

City gets in front of the revolution in manufacturing

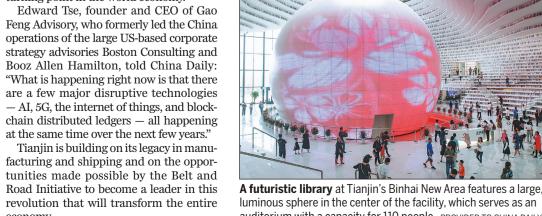
ing on smart robots, smart hardware and software, smart sensors, virtual and aug-

mented reality and internet-connected cars. In addition, 10 billion yuan is targeted at the technological upgrading of intelligent manufacturing enterprises. Tianjin Binhai New Area announced in 2017 the establishment of a 30 billion yuan fund with China Traffic Construction Group. That fund, as China Daily earlier reported, will primarily be used to facilitate cooperation among global intelligent engineering technology centers and Binhai's Sino-German Industry 4.0 intelligent center, automotive electronics and auto-intelligence technology, it can help patients to find their clinics. mated driving center, and its intelligent TONGYU/CHINA NEWS SERVICE transportation center. It will also concentrate on applying the internet of things to

create smart city systems. Plus, in June 2017, the Tianjin Economic-Technological Development Area announced the Intelligent Industrial Zone. a 20-square-kilometer area intended to host companies developing new technologies, including AI, intelligent finance, healthcare and smart logistics.

Overall, there are roughly 60 TEDA-based companies that specialize in intelligent manufacturing, including industrial robot maker Baolai and Yiersu Easy-Robot, which provides automatic integration services for industrial systems, according to the online professional journal Engineering. Investors in Chinese technology see this PROVIDED TO CHINA DAILY integration of digital technologies with the real world, especially in manufacturing, as a turning point in the world economy. Edward Tse, founder and CEO of Gao Feng Advisory, who formerly led the China operations of the large US-based corporate strategy advisories Boston Consulting and Booz Allen Hamilton, told China Daily: "What is happening right now is that there are a few major disruptive technologies - AI, 5G, the internet of things, and blockchain distributed ledgers — all happening at the same time over the next few years." Tianjin is building on its legacy in manufacturing and shipping and on the opportunities made possible by the Belt and







square meters for Zhongguancun Park billion yuan.

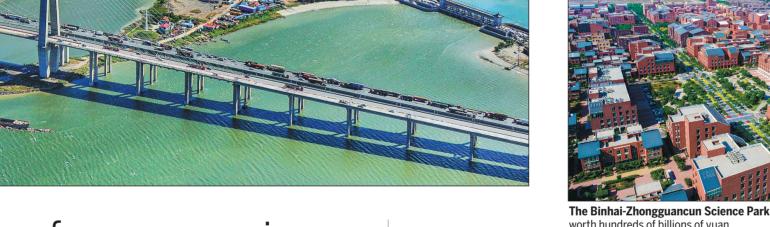




Researchers check the Tianhe supercomputer developed in Tianjin







Industrial parks offer chance for companies The Sino-European Regional Colalone last year. The park has attracted In 2018, the area attracted 591 such laboration Park will focus on intelligent 941 companies with an investment of up projects with investment of up to 115.5

"Binhai New Area is beefing up efforts Yin Li, CEO of Tianjin Carale, said his He expects the new area to give more "Moreover, many companies once had preferential policies to micro or small These include an industrial park The petroleum center will attract a presence in Zhongguancun. So the and medium-sized companies to help Tianjin Port-Sunlon Agricultural Prodcollaboration with the European Union Wu Xiushan, deputy head of the devel- Statistics indicated that since 2015, ucts Import and Export, said as the Chamber of Commerce in China; a opment and reform committee of Binhai the area has lured 1,699 projects with company is catering for a construction

North China aviation center and a petro- New Area, said that it provided 90,000 a combined investment of up to 392 team from China Xiongan Construction Group, the logistics will be demanding. de-cluster

of the development and

reform committee of Binhai



Scheduled high-speed train services have reduced travel time between



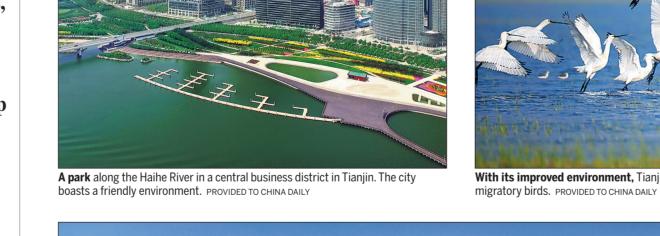




Mo Xungiang, a professor with the School of Geographic and Environmental Sciences at Tianjin Normal University.











Modern face of Tianjin. The city is advancing the coordinated development of the Beijing-Tianjin-Hebei region. PROVIDED TO CHINA DAILY

The city first gained its reputation as a key Beijing-Tianjin-Hebei region in North China. is optimizing its investment and services to commercial center in the 19th century and a For example, 900 high-tech companies from embrace global companies. major trading port both domestically and inter- Beijing have been relocated to the Binhai- Their fondness of Tianjin is not only due to nationally, and today hosts the Summer Davos Zhongguancun Industrial Park in Tianjin, since the city's huge efforts to boost AI manufacturin Asia every two years, luring global business November 2016.

TIANJIN TOUTS ITS TOP BUSINESS

CLIMATE, COMPETITIVE STRENGTHS

Port city continues to seek high-quality growth and lead way as major commercial center, Yang Cheng reports.

Tianjin's Binhai New Area is expected to promote businesses and pursue the city's high-Amid an international trend of shrinking become an AI industrial hub in the country. quality development. investment, South Korean electronics manu
Leading Chinese submarine robot company facturer Samsung announced early this year Sublue, China's first exporter of magnetic levitato invest a hefty \$2.4 billion in Tianjin, thanks tion or maglev technology to the United States, Tianjin has taken the lead in China in improvin part to the city's favorable investment cli- Emaging, and top drone producer Efy are all ing its ecological protection. The Tianjin government is making con-

prospering in the area. tinuous efforts to boost the city's competitive **Business climate** environmental areas, including artificial intel- red tape in support of more private businesses A total of 450 sq km water areas have been ligence manufacturing, creating an ecological coming to the area. protection belt and playing a pivotal role in Last year, eight new policies were released to Tianjin, where all forms of economic developthe coordinated development strategy of the lower the threshold for private companies in the ment are forbidden. The city government has city, and this January, another 19 policies were also invested hugely in the protection of the The city hosts the annual World Intelligence added. The policies have significantly helped wetlands in Qilihai, Beidagang, Tuanpo and

Congress — which plays its part in opening — streamline administrative procedures in busi— Dahuangbao, which cover a total area of 876 sq — operating system." up a new chapter for Tianjin as an industrial ness registration and project approval, as well km. All the illegal structures in these areas were as provide greater scope for funding. removed over the past two years. In the past two years, the city has earmarked According to statistics, since 2017, Tianjin has "Of the nine global bird migration routes, two Information Technology Bureau up to 100 billion yuan (\$14.8 billion) toward slashed taxes for enterprises by up to 105.7 bil- run through Tianjin," said Mo Xunqiang, a prodevelopment in the next-generation AI indus- lion yuan, with private investment growing 10 fessor with the School of Geographic and Envitry and 10 billion yuan for the technological percentage points higher than other investment ronmental Sciences at Tianjin Normal University. upgrading of intelligent manufacturing enter- sources in the city. A growing number of corporate headquarters perch, rest, breed or spend their winter in the

A fund of 30 billion yuan has been set up for and national-level innovation projects have also northern city," Mo said. "Their numbers are on "The government wishes to foster home- According to officials, a batch of high-end environmental efforts." grown computing ecology, with an industrial industrial and service projects have been set up supercomputers, Phytium central process- have started production.

Many companies are keenly interested in mov- China Federation of Industry and Commerce they noted. ing to Tianjin, partly because the city is riding to assess the business environment

chain that includes the Tianhe-1 and Sugon in the city and more key infrastructure projects **Transportation network** For Tianjin, transportation is one of its indising unit and Kylin operating system," said a Despite Tianjin's year-on-year GDP growth in pensable advantages, and was key to its centuryspokesman for the Tianjin Industry and Infor- the first quarter of last year being a record low long business prosperity in the past. 1.9 percent, since the second quarter last year, Empowered by AI technology, Tianjin Port, Their presence is key in enhancing domestic its GDP has recovered and seen a steady growth, connecting with 500 ports in 180 countries and strength in security and breaking overseas reporting a yearly rise of 3.6 percent from 2017. regions, is expected to see its goods throughput hit monopolies in the computing sector, industrial

The percentage is expected to rise in 2019, 30 million metric tons of equivalent units this year.

Square kilometers thanks to the city's support for businesses. The port plays an active role in boosting the Wetland areas under protection in Tianjin To sharpen the sector's competitive edge, According to a recent survey targeting pri-coordinated development of the Beijing-Tianjin-Tianjin is in close discussions with other marvate companies, Tianjin has risen to No 4 Hebei region and in advancing China's proposed ket leaders, in a bid to contribute more toward among Chinese cities in terms of its business Belt and Road Initiative, local officials said.

high on the tide of China's integrated strategies The results coincide with China Media Contact the writer at

to boost the coordinated development of the Group's survey last year, indicating Tianjin yangcheng@chinadaily.com.cn

China's homegrown chips, cybersecurity and environment. The survey benchmarked some A traditional industrial center in North China, index made by the World Bank and the All- Tianjin is taking on a new look in the new area,

ing, but also the government's resolution to

Since last year, the city has poured in huge

protection belt, in a bid to become a "green lung"

investment to build a 736-square-kilometer green an industrial chain that

designated for ecological preservation in Sugon supercomputers.

"Each year, about 2 million birds stop to broad or spend their winter in the

Area of a green protection belt under

construction, aimed at becoming the

"green lung" of the Beijing-Tianjin-Hebei

The government wishes



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tourism activities. PROVIDED TO CHINA DAILY

Binhai New Area, which held its of related data.

and finding books in the library with In doing so, the eco-city has built a in the eco-city.





Eco-city smartens up its act by integrating latest high tech

From getting real-time traffic infor— A crucial part of the construction is energy and environment, by accessing To better analyze the results, a data Since transportation is an impor-

mation on displays in an elevator, to break the "data barrier", the com- the information systems of govern- and information platform will be tant part in people's daily lives, the

the help of robots, people are enjoying unified platform for communication The eco-city is also improving the processing and application. information technologies such as big

an easier and more convenient life at networks, public data centers and connectivity of infrastructural facili-

China-Singapore Tianjin Eco-City. video monitoring centers, to realize ties. So far, more than 1,200 cam-monitoring stations for government artificial intelligence to make travel-

The eco-city, located in Tianjin's the sharing and integrated utilization eras have been installed across the departments and agencies, with uni- ing "smarter" and more convenient.

groundbreaking ceremony in 2008, Based on the platform, further optiments, including urban patrol, public and provide cybersecurity protection unmanned buses, which will be

is an intergovernmental project mization and integration is planned security and traffic enforcement. The and maintenance services.

between China and Singapore. It is for the existing data resources to set number will increase to 5,000 and The data and information plat- tems having functions such as visual

designed to strengthen environmen- up an intelligent operation and man- new cameras will cover places such as form currently has 490 million data perception, data integration, high-

tal protection, conserve resources and agement center that can monitor, anabusinesses and residential buildings, resources shared by six departments precision positioning and multilevel

build a harmonious society. lyze and schedule the city's operations shopping malls, parks and streets related to construction, environment planning and decision-making.

advanced management systems, dreds of millions of data points from and access to sensor networks of the residents with intelligent facilities

governance, transportation, security, tion, buildings and energy sectors. other mobile terminals.

ment departments and business units upgraded to realize real-time sharing eco-city plans to promote the deep

area to serve 15 government depart- fied construction and management, In May, it will also test run three

and three-dimensional visualization integration of traffic control and

according to the eco-city's adminis- 11 aspects of city operation, covering eco-city's hydrology, geology, vegeta- and systems via smartphones and

We love to walk around the city just for the beauty of it. China is the future and we want to be part of the future. I think Tianjin is already a center for healthcare in

China and the world.

and talent

available in

easy to come

very easy to

think credit

needs to

here and it is

potential to become a leader in Masoud Afnan, honorary chair of I was fascinated with the fertility services at United Family architecture and the relaxed and Healthcare Reproductive Medicine easygoing Tianjin people. Trey Ratcliff, US photographer





time the roads were not in good being planted. Tianjin, which has gradually connected with the world, is turning to become a green city and has provided a lot f convenience for people in thei living environment. Tianiin has already turned into a green city. Steve Moody, director of the it a great place for the logistics business. In the past, most foreign International School of Tianjin

companies set up factories in Cameron Pace Group China, led by Tianjin to make products for exporting. Nowadays, the rise cinematographer Vince Pace and me, has moved into 6,000 square of the middle class in China has companies. As the market in Tianiin postproduction, exhibitions, and has matured, we are targeting the domestic market. The free trade development. zone in Tianjin is great for foreign

companies to do business. As a room to spare well-positioned port city, Tianjin will for a private Martin Winchell, chairman of AmCham China's Tianjin Chapter traditional stories to a global

preserve the cultural heritage, not only from the long-distance past, but also the last few centuries. many areas. I think Tianjin has the

around the world (photo exhibition)

audience, furthering the integration of Chinese and international