 2022, the financial industry generated a tax revenue added value of 160.9 billion yuan, placing it third among all provinces in China. Moreover, the city's leasing industry boasted a total asset worth of over two trillion yuan, accounting for nearly 30% of the national total; and the factoring industry had a total asset worth of 280 billion yuan, accounting for one-third of the national total.



Yujiapu Financial District



Upgrading the Financial Industry

In 2022, Tianjin established 10 financial institutions with a focus on S&T innovation, and introduced 153 innovative financial products tailored for this sector. The city achieved a milestone with the issuance of the country's first asset-supported commercial bill using "S&T bills + supply chain guarantee" framework, while its financing leasing companies provided loans worth over 200 billion yuan to SMEs. A pilot area for green leasing service process was set up in Dongjiang, creating favorable conditions for Tianjin to become a national pioneer in green leasing standards. The city issued and implemented the "Three-Year Action Plan for Implementing the Regional Equity Market System and Business Innovation Pilot Scheme," benefiting a total of 90 domestic and foreign listed companies.

Modern Industries

To keep pace with the world's cutting-edge technology and the future of industrial development, Tianjin is exploring new areas for growth by cultivating new growth engines and competitive advantages. Tianjin's investment in strategic emerging industries increased by 7.3% in 2022, 4.6 percentage points higher than last year. Investment in high-tech manufacturing grew by 10.0%, accounting for 31.5% of the total manufacturing investment, up by 3.3 percentage points from the previous year. The majority of this investment was electronics and communications equipment, spacecraft and other aerospace equipment, and pharmaceuticals.

Rocket-Heart Technology launched HeartCon, an implantable left ventricular assist system with fully independent intellectual property rights in China. CanSino Manhaixin, the third MCV4 vaccine in the world to advance the first dose to 3 months of age, was successfully shipped. Phytium Technology's products have been widely used in the country's digital transformation projects, from the digitalization of Tianjin Metro Line 5 to the replacement of core control systems in over 30 power plants, and to the deployment in 32 provinces and 128 subordinate organizations of the Chinese ministries. StarKylin has filled the gap as the country's first operating system for the Internet of Things. The Tianjin IT Innovation Security Center, the first national IT innovation security service platform, was established.



CanSino Biologics Inc.



HeartCon is set to provide significant benefits to heart failure patients

Tianjin Binhai High-Tech Industrial Development Area: A Hub for Technological Innovation

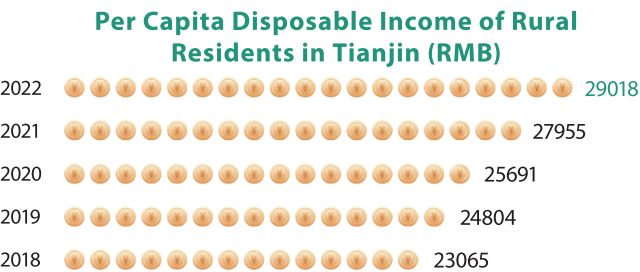
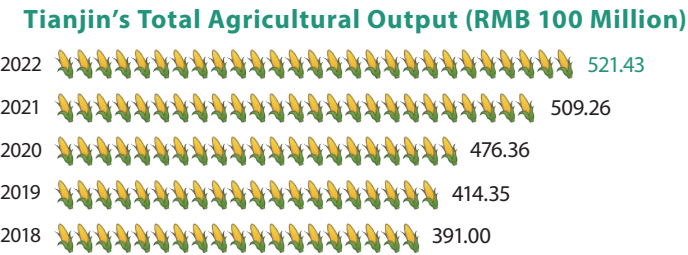
The sixth Haihe Laboratory, the Brain-Computer Interface and Human-Computer Integration Laboratory, was established in TBHIDA. In 2022, TBHIDA attracted 1,132 projects with a total investment of 303.9 billion yuan, and five industrial chains generated a revenue of 195.87 billion yuan, an increase of 22.7%. The area is home to 2,200 national high-tech enterprises and 14 listed science and technology companies.



Laboratory of Tianjin International Joint Academy of Biomedicine

Rural Rejuvenation

Tianjin has taken comprehensive measures to promote rural rejuvenation. In 2022, a total of 70,000 mu of demonstration areas for high-quality, high-yielding, and environmentally friendly grain crops were created. The total grain production exceeded 2.5 million tons. Xiaozhan rice was included in the national program for selected agricultural brands. 150 villages were recognized as the demonstration villages for rural habitat improvement.



Tianjin is leading the way in the development of modern urban agriculture. The city has established 3.964 million mu of high-standard farmland, including 240,000 mu added in 2022 alone. The self-sufficiency rate of basic grains has reached 65.4%, and the integrated mechanization rate of cultivation, planting, and harvesting of major grain crops such as wheat, corn, and rice has reached 98%. The first phase of the Tianjin Institute of Intelligent Agriculture has been completed.

Tianjin is at the forefront of S&T innovation in the seed and breeding industry. The city has cultivated a North China Type Cucumber that accounts for more than 70% of cucumbers grown in the country, a cauliflower hybrid that has been exported to Pakistan and other countries, breaking the dependence on imports, and a mutton breed that can be found in major domestic production areas. New breeds of common carps and crucian carps developed by Tianjin now account for almost 20% of the national total.

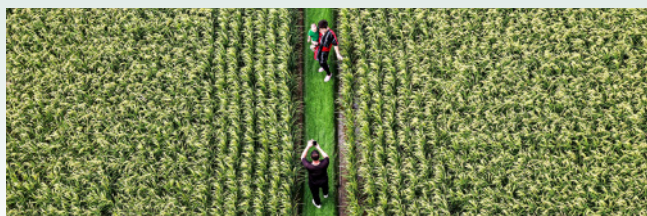
Tianjin is a pioneer in industrial integration. The city is constructing four national industrial parks of modern agriculture, and eight towns have been recognized as national towns of agricultural industrialization. The city has also earned recognition for 26 villages as national beautiful leisure villages, and 280 industrial parks and villages as municipal demonstration sites of leisure agriculture.

Tianjin ranks among the top cities in terms of the quality of living environment in rural areas. The city has constructed 2,209 sewage treatment facilities and installed 640,000 household toilets for rural residents. The coverage rates of domestic sewage treatment facilities and toilets, as well as the collection and treatment rate of domestic waste have all reached 100%.

Increasing Agricultural Production and Farmers' Income

In 2022, Tianjin ran trusteeship services for agricultural mechanization, covering an area of 414,100 mu and benefiting 32,100 smallholder farmers, with 9,531 sets of machinery subsidized. The city identified 28 new brands of “Tianjin’s Selected Agricultural Products” and opened an exhibition center dedicated to these products. To promote integrated farming, the city completed the construction of a 100,000-mu rice and fishery farming base. The integrated rice and fishery farming area in Tianjin now totals 534,600 mu and produces over 5,000 tons of catch annually, bringing economic benefits of 150 million yuan.

In 2022, the Rural Property Rights Transfer Market in Tianjin facilitated 5,652 transactions, amounting to 7.198 billion yuan and involving the transfer of 464,600 mu of land. This resulted in an increase in farmers’ income of 341 million yuan, and the scale of the transactions ranked second in the country.



Hometown of Xiaozhan Rice



The Museum of Xiaozhan Paddy Fields

New Breakthroughs in the Implementation of Paired Assistance Policy

In 2022, Tianjin dedicated 2.851 billion yuan in financial resources to support the paired assistance program, and carried out 1,197 paired assistance projects. Over 50% of the East-West Collaboration Funds were allocated towards industries, and more than 80% benefited people's livelihood. Notably, 155,600 workers from Gansu Province, who had recently been lifted out of poverty, found permanent employment opportunities in Tianjin.

Tianjin helped 121 paired villages in Gansu Province earn the distinction of being recognized as demonstration villages of rural rejuvenation. The city allocated a total of 552 million yuan in financial resources, and carried out 452 projects aimed at improving rural environment, enhancing public services and developing industries with local characteristics. As a result, many model villages, including Fuping Village, Fumin New Village, and Jiawa Village, were created.

- Invested **2.851** billion yuan in assistance funds and implemented **1,197** assistance projects
- Trained a number of skilled workers in Tianjin and Gansu
- Helped **155,600** poverty-stricken workers from the western provinces enter stable employment



- **121** villages were recognized as "Demonstration Villages of Rural Revitalization"
- Accumulated funds invested in financial assets amounted to ¥**552** million
- A number of best practices produced **exemplary** effects



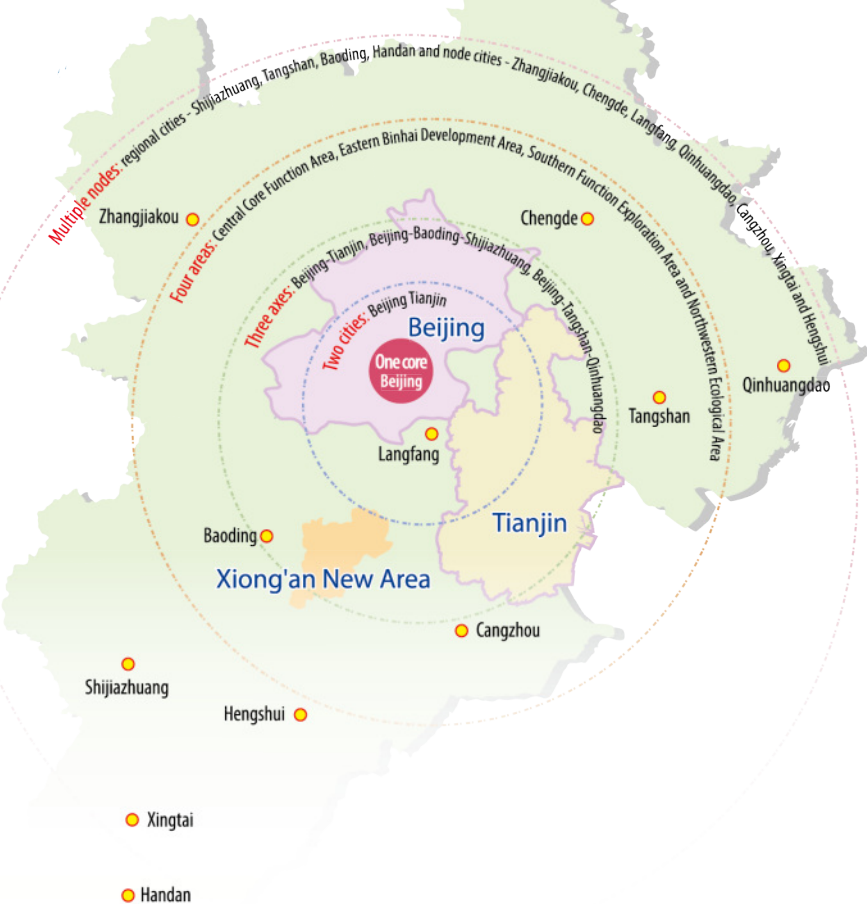




Coodinated Development

- Coodination in Innovation Projects
- Coodination in Ecological Protection
- Coodination in Industry Development
 - Transport Networks
 - Public Service System





Spatial Layout of Beijing-Tianjin-Hebei Coodinated Development

Coodinated development of the Beijing-Tianjin-Hebei region (or the BTH region) is the country's strategic move initiated and advanced by General Secretary Xi Jinping, a significant decision made by the CPC Central Committee with Comrade Xi Jinping as the core. Tianjin has precisely followed Xi's instructions on this task and implemented the "Program Outline for Coordinated Development of the BTH Region". It has worked hard to build the BTH region into a world-class metropolitan region and made breakthroughs in taking over the non-capital functions of Beijing.

Over the past nine years, Tianjin, making full use of its location, education and science, port services, and industry, has enhanced cooperation with the central government, central enterprises, and research institutes. And it has attracted over 6,900 investment projects from Beijing, with investments totaling 1.2 trillion yuan.

Steady Rise in the BTH Region's Development Index

The evaluation system for the development of the region has five primary indicators, namely, innovation, coordination, green development, opening-up level, and level of sharing, with secondary and tertiary indicators under each primary one. According to the Coodinating and Leading Group for Statistical Monitoring of the Coodinated Development of the BTH Region, the region's development index climbed to 138.9, an increase of 7.7 points from the previous year, and the region invested a total of 394.91 billion yuan in R&D, up by 14.6%. And Tianjin's R&D investment intensity increased by 3.7% year-on-year.

Coodination in Innovation Projects

Tianjin is active in enhancing collaboration and attracting quality resources. Many enterprises and institutes have established a presence in the city, including CNOOC, Sinopec, ByteDance, 360 Technology, and Peking Union Medical College. The Lishen Binhai New Energy Industrial Base Project, the Sinopec LNG project (phase III), the machine tool headquarters project of the Genetec Group have been rolled out successfully. 10 state-level innovation platforms are under construction, Tsinghua University's High-end Equipment Research Institute is established, and a national computing hub is being built. And 753 laboratories are recognized and open to use across the region.

Beijing-based enterprises have established 1,406 new institutions and agencies in Tianjin. 318 new projects with a total investment of 172.1 billion yuan are



Laboratory of Tianjin International Joint Academy of Biomedicine



Tianjin Hi-tech Area

Tianjin Binhai High-tech Zone

In 2022, the GDP of Tianjin Binhai High-tech Zone grew by 7.7%, with its main innovation indicators continuing to rank first in the city. Throughout the year, it took over 12 major projects to help relieve Beijing of non-capital functions. In 2023, it will perfect intellectual property protection and services and build itself to be a Tianjin version of Zhongguancun.

launched. Tianjin has also won 2,256 technology contracts from Beijing. Central enterprises set up in Binhai New Area 118 R&D centers and 14 research institutes, covering petrochemicals, aerospace, information technology, high-end equipment manufacturing, and many other fields. The high-tech zone alone in this area is home to 67 R&D centers and 5 research institutes.

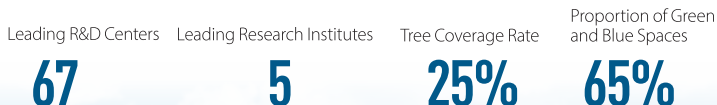


As the “first stop” from Beijing to Tianjin, Wuqing District has established a collaborative innovation center and an offshore service platform in Beijing and constructed the Beijing-Tianjin Industry New City with high standards. China Telecom’s Beijing-Tianjin-Hebei Big Data Base (phase I), located in Wuqing Development Zone, realized a supercomputing capacity with its 28,000 racks and 360,000 servers. This is China Telecom’s most intensive investment and one of the most advanced infrastructures in the world’s major metropolitan areas.

Coodination in Ecological Protection

Ecological and environmental departments in the BTH region have improved collaborative mechanisms. In 2022, the average PM2.5 concentration continued to drop year-on-year, a decrease of more than 60% compared to 2013, and the number of heavily polluted days was significantly reduced. The proportion of sections with excellent surface water quality in the region has met the requirements, and the sections with quality inferior to Class V have been eliminated. Both the quality and stability of the ecological system continue to improve, and afforestation efforts in the eastern part of the region are continuing, maintaining the tree coverage rate and the proportion of green and blue spaces at over 25% and 65%.

Comprehensive ecological projects, including the protection and restoration of Tianjin wetlands, the construction of ecological barriers, and the restoration of coastal ecology have been carried out. The Haihe River entered the first group of excellent cases of China’s beautiful rivers and lakes.





The Haihe River at Dusk

Coodinated Efforts in Ecological Protection

Beijing, Tianjin, and Hebei have jointly overseen the enforcement of environmental law and regulations for eight consecutive years, carried out air pollution control programs in autumn and winter for four years, and regularly conducted consultations on heavy pollution weather warnings. The three places have established and improved ecological compensation mechanisms for rivers. And the “2022-2023 BTH Ecological and Environmental Law Enforcement Plan” was issued.

Legislation for the Protection of the Grand Canal

On December 1, 2022, the “Decision of the Standing Committee of the Tianjin Municipal People’s Congress on Promoting the Protection, Inheritance, and Utilization of the Grand Canal Culture in the BTH Region” was adopted. Similar decisions were also passed in Beijing and Hebei. All decisions have gone into effect across the BTH region since January 1, 2023.



Grand Canal Corridor

Coodination in Industry Development

Tianjin continues to promote synergy in industry development in the BTH region. The BTH manufacturing cluster for health products won the national competition. The BTH Digital Economy Alliance was formed, and 419 users registered in the Science and Technology Achievement Exhibition and Trading Center, which has presented 8,575 achievements.

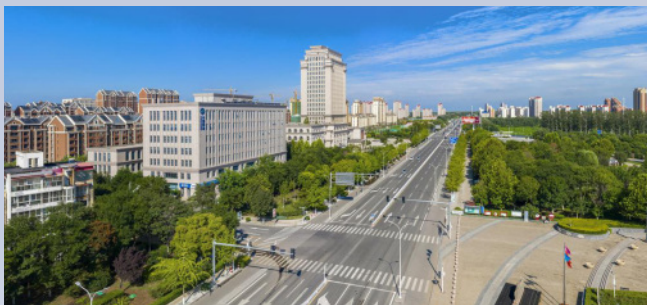
In 2022, the Binhai-Zhongguancun Science Park saw an increase of 849 members. The park is currently home to over 4,000 enterprises, with the majority focused on intelligent technology, new energy and materials, healthcare, and technology services. In 2023, Tianjin's first scale-forming M0 new industrial site broke ground in the park, improving capacity for transforming the R&D of Beijing enterprises.

Beijing-based IAT Automobile Technology commits to producing the "Tianjin Solar Car". CanSinoBIO, Hwatsing Technology, and other companies have introduced upstream and downstream businesses into the city. The Beijing Institute of Architectural Design received a 176-million-yuan investment from the fund for boosting industrial restructuring. 59 manufacturers of automobile parts, electronic components, and packaging in Wuqing support Beijing's industries.

The Binhai New Area has attracted investment from CASIC, China Chengtong, and other central enterprises and helped private enterprises and institutions. In 2022, it took over 62 projects from Beijing, with investments totaling 62.082 billion yuan. Beijing-based enterprises have established 360 new institutions, with a registered capital of 92.863 billion yuan.



Military Civilian Integration Innovation Research Institute



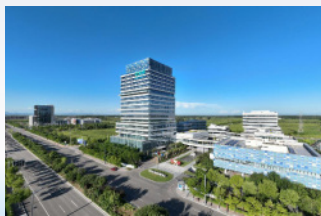
Baodi's Strategic Role in the BTH Region

Beijing-Tianjin Zhongguancun Tech Town is creating a new model of collaboration with R&D performed in Beijing and manufacturing in Tianjin's Baodi. It is now home to 1,031 businesses. The first phase of construction covering an area of 4.19 square kilometers was completed, and the second phase was started. The Beijing-Binhai and Beijing-Tangshan railways bring the town into the "30-minute commuting circle" of Beijing.

The tech town is incorporated into the policy framework of national high-tech industry zones and has become one of the first bases of the "Innovation China Program". The Zhongguancun Medical Device Park, Beijing Institute of Metrology, and Peking University Science Park have settled here, 92 entity projects have been signed, and the High-end Medical Industry Park has passed the acceptance inspection.



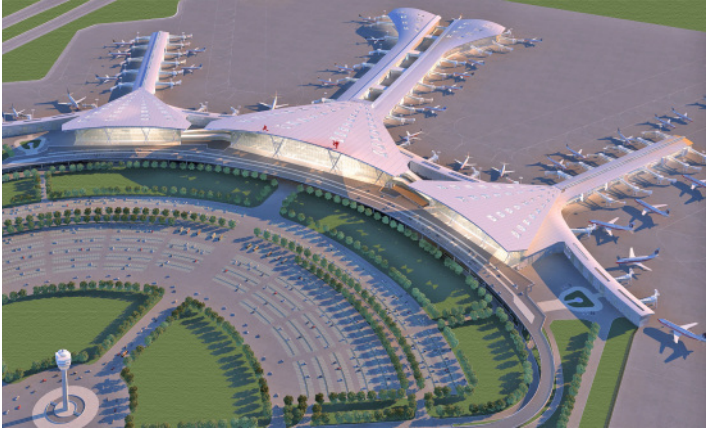
Smart Minibus



Beijing-Tianjin Zhongguancun Tech Town



Transport Networks



Tianjin Binhai International Airport

Tianjin is promoting transport networking to help build the “commuting circle” of Beijing. High-speed railways Beijing-Tianjin, Beijing-Shanghai, Beijing-Binhai, and Tianjin-Daxing (under construction) reduce commuting time between the two cities. The road network is also efficient, with arteries well supplemented by feeder roads. National and provincial highway interchanges are managed according to the same standards. Beijing-Tianjin Intercity City cards are in wide use and the same QR code can be used to pay for tickets in both cities.

The Xiong'an Service Center at the Tianjin Port has facilitated customs clearance and provided better access for Xiong'an. Core areas of Beijing, Tianjin, and Xiong'an can be reached within half an hour and major cities in the BTH region within 90 minutes.

According to the 14th Five-Year Plan, Tianjin will be built to be a global and regional transport hub. In November 2022, the construction of the Beichen-Binhai New Area section of the Beijing-Tianjin intercity railway and the Tianjin section of the Tianjin-Weifang high-speed railway began. At present, Tianjin has a total track length of 1,468 kilometers, including 410 kilometers of high-speed (intercity) railway track.

Tianjin-Daxing Railway to Open in 2023

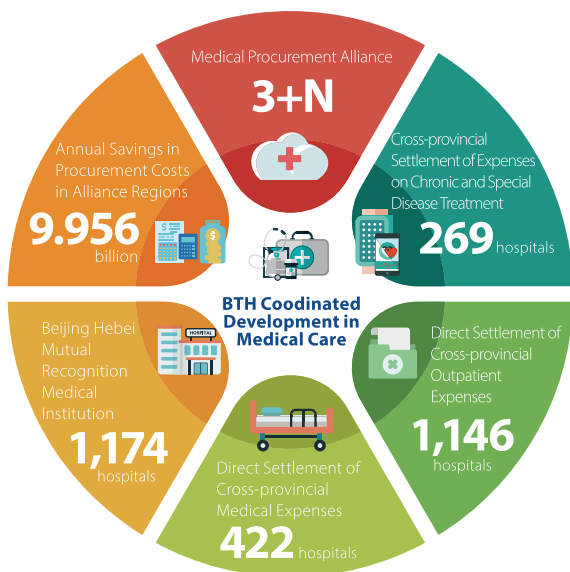
The Tianjin-Daxing Railway, a major project for boosting BTH collaboration, connects Tianjin, Daxing International Airport, and Beijing's urban area. The line is 100.79 kilometers long with six stations from Tianjin West Station to Daxing International Airport. Its completion and opening in 2023 will make it the fourth express railway between the two cities.

Public Service System

Tianjin has vigorously promoted shared access to public services across the BTH region. Thanks to the joint efforts of the three places, progress has been made in elderly care, education, medical care, and cultural exchange. Residents in the region are enjoying more equal access to basic public services.

At present, 422 medical institutions offer cross-provincial settlement services to inpatients and 1,146 medical institutions support direct settlement of cross-provincial outpatient expenses. Direct settlement of outpatient treatment for five chronic diseases, including hypertension and diabetes, is available in 269 designated medical institutions, and cross-provincial settlement of outpatient bills in 31 pharmacies. All designated medical institutions in Beijing and Hebei are recognized in Tianjin, bringing the number of such institutions to 1,174. The medical procurement alliance has facilitated six purchases of medical consumables. And it is estimated to save 9.956 billion yuan in procurement expenses annually. Tianjin is also one of the first cities that support independent medical insurance registration through online tools before receiving treatment in other places.

Beijing, Tianjin, and Hebei also collaborate in offering policy services. The sharing of 17 sets of transport data is realized across the region. The Beijing-Tianjin self-service center has been put into use in the Binhai New Area, enabling 200 Tianjin government services to be processed within 24 hours via self-service, and 300 high-frequency services to be processed across cities and provinces.





Moreover, the policy for free trade accounts covers the entire region. Professional qualifications and background check results for high-end foreign professionals applying for employment in China are mutually recognized. To further improve the business environment and facilitate cross-border trade, Beijing and Tianjin have adopted more than 100 innovative measures.

The BTH collaboration also extends to other fields. Binhai Vocational College and Lenovo Group (Beijing) jointly established the Lenovo AI Industry Institute and the Nuclear Industry University is being built in Binhai. The Fifth Central Hospital is deepening cooperation with Peking University, and licensed physicians from Beijing and Hebei can be registered in the Binhai New Area. Projects such as the National TCM Medical Center and the Hematology Medical Center are rolled out. Subsidies for the cross-regional operation of elderly care institutions are granted across the region. More than 70 such institutions in Tianjin receive elderly people from Beijing.

Memorandum of Cooperation in Financial Justice

On November 22, 2022, Tianjin First Intermediate People's Court, Tianjin Third Intermediate People's Court, Beijing Financial Court, Shijiazhuang Intermediate People's Court, and Xiong'an New Area Intermediate People's Court signed a memorandum of cooperation in financial justice. The five courts will improve the quality and efficiency of judicial trials for financial cases and contribute to the BTH development by establishing a judicial cooperation platform.



4

Innovation-driven Development

- Science and Technology Development
 - Talent Development
- Integrating Port, Industrial and Urban Development Strategies
 - Digital City





The Haihe Laboratory of Cell Ecosystem

Science and Technology Development

Tianjin has pursued an innovation-driven development strategy, and achieved impressive results in key innovation indicators. With an R&D investment intensity of 3.66%, the city has maintained a steady position as the third-highest investor in R&D nationwide. Its comprehensive S&T innovation index has reached 83.5%, placing the city at the forefront of comprehensive innovation in China. Tianjin has been listed among the top cities for research in the Nature Index in the world.

Tianjin has made great strides in leveraging innovation platforms. The city has fully utilized 151 national innovation platforms, enabling systematic and chain-based development. Tianjin has made preparations for establishing 40 municipal key laboratories and recognized eight municipal university science parks. The National Supercomputing Center and the National Synthetic Biotechnology Innovation Center in Tianjin have made new breakthroughs in high-throughput virtual drug screening. The five Haihe laboratories have played a pivotal role in incubating 13 S&T enterprises, such as Zhonghe Gene. The Haihe Laboratory for BCI and HMI has been successfully established.

Tianjin has made significant progress in S&T innovation. It has launched the Shen Gong BCI system and upgraded the "Tianjin" pure solar-powered vehicles. The inhaled version of CanSino's adenovirus-vectored COVID-19 vaccine was approved for emergency use, and major breakthroughs have been made in core

R&D Investment
Intensity

3.66%

Comprehensive Technology
Innovation Level

83.5%

New Municipal-
Level Laboratories

40

New Municipal-
Level University
S&T Zones

8

technologies concerning the materials for seawater desalination membrane. Tianjin has also implemented a tiered system of development for S&T enterprises, with 10,719 national S&T SMEs, 5,620 municipal Chuying Enterprises, and 477 municipal Dengling Enterprises. The number of high-tech enterprises per 10,000 corporate entities has exceeded 260.

Tianjin has developed an implementation plan to promote the reform of the S&T system. The city has provided competitive subsidies of 375 million yuan to enterprises, leading to an increase of 4.514 billion yuan in R&D expenditure. It has granted over 21 billion yuan in loans to S&T enterprises, and established proof-of-concept funds to attract social capital to support early-stage R&D activities.

In 2022, Tianjin registered a total of 1,703 municipal S&T achievements, with 129 of them reaching the international leading level and 264 reaching the international advanced level. The city also authorized 71,500 patents, 11,700 of which were invention patents, marking a 59.2% increase from the previous year. Furthermore, 577 PCT patent applications were accepted, signifying a growth of 29.9%. As of the end of the year, there were 51,200 valid invention patents, representing an increase of 17.9%.



Tianhe Digital Economy Industrial Park Expanding Partnership Network

Leveraging its state-of-the-art computing power and big data technology, the Tianhe Digital Economy Industrial Park, which houses the Tianjin National Supercomputing Center, is rapidly expanding. The park has incubated over 300 digital economy enterprises, and is home to around 6,000 digital industry-related professionals. In 2022, the park recorded a revenue of nearly 20 billion yuan.



Talent Development

Tianjin is committed to implementing the strategy of “empowering the city through talent development” and recognizes the crucial role of talents in driving high-quality economic and social development. The Haihe Talents Action Plan has successfully introduced 445,000 talents, with an average age of 32, 26% of whom working in strategic emerging industries. Moreover, the city has established ten Innovation and Entrepreneurship Alliances for Industrial Talents, connecting 80 universities and institutes, recruiting 75 academicians, and bringing together over 2,000 leading enterprises and 35,000 engineers.

In 2022, the city successfully hosted the third Tianjin Haihe Talent Innovation and Entrepreneurship Competition as well as the Beijing-Tianjin-Hebei (Bohai Bay) Talent Matching and Exchange Event. Within a year, 106,000 new talents were introduced to the city, adding to the existing pool of 840,000 highly skilled individuals. 34 new post-doctoral research stations were established and 632 post-doctoral fellows were recruited, representing a year-on-year increase of 25.9% and 5.3%, respectively. Moreover, the city's proportion of citizens with scientific knowledge and skills was an impressive 18.68%.

In December 2022, the “Tianjin Vocational Training Regulations” came into effect, providing legal support to the implementation of the city's talent strategy. These regulations, the first of their kind at the provincial level in China, represent a milestone in the development of vocational training in Tianjin.



First Job Fair of 2023 "Haihe Talent"

Facilitating the Free Flow of Talents in Tianjin Free Trade

“The Implementation Plan for Constructing Inter-connected Innovation Demonstration Base (Offshore Innovation and Entrepreneurship) in the China (Tianjin) Pilot Free Trade Zone” has been released to promote innovations that facilitate the free flow of talents and the attraction of knowledge and talents. On October 10, 2022, the Tianjin (Binhai) Offshore Innovation and Entrepreneurship Base for Overseas Talents was officially approved as an inter-connected innovation demonstration base of the Tianjin FTZ, significantly enhancing the innovation and entrepreneurship environment for overseas talents.



A smart and zero-carbon terminal in Tianjin Port, the first of its kind in the world

Integrating Port, Industrial and Urban Development Strategies

Tianjin has proactively integrated its port, industrial and urban development strategies to position itself as a world-class city and the preeminent hub of international shipping in Northern China.

Significant strides have been taken by Tianjin in building a world-class smart and green port. The city is home to the world's first smart and zero-carbon port, as well as a demonstration port for autonomous driving, and has achieved a world record in berthing efficiency. In 2022, the port's container lines reached 140, with a container throughput of 21.0213 million TEUs, a 3.7% year-on-year increase. The port's cargo throughput also increased by 3.7%, reaching 549 million tons.

To promote the coordinated development of Tianjin Port, Tianjin and the Binhai New Area, various shipping hubs have been established in the downtown, Dongjiang and Yujiapu. Infrastructure projects such as the Tianjin Marine Equipment Smart Manufacturing Base and International Frozen Products Market have been constructed, while the collection and distribution system has been improved. Transportation infrastructure has also been upgraded, with the Tianjin East section of the Tianjin-Shijiazhuang Expressway and the Binhai New Area section of the Tanggu-Chengde Expressway opened to traffic in 2022. The construction of the specialized freight lane intended for the streamlined collection, distribution, and transportation of goods to and from Tianjin Port, and that of the Beigang Road South Extension project have been accelerated, to better connect the downtown area and the Binhai New Area, and support coordinated development of Beijing, Tianjin, and Hebei.

Tianjin

Cultivating a high-end shipping service industry that includes shipping brokerage, shipping finance, shipping development, and maritime legal services; and attracting more domestic and foreign shipping companies to establish operations.

Binhai

Developing the port logistics industry, such as shipping logistics, cold chain logistics, auto logistics, and bonded logistics; expanding the port manufacturing industry, such as marine equipment, petrochemical new materials, aerospace, grain and oil processing, and deep processing of frozen products; and strengthening the service industry, including shipping leasing, shipping trade, and bulk commodity trade.

Tianjin Port

Enhancing port operations and market development, opening up more container liner routes, and promoting the integrated development of "port, shipping, goods, trade, and production."



Tianjin Port accepts and unloads major components of the 600th overhead passenger aircraft

Laboratory for Smart Port and Global Innovation

The Laboratory for Smart Port and Global Innovation, which was founded by leading companies such as Huawei and Tianjin Port, as well as prestigious universities and research institutes, has established a foundation for promoting digital innovation in ports and fostering collaboration between academia and



The Inauguration of the Laboratory for Smart Port and Global Innovation

Digital City

Tianjin is committed to “building a digital city” and has become a leader in comprehensive digitalization nationwide. The city has deployed a double gigabit network and hosts more than 50,000 5G base stations. Over 10 billion pieces of governmental data have been collected, over 300 billion pieces shared, and over 100 million pieces made accessible to the public. With the national strategy to allocate more computing resources to less developed western regions and leveraging the hub nodes of the Beijing-Tianjin-Hebei Integrated Computing Network, Tianjin expanded its presence in the digital industries.

Tianjin is leveraging digital technologies to enhance the well-being of its citizens. Over 1,500 public services are now available on the mobile platform called Jinxinban, and 23 one-stop services will be accessible online. The city is also developing 69 digital infrastructure projects, including an intelligent old-age home care service that currently covers nearly 50,000 prioritized individuals, and has already responded to over 20,000 alarms. This service has been chosen as one of the first national model cases of using smart technology to support the elderly. 266 primary medical institutions have opened their “cloud pharmacies,” and a guidance and signage app has been introduced to assist people with disabilities by using electronic maps to locate barrier-free facilities.





Enhancing Residents' Well-being Through Digital Services

A social governance platform called Jinzhitong has collected more than 300 types of social governance data from 25 departments in the city, and closed over 10 million relevant cases to date. Pilot programs have been implemented to promote data sharing between the government and enterprises, and to integrate data between companies. The city has also focused on developing the National Digital Service Export Base and currently hosts over 9,000 industrial enterprises that have adopted cloud platforms.

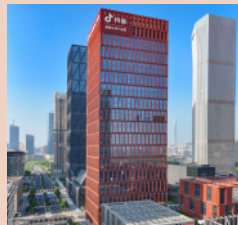
Tianjin has introduced the "Digital Development Evaluation Index System." This system includes 21 secondary indicators and 59 tertiary indicators, covering all aspects of a city's digital transformation, including digital economy, digital society, digital government, digital infrastructure, digital ecology, and development environment. The city has also established the Research Institute for Smart City and Digital Security, which has been recognized as a National Training Base of Digital Literacy and Skills.



Visualization of Tianjin's Public Information and Resources

TEDA Aiming to Become a National Center of Digital Economy

TEDA has rolled out a “Three-Year Action Plan for the Development of Digital Economy” and a “2022 Action Plan for Tackling Difficulties in Digital Economy Development,” which aim to leverage digital technologies in eight application scenarios, such as industrial Internet, 5G, platform economy, and Internet healthcare. TEDA boasts over 50 leading enterprises in the digital medical industry and has established more than 5,500 5G base stations. The district’s live streaming industry, anchored by the TikTok Live Streaming Industrial Park and Cross-border E-commerce Demonstration Park, has generated a revenue of 1.5 billion yuan.



TikTok Industrial Park



*FAW Volkswagen
Intelligent Production Line*

Hebei District Implementing Key Projects of “Building a Smart City”

In 2023, Hebei District aims to concentrate on the development of Huawei ecosystem-related offices in Guoyin Building, digital industry-related offices in Nuode Center, and AI acceleration platform-related offices in Chuangye Gongshe Building. The district plans to finalize the construction of the first phase of the smart city project, and establish smart gas and smart emergency response application scenarios. The district will also launch a vehicle networking project, and collaborate with relevant partners to build the city’s first-ever self-driving demonstration road in the downtown area.

Nankai University Offering an Undergraduate Program in Digital Economy

The School of Economics of Nankai University now offers an undergraduate program in digital economy, which was approved by the Ministry of Education and launched on September 29, 2022. The school has also established a Cross-Disciplinary Center of Digital Economy in collaboration with other schools and departments, such as statistics and data science, management, law, computer and information science, and artificial intelligence. Digital economy has emerged as a new frontier for the school to contribute to the implementation of the country’s major development strategies.



The Launch of Nankai University’s Undergraduate Program in Digital Economy





A City of Charms

- A City with Two Centers
- International Consumption Center
 - Regional Trading Center
- Cityscape and Environment
 - A City of Safety

A City with Two Centers

In 2022, Tianjin made strides toward establishing itself as a modern socialist metropolis with two established centers: downtown Tianjin and the Binhai New Area.

In 2022, Tianjin launched 28 of its 33 key projects and increased investment in construction by 2%. Notable accomplishments included successful launches of major projects like SMIC II, and the opening and operation of Lenovo (Tianjin) Smart Innovation Service Industrial Park and FAW Toyota New Energy Plant. Planning for the core area of the Tianjin “Design Capital” was implemented, and leading enterprises such as CRDC and COSL expanded their operations in the city. The first phase of Tiankai Smart Town was accelerated, and NC SynBio was on track for completion in 2023.

A total of 1.86 trillion yuan of projects in the pipeline were announced, with the first phase involving 38 signed projects and a total investment of 452.308 billion yuan. In downtown Tianjin, areas around Tianjin University, Nankai University, and Xiyongmen were set to be renewed. In the Binhai New Area, notable projects included the expansion of Beijing-Tianjin-Tanggu Expressway, the starting area in the TEDA Science and Technology Innovation City, upgrading in areas around the National Maritime Museum and a vocational education and industry development base. Each project had planned investments of over ten billion yuan.



Innovation for Synthetic Biology (NC SynBio)

Sketch Map of Rail Transit in Tianjin (by the end of 2022)



Tianjin also planned 673 key construction projects for 2023, with increased investments in advanced manufacturing, science and technology, and industrial innovation, from 27.82% to 29.36%.

A Boom in Metro Development in Tianjin

Tianjin has been approved 14 rail transit lines, with 11 in the downtown area and three in the Binhai New Area. Currently, eight lines are in operation downtown, including Metro Lines 1, 2, 3, 4 (southern section), 5, 6, 9, and 10, with a total mileage of 286 km and 181 stations. In addition, Lines 7, 8, and 11 in the downtown, and Lines B1, Z4, and Z2 in the Binhai New Area are under construction. The eastern section of Line 11 is scheduled to open in 2023, and other lines will be completed and opened by the end of the 14th Five-Year Plan. By then, the total length of Tianjin's rail transit system is expected to exceed 500 km.



Picturesque Tianjin

Tianjin Performing Well in Building and Upgrading Infrastructure for People's Well-being in 2022

Upgrading the heating and gas pipeline networks. Tianjin renovated 404 km of the old gas pipeline network and 108 km of the old heating pipeline network. Indoor heating facilities were upgraded for 8,992 end-users.

Facilitating daily travel for residents. Tianjin added or optimized 43 bus lines, upgraded 211.5 km of rural roads and 20 bridges, and built ten new roads including Tianshan North Road, Wanghu Road, Jiahe Road, and Boshan Road.

Building new public parking facilities. These include 27 parking lots, such as Zhongshanmen Tuanjie North Road in Hedong District and Geku Dongwan Park in Jinan District, with a combined capacity of 7,119 new parking spaces. All facilities are already in operation.

Improving water supply and drainage capacity. Tianjin Jinbin Water Plant's second phase was completed, meeting the water demand of 1.78 million people. Additionally, the Dengzhou Road drainage pumping station was built, and the drainage facilities of the 923-hectare waterlogged area in Chenglinzhuang Road area were improved.

International Consumption Center

Tianjin is becoming an international consumption center by upgrading eight landmark shopping areas, including the Italian Style Streets, the Golden Street of Heping Road, and Five Great Avenues, and 14 other shopping areas, such as Wanda-Aegean and the Temple of Great Compassion. Additionally, the city accelerated the construction of high-quality commercial complexes such as Impression City and Jinmao Mansion. The first sports-themed commercial complex, Youth Travel Sports New World, and the first rooftop night market, Vanke City Showground, are now operating. Florence Town was selected as one of the first model intelligent business districts in China, introducing over 50 new brand stores in 2022. Furthermore, the city opened 15 new large commercial projects, including eight large shopping centers and seven community shopping centers, adding more than 800,000 square meters of new commercial space and over 1,000 new merchants.

Tianjin held over 200 events to invigorate its market, including the June 16th Shopping Festival, the distribution of “Jin Le Shopping” gift vouchers, and the Haihe International Consumption Season. The year 2023 is the “Year of Consumption in Tianjin” with continuous and diverse activities to establish prosperous consumption throughout the year. Tianjin will create a diversified and innovative consumption-promoting platform linking Tianjin with Beijing and Hebei Province to help drive the city’s high-quality economic development.





Florence Town

Florence Town Boasting 50,000 Daily Visits in the Spring Festival

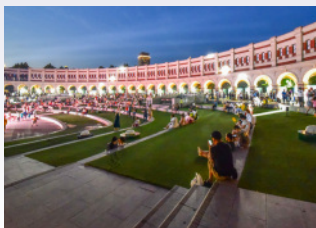
Florence Town in Wuqing District saw increased customer visits during the Spring Festival, thanks to a variety of promotional activities by stores. Over half of the visitors were from Beijing, Hebei, Shandong, etc., and the town set up traffic signs at the Wuqing high-speed railway station. The town also worked with navigation platforms to help customers with driving routes and positioning. Even express mailing services were offered to improve customer experiences.

Highlights of the Night Economy during the Haihe International Consumption Season

Tianjin hosted a series of exciting events, including “Night Tour of the Haihe River,” “Night Shopping of Local Goods,” “Night Tasting of Local Food,” and “Local Performance at Night.” Bars along the Italian Style Streets and the Five Great Avenues were particularly popular. Notably, the Hexi Cultural Center’s Underwater World, Tianjin Happy Valley, Fangte Fantasy Kingdom, Tianshan Sea World Meters Cube in Jinan District, and Tianjin Haichang Ocean Park extended their hours to offer nighttime activities. Moreover, Tianjin Grand Theatre, Jinwan Grand Theatre, and other venues staged concerts, plays, and other performances. The city boasts over 40 night markets, with the typical night market of Water Park renewed.



Italian Style Streets



Minyuan Stadium



National Convention and Exhibition Center

Regional Trading Center

Tianjin is leveraging its transportation, ports, conventions and exhibitions, PFTZ, and public service resources to establish itself as a regional trading center. The city is accelerating the development of the import-promotion demonstration zone, “big trade” carriers, and bonded area. It is also building a trade platform for bulk commodities such as grain, oil, frozen products, and oil and gas, and a hub for automobile sales. Tianjin is also developing a pilot zone for cross-border e-commerce and three world-class centers for aircraft, ship, and offshore leasing. Doing so will enhance its clustering strength for leasing automobiles, large equipment, new energy facilities, and medical equipment.

Tianjin made progress in commercial exhibitions. Wanglanguang International Trade Center was selected as a national pilot for the market trading model, and the second phase of the NCEC (Tianjin) was completed. Its first phase started operation a year ago, hosting nearly 30 events such as the Building Science Conference, the National Sugar and Wine Fair, the World Congress on Vocational and Technical Education Development, and the International Auto Show. These events have improved the surrounding supporting facilities and services.

The Three-Year Action Plan to Become the Northern Center for International Exhibitions

Tianjin’s “Three-Year Action Plan to Promote the Convention and Exhibition Industry (2022-2024)” aims to establish the city as the northern center for the industry by 2024. The plan includes introducing over ten internationally and nationally famous exhibitions, enhancing the influence of existing ones, such as the World Intelligence Congress, and establishing one or two new nationally recognized exhibitions.

Cityscape and Environment

Tianjin is enhancing the city's capacity for public services to better serve the residents, market entities, and overall economic and social development.

The city has upgraded 50 community parks and pocket parks, planting a total of 3,303 trees and shrubs, 18,194 square meters of ground cover plants, 814 square meters of hedges, 3,889 square meters of turf, and paving 14,885 square meters of park roads. The upgraded Ergong Park was open on June 13th, 2022. And all 162 parks, except for the zoo, are open for free, and the greening coverage of these parks was up to 38.3%.

The publication of the Tianjin Sanitation Facilities Layout Plan (2022-2035) aims to make the city cleaner. So far, the city has chosen 30 towns and over 1,100 communities to demonstrate waste sorting and taught waste sorting in 3,931 schools. And 5,217 public institutions have recycling bins. The main structure of the sewage treatment plant in Gangdong New Area was completed, increasing the city's daily capacity to 4.17 million tons.

The city has built 27 new parking lots, adding over 7,000 parking spaces. And the "1001 Project" upgraded 34,051 streetlights in 941 residential communities and along 302 roads. Replacing conventional bulbs with LED lights cut annual power consumption by 20%, and 99.6% of roads were lit.

Upgraded Community
Parks and Pocket Parks

50

Planted Hedges

814 m²

Planted Turf

3,889 m²

Paved Park Roads

14,885 m²



The City of Safety

Tianjin implemented a city-wide safety campaign to serve as the security “moat” for Beijing. The city boasts 7,164 intelligent residential communities, 2,862 of which were added last year, covering the whole city. They generated 8,657,000 early warning, cutting controllable crimes by 28.74%, providing 1,880 leads for police, helping them with 1,480 arrests, and significantly enhancing intelligent security in urban communities.

The city has developed a flood protection plan for infrastructure, establishing seven brigades of 64 teams responsible for the on-site duty on 64 ground and sunken roads and tunnels. Six city tunnels have 15 flood escape ladders for safe evacuation. A preventative campaign for safe use of gas was conducted to help people identify hazards. And 1,029 elevators in old residential areas were covered in spot checks.







Green and Low-Carbon

- A Livable City
- Green and Low-Carbon
- Circular Economy
- Ecological Barrier

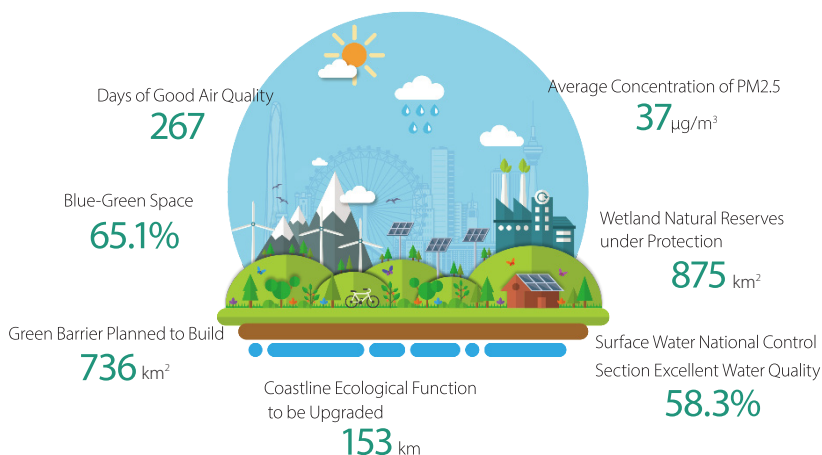
A Livable City

Tianjin is a charming and livable city with green mountains and waters. Over the past five years, the annual PM2.5 concentration has dropped by 40.3% to an average of 37 micrograms per cubic meter. The rate of good air quality days has increased by 15.3 percentage points to 73.2%. All 12 rivers entering the sea through the city meet the national standard for water quality, and the air and water environment is at its best level since monitoring. The quality of the city is steadily improving with the opening of several parks.

Marine ecological protection and restoration projects are being built in Lingang, Sino-Singapore Tianjin Eco-city, and other areas. The second phase of the ecological restoration project in Zhonggangchi will be completed soon. Lingang Wetland Park is now a beautiful ecological wetland park that restores the estuary's ecological environment and protects migratory bird habitats through artificial ecological restoration techniques. In 2022, the proportion of good water quality in off-shore waters is increased by 13.4 percentage points to 71.7%.

To protect the environment, several measures were taken such as shutting down Dagang Power Plant, upgrading the sintering machines of New Tianjin United Special Steel Co., Ltd to treat volatile organic pollution, noise, and odor, and addressing mobile sources of pollution. By 2025, vehicles with national III and below emission standards will be phased out.

2022 Major Environmental Quality Indicators in Tianjin



*Tianjin Binhai New Area*

The Binhai New Area Ranking First in the Number of Days with Good Air Quality

By the end of 2022, the Binhai New Area successfully completed all 49 key pollution prevention projects and 15 key measures. The annual average concentration of PM_{2.5} was 36 μ g/m³, and air quality was rated level 2 or above for 278 days, ranking first in the city. All 16 surface water assessment sections met the standards, and agricultural land is uncontaminated and arable and under priority protection. The safe utilization of key construction land reached 100%.

Sino-Singapore Tianjin Eco-city Exploring Green Development Model

To achieve 100% green building, Eco-City follows a standard system that covers planning, design, evaluation, and operation, aligning with national standards. Notably, it has built the first passive ultra-low energy building, completed the first "zero-carbon building" in Tianjin, and saves approximately 172,000 kWh of electricity annually. It is a national innovation base that has released and implemented the first "Zero-Carbon Demonstration Unit Standard System" in China.

*Sino-Singapore Tianjin Eco-city*

Green and Low-carbon

Putting into practice the concept that "lucid waters and lush mountains are invaluable assets," Tianjin implemented a green and low-carbon development plan. It released regulations on peaking carbon emissions and carbon neutrality, and completed the "1001 project" of the State Grid.

The Double Carbon "1+N" policy system was further improved. The carbon emission trading market is operating smoothly. The national government verified more than 5.5 million tons of carbon quotas and voluntary emission reductions from 139 companies, ranking third in the country. For seven consecutive years, the carbon emission compliance rate has been 100%. Energy consumption per unit of GDP is expected to drop by 2% year-on-year.

In 2022, the seven large petrochemical enterprises in the city all achieved national A-level environmental performance. The remaining four iron and steel enterprises have completed ultra-low emission renovations, reducing the total average daily emissions by 61.4% compared to 2017.

Five Actions to Achieve Peaking Carbon Emissions and Carbon Neutrality

"Tianjin Implementation Plan for Peaking Carbon Emissions and Carbon Neutrality (2022-2030)" was introduced in December 2022. Five major actions will be taken: technological innovation, factor allocation, enterprise cultivation, results transformation and demonstration, and open innovation. By 2025, the city will break through key technologies, increase non-fossil energy over 11.7% of total energy consumption, and build a green and low-carbon technology innovation system. By 2030, carbon emissions from GDP will drop by more than 65% compared to 2005.



Construction of Green Energy System in Tianjin Port

Tianjin Port aims to achieve peaking carbon emissions and carbon neutrality in three steps: creating zero-carbon terminals, a zero-carbon port area, and then a zero-carbon port. Currently, the wind and photovoltaic power generation system in Tianjin Port has a total installed capacity of 42,000 kilowatts, producing around 95 million kilowatt hours of green energy annually, saving about 27,000 tons of standard coal and reducing over 70,000 tons of carbon dioxide emissions every year, equivalent to planting 200,000 trees.

*Tianjin Port Smart Green Energy System*

Circular Economy

The "Implementation Plan for the Recycling System of Waste Materials in Tianjin" proposed to enhance the agglomeration effect of the Tianjin Ziya Economic and Technological Development Zone. As the largest circular economy park in China, the zone recycles and utilizes resources in the Beijing-Tianjin-Hebei region. It focuses on recycling scrapped cars, waste electrical and mechanical products, and electrical appliances. It also extends four industrial chains to high value-added industries such as non-ferrous metals and rare and precious metals extraction.

Relying on enterprises such as Gree Altairnano, GEM, and Batrui, the zone has set up an industrial system for new energy power batteries that focuses on "manufacturing-new energy vehicle application-gradient utilization-resource utilization." The zone's "Scrap King" APP online trading platform has an online recycling volume of 680,000 tons and a transaction volume of 13.783 billion yuan. The zone will soon launch two new platforms, "Bonded Exhibition and Trading of Recycled Metal" and "Circular Economy Business Supervision Service," aimed at improving the recycling of renewable resources and the trading of recycled products.

*GEM Dismantling Workshop**Gree Altairnano*

Sustained Investment for Green, Low-Carbon, and Circular Economic Development

Tianjin plans to invest 6 billion yuan in improving and upgrading the Tuanbo Lake wetland, and continue to increase water replenishment. The Forest Sea Circular Economy Demonstration Area is situated to the west of the lake, covering an area of 8,000 hectares with over 16 million trees, representing 60% coverage. Each year, the forest absorbs 2.9 million tons of carbon dioxide, releases 2.6 million tons of oxygen, and digests and absorbs over 3 million tons of dust and impurities. The goal is to develop this area into a national-level agricultural circular economy demonstration area.

To help achieve peaking carbon emissions and carbon neutrality, enhance the capacity of solid waste disposal of emerging industries, and achieve the scale development of circular industries, 7.5 billion yuan and 2.5 billion yuan will be invested in the Southern Circular Economy Industrial Park and the Hangu Circular Economy Industrial Park.

Ecological Barrier

Tianjin is fully implementing Xi Jinping Thought on Ecological Civilization by formulating a comprehensive plan for national territorial space, and strictly safeguarding the "three zones and three lines". The "871" major ecological projects are further implemented. The green ecological barrier exceeded its goal with a 26% forest coverage rate and 65.1% blue-green space. The Haihe River's green core has been restored with 1.9 million cubic meters of earthwork, 47,000 trees planted, and 9600 mu of forest land and 4051 mu of arable land integrated and restored. Efforts continue to promote land reclamation and forest restoration.

In 2022, the ecological quality of summer vegetation in Tianjin reached its highest level since 2000, with three consecutive increases in the vegetation ecological quality index. The construction of green ecological barriers in Dongli, Jinnan, and Xiqing effectively reduced the urban heat island effect between the city proper and the Binhai New Area, reducing the urban heat island area to 1,830 square kilometers. The area with a strong heat island effect was reduced to 187 square kilometers, four times smaller than in 2015.

Through ecological protection, restoration, and biodiversity preservation, a wetland nature reserve system has been established in the wetland nature reserves of Beidagang, Qilihai, Dahuangpu, and Tuanbo, supplemented by wetland parks and marine parks. The total area of wetlands in the city has reached 2,956 square kilometers, over 59% of which are under protection. As a result, the degradation of wetlands has been effectively curbed.



Migratory Birds Flying Over Tuanpo Lake Wetland

Guarding the “Paradise for Birds”

More than one million migratory birds pass through Tianjin every year. Beidagang Wetland's professionals patrol and monitor to create an ideal migratory bird environment in Tianjin. The number of bird species has increased from 416 to 452, with Oriental White Storks increasing from 1,300 to over 5,000 in 2021, and Relict Gulls increasing from 11,000 to 16,000.

Two Wetland Parks in Tianjin Passed National Pilot Acceptance

On February 2nd, 2023, the 27th World Wetlands Day, Tianjin Zhouhe State Wetland Park, and Huanxiu Lake National Wetland Park were officially recognized. By the end of 2022, with the two parks passing national acceptance, Tianjin has established a wetland protection system consisting of four wetland nature reserves supplemented by five wetland-type nature parks.



The Vast and Misty Tuanpo Lake Wetland





Opening-up and Cooperation

- Sister Cities
- International Exchanges
- the Belt and Road Initiative (BRI)
- Attracting Investment
- International Conventions and Exhibitions

Tianjin has improved its industrial cooperation and trade exchanges with the US, EU, ASEAN, and Northeast Asia by optimizing the layout of “Luban Workshops” and participating in the “Belt and Road” initiative. It has also contributed to the China-Mongolia-Russia and China-Pakistan Economic Corridors and expanded exchanges and cooperation with Japan, Korea, and ASEAN countries through the Regional Comprehensive Economic Partnership Agreement (RCEP).

Sister Cities

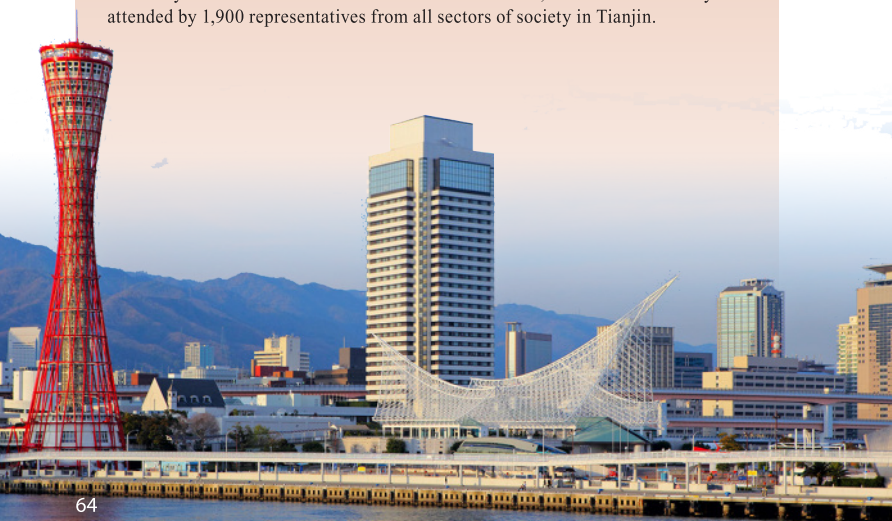
Focusing on port cities along the BRI, Tianjin has established friendly ties with 97 local governments from 52 countries. To diversify international exchanges and increase influence in the region, Tianjin organized events such as the Tianjin International Sister City Roundtable, the Seminar on International Port Cities along the BRI, and the International Forum on Urban Governance.

As the Chinese Lunar New Year of 2023 approached, several heads of Tianjin’s sister cities and organizations sent congratulatory videos to the people of Tianjin.

Kobe

Kobe, the capital of Hyogo Prefecture, is located on the northwest coast of Osaka Bay. Kobe is one of the key cities within the Hanshin Industrial Region, and its port boasts the largest container shipping facility in Japan.

In 1972, Mayor Tatsuo Miyazaki of Kobe led a Japan-China youth friendship swimming delegation to China, when Premier Zhou Enlai recommended the establishment of sister cities between Kobe and Tianjin. In the following year, Miyazaki visited China again as part of a mayoral delegation, and a signing ceremony was held between the two cities on June 24, 1973. The ceremony was attended by 1,900 representatives from all sectors of society in Tianjin.





Sister Cities of Tianjin, by February 2022

Sister City	Country	Starting Date
Kobe	 Japan	1973-06-24
Philadelphia	 United States	1979-12-06
Melbourne	 Australia	1980-05-05
Yokkaichi	 Japan	1980-10-28
Sarajevo	 Bosnia and Herzegovina	1981-05-28
Nord-Pas-de-Calais	 France	1984-10-10
Lombardy	 Italy	1985-05-09
Groningen	 Netherlands	1985-09-12
Chiba	 Japan	1986-05-07
Plovdiv Region	 Bulgaria	1989-10-15
Izmir	 Turkey	1991-09-23
Abidjan	 The Republic of Cote d'Ivoire	1992-09-26
Ulaanbaatar	 Mongolia	1992-09-27
Kharkiv	 Ukraine	1993-06-14
Jonkoping Municipality	 Sweden	1993-09-23
Incheon	 Republic of Korea	1993-12-07
Saarland	 Germany	1994-09-28
Lodz	 Poland	1994-10-11
Rio de Janeiro	 Brazil	1995-04-18
Orange County	 United States	1997-08-01
Estado do Amazonas	 Brazil	1997-10-20
Haiphong	 Viet Nam	1999-01-08
Wellington	 New Zealand	2011-07-23
East Java	 Indonesia	2012-09-24
CREA (Agglomeration community of Rouen- Elbeuf-Austreberthe)	 France	2013-05-21
Oregon State	 United States	2014-06-10
Reunion	 France	2014-10-17
Kolding (sister districts)	 Denmark	2015-11-15

In his video message, Kizo Hisamoto, the Mayor of Kobe, noted that Tianjin and Kobe were the first pair of sister cities between China and Japan. The Mayor hopes that the 50th anniversary this year will deepen their exchanges. Tianjin and Kobe made several “firsts”. Tianjin Port and Kobe Port established the first pair of friendship ports between China and another country. Radio Tianjin and Radio Kansai established the first friendship radio stations between China and Japan...



International Exchanges

Tianjin is an important gateway for China's international exchanges, having hosted over 1,000 state and party delegations, comprising over 15,000 people in the past decade. In 2021, it received nearly 300 diplomats, including 45 ambassadors. In June 2018, Tianjin received the visit of President Xi Jinping and Russian President Vladimir Putin, delivering high-quality reception. In recent years, it has successfully organized over ten important events regarding foreign affairs, such as the Sino-US Tianjin talks and the signing of the communiqué on the resumption of diplomatic ties between China and Nicaragua. All these events were developing Tianjin into an "international meeting room."



China-Russia Youth Ice Hockey Friendship Tournament

Chen Min'er, Secretary of the CPC Tianjin Municipal Committee, and Zhang Gong, Deputy Secretary and Mayor, met with Vietnamese Ambassador to China Pham Sao Mai and his delegation on January 13th, 2023. They discussed strengthening cooperation in fields, such as economy, trade, investment, agriculture, industry, tourism, education, and cultural exchanges, as well as deepening cooperation between sister cities.

Tianjin Mayor Zhang Gong met with Egypt's ambassador to China, Assem Hanafi, on February 6th, 2023. They discussed the Sino-Egyptian-TEDA Suez Economic and Trade Cooperation Zone and two Luban workshops in Egypt. The two parties also agreed to strengthen port collaboration and people-to-people exchanges at the local level.

On February 11th, 2023, Chen Min'er, Secretary of the CPC Tianjin Municipal Committee, and Zhang Gong, Deputy Secretary of the CPC Tianjin Municipal Committee and Mayor, met with a visiting delegation led by Sumiyabazar, Head of the Capital City MPP Committee, MPRP Leader, and Ulaanbaatar's Mayor in Tianjin. Since Tianjin and Ulaanbaatar became sister cities, they have improved their cooperation and worked toward common development.

Delegations Join Forces to Secure New Orders: Boosting Business for the Lunar New Year

Tianjin delegation visited Singapore and China's Hong Kong SAR and Macau SAR from February 15th to 24th, 2023. Focusing on "Ten Initiatives", the visit aimed to promote high-quality development in Tianjin. The delegation signed 40 agreements and MOUs covering projects in commercial real estate, science and technology innovation, intelligent manufacturing, and modern service, totaling 18.2 billion Yuan.

Tianjin-Belgrade Direct Flight Opened

Air Serbia launched its Tianjin-Belgrade direct flight on December 11, 2022, at Tianjin Binhai International Airport. Maja Stefanovic, the Serbian Ambassador to China, became one of the first passengers on the flight. She believed that the direct flight opened would facilitate Serbia's integration into the BRI and deepen bilateral trade and economic and people-to-people exchanges.



Serbian Ambassador to China Receiving the VIP Boarding Pass



Tianjin Binhai International Airport

the Belt and Road Initiative (BRI)

In 2022, Tianjin Port reached a milestone with imports and exports exceeding 2 trillion yuan for the first time, a 21.1% increase. Exports totaled 1.06 trillion yuan, up 28%, while imports were 950.3 billion yuan, up 14.2%. With this record, Tianjin Port ranked sixth among China's ports, one spot higher than the previous year. Among China's top ten ports, Tianjin ranked third in overall growth and first in export growth.

Tianjin Port's import and export activities with BRI countries drove foreign trade growth, contributing 670.8 billion yuan (a 41.2% increase, 33.4% of total). Moreover, since RCEP came into effect a year ago, it boosted trade with member countries to 642.17 billion yuan, up 20.4% from 2021, with double-digit growth

Total Import and
Export of Tianjin Ports

2.01 trillion

Export Growth

28%

Import Growth

14.2%

Imports and Exports with
BRI Countries

670.8 billion



Tianjin Port

in trade with ten members. Additionally, the China-Europe trains (CETS) resumed normal operation, with the first shipment under the new mode of “bonded + CETS.” A total of 93,000 TEUS boarded the CETS from Tianjin Port, up 60.3%.

The Luban Workshop has become a renowned brand for Tianjin to promote China’s international cooperation in vocational education and serve the BRI. With 21 workshops, including the first in Central Asia and a signature model in Egypt, it has been recognized as an achievement of the China-Africa Cooperation Forum and the SCO. Moreover, the Luban Workshop in Egypt has emerged as a signature model for African Luban workshops.

Launch of Luban Workshops in Tajikistan

On November 29th, 2022, a ceremony marking the launch of the Luban Workshop in Tajikistan was held simultaneously at the Tianjin Urban Construction Management Vocational and Technical College and the Tajikistan Technical University. The workshop offers courses on urban thermal energy application technology and engineering measurement technology. With professional bilingual teaching materials, practical training equipment, and digitized teaching resources, the workshop aims at providing technical training to Tajikistan youth.



Attracting Investment

Tianjin is committed to attracting business and opening up wider to the outside world. To this end, a special team has been established to conduct year-long special action to attract foreign investment.

Tianjin is developing a high-level opening-up platform and innovating its PFTZ, so as to achieve more breakthroughs in bio-medicine, network freight, cross-border data flow, and the oil and gas industry. By the end of 2022, 70% of the pilot tasks to expand the service industry were finished. In 2023, the city plans to launch the second batch of demonstration parks, and select mature ones for the connected innovation zone in the PFTZ.

In 2022, Tianjin approved 496 new foreign-invested enterprises and US\$14.925 billion of contracted foreign investment. Notably, it saw US\$5.95 billion of actual foreign investment, a 10.4% YoY increase, surpassing China's 5.5% growth rate. This is the second consecutive year of double-digit growth.



TJFTZ's Growing Role in Leading Opening-Up

TJFTZ has implemented innovative measures, including digital RMB factoring and customized urban metro leasing, which have been replicated throughout the city and the Beijing-Hebei region in 41 pilot experiences. It has attracted 82,000 market entities with US\$14.425 billion of foreign investment, implemented 581 institutional innovation measures, and replicated 38 pilot experiences and practical cases nationwide by the end of 2022.





The 6th WIC

International Conventions and Exhibitions

Tianjin aims to become the exhibition capital of the north by upgrading the industry, hosting large events, and becoming an international consumption center.

Tianjin successfully hosted the 6th World Intelligent Conference (WIC), unveiling the “China’s New Generation AI Technology Industry Development Report 2022”, “China’s New Generation AI Technology Industry Regional Competitiveness Evaluation Index 2022”, and the “WIC Intelligent Technology Innovation and Application Excellence Case.” The 7th WIC in 2023 will take place at the National Convention and Exhibition Center (Tianjin), featuring eight exhibition halls and outdoor exhibition areas, spanning 120,000 square meters. The event will showcase 12 thematic exhibitions, such as smart manufacturing, smart education, digital finance, and aerospace, as well as smart experience section.



Meijiang Convention and Exhibition Center



National Convention and Exhibition Center (Tianjin)

Tianjin will actively leverage the National Convention and Exhibition Center (Tianjin) and Meijiang Convention and Exhibition Center to attract more conventions and exhibitions. In 2023, it will hold the 2nd Vocational Skills Competition of the PRC, the 14th China International Seed Expo, China International Foundry Expo, Bihai Fishing Tackle Industry Expo, 2023 China (Tianjin) Printing and Packaging Industry Expo, 2023 China (Tianjin) International Automobile Exhibition, China Tourism Industry Expo, Ice Cream China 2023 (Tianjin), the 24th Tianjin International Jewelry Fair, China North International Bicycle & E-bike Exhibition, and more. The city will integrate exhibitions with tourism to undertake targeted promotional activities.







Public Wellbeing

- Education
- Public Health Services
- People's Livelihood
- Social Assistance

Education

Basic Education

Tianjin is accelerating the building of a high-quality education system and enhancing the integration of moral, intellectual, physical, aesthetic, and labor education. It has included the expansion of enrollment for compulsory education into 20 public interest projects for two consecutive years. In 2022, the city built and expanded 39 compulsory education schools and added 45,000 seats. Over the past five years, 134,000 seats have been added to preschool education and 147,000 to compulsory education. As of the end of 2022, there were 542 secondary schools providing education to 571,100 students (including 192,800 entrants and 164,600 graduates), 884 primary schools to 770,900 students (including 124,300 entrants and 118,900 graduates), and 2,381 kindergartens to 319,000 children.

In 2023, Tianjin will commit to building the national program for comprehensive reform of basic education and add 22,000 seats to compulsory education schools and 8,500 to senior high schools. It will also promote integration between industry and education, build world-class universities and first-class disciplines, and develop itself into a model area for ideological and political education.

Newly Added
Seats in 2022

45,000

Students in
Secondary
Schools in 2022

571,100

Students
in Primary
Schools in 2022

770,900

Children in
Kindergartens
in 2022

319,000



Tianjin Nankai Middle School



A High-quality and Balanced Basic Education System

In 2022, 67 new privately-run non-profit kindergartens were open to the public, bringing the coverage rate of kindergartens of this type to 84.9%. The three-year action plan for improving educational resources in senior high schools was carried out, and the “Brand Senior High School” project was launched in 30 schools and the “Excellent School Project” in 35 schools. Evaluation of 54 characteristic course bases was also completed. 32 schools signed cooperation agreements and 10 education blocs and 82 school-running groups were formed, promoting the development of 176 member schools.

Vocational Education

As China’s first vocational education reform zone and the only demonstration zone, Tianjin has built a modern vocational education system, which integrates industry, enterprises, and classroom and on-site instruction. As of August 2022, the “Tianjin Mode” has taken shape. Currently, 376 undergraduate programs in vocational colleges are preparing students for modern service industries. Over the past five years, more than 260,000 well-trained students have graduated, 58% of whom have worked in Tianjin and produced economic value worth 220 million yuan.



Tianjin Sino-German University of Applied Sciences

Tianjin Sino-German University of Applied Sciences, China's first university of this type, has established connections with over a hundred enterprises, offering customized training to over 3,000 students. In the past three years, about 67,000 students have applied for over 500 certificate programs. 17 pilot programs aimed at exploring the modern apprenticeship system have been launched. Tianjin has also formed seven vocational education guidance committees and 31 vocational education blocs featuring industry-education integration. Mixed-ownership reform of vocational schools has borne fruit as seen in the establishment of 360 Network Security Industrial College, the National Animation Industrial College, and the Kunpeng Industrial College.



Tianjin University of Technology and Education (TUTE)

Jointly established by the Ministry of Education, the Tianjin Municipal Government, and the Ministry of Human Resources and Social Security, TUTE is China's first normal university aimed at preparing students to be teachers for vocational education and one of China's first providers of educational support for foreign countries. Over the past four decades, the university has produced over 70,000 high-quality vocational teachers and senior technicians and has provided vocational training for 1,200 students from over 60 countries. It is also home to international students from more than 20 countries who are pursuing bachelor's, master's, and doctoral degrees.



Luban Workshop, a “Tianjin Initiative” for Vocational Education

Since the launch of the Luban Workshop in Thailand in 2016, Tianjin has set up 21 workshops in 20 countries in Europe, Asia, and Africa, forming a vocational education system that covers secondary education and higher education and involves both technical training and degree programs. Up to now, more than 3,000 people have obtained degrees, and over 12,000 have been trained for Chinese-funded enterprises or local companies in partner countries. The Luban Workshop in the UK, the first one established in Europe, offers training in Chinese culinary skills, which has been incorporated into the UK’s vocational qualification framework.



The Third “Haihe Craftsman Cup” Skills Competition

The competition has a total of 116 events connected with the World Skills Competition and the National Skills Competition. Closely following the high standards of the two competitions, it prepares outstanding competitors and event organizers for the upcoming Second National Skills Competition, which is to be held in Tianjin.



NDT Competition



Printing Technology Competition

Higher Education

Tianjin is active in helping higher education institutions to improve capabilities for innovation and public services. In 2022, five universities, namely, Nankai University, Tianjin University, Tianjin Medical University, Tianjin University of Traditional Chinese Medicine, and Tiangong University, with their 14 outstanding disciplines, were incorporated into the new round of China’s “Double First-Class” list. The city is promoting programs aimed at fostering top-notch disciplines and serving industries. The Emerging Engineering Education has been established at Tianjin

Higher education institutions graduated **1.6 million** students

30 Academicians of the Chinese Academy of Sciences and Chinese Academy of Engineering and More than **900** national talents

“Double First-Class” Program

- **5** universities
- **14** disciplines

More than **470** hi-tech enterprises started running in **8** university tech parks

National-level Disciplines and Courses

- **319** undergraduate disciplines
- **140** undergraduate courses

The number of patents owned by universities has increased nearly threefold in ten years

University. 319 undergraduate disciplines and 140 courses were rated national level. More than 470 hi-tech enterprises started running in eight university tech parks. The first national seismic engineering simulation research infrastructure and the national center for clinical research were also built in Tianjin. The number of patents owned by universities has increased nearly threefold in ten years.

At the end of 2022, 24 institutions and universities were offering postgraduate programs to 92,800 postgraduate students, including 31,600 entrants and 24,000 graduates, and 30 colleges and universities to 594,500 undergraduate students, including 170,700 freshmen and 156,000 senior students.

Institutions and

Universities Offering
Postgraduate Programs

24

Postgraduate
Students

92,800

Colleges and
Universities

30

Undergraduate
Students

594,500



Nankai University (photo by Wang Yinghao)

Nankai University, founded in 1919 by great educators Yan Xiu and Zhang Boling, is a globally renowned university directly under the administration of the Ministry of Education and the alma mater of the PRC's first Premier Zhou Enlai. Following the motto of "dedication to public interests, acquisition of all-round capability, and aspiration for progress with each passing day", the university has produced many notable graduates and made significant contributions to China's revitalization.

On July 10, 2022, the opening ceremony of the 54th International Chemistry Olympiad was held at Nankai University. This great annual academic competition for high school students had been once held in Beijing in 1995.



Tianjin University is a highly reputed university directly under the administration of the Ministry of Education. Its predecessor Peiyang University, founded in 1895 with the tenet of “developing education to save the nation”, was China’s first modern university. Upholding its motto of “seeking truth from facts”, it has produced leading professionals in many fields. Its most outstanding alumni include economist Ma Yinchu, diplomat Wang Zhengting, mathematician Qin Fen, poet Xu Zhimo, metallurgist Wang Chongyou, and jurist Wang Chonghui. Bridge expert Mao Yisheng, machinery engineer Shi Zhiren, chemical expert Hou Debang, and many prominent scholars have taught at the university. Zhimo, metallurgist Wang Chongyou, and jurist Wang Chonghui. Bridge expert Mao Yisheng, machinery engineer Shi Zhiren, chemical expert Hou Debang, and many prominent scholars have taught at the university.



Tianjin University (photo by Wang Yinghao)

Popular Science Education Centers of Nankai University

Nankai University’s Biological Popular Science Education Center, Nankai University Museum, and Center for Coding Systems are recognized as municipal-level centers for promoting popular science, making the number of such bases in Nankai reach six. By organizing science camps and science weeks and sharing stories of scientists, the university has contributed greatly to popular science education.



Nankai University Museum

Peiyang Chorus Wins Gold Medal

At the 2023 Brahms International Winter Choral Festival held in Austria, the Peiyang Chorus of Tianjin University was awarded the Gold Medal of Brahms Portfolio Group and Sun Chenyu won the Outstanding Conductor Award. The chorus, formerly known as the Peiyang University Singing Group, has now become an outstanding art performing troupe and has attended many international art events on behalf of China. It has been honored by the International Federation for Choral Music as a world-class chorus. Today, it has become a showcase for Chinese university students to the world.

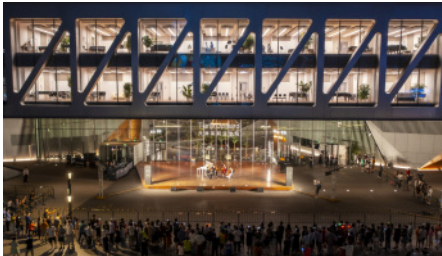


Tianjin Medical University was founded in 1951 under the name of Tianjin Medical College, whose first president Zhu Xianyi is a renowned endocrinologist. Hospitals affiliated with the university have 17 state-level clinical specialty projects and five hospitals have been approved to build 13 national centers for clinical research. The university has entered partnerships with 98 leading universities and research institutes in 26 countries and has formed a foreign expert advisory committee. It ranks among the top in China in terms of international student education.

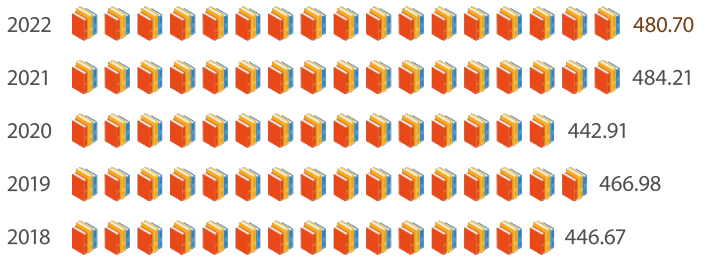


Tianjin Medical University

The Tianjin Juilliard School offers high-level art education and promotes cultural exchanges between China and the United States. The school has a construction area of 45,000 square meters, with two floors underground and six floors above ground, totaling a height of 38 meters. It comprises four faceted pavilions housing a concert hall, a recital hall, a black box theater, and administrative and rehearsal programs. The pavilions are connected by five bridges that serve as instructional spaces. It wins the China Construction Engineering Luban Prize for its unique architectural style and state-of-the-art acoustic design.



**Tianjin Government Budget for Education
(RMB 100 million)**



Public Health Services

Tianjin is upgrading its public health and medical services system, placing equal emphasis on medical treatment and disease prevention, medical care and emergency services, and traditional Chinese medicine (TCM) and Western medicine. Measures concerning centralized procurement of drugs were developed. Through the procurement, the average price reduction of the selected coronary stents and artificial joints reached 93% and 82%, respectively. A direct settlement mechanism between the medical insurance fund and pharmaceutical businesses was formed, with a total settlement of 2.059 billion yuan, which greatly reduced transaction costs for the businesses. With the support of the Tianjin Medical and Healthcare Digital Management Platform, Tianjin is building a digital community for medical and health institutions, ushering in a new era for Tianjin Medical Union. As of the end of 2022, there were 6,282 health institutions with 68,500 beds in the city, including 435 hospitals with 62,200 beds. They are staffed by 124,400 health workers, including 52,500 licensed (assistant) doctors and 48,300 nurses.

Health Institutions

6,282

Hospitals

435

Number of Beds

68,500

Health Workers

124,400*Tianjin Medical University General Hospital**The First Affiliated Hospital of Tianjin TCM University**TEDA International Cardiovascular Hospital*



Major Medical Institutions in Tianjin

Hospital

Brief Introduction

Wechat Official Account

Tianjin Medical University General Hospital

A national Grade A hospital, and a designated hospital for overseas staff; one of China's five major hospitals at the time of its founding; a comprehensive university integrating medical treatment, teaching, research, and disease prevention; a leading medical center in Tianjin; listed in China's "Double First-Class Initiative."



Tianjin First Central Hospital

A national Grade A hospital, and a designated hospital for overseas staff; a comprehensive hospital integrating medical treatment, teaching, research, and disease prevention; distinctive in organ transplantation, emergency medical treatment, and otolaryngology; one of the three leading medical centers in Tianjin.



TEDA International Cardiovascular Hospital

A national Grade A cardiovascular hospital and cardiovascular research institute; cardiovascular clinical center of Tianjin Medical University, state base for coronary heart disease and arrhythmia interventional treatment; National Training Base for Interventional Treatment of Coronary Heart Disease and Arrhythmias, interventional treatment; a state training center for resident physicians; twice validated as HIMSS stage 7 provider.



Tianjin Children's Hospital

A national Grade A comprehensive pediatric hospital integrating medical treatment, teaching, research, disease prevention, health care, rehabilitation, and health management; its main branch on Machang Road and the other branch in Longyan offer 1,721 beds, serving patients of the entire North China.



Tianjin Central Obstetrics and Gynecology Hospital

A national Grade A obstetrics and gynecology hospital integrating medical treatment, teaching, research, and disease prevention; a hospital affiliated to Nankai University; clinical hospital of Tianjin Medical University; a teaching center for Tianjin TCM University and Tianjin Meical College.



Tianjin Cancer Hospital

A national Grade A hospital integrating medical treatment, teaching, research, and disease prevention; cradle of cancer medicine in China; one of the largest research centers on cancer prevention and treatment; one of the first national clinical medical research centres for cancer.



The First Affiliated Hospital of Tianjin TCM University

A national Grade A hospital, China's Top 100 hospital; National Clinical Medical Research Centre for Acupuncture, National TCM Clinical Research Base (Stroke and Coronary Heart Diseases), one of the three leading medical centers in Tianjin.



Tianjin Chest Hospital

A national Grade A hospital, integrating medical treatment, teaching, research, and disease prevention; specialized in heart and lung diseases; The number of cardiovascular intervention, cardiac electrophysiological treatment cases and cardiac surgery are among the top in China.





Major Medical Institutions in Tianjin

Hospital

Brief Introduction

Wechat
Official Account

Tianjin Huanhu
Hospital

A national Grade A hospital, integrating medical treatment, teaching, research, disease prevention, and rehabilitation; specialized in neurology and neurological surgery; National key clinical specialty of neurosurgery; Regional Medical Center for neurological diseases



Institute of
Hematology and
Blood Diseases
Hospital, Chinese
Academy of
Medical Sciences
and Peking Union
Medical College

The only Grade A blood disease hospital in China; a globally leading medical institute in diagnosis and treatment of blood diseases, especially malignant blood diseases.



People's Livelihood

Tianjin spends more than 70% of its fiscal expenditure on improving people's livelihoods. Every year, the city carries out 20 public interest projects, steadily enabling its residents to live a better life.

Thanks to support policies, employment has steadily grown. New job opportunities have been created for 2.1 million people, including 200,000 people facing employment difficulties. In 2022, 1,976 recruiting events were held, with 62,000 companies providing 1.258 million positions. 31,800 people with difficulties in job hunting and 90,800 unemployed people found jobs. The number of zero-employment households remained at zero, and the number of the city's newly employed population reached 360,500.

Efforts have also been made to enhance housing security and improve living conditions. The long-standing problem of housing ownership certificates was settled for 440,000 households. The three-year action plan to transform shanty



Tiyuanbei Residential Area

Cheaper Bus Transfer Service in Tianjin

In Tianjin, within 90 minutes of the first ride on any regular bus line owned by the Tianjin Bus Group, passengers can enjoy two transfer discounts, each of which reduces the fare by 2 yuan. Starting from January 1, 2023, passengers who pay for their ride using the Tianjin Public Transport APP, Alipay Tianjin Public Transport Mini Program, WeChat mini program, Tianjin City Card, or Tianjin Public Transport IC Card can enjoy the discount.

towns in the urban areas was completed, with 300,000 residents moving into new apartments. In 2022, 3,100 resettlement houses were built, with a total area of 248,000 square meters. Moreover, 160 affordable rental housing projects with 61,000 apartments (rooms) were rolled out. Rent subsidies worth 464 million yuan were given to 78,000 low- and middle-income families. The central heating period has been extended every year, which has always been welcomed by the people.

Progress has also been made in community-based elderly care services. In 2022, 101 comprehensive elderly care centers were set up, 1,208 family elderly care beds were provided, and 1,102 caregivers for disabled seniors were trained. More primary-level digital health communities were established, with cloud platforms covering 2,544 community health service stations and village clinics. Chronic disease management centers were upgraded, and 26 of them became model centers.

Social Assistance

Tianjin has set up an information monitoring platform for low-income populations with complete relevant data. "Measures for Reforming the Social Assistance System" was issued, in which procedures for verifying the eligibility of recipients of subsistence allowances were revised. Tianjin also carried out pilot reforms in delegating the authority of verification to the communities (townships) in all its 16 districts. Measures concerning medical insurance and assistance for people with serious diseases were carried out, effectively preventing poverty caused by illness. From July 1, 2022, monthly unemployment insurance has been increased by 90 yuan per person, benefiting 126,000 people.

In 2022, Tianjin spent 2.285 billion yuan on social assistance. 151,000 people received medical aid worth a total of 300 million yuan. 2.88 million people are registering on the Tianjin Volunteer Service Network, taking up over 20% of the city's permanent population. The number of registered voluntary service teams totals 18,826.

Eligibility for Social Assistance Expanded

According to the newly revised “Measures for Verifying Eligibility for Social Assistance”, families that have a member suffering from a serious illness or severe disability and need a motor vehicle for long-term medical treatment can have one motor vehicle registered under a family member’s name. Households whose savings per family member exceeds the urban and rural subsistence allowance standards for 24 months due to treatment are still eligible for social assistance.

Barrier-free Remodeling

In 2022, the government helped 2,360 households with barrier-free remodeling and provided assistive devices for 4,001 households such as phones for visually impaired people and anti-lost wristbands, which won applause from all recipients of aid. 2,530 people with disabilities were trained on how to use assistive devices. The first-ever innovation and entrepreneurship competition for disabled college students was hosted. 22 job fairs for people with disabilities and 210 similar events were held, offering a total of 5,607 new jobs.



Heping District 8910 Smart Elderly Care Service Platform



*"Our Binhai New Area is so Beautiful!"
(photo by Cui Xianwei)*



During the "Science Popularization Saturday" Event in Beichen District, Volunteers Distributed Promotional Materials to Citizens



9

Culture and Tourism

- Intangible Cultural Heritages
- Folk Customs and Culture
 - Cultural Facilities
 - Travel and Tourism



Tianjin, a well-known historical city in China, boasts various cultural arts and tourism resources. It is home to 49 national intangible cultural heritages such as Yangliuqing woodblock new year paintings and “Clay Figurine Zhang” colored sculptures, historical heritages along the Grand Canal, Mazu culture, operas, folk performing arts, and other forms of folk cultures and arts. And the city enjoys 2 national AAAAA-level tourist areas and 33 national AAAA-level ones.

Tianjin remains actively engaged in promoting high-quality cultural tourism. For many years in a row, it has been the host of such major events as the Wudadao Tourism Festival, the Haihe Cultural Tourism Festival, the Great Wall Marathon, and the Mazu Cultural Tourism Festival. In 2022, the “I Love Tianjin” tourism initiative was also launched.

Proactive measures have been taken to build platforms for international cultural exchanges. The Tianjin Art Museum has hosted the first photography exhibition in celebration of the 30th anniversary of diplomatic relations between China and Israel. And Tianjin Natural History Museum has held for two consecutive years special exhibitions featuring the “Mois franco-chinois de l’environnement” to promote international academic and cultural exchanges.

In 2022, Tianjin also held the Seventh Citizens’ Culture and Art Festival and organized performances involving many local communities. The 13th China Art Festival was successfully held, with many brilliant and award-winning stage productions, including traditional Chinese operas and plays. Tianjin Museum made substantial progress in planning digital exhibitions of cultural relics, and the “Chinese Medicine and Cultural Heritage Exhibition” of the Peking-Tianjin Campaign Memorial Museum was listed in the 100 exhibitions endorsed by the National Cultural Heritage Administration.



The First-of-Its-Kind Tianjin Cultural Welfare Card: A Benchmark in China



Tianjin is the first city in China to offer subsidies directly to citizens instead of performance troupes, allowing them to enjoy various performances ranging from operas and dramas to songs and dances with subsidized and discounted tickets. In total, over 800,000 people have applied for the Cultural Welfare Card, with the government's subsidies reaching more than RMB 250 million yuan. Each year, as many as one thousand cultural events are organized by the citizens themselves.



Olympic Sculpture Park - Samaranch Memorial Hall

Three Special Travel Routes Designed by Jinghai District

In 2022, Jinghai District of Tianjin designed three special travel routes, namely the Grand Canal Route, the Linhai Route on the west, and the Tuanbo Lake Route on the east, forming a three-pronged structure of tourism.

The Grand Canal Route is designed along the Grand Canal axis with three sub-routes. The first passes through the Duliu Old Street, the Duliu Wooden Bridge, the Duliu Distillery, the Duliu Vinegar Factory, and the Spring Farm; the second covers the East Wutai Temple, the Chengquantun Grand Canal Museum, the Art Exhibition Hall in Lüguantun, the Peach Blossom Garden, and the Jiuxuan Floodgate; and the third crosses the Duoxing Manor, the Pear Blossom Garden, the Newton Manor, and the Beiyuejiayuan Village.

The Linhai Route includes such attractions as the Linhai Demonstration Area, the Begonia Garden, the Tianying Farm, and the Bei'erbao Village in Taitou. It allows both urban and rural residents to experience an idyllic life with its farming and picking activities and learn about the Wadian culture and science and research.

The Tuanbo Lake Route is designed with a focus on health, wellness, and ecotourism. Covering the whole area of the China-Japan (Tianjin) Health Industry Development Cooperation Demonstration Zone, and connecting the Grand Canal and the Linhai area, it enjoys both natural scenery and cultural splendor.



Tianjin's Promotion of Sports Tourism

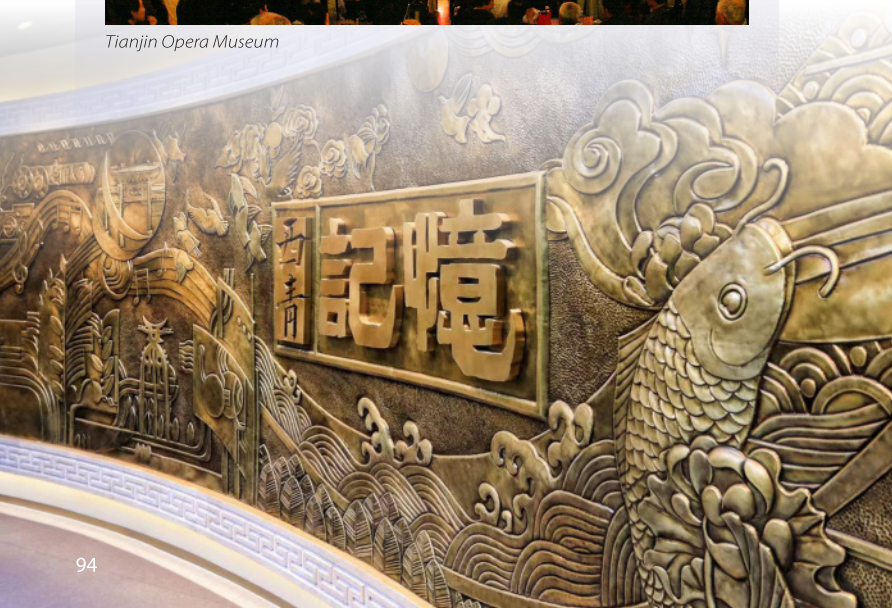
“The Action Plan for Building Tianjin into a “City of Sports”” (2022-2030)” proposes that the city’s rich resources should be made full use of to build comprehensive sports centers and design routes for sports tourism. For example, the city will build a national ocean sports center in Binhai for sports and leisure, a mountain sports site in Jizhou, a water sports site near the Haihe River, and a sports circle around Tuanbo Lake. By 2025, three national demonstration bases for sports tourism will also be established.

Tianjin's Various Measures to Boost Cultural Tourism and Business

Since November 2022, Tianjin has been committed to speeding up the growth of cultural tourism and business through a series of online and offline activities, such as livestream shopping and offering coupons. Up to now, there have been more than 300 million searches on social media related to these activities, directly contributing to RMB 94.831 million spent on consumption, and, as a collateral effect, another RMB 600 million spent.



Tianjin Opera Museum



Intangible Cultural Heritages

Yangliuqing Woodblock New Year Paintings

are well-known in China. Originating in the ancient town of Yangliuqing during the Chongzhen Emperor's reign (1628-1644), they feature a combination of the essences of Chinese fine brush paintings in heavy color and folk woodblock paintings. With realistic and symbolic techniques, they serve as records of local people's daily life, folk customs, and historical stories. And popular among the people, they are acclaimed as the acme of Chinese woodblock new year paintings. In May 2006, Yangliuqing woodblock new year paintings were included in the first national intangible cultural heritage list.



Zhang Mingshan, Founder of the "Clay Figurine Zhang"



A Statue of Liu Guohua by Zhang Mingshan

"Clay Figurine Zhang" Colored Sculptures are well-known traditional handicrafts of Tianjin. Zhang Mingshan (1826-1906), founder of the "Clay Figurine Zhang", developed a unique technique to mold true-to-life clay figurines within his sleeves without looking. His creations, whose themes ranged from folk customs and folk stories to staged operas, were not only exquisite in shape but also vivid in spirit. Made from well-chosen materials in bright colors, the clay figurines would remain lifelike and intact over a long period of time.



Wei Guoqi, a Representative Inheritor of National Intangible Cultural Heritage Projects, and the Fourth Generation Inheritor of "Kite Wei"

"Kite Wei" created by Wei Yuntai (1872-1961), enjoys a history of more than 100 years. A famous kite craftsman, Wei dedicated himself to kite-making, creating over 200 kinds of kites in his life, in such styles as flat style, cubic style, stringed style, integrated style, and combinational style. Assemblable and foldable, the kite is a wonderful folk handicraft ideal for appreciation, collection, and entertainment. In 1914, Kite Wei won the gold medal at Expocomer and has since become an artistic treasure favored by museums at home and abroad.

Yidecheng Snuff traces its history back to 1710, the forty-ninth year of the Kangxi Emperor's reign (1661-1722). "Snuff", a colloquial name, refers to a remedy in traditional Chinese medicine that helps to refresh the body and ward off epidemic diseases through nasal inhalation. Yidecheng snuff is made from finely ground tobacco of high quality mixed with jasmine, musk, sandalwood, cloves and other herbs. Together they are smoked and sealed in a clay jar for aging, before they are taken out years or decades later to be smoked again with fresh jasmine and then put on sale.



Yidecheng Snuff

By June 2022, Tianjin had 49 national intangible cultural heritages and 350 municipal ones.

A List of National Intangible Cultural Heritages in Tianjin



Traditional Skills

Tianjin Goubuli Steamed Stuffed Bun Making Skills

Kite Wei Making Skills

Tianjin Laomeihua Manual Shoe-making Skills

Guifaxiang Shibajie Fired Dough Twists Making Skills

Duliu Vinegar Brewing Skills

Theatrical Boots Making Skills

Restoration Skills of Ancient Books in Tianjin

Tianjin Gourd Making Skills

Folk Customs

Tianjin Huanghui, celebrations for the Queen of Heaven

Gegu Baonianhui

Traditional Folk Arts

Xiangsheng

Jingdong Drum

Tianjin Shidiao

Plum Blossom Drum

Luo Style Jingyun Drum

Xihe Drum

Single String Tune

Traditional Opera

Hebei Bangzi

Pingju Opera

Baodi Pingju Opera

Peking Opera

Folk Literature

Legends of the Yangs

Traditional Dance

Ximatou Bairenjing Stilt Dancing

Traditional Fine Art

Tianjin Clay Figurine Zhang (Nankai)

Tianjin Clay Figure Zhang (Tianjin Clay Figure Zhang Color Sculpture Studio)

Yangliuqing Woodblock New Year Paintings (Tianjin Yangliuqing Painting Society)

Yangliuqing Woodblock New Year Paintings (Xiqing District)

Tianjin Dough Sculptures

Traditional Music

Xiangta Music Buddhist Drum

Guajia Temple Qingyin Buddhist Drum

Hangu Cymbal

Yangjiazhuang Yongyin Buddhist Drum

Liuyuan Xiangyin Buddhist Drum

Traditional Medicine

Angong Niu Huang Pills Making Skills

Yidecheng Snuffing Medicine Making Skills

Darentang Qinggong-shoutao Pills Making Skills

Jingwanhong Ointment Recipe and Making Skills

Longshunrong Tianjin Medicine Making Skills

Jingu Zangfu Massage

Darentang Bezoar Qingxin Pills Making Skills

Hongrentang Zixue Powder Making Skills

Traditional Sports, Entertainment and Acrobatics

Li's Tai Chi

Lanshoumen Martial Art

Classical Play Tricks

The Hui's Heavy-Sword Martial Art

Mu's Shuttlecock

Wu Chi

Daliufen Village Pole Climbing

Yongliang Flying Fork

Folk Customs and Culture

Mazu Culture originating in the Song Dynasty, began to take shape in the Yuan Dynasty, and gradually became more and more popular, especially in modern times. It is characteristic of China's marine culture, as evidenced by people's putting up Mazu statues on ships, an act of worship, to pray for safe sailing. A distinctive local culture as well as a cultural symbol in Tianjin, Mazu culture has an important impact on the formation and development of the city.

Tianjin Tianhou Temple

Tianjin Tianhou Temple, built in 1326 outside the east gate of Tianjin City, is one of the three major Mazu temples in the world, the other two being the Mazu Temple in Meizhou, Fujian, and the Chaotian Temple in Beigang, Taiwan. Formerly called Tianfei Temple, it is the oldest architectural complex in Tianjin surviving multiple renovations, and one of the earliest existent Mazu temples in China. In February 2023, a delegation from the Taiwan Mazu Fellowship paid a visit to the Temple.



Tianjin Tianhou Temple

“Comic City”

Tianjin is colloquially referred to as the “comic city”, with most Tianjin people having a great sense of humor. A visit to Tianjin without watching crosstalk performances is not worth it. And you cannot go a day in Tianjin without seeing the teahouses almost full of people appreciating crosstalk. It may well be said that crosstalk has become an indispensable part of Tianjin people’s lives.

Xiangsheng, or crosstalk, is an art form in northern China, originating in Beijing in the Qing Dynasty, yet reaching its maturity in Tianjin. Hence the saying that “Crosstalk was born in Beijing, but grew up in Tianjin”. Tianjin is believed to be a mecca for crosstalk performers. In the 1920s when Tianjin’s crosstalk was prospering, performers frequently traveled back and forth between Tianjin and Beijing, and many of them performed in Tianjin at first before fame carried them to other parts of China.

Ma Sanli, a crosstalk master, dedicated his life to crosstalk, with which he satirized falsehood and ugliness while praising truth, goodness, and beauty. He developed a unique artistic style of his own, and significantly promoted the development of crosstalk art. The Deyun Club (Tianjin), one of whose founders is Guo Degang, a native of the city, has already delivered a large number of crosstalk performances to its audiences since its opening in 2021.



Ma Sanli Jingyun Drum Performed by Deyun Club

Opera and Quyi Tianjin, heralded as the “hometown of Quyi”, sees the formation and development of many operas and art forms. Among them, Tianjin Shidiao (popular tunes), Tianjin Kuaiban, and Jingyun Drum originated and formed in Tianjin, while crosstalk, Peking Opera, Pingju Opera, and Hebei Bangzi flourished and developed in the city. Having nurtured hundreds of crosstalk artists, Tianjin is widely recognized as the cradle of crosstalk masters in China. And crosstalk, Pingju Opera, Hebei Bangzi, Tianjin Shidiao, and Plum Blossom Drum have all been selected as representative items of national intangible cultural heritages.



Deyun Club (Tianjin)

Cultural Facilities

By the end of 2022, the city had a total of 258 art performance teams, 17 cultural centers, 72 museums, 20 public libraries, and 257 community comprehensive cultural stations. Throughout the year, the city's 119 cinemas offered 822,600 screenings of movies to 7,292,100 viewers, generating RMB 310 million in box office revenue.

Art Performance Groups Cultural Centers

258

17

Public Libraries

Museums

20

72

Film Screening Units

Cultural Stations

119

257

Tianjin Cultural Center the largest public cultural facility in Tianjin, serves an important role in fostering the development and prosperity of the city's culture. Its main buildings include Tianjin Grand Theater, Tianjin Museum, Tianjin Art Museum, Tianjin Library, Tianjin Natural History Museum, Tianjin Sunshine Paradise, and the Mixc (Tianjin).



Tianjin Cultural Center



MixC Tianjin



Tianjin Library



Tianjin Radio and Television Tower

Tianjin Grand Theater consisting of an opera hall, a concert hall, a small theater, and a multi-functional hall, is a comprehensive, multi-functional institution for art creation and performance. With the most advanced sound and lighting systems and fully automatic mechanical stage platforms, the theater is capable of delivering various kinds of performances such as symphonies, dramas, and operas. The façade of the Theater faces a lake, with extended platforms creating extra space that serves as an open “urban stage”.

Tianjin Museum one of the oldest in China, came into existence in the 20th century when four types of museums and institutes in Tianjin were combined into one. It features an extensive collection of ancient Chinese artworks and historical documents. In addition to 200,000 books and reference materials, the museum houses nearly 200,000 works of art and documents, including art objects made of bronze and ceramics, calligraphy and painting, jade, Dunhuang manuscripts, art crafts made of bamboo, wood, ivory and horn, and modern historical literature.

Tianjin Natural History Museum founded as Beijiang Museum in 1914, is one of the first national-level museums and a model for national patriotic education. With two branch museums, the new one in Tianjin Cultural Center on Youyi Road and the old Beijiang Museum, it boasts a collection of 380,000 biological specimens, including over 1,400 type specimens and more than 1,300 rare items of the first and second classes. The museum is also the first panoramic theme museum of natural history in China.

Tianjin Radio and Television Tower also referred to as “Sky Tower”, is located near the southern end of Niegong Bridge, at the intersection of Zijinshan Road and Weijin South Road in Hexi District of Tianjin. Surrounded by a lake, the 415.2-meter-high tower is the only one in the world that stands on the water.



Tianjin Grand Theatre

Tianjin Library founded in 1908 as Zhili Library, is a provincial-level public library rated as a “first-class library” by the Ministry of Culture and Tourism. Consisting of four branch libraries, it boasts a large collection of 9.14 million books and documents, among which are 7.91 million books in Chinese and foreign languages, 590,000 ancient books, 450,000 bound volumes of Chinese and foreign newspapers and periodicals, and 190,000 sets of audiovisual documents.

Tianjin Art Museum dedicated to aesthetic education and international cultural exchange, establishes itself as a collector, exhibitor, researcher, and promoter of works of modern and contemporary artists. With a floor area of 28,065 square meters, the Museum leads the way in meeting the various needs of exhibitions of different types and scales at home and abroad.





Tianjin Concert Hall

Tianjin Concert Hall was originally a cinema called Ping'an Cinema built in 1922, the first of its kind in the city. In 1956, it was renamed Tianjin Concert Hall and transformed into a professional music venue that held big concerts. And it was not until 2005 that efforts were made to rebuild the hall, with a brand-new Tianjin Concert Hall thus erected. A cultural landmark in Tianjin, the Hall was designed in the shape of a ship, with a golden dome sitting on top of columns and pilasters decorated with elaborate carvings, hence the name the “Golden Hall” of Tianjin.





Tianjin Binhai Cultural Center

Tianjin Binhai Cultural Center is located in the central business district of Binhai New Area. With a gross floor area of 312,000 square meters, it is composed of Binhai Art Museum, Binhai Science and Technology Museum, Binhai Library, Binhai Performing Arts Center, Citizen Activity Center, and Cultural Gallery. The multi-functional and magnificent center has become a cultural landmark not only in Tianjin but also in the Beijing-Tianjin-Hebei region.

National Maritime Museum of China located in the Sino-Singapore Tianjin Eco-city, is the only comprehensive maritime museum in China dedicated to collections and exhibitions as well as research and education. It has



The National Maritime Museum

established its authority as a center for the collection and protection of maritime cultural relics, for research on maritime civilizations, for the exchange and promotion of maritime culture, and for maritime experiences. Exhibitions at the museum center around “Humanity and the Sea”, providing important lessons on maritime civilizations and maritime resources.

Travel and Tourism

With the largest port in northern China, Tianjin is a city where tradition and modernity meet. While it enjoys a history of over 600 years, the historical city allows modern ways of living. And not only are there teahouses delivering traditional crosstalk performances, but also Western-style buildings presenting the beauty of modern architecture.

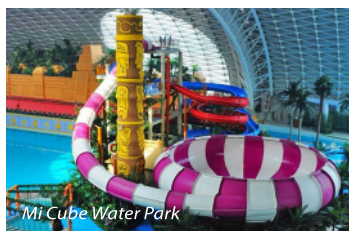
The city's Panshan Mountain and Dagukou Fort Ruins Museum are among the first 47 exemplars of civilized tourism, and Tianjin Dongjiangwan Beach Scenic Area is included in the first national demonstration bases for sports tourism. Another 5 tourist areas, including the Former Residence of Zhang Xueliang and Jiubo Wine Culture Museum, are rated as national AAA-level ones, and the Ancient Town of Yangliuqing in Xiqing District is included in the first 54 national neighborhoods for tourism and leisure.

Committed to accelerating the building of the Tianjin section of the Grand Canal National Cultural Park and a belt region for tourism along the Haihe River and the Grand Canal, Tianjin has rolled out ten special travel routes featuring the Canal, carried out restoration and protection work on the cultural relics along the Canal and the Great Wall at Huangya Pass, and implemented the development plan “A Rendezvous with Tianjin”. Throughout 2022, a total of 112 million domestic tourists traveled to Tianjin, generating 77.306 billion yuan in revenue.



Theme Parks

Happy Valley Tianjin	Covering an area of 350,000 square meters, it consists of three land parks, two water parks and a show center.
Tianshan Sea World Meters Cube	Open to the public all year round, it is the largest indoor water park with constant-temperature water in China.
Tianjin Fantawild Adventure	Featuring sci-fi and interactivity, it is the one-and-only fourth-generation high-tech theme park in the Beijing-Tianjin-Hebei region.
Victory Kingdom	Here you can enjoy u-shaped or suspended roller coaster rides.
Fantawild Adventure	It boasts a vertical dome screen with a diameter of 22 meters.





Ancient Culture Street

Sightseeing

The "Eye of
Tianjin" Ferris
Wheel

It is built on a bridge across the Haihe River.

Ancient Culture
Street

With Tianhou Temple at its center, the Street has many time-honored stores and stores selling folk handicrafts.

Jin Wan Plaza

In the Plaza are many French-style buildings erected alongside the Haihe River. Standing across the river is Jiefang Bridge, a movable bridge made of steel. And the Century Clock nearby is also a famous landmark.

Boat Tours on
the Haihe River

A boat tour on the Haihe River allows you to admire the beauty of the scenery and historical buildings.



The "Eye of Tianjin" Ferris Wheel



Tianjin Binhai TEDA Aircraft Carrier Theme Park

Binhai New Area Tours

Tianjin Dongjiangwan Beach Scenic Area It is the largest man-made beach in China.

Tianjin Haichang Polar Ocean Park One of the 10 most popular theme parks, it consists of Polar Aquarium, Finland Apartment, Polar Commercial Circle, and Danish Dream Castle.

Beitang Ancient Town With Gujiu Alley, Shuanglei Square, Assembly Hall, and Chinese-style Houses, it shows the uniqueness of Tianjin and the customs of Beitang.

Tianjin Binhai Cultural Center It is composed of Binhai Art Museum, Binhai Science and Technology Museum, Binhai Library, Binhai Performing Arts Center, Citizen Activity Center, and Cultural Gallery.

Tianjin Binhai TEDA Aircraft Carrier Theme Park It is a large military theme park with the Kiev-class aircraft carrier as a unique resource.

Tianjin International Cruise Home Port Currently the largest of its kind in Asia, it has many specialty restaurants, large duty-free shops, conference rooms and exhibition venues.



Tianjin Haichang Polar Ocean Park



Tianjin Dongjiangwan Beach Scenic Area



The Great Wall at Huangya Pass Shrouded in Mist

Places of Interest

Panshan Mountain	It has beautiful scenery, places of interest, and traces of Buddhism and imperial influence.
The Great Wall at Huangya Pass	A world cultural heritage, it stretches from Malan Pass in Zunhua, Hebei Province, to Jiangjun Pass in Pinggu, Beijing, with a total length of 42km.
Jiulongshan National Forest Park	As the largest forest park in Tianjin, it boasts 147 verdant mountains lush with different grasses.
Mansion of the Shi Family	Covering nearly 10,000 square meters, it is known as the No. 1 residence in North China for its grand layout.

Historical Tours

Peking-Tianjin Campaign Memorial Museum	With inscriptions of Marshal Nie Rongzhen, it serves as records of the victorious Peking-Tianjin Campaign, and is included in the first science education bases (2021-2025) in China.
The Memorial to Zhou Enlai and Deng Yingchao	With over 10,000 cultural relics, documents, materials and photos, it is dedicated to the legacy of Zhou and Deng, two great revolutionaries.
The Memorial Hall of the Awakening Society	It is dedicated to the Awakening Society, an organization of progressive youths founded during the May Fourth Movement.



The Memorial to Zhou Enlai and Deng Yingchao

Skiing and Hot Spring

Jizhou Panshan Ski Resort, and Jizhou International Ski Resort

With mountainous scenery, the resorts allow you to ski while enjoying the beauty in nature.

Guanghegu Hot Springs, Longda Hot Springs, Tuanbo Lake Hot Springs, and Dijing Hot Springs

With abundant geothermal resources and geothermal water rich in various elements, these hot springs are ideal for tourism.

Local Food in Tianjin

Tianjin Cuisine

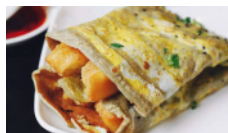
Local food, especially seasonal fish and seafood, is suitable for many and skillfully made with excellent seasonings. Popular dishes include Fried Prawns and Gaoli Fried Icefish.

"Three Specialties of Tianjin"

Goubuli Steamed Stuffed Buns, Erduoyan Fried Cakes, and Shibajie Fried Dough Twists.

Traditional Snacks

Jianbing Guozi (pancake), Guobacai (linguine-like noodles), Shuli Cakes, and Miancha (millet porridge with sesame paste)





Italian Style Area

Popular Tourist Areas

Tianjin Italian-Style Tourist Area	The largest and best-preserved Italian architectural complex in Asia, it includes buildings in Gothic, Romanesque, and Baroque styles.
Binjiangdao Commercial Street	The busiest commercial street in Tianjin, it represents the essence of Tianjin's commercial, catering and service industries.
Wudadao Culture Tourist Area	It boasts over 2,000 garden villas built in the 1920s and 1930s, 300 of which are historic buildings or former residences of celebrities.
China (Porcelain) House	Combining porcelain with Western-style architecture, it is decorated with numerous pieces of porcelain and chinaware.



Wudadao Cultural Tourist Area



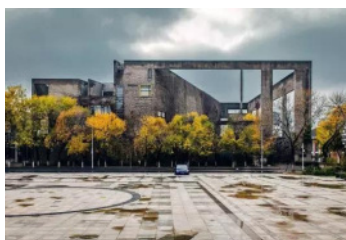
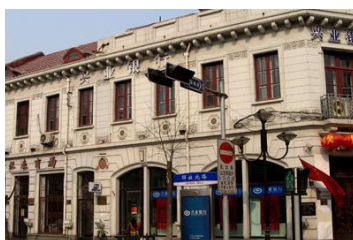
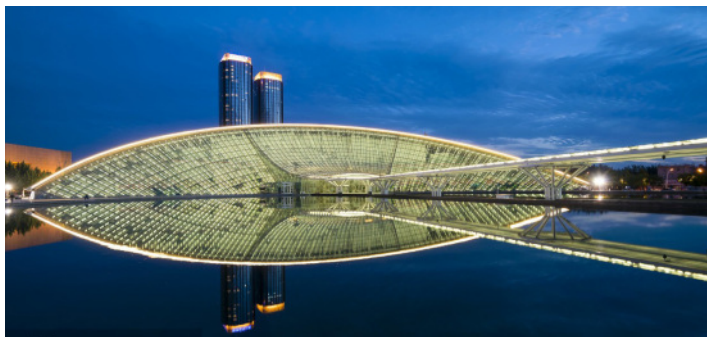
SSTEC Approved as a Provincial Tourist Resort

The Sino-Singapore Tianjin Eco-city has been approved as a provincial tourist resort, making it the only provincial-level one in Tianjin and the first of its kind in Beijing and Tianjin. Spanning an area of 19 square kilometers, the resort consists of seven sections. The Theme Park Section, for example, includes Fantawild Adventure, Fantawild Water Park, Elion Elf's Park, Water Engineering Tour (underway), Jinghu Park, and Boonie Bears Hotel.

9 Buildings in Tianjin Included in the 7th List of China's 20th-Century Architectural Heritage

Included in the list are the Conseil d'Administration Municipale de la Concession Française de Tientsin, the Memorial to Zhou Enlai and Deng Yingchao, the Peking-Tianjin Campaign Memorial Museum, the Feng Jicai Institute of Literature and Art at Tianjin University, the Tuanjieli Residential Complex, Tianjin Post Museum, Tianjin Natural History Museum, the Residential Complex to the north of Tianjin University of Sport, and the Crystal Palace Hotel Tianjin. They are witness to the city's development and carry people's memories.

In the six lists previously released, 39 buildings in Tianjin were included, among which are the Architectural Complex at Wudadao, the Former Site of Peiyang University, the Former Residence of Liang Qichao (and an "Ice-drinking Room"), and the Main Building of the Tianjin West Railway Station.





10

A Sports Powerhouse

- Competitive Sports
- A City of Volleyball
 - Fitness for All
 - Sports Venues



Tianjin is committed to promoting its reputation as the “city of volleyball,” a “sports capital,” and a leading sports city. To achieve this, the city has prioritized the “fitness for all” strategy by enhancing sports parks, fitness trails, and venues. The city has recently hosted the 15th Tianjin Games from August to November 2022.

Competitive Sports

In 2022, Tianjin has improved significantly in major sports such as athletics, swimming, and gymnastics, while maintaining its leading position in sports like tennis, judo, weightlifting, trampoline, martial arts, cycling, and fencing. The city aims to continue its high contribution rate to the Olympics and showcase its potential in upcoming events such as the Paris Olympics, the Hangzhou Asian Games, and the 15th National Games.

Tianjin Tennis Player Zhang Shuai Excels in Four Grand Slam Tournaments

In July 2022, Zhang Shuai, paired with Belgian Elise Mertens, finished second in Wimbledon women’s doubles. In September, Zhang won the third round of the US Open women’s singles, making it into the last 16 for the first time. She is the second Chinese player to achieve this in all four Grand Slam tournaments.



Tianjin Players Winning Gold and Silver at the Chinese Chess Championship

The National Chess Championship is the most prestigious individual championship in China.

Dai Changren from Tianjin performed exceptionally well, winning 4 games, drawing 6, and losing 1 to earn a total of 7 points. This personal best score allowed him to secure the championship title and become the 49th International Grandmaster in China. In the women’s championship, Tianjin’s Xiao Yiyi took home the second place.



Tianjin Short Track Speed Skaters Winning Three Golds Internationally

Tianjin's Liu Guanyi and his teammates won the gold medal in the men's 5000m relay final at the ISU Four Continents Short Track Speed Skating Championships in Salt Lake City, USA, on November 12, 2022. This is the first international gold medal for the Tianjin short track speed skating team.

The second leg of the ISU Junior World Cup Speed Skating came to an end on November 27, 2022, in Seinajoki, Finland. Tianjin's Jin Wenliang won the gold medal by finishing the Neo-Senior Ladies 1500m race in an incredible 2:09.51 minutes.

On February 6, 2023, the Chinese team added two more gold medals and a silver medal at the ISU World Cup Short Track Speed Skating in Dresden, Germany. In the men's 5000m relay final, Tianjin's Liu Guangyi, along with his teammates Li Wenlong, Lin Xiaoyuan, and Zhong Yuchen, won the first place.



Liu Guanyi (second from right) and His National Team Teammates

A City of Volleyball

Tianjin unveiled the "Implementation Plan of Tianjin to Accelerate the Construction of the 'City of Volleyball' (2021-2030)" on July 31, 2022. On September 2, 2022, Tianjin held the Conference on the Construction of the "City of Volleyball" to launch the campaign, yielding significant results in competitive volleyball, campus volleyball, mass volleyball, and the awareness of volleyball culture.



Tianjin Women's Volleyball Team Wins Its 15th League Championship

Continuing to Progress: Tianjin Women's Volleyball Team Winning 15 League Titles in 20 Years

On January 8, 2023, Tianjin women's volleyball team won the championship at the 2022-2023 China Women's Volleyball Super League held in Jiangxi Province. The team, the previous championship holder, maintained a straight winning record in 22 matches this season to secure the title. Since winning its first championship 20 years ago, the Tianjin team has made into the league finals 18 times, earning 15 championship trophies.



Fitness for All

Tianjin improves its public service system to pursue fitness for all. Currently, the total area of Tianjin sports venues has reached 37.289 million square meters, with a total number of 28,016 venues and over 52,000 non-governmental sports instructors. There are 60 district-level public sports venues and more than 8,000 fitness parks in urban and rural communities, so that every resident have access to sports facilities. Moreover, 90 sports parks, 101 community fitness centers in streets and towns, and 62 hiking trails in Jizhou District, have been newly constructed or upgraded. As a result, every resident can reach sports venues within 15 minutes.

Tianjin hosts over 300 district-level fitness-for-all events and activities annually, with 45% of the population regularly participating in exercises. As many as 93% of its urban and rural residents meet the national physical fitness standards, placing it at the top of China. Exercise is a lifestyle and a culture in Tianjin, with enthusiasts seen exercising in sports facilities along the Haihe River, in the parks, greenways, and neighborhoods.

Urban and rural
community fitness parks

8,000+

Upgrading & renovating
sports parks

90

National Fitness
Centers

101

Jizhou Hiking Trails

62



The 15th Municipal Games Mass Group Shuttlecock Competition

New Vitality in Tianjin's Sports Industry

In its efforts to become an international consumption center, Tianjin has established a guide fund of 50 million yuan annually for the development of the sports industry. Over the past decade, the government has allocated a total of 255 million yuan, leveraging 4.637 billion yuan of private investment. Each year, 50,000 “sports cards” are issued, benefiting over 120,000 people and boosting 143 million yuan of consumption. Tianjin has established three national sports industry bases and 17 municipal sports industry bases. In 2022, the sales of sports lottery reached a record high of 6.173 billion yuan, raising 1.459 billion yuan for public welfare, including 734 million yuan at the local governmental level.



The 15th Tianjin Games Dragon Boat Competition

Dongli and Wuqing awarded as National Model Districts for Fitness for All

On December 27, 2022, the General Administration of Sport of China listed the first cohort of model cities and districts for fitness-for-all. Dongli and Wuqing districts in Tianjin were awarded this prestigious title. This is a testament to Tianjin's efforts to establish itself as a “sports capital.”

Sports Venues

Tianjin successfully held important international games like the World Table Tennis Championships, World Gymnastics Championships, World Water Ski Championships, and East Asian Games, improving the city's sports infrastructure.

Tianjin Olympic Center Stadium sitting by a lake, is often colloquially referred to as the Water Drop for its shape and location. It is a multi-use stadium that combines leisure, entertainment, fitness, and shopping.





Tianjin Jizhou National Ice Project Training Base

Tianjin Jizhou National Ice Project Training Base as a key government-invested project, the Base provides training venues and service guarantees for the national teams to prepare for the Winter Games, such as ice hockey, curling, short track speed skating, roller hockey, and figure skating. It will serve as a sports complex for national team training, ice and snow talent training, winter sports cultural campaigns, and sports tourism, facilitating people's participation in winter sports.





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Prospects and Objectives

- Development Goals for 2023
- Development Visions for 2023-2027
- Ten Initiatives for 2023-2027



Development Goals for 2023

Tianjin will strive to increase its GDP by about 4%, revenue in the general public budget and per capita disposable income about 4%, fixed asset investment about 3%, total retail sales of consumer goods about 6%, and foreign trade about the same rate as last year or even higher. The city will work hard to create more than 350,000 jobs for urban residents, maintain the urban surveyed unemployed rate within 5.5%, control consumer price increase within 3%, and meet national assigned targets for energy conservation, emission reduction, pollution reduction, and carbon reduction.

Development Visions for 2023-2027

- (1) Building a modern socialist metropolis with high-quality development.
- (2) Building a modern socialist metropolis with high level of reform and opening up.
- (3) Building a modern socialist metropolis with high social governance performance.
- (4) Building a modern socialist metropolis with high quality of life.

Ten Initiatives for 2023-2027

(1) Further implementing the strategy of Beijing-Tianjin-Hebei coordinated development. Tianjin is set to play a pivotal role in the development of a world-class city cluster by strengthening its partnerships with ministries, research institutions, universities, and businesses, as Beijing continues to transfer some of its non-capital functions. The city aims to leverage innovation resources from Beijing to augment its competitive advantages in research, development, production, and transformation. Infrastructure interconnectivity will be improved by constructing a regional integrated transportation system.



Institutional innovations will be adopted to enhance exchanges between enterprises, and to facilitate the flow of funds, projects, technology, and talents. Tianjin will contribute to the development of Xiong'an New Area and Beijing MC through joint development and sharing of public services, and improve the air quality and the water quality of major rivers through joint conservation of the ecological environment.

(2) Making the Binhai New Area a prime example of high-quality development.

Tianjin will utilize the advantages of the Binhai New Area as a state-level new area, and ensure that the Free Trade Pilot Zone leads opening-up and the Indigenous Innovation Demonstration Zone drives development. The city will accelerate the development of strategic emerging industries, high-end manufacturing, and port economy to transform Binhai into a benchmark for high-quality development and a prosperous, livable district. By 2027, Binhai's total output will reach 900 billion yuan, and it will play a crucial role in the city's economic growth by supporting downtown districts to concentrate on their core industries, develop industrial clusters, and enhance their functions. The city will deepen the reform of state-owned enterprises and expand the opening-up of the service industry. Tianjin will participate more actively in the Belt and Road Initiative, and further open up to the world. The city is committed to creating a market-oriented and rule-governing business environment, by promoting social integrity, safeguarding the legitimate rights of enterprises, and utilizing business federations, industry and alumni associations, etc.

(3) Bringing science, education, and talent into full play.

Tianjin is committed to prioritizing S&T as the main driving force for development, with talent as the most valuable resource and innovation as the key impetus. With its abundant scientific and educational resources, the city aims to become a leader in innovation. Tianjin will accelerate the construction of key national laboratories and the Haihe Laboratories. The city will also deepen institutional reforms in



the S&T sector to protect intellectual property rights and promote innovation application. Tianjin will provide universal access to preschool education, promote balanced development of compulsory education, and encouraging encourage diverse development of senior high schools. The city will also enhance the R&D capabilities of universities by facilitating closer collaboration between vocational education, higher education, and industries. To retain and attract more high-quality talents, Tianjin will upgrade the Haihe Talent Program.

(4) Integrating the development strategies of the port, city, and industries. Tianjin has set its sights on becoming a world-class smart and green port by transforming logistics corridors into development corridors and leveraging its strengths in the port economy. To become a world-class port city and a preeminent center of international shipping in Northern China, Tianjin will upgrade the port's smart control system, and distribution and transportation systems, as well as the coordination between sea and air transportation. The city will strive to become an international distribution center and a world-class port cluster by building a marine corridor for domestic trade and strengthening coordination between Tianjin Port and other Bohai Rim ports. Tianjin will develop shipping headquarters economy, high-end port and shipping services, port industries, marine economy, and cruise ship economy. The city synchronizes between the downtown and the port to drive sustainable growth.

(5) Developing a high-quality manufacturing industry. By 2027, the city will achieve an industrial output value of over three trillion yuan and make great progress on becoming a national R&D base for manufacturing. Both emerging and traditional industries will be given equal priority, and the development of industrial chains and clusters will be coordinated to create several high-end industrial clusters worth hundreds of billion yuan. Tianjin will strive to become a national leader in IT innovation, AI, 5G and smart construction by integrating the digital economy and real economy. The city will accelerate the digital



and intelligent transformation of the manufacturing industry, establish smart and digital factories and workshops, and utilize the platform economy. Green manufacturing will also be accelerated by balancing industrial development and environmental protection.

(6) Upgrading the downtown area. Tianjin aims to become a national advanced manufacturing R&D base, a preeminent center of international shipping in Northern China, a demonstration city of financial innovation and operation, a pioneer in reform and opening-up, as well as an international consumption center and a regional business and commerce center. Tianjin will therefore balance production, living, and natural zones, upgrade city functions, and rejuvenate historical areas. The city will better meet the demands of the residents, businesses, and the society at large by upgrading industries, cultures, environment, and lifestyles. Tianjin will promote innovative development of the modern service industry in the downtown area, and build the Tiankai Hi-tech Park, Financial Street, and CBD according to high standards, and close the gaps in infrastructure and public services by committing more resources.

The Establishment of Tiankai Higher Education Innovation Park

Tiankai Higher Education Innovation Park is committed to building a development layout of "one core with two wings" that radiates the whole city. The core area covers Tianjin University, Nankai University and Tianjin Medical University in Nankai District, with the university town in Xiqing District as the west wing and the Haihe Education Park in Jinnan District as the east wing of the expansion area. Through differentiated development according to local conditions, it provides a development space featuring full functions, complete chain and one-stop service for the transformation of research achievements of universities and innovation and entrepreneurship of teachers and students.



On April 13, 2023, the first enterprise registered in Tiankai Higher Education Innovation Park was officially established, marking the formal operation of the park. Tianjin makes every effort to promote the development of the park. It has issued "Several Policy Measures of to Support the High-quality Development of Tiankai Higher Education Innovation Park", which has resulted in the formation of a distinctive support policy system that covers 10 aspects such as research achievements transformation, innovation, and entrepreneurship.

(7) Implementing the strategy of rural revitalization across the board.

Tianjin will take concrete actions to develop industries, talents, and cultures, protect the environment, and enhance social governance in rural areas. The city will build a livable, prosperous and beautiful countryside by modernizing the agricultural sector and rural areas. Tianjin will strengthen modern urban agriculture and the seeds industry, while promoting urban leisure agriculture and rural tourism. The city will balance urban and rural development by enhancing the infrastructure and basic public services in rural areas. Tianjin will deepen rural reforms, and boost the growth of new-type rural collective and township economies. The city will enhance self-governance, rule of law, and rule of virtue in the countryside, promoting a vibrant, harmonious, and orderly countryside.

(8) Pursuing eco-friendly and low-carbon development. Tianjin is committed to environmentally responsible, eco-friendly, and low-carbon development. The city will focus on developing green and low carbon industries, promoting a circular economy, and achieving “waste-free” development. Efforts will be made to improve air quality, and conserve water and land resources, and enforce accountability in the protection of rivers (lakes) and forests to enhance the overall ecological environment. The city will continue to implement major ecological projects such as the 871 Project, and the “Outer Ring Road and 11 Botanical Gardens.”



(9) Improving people's life quality. Tianjin is dedicated to improving the well-being of its citizens and will carry out 20 customized projects every year to achieve this goal. The city will take active actions to increase people's income. Tianjin will accelerate the development of public health, medical services, and old-age care, and improve the multi-level social security system. The city will step up efforts to introduce a housing system that consists of various suppliers, build more low-income housing, and give equal priority to house purchasing and renting. Tianjin will improve the 15-minute community circles, and create more leisure and fitness spaces for residents. The city will boost the development of cultural and tourism industries by leveraging its rich history and western architecture heritage. Phase III for the Binhai International Airport will be kick-started, and once completed, the airport will be able to accommodate 55 million passengers ever year. Tianjin will enhance its response mechanisms to natural disasters and public emergencies, and strengthen food safety and production safety.

(10) Enhancing grassroots governance under the guidance of Party-building. Tianjin will strengthen the capacity building of grassroots organizations and accelerate their modernization, so that they are of the people, by the people, and for the people. Under the guidance of Party-building, Tianjin will encourage innovations in grassroots governance by fostering partnerships between communities, social organizations, social workers, community volunteers, and community charities. To promote public security and prevent conflicts and disputes, Tianjin will introduce proactive measures and draw on the "Fengqiao Experience." The city will also leverage the three-tiered social conflict mediation center to prevent and resolve disputes at the earliest possible stage. Tianjin remains committed to enhancing social security and contributing to the broader goal of safeguarding social security across the region.







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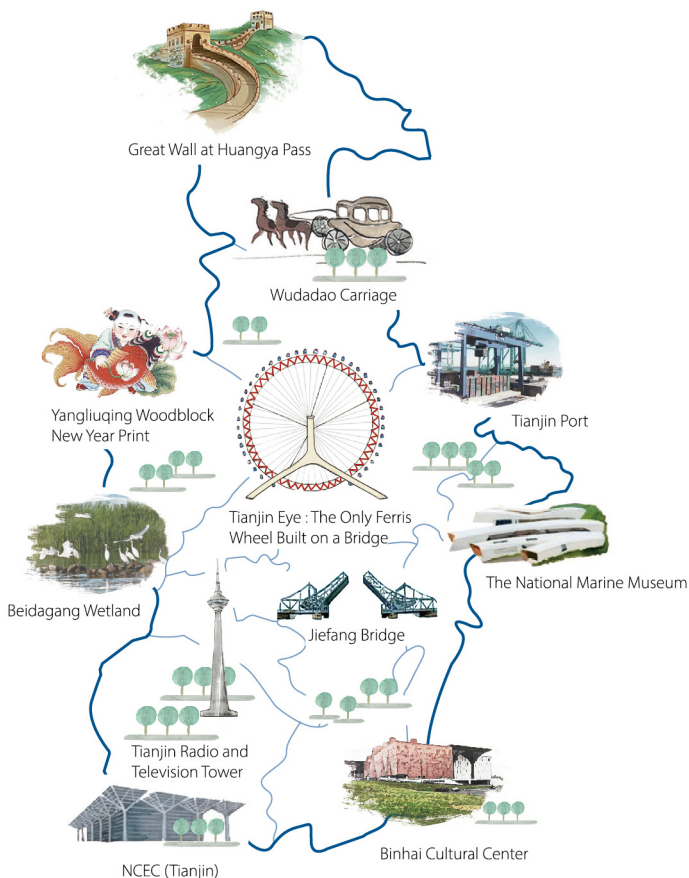
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