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# Business

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TIANJIN



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**Nation's 2021 GDP tops 110 trillion yuan, up 8.1%**

The economy of China expanded 8.1% year-on-year, with major indicators reaching the expected targets, showcasing its strong resilience and vitality despite the impact of the COVID-19 pandemic.

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**Hard tech players now adopted by more investors**

Chinese investors are turning to new opportunities in hard technologies, with venture capital investments in related areas hitting a new high, and experts believe this will help replicate the success of the consumer internet in new growth.

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Dear Readers

Since the worldwide pandemic has thrown the business world into disarray, it is understandable how tough it is to look ahead and resume our routines while the pandemic wreaks havoc on our work and personal lives. COVID-19 has prioritised catastrophe plans for all corporate leaders. From endless Zoom meetings to numerous WFHs (Work From Home), it can be said that it has been a roller coaster ride with many curves and few smooth tracks.

Our February cover features Airtech Advanced Materials, one of the companies in Tianjin that has a positive outlook for 2022. Likewise, many others industry participants and investors have recognized the government's strategic aims and are adapting to new regulatory frameworks, and are likely to benefit from policy tailwinds.

The General Manager of Airtech Asia Ltd, Dr Mo Perwaiz, and other top executive staff dressed up specially to welcome the year of the Tiger. This year, also known as the year of the Water Tiger, brings confident, authoritative energy to all. Tigers are aggressive, tenacious, ambitious, competitive, and strong. Tigers are also known to be generous to their loved ones. But don't be mistaken—wood and fire elements are much more prominent than water this year.

In the fourth quarter of 2021, the Chinese economy expanded 4% year-on-year, easing from a 4.9% growth in the previous period, but exceeding market consensus of 3.6%. It was the slowest pace of expansion since Q2 2020, amid multiple headwinds including a property downturn, supply chain issues, and COVID-19 outbreaks.

However, looking at the full year for 2021, the economy grew 8.1%, the fastest expansion in nearly a decade, exceeding the government's target of 6% or more, and following a revised 2.2% growth in 2020. Consumption expenditure contributed 65.4% to the 2021 GDP growth, compared with 54.3% in 2020, surpassing the average level of 60% from 2013 to 2019, but was still lower than in developed economies.

In 2022, consumption will be continue to be a top catchphrase. China should take prompt and effective measures to shore up consumption amid COVID-induced uncertainties in 2022, as "stabilizing growth" will remain the common thread running through this year's economic playbook.

In this issue, we also discuss space tourism, and why we may see space flights at the same frequency as flights from London to New York in the next few years.

There have been concerns about the future of human resources in industries using robots. People are already losing their jobs due to the pandemic, and this may add fuel to the fire by getting more people displaced. However, companies have ensured that robots will be part of a hybrid solution, including both humans and robots, and they will work with humans on a long-term basis. You can see the full article in our new Innovation column.

Visit our website [www.business Tianjin.com](http://www.business Tianjin.com) and follow us on our official WeChat account (ID: business\_tianjin) for a complete list of articles and information.

Best wishes in the year of the Tiger!

*Mary Smith*

Mary Smith

Managing Editor | Business Tianjin Magazine  
ManagingEditor@BusinessTianjin.com



[www.BusinessTianjin.com](http://www.BusinessTianjin.com)



## TIANJIN NEWS

### TIANJIN POSTS 6.6% GDP GROWTH IN 2021



The gross domestic product (GDP) of Tianjin totalled 1.57 trillion yuan (about 247 billion U.S. dollars) in 2021, up 6.6% year on year when calculated at comparable prices. The added value of Tianjin's primary, secondary and tertiary industries respectively rose 2.7%, 6.5%, and 6.7% to 22.5 billion yuan, 585.4 billion yuan, and 961.5 billion yuan. In 2021, 376,200 people found jobs in Tianjin, which exceeded the annual target. The per capita disposable income of Tianjin residents reached 47,449 yuan, up 8.2% year on year.

### OUTBREAK EFFECTIVELY CONTROLLED IN TIANJIN



The outbreak of the Omicron strain of COVID-19 has been effectively controlled in Tianjin, a senior official has said. But relevant departments will not let their guard down, and residents, too, should not be careless, Gu Qing, deputy secretary general of Tianjin municipality, said at a news conference. More than 58 million people had been tested in all four rounds of citywide nucleic acid tests in the past weeks.

### TIANJIN PILOTS SEAWATER DESALINATION INDUSTRY

Tianjin authorities passed local regulation on January 7 to boost the



seawater desalination industry and strengthen maritime power, the first of its kind in China. According to the new regulation, new players will be introduced and cultivated to complete the industrial chain. Demonstrational bases will be built for showcasing desalination and treated water comprehensive utilization, equipment manufacturing bases, and desalination projects. The involved technologies and equipment will be upgraded for more uses and benefits for traditional industries.

## FINANCE

### CHINA'S GDP GROWS AT 8.1% IN 2021



China's gross domestic product exceeded the 110-trillion-yuan (US\$17.3 trillion) threshold in 2021. The country saw its GDP increase 8.1% year on year to 114.367 trillion yuan last year, according to the National Bureau of Statistics. The hard-earned achievement marked a new economic milestone for the Chinese economy after the country's GDP expanded 2.3% year on year to 101.5986 trillion yuan in 2020. China's per capita disposable income stood at 35,128 yuan in 2021, up 9.1% year on year in nominal terms, according to NBS data.

### CHINA CENTRAL'S BANK LAUNCHES APPS FOR DIGITAL CURRENCY

China's central bank has launched a pilot version of a wallet app for the digital yuan in a push to expand its usage to more people. The app is available on China's Android app stores and Apple's app store. It allows users to open a digital yuan wallet and spend the currency. The new app allows users in 10 areas, including major cities, Shanghai and Beijing, to use it. Previously, only select users could use the app on an invitation basis. But now everyone can download the app, highlighting how China is trying to get more people to use the digital currency.

### CHINA'S DIGITAL YUAN ON WECHAT



Tencent-owned WeChat, China's largest messaging app and one of the country's biggest payment services, will begin supporting the country's sovereign digital currency. The PBOC launched an e-CNY app for users in certain regions and cities in China. That will enable anyone in those areas to download and sign up to use the digital currency. Previously, users could get the app on an invite-only basis.

### CHINA'S CENTRAL BANK CUTS KEY LENDING RATES



China's central bank cut its benchmark lending rates again amid concerns about an economic slowdown in the world's second-largest economy. The People's Bank of China reduced the

one-year loan prime rate by 10 basis points from 3.8% to 3.7%. In December, the PBOC cut the one-year loan prime rate for the first time since April 2020. The five-year loan prime rate was lowered by 5 basis points from 4.65% to 4.6%.

### PETROCHINA INVESTIGATED FOR ILLEGAL OIL TRADE AND TAX EVASION



China has punished PetroChina Fuel Oil Co Ltd for irregular trading of imported crude oil, the state planner has said. PetroChina Fuel Oil's irregular trade of imported crude oil totalled 179.5 million tonnes since 2006, which was sold to 115 independent refineries, a probe by a joint investigation team under the cabinet showed, according to a statement on the state planner's website. PetroChina Fuel Oil is a subsidiary under China National Petroleum Corp (CNPC), and a major crude oil supplier to China's independent refineries.

### CHINESE PRIVATE TUTORING GIANT TO DISMISS 60,000 EMPLOYEES



New Oriental's market value evaporated by 90%, alongside an 80% slump in its operating revenues and a dismissal of 60,000 employees, Yu Minhong, founder of the Chinese private education giant has disclosed, attributing the fallout to the regulatory

toughening over private tutoring and other uncertainties. Throughout the process, New Oriental decided on a complete termination of its tutoring services, both in-person and online, for students from kindergarten to grade 9. The company has shifted toward a focus on quality-oriented education and moved to up the ante in the marketplace for college students and overseas Chinese education, Yu said.

### CHINA'S 'ARTIFICIAL SUN' SMASHES 1,000-SECOND FUSION WORLD RECORD



China's 'artificial sun' has set a new world record by running for 1,056 seconds at high plasma temperature, the longest duration for an experimental advanced superconducting tokamak (EAST) fusion energy reactor. EAST already scored a previous record in May, running for 101 seconds at a temperature of 120 million degrees Celsius. China's "artificial sun" ran for 20 minutes at a whopping 70 million degrees in its latest experiment—five times hotter than the real sun.

### EASIER SECURITY CHECKS AT 40 MAJOR AIRPORTS



The so-called "easy security check" service has been put into operation at 40 major airports, each with annual passenger throughput of more than 10 million, starting from January 1,

according to the Civil Aviation Administration of China (CAAC). The new move is expected to enhance the airport security check as well as better serve passengers by providing more efficient and diverse services at airports, said the CAAC. Exclusive security-check lanes will be opened to passengers who have completed the registration and reservation process.

### HONG KONG ALLOWS AIRLINES TO RESTART BOEING 737 MAX FLIGHTS



Hong Kong is permitting airline operators to restart the use of Boeing Co's (BA.N) 737 Max aircraft in the city's airspace, its Civil Aviation Department (CAD) said in a directive, lifting its ban on the aircraft after nearly three years. Airlines that intend to fly the 737 Max in Hong Kong's airspace and to the international airport need to comply with the airworthiness directive from the U.S. Federal Aviation Administration or a similarly stringent directive from the country where the plane was registered.

### CHINA'S MARKET REGULATOR FINES ALIBABA, TENCENT FOR FAILING TO REPORT DEALS



China's top market regulator said it has fined units of Alibaba Group Holding Ltd, Tencent Holdings Ltd, and Bilibili Inc for failing to properly report about



a dozen deals. According to public filings, China's State Administration for Market Regulation (SAMR) placed penalties of 500,000 yuan (\$78,692) on the companies per deal, the maximum under China's 2008 anti-monopoly law.

## LAW & POLICY

### CHINESE AIRLINES CANCEL FUEL SURCHARGES



Chinese airlines cancelled fuel surcharges on flight tickets from January 5th, just two months after reinstating them, to encourage more people to fly during the upcoming week-long Chinese New Year holiday. The waiving of the fees will save passengers 10–20 RMB per ticket, depending on the length of their flight. The cancellation of the fuel surcharge is expected to reduce the cost of consumers buying tickets for the Spring Festival. For example, the distance between Beijing Capital Airport and Chengdu Shuangliu Airport is 1,697 kilometres, and the cost of each ticket when consumers buy it will be 20 yuan lower than in December.

### NEW RULES FOR HIGH-TECH COMPANIES LISTING ABROAD



The Cyberspace Administration of China said that from February 15, new rules will require platform companies with data for more than 1 million users to undergo a security review before

listing overseas. The CAC also said it would implement new rules governing the use of algorithm recommendation technology from March 1, requiring companies to give users the right to switch off the service and increasing oversight of news providers that use such technology. Both sets of rules were proposed last year and are expected to impact a large swathe of companies, such as TikTok owner ByteDance, e-commerce giant Alibaba Group and many smaller players.

### SOCCER TEAM PLAYERS BANNED FROM HAVING TATTOOS



The Chinese General Administration of Sport has banned national soccer team players from having tattoos on their bodies, and those who already have tattoos are advised to remove or cover them during training and games. "Under-20 national soccer teams are strictly prohibited from recruiting players with tattoos. Rule-breakers from any club will be dealt with in accordance with articles laid out in the Disciplinary Code of the Chinese Football Association," the administration noted.

## CHINA IN THE WORLD

### COVID-19 TEST WITHIN 72 HOURS REQUIRED TO ENTER BEIJING



Beijing will require travellers to get a COVID-19 test within 72 hours of arrival in the Chinese capital. The new

rule, effective from January 22 to the end of March, is aimed to help with early detection of Omicron, which is surging globally, and the control of epidemic risks. Already, the capital city requires inbound travellers to take a COVID-19 test within 48 hours of departure for the city and have a green code on the city's health tracking app.

### DO NOT HELP OLYMPICS VEHICLES IF THEY CRASH

In the event of a traffic incident, people should stay away from the special vehicles used to ferry people to and from the Winter Olympic venues, Beijing's traffic management authority has warned. Personnel involved in the Winter Olympics will be kept in a "closed loop" operation and should avoid contact with people outside it, the Beijing Traffic Management Bureau said in a post on its Twitter-like Weibo account. If there is an accident with one of the vehicles, people should maintain a safe distance, avoid contact with those inside and wait for professionals to arrive at the scene, the post said.

### 500M YUAN IN 'RED ENVELOPES' FOR THOSE STAYING PUT DURING CNY, INCLUDING FOREIGNERS



Dongguan in Guangdong Province said it will issue red envelopes worth a total of 500 million yuan for non-local employees who choose to stay in the city during the upcoming Spring Festival holidays, joining other cities that are making similar offers amid the latest Omicron outbreak. Dongguan, as a major manufacturing base, has more than 190,000 industrial firms. The red envelopes will be dispatched via digital vouchers, with each person getting 500 yuan. Foreigners can also get the benefit.

# 10

A total of 10 Jilin-1 satellites are set to be sent into planned orbits by Chang Guang Satellite Technology Co., based in Changchun, capital of Northeast China's Jilin province, following a launch ceremony held on January 17, according to local media reports. The Xiamen Science and Technology No 1 Pilot Satellite, or Jilin-1 MF02A01, is a 30-kilogram multifunctional commercial satellite jointly developed by Chang Guang Satellite Technology Co. and Xiamen Tianwei Technology Co.



# 18.8

million yuan

US sci-fi action film "The Matrix Resurrections" topped the Chinese mainland box office on the second day of its screening, figures from the China Movie Data Information Network showed. Directed by Lana Wachowski, the sequel to 2003's "The Matrix Revolutions" and the fourth instalment in The Matrix film series raked in nearly 18.8 million yuan as of mid-January. Domestic drama "Embrace Again" came in second, finishing with a box office revenue of more than 16.77 million yuan.



# 110,000

China saw rapid growth in trademark and patent applications by foreign entities last year, indicating that foreign businesses are more confident in the country's intellectual property protection, a senior IP regulator said. Hu Wenhui, spokesman of the China National Intellectual Property Administration, told media at a news conference held by the State Council Information Office that China granted about 110,000 patents to foreign applicants, a 23% increase on 2020.



# 8000

kilometres

Inner Mongolia autonomous region is nowadays reportedly making every effort to build itself up as a preeminent hub for China that continues to open up to the outside world. Inner Mongolia spans the north, northeast and northwest of China, intersecting with eight provinces and autonomous regions internally, while externally, it borders Russia and Mongolia. It has 19 land ports and an 8,000-kilometre-long border. With its unique location, as well as cultural and resource advantages, the momentum for its opening up and commercial development is said to be becoming more rapid, driven in part by the dynamic port economy.



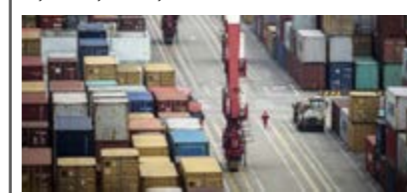
# 11

Jiangsu province rewarded 11 fishermen and five other people after they captured suspected underwater spy devices in China's territorial waters. Since 2020, fishermen in the coastal province have fished out 10 suspected foreign spy devices that had functions including underwater investigation and the identification and stealing of secrets, which posed a danger to the country's safety, according to an office of the province's national security department.



# 12.2%

The central government has released a new set of measures to stabilize China's foreign trade, a key driver of economic growth, as officials and experts expect stronger headwinds faced with the sector this year. In a guideline published on January 11, the State Council, China's Cabinet, unveiled a host of measures to explore the growth potential of national imports and exports and ensure the stability and unimpeded operation of industrial and supply chains. China's total foreign trade hit a historic record level of \$6.05 trillion in 2021, surging 21.4% from the year earlier, with exports up 21.2% and imports up by 21.5% year-on-year.



# 100

On a table in downtown Cairo, Fady Francis, 30, displays miniature sculptures of 100 influential world figures, standing side by side in harmony, although the figures were from different cultures, spoke different languages and lived in different eras in history. These statues and busts are carved by Francis as part of his 100-figure sculpture project that he has been working on for the past three years and expects to display at exhibitions in Egypt and abroad later this year.

Among the miniature sculptures are the mummy of Egypt's ancient King Ramses II in his sarcophagus, and the bust of China's philosopher, Confucius, surrounded by likenesses of Egyptian writer, Taha Hussein, India's Rabindranath Tagore, German-born physicist, Albert Einstein, Austrian composer, Wolfgang Amadeus Mozart, and Spanish painter and sculptor, Pablo Picasso

# 7.8%

The State Council, China's Cabinet, unveiled the first five-year plan on the digital economy on January 12, highlighting the sector's role in reshaping the global economic structure and international competition, and rolling out targets for its development through 2025. The plan laid out measures for upgrading national infrastructure, bolstering the role of data as a production element and promoting the digital transformation of industries. By 2025, the added value of core digital economy industries is expected to account for 10% of GDP, up from 7.8% in 2020.

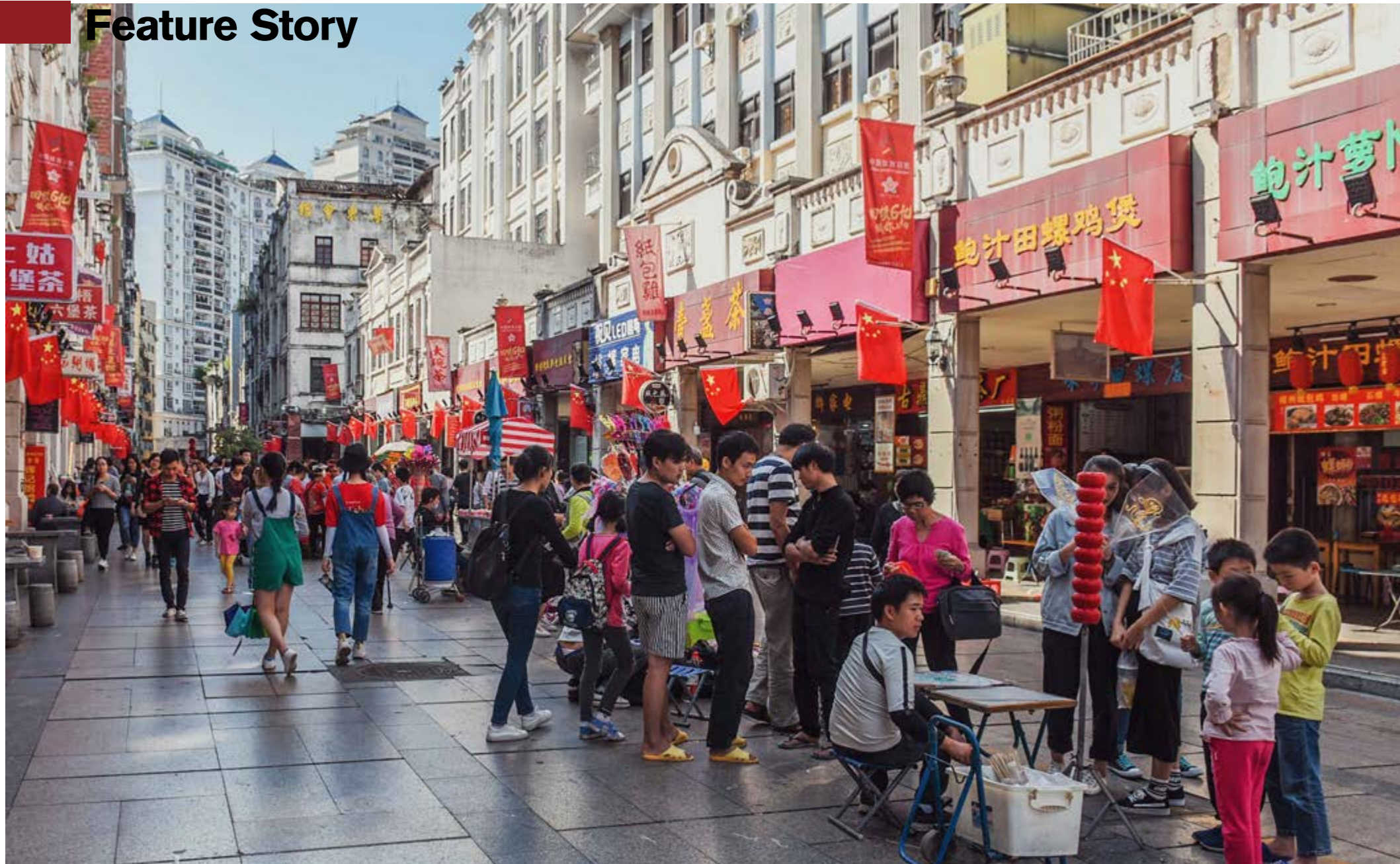


# 210

Chinese scientists have discovered four species of Gentiana on the Qinghai-Tibet Plateau whose flowers can close within seconds of being touched, making them the most sensitive flowers in the world, according to a recently published study. Netizens on Chinese social media have affectionately dubbed the flowers the "shyest" and "most humble" flora in the world. The rapid movement of petals has always been fascinating to scientists and nature lovers, as unlike animals, plants are generally perceived as static organisms. The four Gentiana species take seven to 210 seconds to close their petals, making them the most sensitive and fast-reacting flowers in the world, the study said.







Growth Rate of China's Retail Sales of Consumer Goods, H2 2021 (y/y growth rate)



# CONSUMPTION WILL BE TOP CATCHPHRASE AHEAD

China should take prompt and effective measures to shore up consumption amid COVID-induced uncertainties in 2022, as "stabilizing growth" will remain the common thread running through this year's economic playbook, experts said.

The comments came as total retail sales registered a robust 12.5% rise last year to over 44 trillion yuan, according to the National Bureau of Statistics' latest data on China's key economic gauges last year.

Domestic demand-triggered growth accounted for 79.1% of last year's economic growth, which indicates the significant role of the domestic market, said Ning Jizhe, head of the NBS.

Slowing growth in the final months of the year, though, suggested challenges ahead. For instance, December consumption, conventionally perceived as a year-end booster, grew just 1.7% year-on-year, down 0.18% compared with the previous month.

"It's fair to say that GDP growth in the fourth quarter is above market expectations," said Jason Yu, general manager of consultancy Kantar Worldpanel in China. "But the hovering domestic COVID cases have made the consumption rebound somewhat lacklustre, notably dealing a blow to the catering and tourism sectors."

Data showed retail spending in cities and rural areas remained largely balanced last year. The trade-up trend continued to gain steam, with expenditures on big-ticket items such as jewellery jumping nearly 30% year-on-year.

Implementing the dual-circulation development pattern has shown that consumption is the main driving force of economic recovery, said Fabrice Megarbane, President of North Asia Zone of L'Oreal Group and CEO of L'Oreal China. The company registered double-digit growth in China in the quarter ended September 2021.

"In China, we are encouraged by fast-growing consumption power and consumption appetite inspired by aspirations for a better life," Megarbane said. "As beauty becomes a beacon industry and leads consumption, we wish to see more policies on consumption boost and upgrade."

Internet-based retail revenue climbed 14.1% to 13.1 trillion yuan. Physical goods traded online accounted for around a quarter of all retail sales at 10.8 trillion yuan.

Yu said he expects e-commerce growth to ease further in the fourth quarter, a trend that calls for extra means to "stabilize growth".

Over the weekend, the National Development and Reform Commission released a notice aimed at boosting consumption as the Spring Festival holiday approaches, amid attempts to maintain effective contagion controls.

Multiple measures should be taken to meet residents' festive needs, including ensuring the supply of daily necessities, providing more

contactless services and helping senior citizens enjoy convenient transportation to reunite with their families, as per the directive. It also set out policies to upgrade online festival-related consumption and expand consumption in rural areas.

Haagen-Dazs, an iconic ice cream brand under General Mills, recently debuted a seasonal gift combo in which the ice cream features shapes familiar to mahjong, a traditional game enjoyed by Chinese during family reunions.

"In this vast consumer market, it's important for our brand to have high China relevance and resonate with the local culture," said James Chiu, Vice-President and China Managing Director of General Mills. "Spring Festival is a critical occasion to bond with customers and is part of the national cultural tide."

Spring Festival shopping will be a critical juncture that determines the overall first-quarter performance for many companies, Yu added.

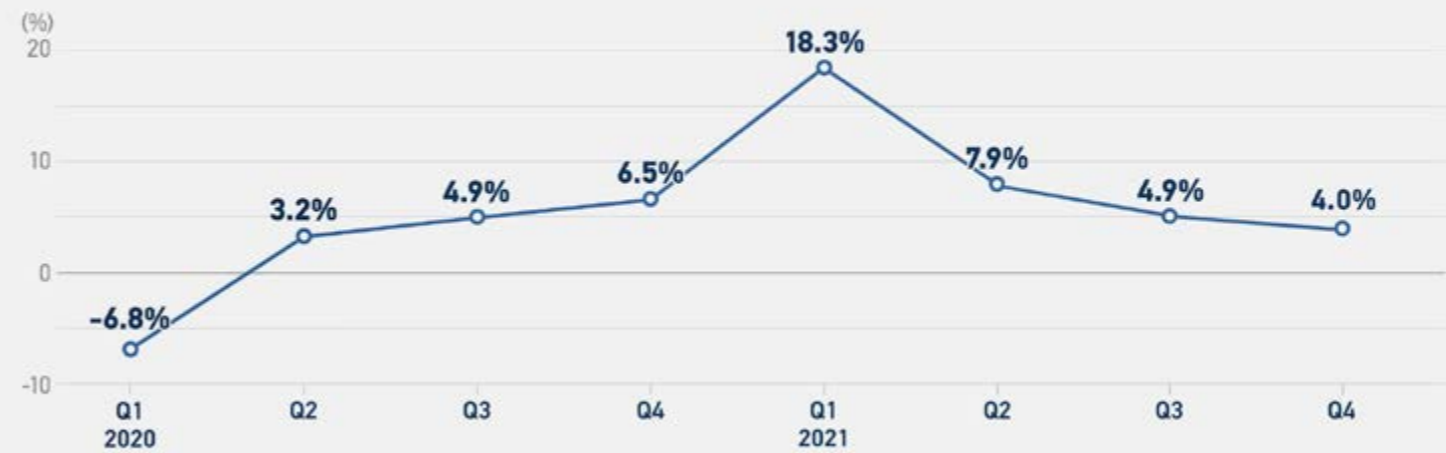
"As much of the blame for the overall economic pressure could be laid at the feet of COVID-19, it's therefore critical for governments and enterprises to prevent and control the contagion in a more precise manner in order to stabilize growth," he said.

Visit us online:  
[btianjin.cn/20220201](http://btianjin.cn/20220201)





China's GDP growth



Source: China's National Bureau of Statistics

CGTN

World Bank's threshold for a high-income country, Ning added.

Ning also warned that China is now facing pressures from shrinking demand, a supply shock and weakening expectations, saying that more efforts should be made to ensure the economy performs within a reasonable range.

Looking at the year ahead, he said that China has the capabilities to pursue progress while ensuring stability, fuelled by the government's effective measures to prevent and control COVID-19, China's complete industrial supply system, the ultra-large domestic market and manifold policy tools.

"We have the confidence, capabilities and conditions to achieve sustainable and healthy economic development (this year)," Ning added.

"The GDP growth of 4% year-on-year in the fourth quarter and 8.1% in 2021 as a whole came in a bit higher than what we've expected, amid stronger-than-expected industrial production in December," said Tommy Wu, lead China economist at British think tank Oxford Economics, who highlighted that economic stability is the top focus in 2022.

Wu said he expected to see macro easing measures to support economic growth.

"We expect front-loaded policy support in the first half to prevent growth from falling significantly below 5% in 2022. This includes the one-year medium-term lending facility rate cut

today. More generally, we expect strong infrastructure spending, robust credit growth and adequate support for the real estate sector this year," Wu said.

Bai Wenxi, chief economist at IPG China, said the Chinese economy has maintained substantial growth, especially as the nation's exports surged significantly.

Facing a complicated and grim external environment, Bai said the main focus should be to stabilize exports, expand domestic demand and ensure stable supplies.

Data from the National Bureau of Statistics showed that China's imports and exports reached \$6.05 trillion in 2021, setting a record that topped the previous high of \$4 trillion in 2013. Exports rose 21.2% year-on-year, while imports expanded by 21.5% on a yearly basis.

Liang Si, a researcher at Bank of China, highlighted the strong performance of exports and innovation-driven development in 2021, saying that China's sustainable economic growth is expected to spearhead the country's high-quality development during the 14th Five-Year Plan (2021-25) period.

According to the NBS, investment in 2021 in high-tech manufacturing increased by 22.2% year-on-year and in high-tech services it rose by 7.9% year-on-year.

Liang said various downside risks and uncertainties are clouding the economic

GDP Growth Forecast of Major Economies (%)



outlook, such as disruption due to sporadic COVID outbreaks.

Citing the Central Economic Work Conference held last month, he highlighted the importance of combining cross-cyclical and countercyclical adjustments to stabilize the overall economy, saying that this will help stabilize demand in the short term and foster long-term high-quality development.

The Chinese Academy of Sciences' Centre for Forecasting Science estimated that China's economy is expected to grow around 5.5% in 2022.

It said that domestic consumption is expected to maintain sustained growth in 2022, with a year-on-year nominal growth rate of 5.4% to 7%, which will still be the main driving force of economic growth.

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# NATION'S 2021 GDP TOPS 110 TRILLION YUAN, UP 8.1%

The economy of China expanded 8.1% year-on-year, with major indicators reaching the expected targets, showcasing its strong resilience and vitality despite the impact of the COVID-19 pandemic.

According to the National Bureau of Statistics, the country's gross domestic product reached 114.4 trillion yuan in 2021 with an increase of about 13 trillion yuan, or \$2 trillion, which is equivalent to the GDP of a major economy like Italy or Canada.

"China, the world's second-largest economy, is expected to account for more than 18% of the global economy

in 2021," Ning Jizhe, head of the bureau, said at a news conference in Beijing.

"It is estimated that the contribution of China's economic growth to the world economy is expected to reach about 25% in 2021, playing a key role in supporting the global economic recovery."

The country's per capita GDP stood at \$12,551 last year, approaching the





## SHANGHAI SEES INCREASE IN NEWLY REGISTERED ENTERPRISES

The number of newly registered companies in Shanghai rose 13.1% year-on-year to 465,200 in Shanghai last year, with the daily number hitting a record of 2,174, according to the latest data from Shanghai Municipal Administration for Market Regulation.

Shanghai was home to over 2.67 million companies at the end of 2021, up 10.8% from a year earlier.

The total registered capital of the enterprises founded in Shanghai in 2021 amounted to 2.78 trillion yuan, up 4.7% year-on-year.

The number of foreign-invested companies newly founded in Shanghai last year also surged 19.9% from 2020, while the total registered capital up rose 14.9%, the Shanghai Municipal Administration for Market Regulation announced.

By the end of September, 122 foreign-invested companies with a minimum registered capital of \$30 million each were set up in Shanghai, up 54% from a year earlier.

The number of newly registered licensed financial institutions also rose 40% in 2021 on a yearly basis, according to the administration.

Source: China Daily



## SHELL SAYS ELECTRICITY TO MEET 60% OF CHINA'S ENERGY USE BY 2060

China may triple electricity generation to supply 60% of the country's total energy under Beijing's carbon-neutral goal by 2060, up from the current 23%, Royal Dutch Shell said.

Shell is one of the largest global investors in China's energy sector, with business covering gas production, petrochemicals and a retail fuel network. A leading supplier of liquefied natural gas, it has recently expanded into low-carbon business such as hydrogen power and electric vehicle charging.

In a rare assessment of the country's energy sector by an international oil major, Shell said China needed to take quick action this decade to stay on track to reach the carbon-neutrality goal. China has mapped out plans to reach peak emissions by 2030, but has not yet revealed any detailed carbon roadmap for 2060.

This includes investing in a reliable and renewable power system and demonstrating technologies that transform heavy industry using hydrogen, biofuel and carbon capture and utilisation.

"With early and systematic action, China can deliver better environmental and social outcomes for its citizens while being a force for good in the global fight against climate change," Mallika Ishwaran, chief economist of Shell International, told a webinar hosted by the company's China business.

Solar and wind power are expected to surpass coal as the largest sources of electricity by 2034 in China versus the current 10%, rising to 80% by 2060, Shell said.

Hydrogen is expected to scale up to 17 exajoules (EJ), or equivalent to 580 million tonnes of coal by 2060, up from

almost negligible currently, adding that over 85% of the hydrogen will be produced through electrolysis powered by renewable and nuclear electricity, Shell said.

Hydrogen will meet 16% of total energy use in 2060, with heavy industry and long-distance transport as top hydrogen users, the firm added.

The firm also expects China's carbon price to rise to 1,300 yuan per tonne in 2060 from 300 yuan in 2030.

Nuclear and biomass will have niche but important roles for power generation in the years to come, Shell said.

Electricity generated from biomass, combined with carbon capture, utilisation and storage (CCUS), provide a source of negative emissions for the rest of the energy system from 2053, it added.

Source: The Business Times





## CHINESE SCIENTISTS BUILD FACTORY ROBOT THAT CAN READ MINDS ON THE ASSEMBLY LINE

Researchers in China say they have developed an industrial robot that can read a human co-worker's mind with 96% accuracy.

The robot not only monitored the worker's brain waves, but also collected electric signals from muscles, as it worked seamlessly together with the worker to assemble a complex product, according to its developers at China Three Gorges University's Intelligent Manufacturing Innovation Technology Centre.

The co-worker did not need to say or do anything when they needed a tool or a component, as the robot would recognise the intention almost instantly, picking up the object and putting it on the workstation, according to the developers.

"In modern industrial manufacturing, assembly work accounts for 45% of the total workload, and 20–30% of the total production cost," project lead scientist

Dong Yuanfa and his co-researchers said in a paper published in domestic peer-reviewed journal China Mechanical Engineering.

Collaborative robots, or "cobots", could accelerate the pace of an assembly line, but their application remained limited because "their ability to recognise human intention is often inaccurate and unstable", the paper said.

Humans and robots or autonomous machines have been working together in factories for decades, but are separated by fences in most places to avoid accidents.

In recent years, some advanced production plants, such as car factories in Germany, have introduced a fence-free work environment, with robots that swing into action only after a button is pressed. Such machines are equipped with safety sensors that stop them immediately if they come into physical contact with humans.



According to the paper, there would be some challenges to the application of the new technology in a real factory setting. Though the brain and muscle detectors could be placed inside a worker's cap and uniform, the quality of data could be affected by sweat or irregular movements.

Source: South China Morning Post



## EAST CHINA PROVINCE SEES ROBUST TRADE WITH B&R COUNTRIES

East China's Shandong province saw robust growth in its foreign trade with countries and regions along the Belt and Road in 2021, local authorities said.

The trade rose by 40.8% year-on-year to about 937.6 billion yuan last year, accounting for 32% of the province's total foreign trade, according to Qingdao Customs.

Shandong's exports and imports with countries participating in the Belt and Road Initiative (BRI) maintained an annual increase of 39.7% and 42.2% respectively in 2021.

Of the total, the energy and agricultural sectors are more closely linked between the two sides. In 2021, Shandong imported about 175 billion yuan of crude oil from countries along the Belt and Road, up 51.5%, and the imports of agricultural products increased 19.5% to more than 26 billion yuan.

From 2013 to 2021, the province saw its trade with BRI nations grow by an annual average of 11.1%.

Source: China Daily







# SHANGHAI TURNING INTO GLOBAL SHIPBUILDING POWERHOUSE

The breakthroughs that Shanghai-based shipbuilders made in December indicate the country's growing capacity for producing high-end vessels as it strives to become a global shipbuilding power.

Three shipyards in Shanghai recently announced successful developments in their respective areas, namely China's first domestically-made cruise ship being put in the water, the world's largest B-tank (very large ethane carrier—VLEC) being delivered, and the undocking of the world's largest container ship.

The new achievements displayed Chinese shipbuilders' capabilities in shipbuilding

technologies, market scale, industrial chains as well as shipbuilding-related supply chains, said Lin Guolong, director of Shanghai Maritime University's Logistics Research Centre.

China's first domestically-made cruise ship was placed in the water beside Shanghai Waigaoqiao Shipbuilding Co Ltd on December 17, which means about 55% of its total construction workload has been completed.

Due for delivery in September 2023, the 135,500-gross-ton Vista-class vessel officially entered the second-half phase of interior decoration and system debugging.

Its steel sheet cutting ceremony took place over two years ago.

At the floating stage, the 323.6-metre-long and 37.2-metre-wide cruise ship's elimination of remaining stress in the hull structure will help technicians collect data as they measure and verify the vessel to ensure its structural safety and stability.

However, the most challenging part for the Chinese cruise shipbuilder is just beginning.

Experts said building a cruise ship is "an unprecedented challenge" for China's shipbuilding industry in terms of its special structure, craftsmanship complexity, construction difficulties and strict requirements for global supply chain collaboration.

Therefore, every single element of urban life should be taken into the system management of the cruise ship, be it technology, culture or arts, and they should all follow global standards, Lin added.

By its delivery, the cruise ship will be capable of hosting a maximum of 5,246 guests, with its 2,125 guest rooms ranging from standard rooms to presidential suites, and will enable passengers to enjoy colourful journeys across the seven seas with plenty of on-board entertainment options as well.

On December 28, the world's first B-tank VLEC, Pacific Ineos Belstaff, was officially delivered, which is regarded as a new technological breakthrough by Jiangnan Shipyard.

The 230-metre-long and 36.6-metre-wide vessel was researched, developed and designed independently by Jiangnan Shipyard using the latest market trend of carbon neutrality. And the VLEC vessel features four B-tanks, which allows it to obtain a total capacity of 99,000 cubic meters of ethane.

Hu Keyi is chief expert at China State Shipbuilding Corp, the world's largest shipbuilder, and also Director of the Science and Technology Committee of Jiangnan Shipyard, a unit of the CSSC. He said B-tanks are regarded as the

most vital part of a VLEC, and the Type B cargo containment system, "Brilliance", was also fully developed by Jiangnan Shipyard.

Compared with the construction of Type-A VLGCs (very large gas carriers), from which Jiangnan Shipyard has garnered rich experience, B-tanks demand higher standards and requirements in terms of processing methodology, quality control, technical standards, precision of assembling and welding, deformation control and installation, said Zhou Qinghua, deputy chief technologist of the 99,000-cubic-metre VLEC.

The shipyard is currently in the process of building another three 99,000-cubic-metre VLECs, scheduled for delivery this year.

On December 29, the world's largest container ship with a capacity of 24,000 TEUs (twenty-foot equivalent units) was undocked at the shipyard of its builder Hudong-Zhonghua Shipbuilding (Group) Co Ltd in Shanghai, which marks another major achievement reached in China's shipbuilding industry in building ultra large container vessels.

The ship, designed independently by Hudong-Zhonghua, is the first of six 24,000-TEU ultra large container ships ordered by Evergreen Group.

Each is 399.99-metres long and 61.5-meters wide, and they are the world's largest container ships with the greatest capacity.

Equipped with desulfuration units, the container ship utilizes state-of-the-art technologies to ensure green sustainability and energy efficiency so as to make the vessel move swiftly and efficiently, with all its performance indicators meeting international advanced standards, Lin said.

Having its focus on building high value-added container ships, Hudong-Zhonghua currently has 19 large-sized container ships under construction, and in 2021 alone, it received orders for 13 units.

As the nation's leader in designing and building large container vessels, Hudong-Zhonghua has so far constructed more than 60 large-scale container ships (above 8,000 TEUs) for global shipowners. Among them, five represented the world's first batch of ultra large liquefied natural gas-powered 23,000-TEU container ships.

China took the lead in global shipbuilding by accounting for around half of new ship orders worldwide in 2021, or 965 vessels classed as 22.8 million compensated gross tonnage (CGT), according to British shipping services provider Clarkson.

In 2021, a total of 1,846 such new ship orders were placed across the world, with South Korea accounting for 38%, ranking second only to China.



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Jeff Bezos' recent expedition to space may not have surprised many, but the very objective of the trip is astonishing. Could space truly become a tourist destination in the future? Many sources have suggested that space is a vast location with some very extant resources and beautiful views. However, other pragmatic analysts suggest that space travel is not suitable for tourists. It must be explored only for research purposes and as a possible provider of resources for Earth.

The very notion of space becoming a possible destination for tourism started in 2001. An American businessman, Dennis Tito, became the world's first space tourist. Ever since then, the idea of it has become a significant and achievable objective for many countries. Additionally, the advancement of space shuttles and navigation technology truly supports this avid obsession with space.

While space tourism has expanded rapidly over the last few years, it is not at all cheap. Numerous business moguls and entrepreneurs have been able to travel to space. Moreover, they even had the luxury of visiting the International Space Station (ISS). Although this may sound attractive to many, the cost of traveling to space and coming back is around \$20 million. Can you afford it?

While the costs are incredibly high, various conglomerates and space tourism companies continue to develop resources. There are already many such companies inventing suborbital vehicles for space travel. Furthermore, they are also planning on developing orbital cities within the next two decades. This implies that space could potentially become a place for many to live. Maybe people like Elon Musk and Jeff Bezos will buy a house there. Nobody can tell for sure, but wouldn't we all would like to see space one day?

# SPACE TOURISM



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## HISTORY OF SPACE TOURISM

Despite reluctance from NASA, the space tourism industry started broadly in 2001. As mentioned before, Dennis Tito, who travelled to space in a Russian Soyuz rocket, was the first space tourist. As time went by, numerous other people started exploring the option of visiting space. South African businessman Mark Shuttleworth was the second person to purchase a ticket to space. He flew in the same rocket as Dennis Tito on 25th April 2002. By the end of 2010, around seven people had already become space tourists. It seems that the industry is not only going to grow, but also to thrive.

While the actual tourism began in the 2000s, many had predicted that space travel would become a multi-billion dollar industry. In 1997, NASA prepared a report which predicted that offering private citizens trips to space could be worth billions. Additionally, another Japanese report claimed that space travel could fetch upwards of \$10 billion a year. However, the main issue was the safety and reliability of the space shuttles that were being utilized.

In the current timeline, advances in technology have unlocked vast possibilities in the platform. The market is extensive, and the current shuttles are much better than those from the last decade. Hence, we will definitely see a massive rise in space tourism in the next couple of decades.

## COMMERCIAL SPACE TRAVEL

Currently, there are many ongoing projects aimed at advancement in space tourism. Companies that are developing technology rapidly to take you to space include:

- **Bigelow Aerospace:** Owned and operated by hotel owner Robert Bigelow, this company has made brilliant advances into space accommodation. According to the CEO, they hope to make 'habitable space



stations affordable for corporate communities!

- **The Space Island Group:** This company is going to build commercial infrastructure in space that will be ring-shaped. Apparently, they will build this city with empty NASA space-shuttle tanks that could potentially be habitable for humans. Additionally, it will rotate once per minute to create a gravity pull within the structure.
- **Space Adventures:** The CEO of this expansive, upcoming project claims that they shall take humans around space in their advanced shuttles. Tourists would receive a complete tour around the moon and back, aboard multiple space vehicles.
- **Hilton Hotels:** Even the famous hotel chain Hilton has shown interest in space. The company has mentioned that they could potentially co-fund or build a hotel in space. However, such projects are at least 15-20 years away from now.

Since the beginning of the whole space tourism idea, many people have been wondering when they would get to go. Well, their chance might be closer than ever now that rapid advances are being made. We may see space flights at the same frequency as airplanes from London to New York in the next few years.



# SUWON SOUTH KOREA

Are you a travel enthusiast who cannot relax until you have planned your next destination? If you are still hunting for a perfect place, let us suggest Suwon, a bustling town in South Korea. Suwon will definitely rank high on your list of favourites.

South Korea is gaining popularity as a preferred travel destination today, and Suwon, in particular,

is becoming well-known for its historical significance. It is the capital of the Gyeonggi Province in the north-western part of South Korea.

Suwon is known for its 18th century Hwaseong Fortress, which has an impressive stone wall and four pagoda-topped arched gates. Apart from this fort, Suwon has many other places worth visiting.

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## HOW TO REACH THERE

### By Air

The capital city, Seoul, has excellent connectivity by air from all the major countries in the world. Incheon International Airport is the largest airport in South Korea. It is 30 miles to the west of Suwon. There is no airport in Suwon. After reaching Seoul, one can travel to Suwon in a car, taxi, or train. The airport travel options include AREX trains, KTX service, or a local bus from the airport to the desired location.

### By Sea

You can take a ferry service to Suwon from nearby places such as Dokdo or other harbours in South Korea.

### Train

The KTX high-speed bullet train from Seoul station takes around 35 minutes to reach Suwon. One can find a train to Suwon every 30 minutes. Furthermore, the Seoul Subway line 1 is connected to Suwon and the trip takes around an hour. You get to see the beautiful Korean countryside in this train once it leaves the city limits.

### By Land

You can hire a taxi or travel to Suwon by car from Seoul or nearby cities. There are also buses to Suwon from Seoul, Busan, Daegu, Gwangju, Jeonju, Mokpo, and Sokcho. The Seoul Express Bus Terminal, Seoul

Nambu Terminal, Central City in Seocho-gu, and other bus terminals provide intercity buses covering major cities around South Korea.

### Moving Around

Transportation options in Suwon are numerous. If you want to move around quickly in the city, you can opt for a taxi or bus at a reasonable fee. There are also free shuttle buses from Suwon station that take you to the Korean Folk Village. Buses are reliable and cheap. The green buses take you around the city, while the red buses take you to the neighbouring villages.

### VISA FORMALITIES

You need to apply for a visa before you embark on your journey to South Korea. You will need an original passport with at least 6 months' validity.

### E-Visa

Anyone traveling to South Korea can apply for an e-visa from the Visa Portal. The online visa for South Korea, K-ETA, is given to all the tourists with proper documents. It is mandatory to obtain a K-ETA to travel to South Korea, and no country is currently exempt. A single-entry visa will have a validity of 90 days for USD 40. For an extension, one needs to apply again on the visa portal and pay an extension fee depending upon the number of days extended.

For a stay longer than 90 days, the charge for a visa is USD 60.

### VISA ON ARRIVAL

A visa on arrival is not available for South Korea. The country only offers the option of obtaining a visa through a government diplomatic office, either an embassy or a consulate.

### IMPORTANT LOCATIONS IN SUWON

#### HWASEONG FORTRESS

The Hwaseong Fortress has historical and architectural significance. King Jeongjo built it to move the capital from Seoul to Suwon. It was declared a UNESCO World Heritage Site in 1997. The fortress is open daily and operational for 24 hours a day. Touring the fort, tourists have to depend on a car or a power car. It will take about 3–4 hours to complete the tour.

**Fees:** The admission fee is 1,000 won (USD 0.84).

**Location:** 1-2 Jangan-dong, Paldal-gu, Suwon, Gyeonggi-do, South Korea

#### PALDALMUN GATE

The famous Paldalmun Gate was once the entrance point to the Hwaseong Fortress. The gate is inscribed with the names of

people who contributed to the construction. It has two walls, one of which is crescent-shaped, which provides additional protection. There is a bustling street in front of the gate. One can visit this site and then go shopping nearby.

#### SUWON WORLD CUP STADIUM

The Suwon World Cup Stadium is a famous tourist attraction for football fans. The stadium has hosted three FIFA Confederations Cup competitions and four FIFA World Cup competitions. This famous stadium is also known as the Big Bird and has a capacity of 43,959 people. It is open daily for visitors from 10 a.m. to 5 p.m.

**Admission Fees:** Adult 1,000won (USD 0.84), children and seniors, 500won (USD 0.42)

**Location:** 310 Woldeukeom-ro, Uman 1(il)-dong, Paldal-gu, Suwon, Gyeonggi-do, South Korea

#### BAEGUN LAKE

Baegun Lake is one of the important reservoirs of Suwon. It has exciting hiking trails, local stores, and restaurants, making it a popular tourist destination. Tourists can engage in various recreation activities, including horse rides, visiting the theme park, or exploring the nearby







library. Tourists can sample Korean, Thai, and Japanese cuisine in several restaurants.

**Fees:** Admission is free  
**Location:** Cheonggye-dong, Uiwang-si, South Korea

**SUWON FIRST CHURCH**

The Suwon First Church showcases Korean architectural, which is why it is so popular. The church is unique in style, with black brick construction. The 10-floor structure is an architectural wonder located at the top of a hill.

**Fees:** Admission is free  
**Location:** 286-3 Ji-dong, Paldal-gu, Suwon

**KOREAN FOLK VILLAGE**

The Korean Folk Village, a quaint little village located east of Suwon, is rich in culture and history. One can find important information about the late Joseon era here. The entire place is maintained to reflect ancient Korean history and way of life. You can find impressive traditional performances, including the Korean wedding ceremony, Nongak, as well as farmer's music, and horseback martial arts.

The volcano site in a vast family park is a popular attraction here. It is also famous for some of the best traditional Korean rice cakes.

**Fees:** The entrance fee is 20KRW per person (USD 0.016857092)  
**Location:** South Korea, Gyeonggi-do, Yongin-si, Giheung-gu, Minsokchon-ro, 90 KR

**MANSEOK PARK**

The Manseok Park is built around a large reservoir in an urban setting in Suwon. During the 18th century, Jeongio of Joseon built this reservoir for irrigation purposes.

One can enjoy a view of the beautiful cherry trees beside the reservoir. At the south of this park lies the Suwon Arts Centre. The park has various sports facilities, including football, tennis, skating, and basketball.

**Fees:** Admission is free  
**Location:** South Korea, Gyeonggi-do, Suwon-si, Songjuk-dong, 434 KR

**TOILET MUSEUM**

As unique as it sounds, the Toilet Museum, or the Haeujae, has a famous

story behind its construction. The former mayor of Suwon (1939 – 2009) led a campaign to improve toilet sanitation in the city, after which he was nicknamed "Mr. Toilet". In 2007, he pulled down the house he had resided in for 30 years and built a giant toilet-shaped structure to celebrate the foundation of the World Toilet Association. It is an odd and unique place to visit with children.

**Fees:** Admission is free  
**Location:** 9 Jangan-ro 458beon-gil, Imok-dong, Jangan-gu, Suwon-si, Gyeonggi-do, South Korea

**CONCLUSION**

These are some famous and not-so-famous places in Suwon, South Korea. Considering the historical relevance, you will find visiting the city can give you a deep insight into the rich cultural roots of the country. It is one of the primary cities in South Korea with historical importance. The city is an absolute treat to the eyes of tourists with its unique historical sites and urban structures. So the next time you plan a trip to this city, be sure to include these places in your itinerary.



**FOREIGN TRADE OF CHINA'S HENAN HITS RECORD HIGH**

Imports and exports of central China's Henan province topped nearly 821 billion yuan last year, according to Zhengzhou customs.

The foreign trade volume of Henan exceeded 800 billion yuan for the first time, posting an yearly rise of 22.9%, said the customs of the provincial capital.

The top three markets for Henan's foreign trade in 2021 were the United States, the Association of Southeast Asian Nations (ASEAN), and the European Union (EU).

Mobile phones, labour-intensive products and items made out of human hair were among the main exports, while integrated circuits, audio and video parts, and metal ores were the main imports.

The province's trade volume with countries and regions along the Belt and Road grew 16.4% year-on-year, reaching more than 182.5 billion yuan.

Source: China Daily



**STARBUCKS EXPANDS DELIVERY SERVICES IN CHINA WITH MEITUAN TIE-UP**



Starbucks said it has entered into a partnership with China's Meituan that will allow its Chinese customers to order coffee delivery via the super-app's platform.

The move will expand the US coffee chain's delivery footprint in China, which has since 2018 used Alibaba Group's Ele.me as its exclusive delivery partner.

The two companies will also launch

a service which will allow Meituan users to make private bookings for tasting of coffees and learning to make them at Starbucks stores, it said.

Starbucks has 5,360 stores in more than 200 Chinese cities, making it the second largest market only after the United States, according to the company's most recent earnings report.

The company also said it would utilise Meituan's "super store" feature under the partnership which will see each of its stores have their own unique page on Meituan's platforms by the end of this year, from which customers can book food delivery services or check local events.

Source: The Business Times





## APPLE'S BIGGEST IPHONE PLANT WOOS WORKERS WITH FAT BONUSES AMID OMICRON OUTBREAK IN CENTRAL CHINA



The world's largest iPhone factory is offering former workers extra cash to return to its production line, as a local Omicron COVID-19 outbreak disrupts travel to the central Chinese city of Zhengzhou.

According to a job posting by the Zhengzhou campus of Foxconn Technology Group, the biggest assembler of Apple handsets, the Taiwan company's iPhone component production unit known as innovative Product

Enclosure Business Group (iPEBG) is giving returning workers a signing bonus of 9,500 yuan, in addition to a monthly income of 6,865 yuan.

The same bonus package was previously offered last July, when the factory was ramping up production of the new iPhone 13 series, according to the South China Morning Post's review of past recruitment advertisements.

The plant had raised rewards for former workers from 5,500 yuan to 8,000 yuan in June, before deciding to increase the amount even more.

The increased incentives

this time around show Foxconn's urgency in hunting for experienced workers ahead of the Lunar New Year holiday, which goes from January 31 to February 6, when migrant workers across China usually return home to reunite with families.

Meanwhile, a recent surge in Omicron and Delta coronavirus cases in Henan province, of which Zhengzhou is the capital, has led authorities to place quarantine restrictions on people leaving and entering the region.

Source: *South China Morning Post*

## MACAO'S RESTAURANT, RETAIL BUSINESSES IMPROVE IN NOVEMBER 2021



Restaurants and retail businesses in Macao grew in November 2021 as compared to the previous month, the special administrative region's statistics service said.

The latest report from the Statistics and Census Service (DSEC) indicated that 27% of the interviewed restaurants and similar establishments reported a year-on-year rise in revenue, a growth of 15 percentage points from October 2021.

Meanwhile, the proportion of interviewed retailers recording a year-on-year sales rise in November last year grew by 20 percentage points over the preceding month to 37%.

For the Business Performance Index (BPI) that reflects the trend of year-on-year changes in revenues, the values for restaurants and similar establishments and retail trade were both lower than 50, implying that the business performance of these two industries in November 2021 was less satisfactory compared to the same month of 2020.

As regards the business expectations for December last year, 89% of the interviewed restaurants and similar establishments expect their revenue to increase month on month or remain stable, up by 3 percentage points from November.

Ninety-two percent of the interviewed retailers anticipated a month-on-month sales rise or steady performance in the month, a growth of 4 percentage points from November 2021.

Source: *China Daily*

## CHINA CAR SECTOR FALLING SHORT OF 'NET ZERO' GOALS



China's massive car sector is on track to bring its climate-warming carbon dioxide emissions to a peak by 2027, but on current trends, it is unlikely to meet the country's 2060 "net zero" target, environment group Greenpeace said.

The sector's total carbon emissions are likely to plateau at 1.75 billion tonnes, and will steadily drop 11% by 2035, Greenpeace estimated in a research report. But it

will need to cut emissions by at least 20% by 2035 if it is to stay on track towards net zero by 2060, Greenpeace said.

China needs to bring zero emissions vehicle sales to 63% by 2030 and 87% by 2035 if it is to meet its targets, the environmental group estimated.

"The ideal response is for car makers in China to completely phase out internal combustion engine vehicles by 2030," said Bao Hang, project leader for Greenpeace Asia in Beijing.

China said in a 2021-2035 development plan for the sector in late 2020 that pure

electric vehicles should make up 20% of sales by 2025 and then become the "mainstream" by 2035.

The country's cabinet said in an action plan on bringing emissions to a peak last year that total new and clean energy vehicle sales should reach around 40% of the total by 2030.

Chinese sales of battery-powered electric vehicles, plug-in petrol-electric hybrids and hydrogen fuel-cell vehicles grew 157.5% to 3.52 million units in 2021, official data showed.

Source: *The Business Times*

## WINTER OLYMPICS ORGANISERS STOP TICKET SALES AFTER OMICRON CORONAVIRUS VARIANT FOUND IN BEIJING



Tickets for the Beijing Winter Olympics Games will not be sold to the public, and only selected spectators will be invited to attend on supervised trips, event organisers said.

The Games' organising committee had previously said that tickets would be available to domestic buyers but not to overseas fans.

"Due to the complexity of pandemic control and prevention, in order to ensure the safety of the Olympics-related personnel and audience, we will adjust our plan to organising viewers to watch the Games," the committee said. "Attendees will need to strictly follow all COVID-19 prevention requirements."

Beijing has recorded its first local case of Omicron ahead of Winter Olympics and Lunar New Year. The announcement comes after the recent discovery of a person in Beijing infected with the Omicron variant of

the coronavirus. With less than three weeks to go until the opening of the Games, a woman from Haidian district tested positive after having a sore throat and fever.

Local authorities have since tracked her movements, placed restrictions in part of the city and conducted mass screening, racing to keep transmissions under control before the international sporting event and the Lunar New Year.

Source: *South China Morning Post*



# TECH ADVANCES

## 5G SPEED STROKE GROWTH IN 8K CONTENT

Spectators will be able to see 8K images of Olympic events on TV and UHD images on 8K terminals at venues, city squares and other places during the Winter Olympics, said Yu Hong, Director of the Beijing Organizing Committee for the 2022 Olympic and Paralympic Winter Games' Technology Department.

Organizers of the Games and venue operators have tested new broadcasting technologies, such as 8K UHD livestreaming and cloud-based broadcasting, to give viewers a more immersive experience. In addition, China Media Group said it will broadcast the event with some innovations, including 8K UHD transmissions.

China's UHD video industry was expected to exceed a valuation of 4 trillion yuan by 2022, according to a plan issued by the Ministry of Industry and Information Technology, the National Radio and Television Administration and China Media Group.

The plan said breakthroughs were to be made in the research and development of products and the industrialization of 8K technology this year. Internationally competitive companies were being fostered in the field, and the number of UHD video users is expected to hit 200 million.

Chinese home appliance manufacturers have been ratcheting up efforts to join the 5G-powered 8K UHD TV flurry in a bid to grab a bigger slice of the country's high-end TV market.

The domestic 8K TV industry is still in a nascent stage, and Skyworth will intensify research and development efforts in 8K chips to improve the clarity, contrast and brightness of images.

Skyworth has launched a series of 8K TV products with built-in 5G connectivity, which supports 8K signal reception,

decoding, image signal processing and screen display.

However, there is a shortage of 8K video content, which requires advanced, professional equipment such as special cameras and monitors, increasing the cost of producing content. The high cost of 8K technology-based products and limited 8K content are major factors expected to hinder the market's growth aid.

More efforts should be made to strengthen research and expand the application scenarios of UHD technologies, accelerate breakthroughs in key and core components, such as high-performance memory chips and image sensors, and new display material, and boost innovation in UHD video business models.

TCL began its rollout in the 8K TV market in 2018 and has invested heavily in cutting-edge display technologies such as quantum dot and mini light-emitting diodes, which incorporate tiny crystal semiconductor particles for better brightness and colour, conducive to creating excellent image quality for 8K TVs.

Chinese home appliance giant, Konka Group Co Ltd, has concentrated its innovation efforts on cutting-edge technologies, such as 5G, 8K UHD and the internet of things, powered by artificial intelligence, as part of a broader

push to propel the development of the semiconductor display industry. The IoT refers to a network of devices that contain software or sensors that allow them to exchange data.

In addition, Konka, and Migu Co Ltd, a subsidiary of China Mobile that provides digital content and services, have formed a strategic partnership to jointly build a 5G UHD laboratory to bolster the development of the UHD video industry.

The partners' intention is to carry out research and exploration in the field of 5G, 4K, micro light-emitting diodes and 8K UHD display technologies, and roll out innovative products for individuals, families, healthcare, culture, education, entertainment and sports.

Domestic TV sales reached 17.81 million units in the first half of 2021, down 14.7% compared with the same period in 2020, while the corresponding sales revenue stood at 59.4 billion yuan, an increase of 15.1% year-on-year.

At present, more efforts should be made to further improve 8K video content and optimize the production process, said Sun Jian, an analyst at the TV department of Beijing-based market research organization, Sigmaintell Consulting.

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The emergence of the 8K ultrahigh definition television industry is to usher in explosive growth opportunities, fuelled by the upcoming Beijing 2022 Winter Olympics and the deployment of superfast 5G technology, which makes the transmission of 8K content possible.

With breakthroughs in 8K technology and the growing

maturity of the industrial chain, the cost of 8K televisions is expected to drop as shipments and penetration rates rise, they added. The term 8K refers to an image or display resolution with a width of approximately 8,000 pixels, currently the highest UHD resolution in digital television and digital cinematography.





## HARD TECH PLAYERS NOW ADOPTED BY MORE INVESTORS

Chinese investors are turning to new opportunities in hard technologies, with venture capital investments in related areas hitting a new high, and experts believe this will help replicate the success of the consumer internet in new growth.

Hard tech, which is also known as deep tech, is the term coined for areas that rely heavily on advanced scientific knowledge, long-term research and development, and continuous investment. It mainly includes the areas of optoelectronic chips, artificial intelligence, aerospace, biotechnology, information technology, new materials, new energy and smart manufacturing.

More than 1.27 trillion yuan of funds had been raised from China's equity investment market in the first three quarters of 2021, which is a hefty 50.1% rise year-on-year, said a report.

Among all invested industries, information technology, biotech and medical care, semiconductor and electronic equipment top the list, as over 5,000 investment cases in the reporting period are in these areas.

Ni Zewang, Chairman of the Shenzhen Capital Group, one of the most active investors in China in 2021, said the group's investments hit a record high last year "with hard tech projects taking the majority".

As of September, the group invested in a total of 1,174 companies, 72% of which are hard tech firms. "The number of such companies is still increasing every year," Ni said.

Among its 198 investments last year, intelligent manufacturing, information technology and biomedicine accounted for 21.72%, 28.28% and 20.2%, respectively, he said.

"With the new internet economy being the main growth driver of China's primary market over the past decade, opportunities represented by the technological upgrading will lead the growth of the next 10 years," said Rachel Mei, a partner in leading Chinese investment firm, Taihecap.

Mei said that among the top 100 financing events in terms of funding amount, the proportion of financing in the secondary industry continued to rise from about 10% five years ago to 32% by the end of last year.

Notably, what is behind the 32% are mostly hard tech projects, including semiconductors, new energy and smart cars. This is in sharp contrast to five years ago when it mostly consisted of communication products, computers and consumer electronics, she added.

"It is a strong trend since last year that investment turned from the tertiary industry to the secondary industry, and from model innovation to technological innovation," Mei said.

In March, the country mapped plans to boost its national research and development spending by more than 7% annually and highlighted seven tech fields for major breakthroughs.

The Beijing Stock Exchange, which began trading in November, is expected to become a venue for small start-ups with advanced technologies. The STAR Market in Shanghai, a Nasdaq-style board also known as the Science and Technology Innovation Board, revised its rules last year to prioritize listings of hard tech companies.

"China's future economic growth will rely more on technological progress. Its efforts in green transformation will also depend on technological upgrades," said Peng Wensheng, chief economist and research head at China International Capital Corp Ltd.

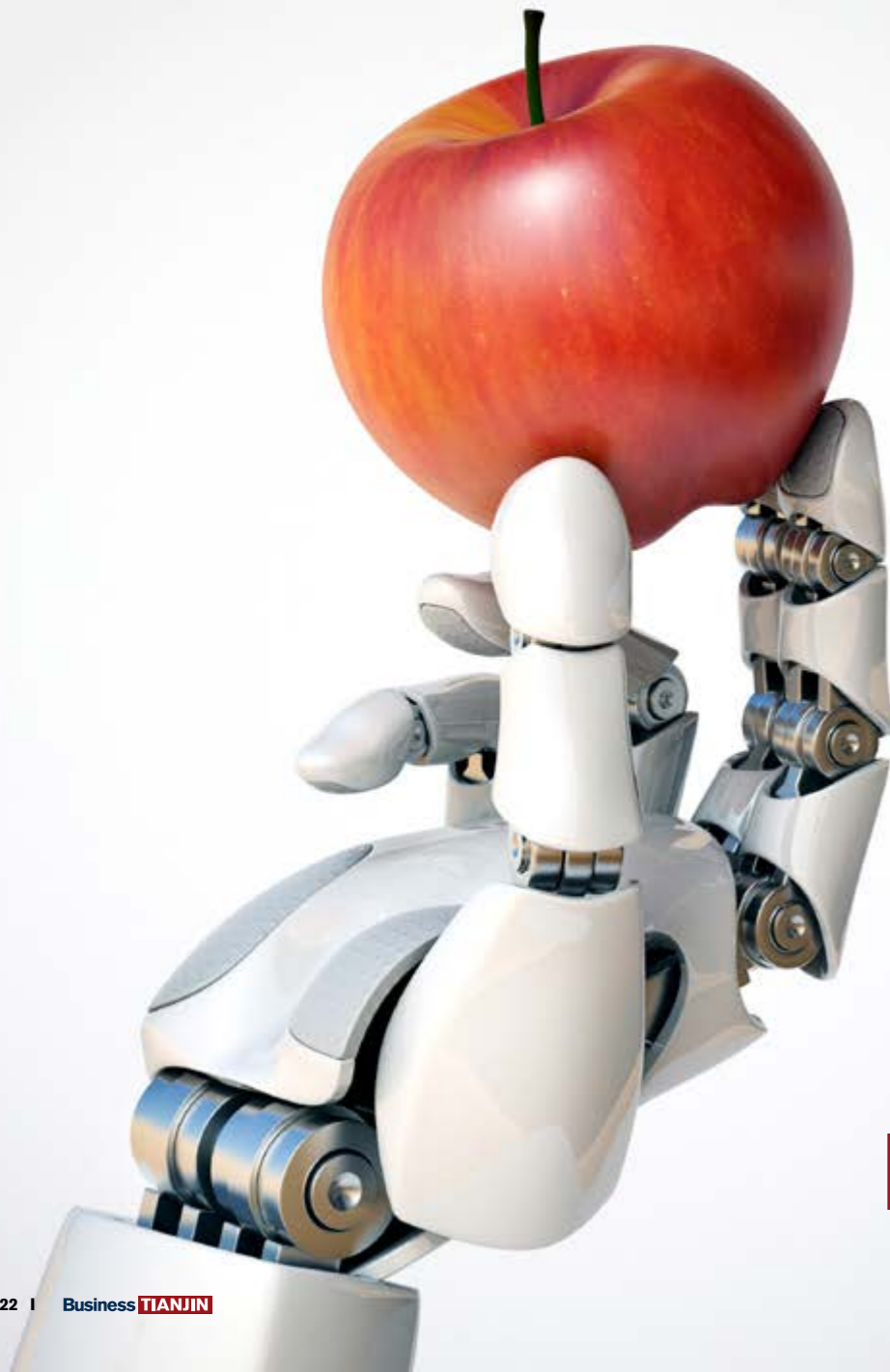
"The country's scientific and technological prowess has improved significantly, but in terms of basic R&D investment, it is necessary to increase it, especially in the tech sector," Peng said.

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# THESE AWESOME FLYING ROBOTS ARE PICKING FRUITS



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Robots and humanoids have changed the way human resource works today. Many industries use robots for various reasons. Firstly, they can work for longer hours, and secondly, there are no labour laws or unions involved. The speed and accuracy of robots is unmatched by humans. They can get twice as much work done in half the amount of time as compared to humans.

You can see robots used commonly in shipping, logistics, packaging, construction, etc. The manufacturing industry also uses robots and humanoids, and you have probably heard about robots parking cars at a European airport and in Amazon shipping and delivery processes. One way or the other, robots, drones, self-driven vehicles, and automation are all part of robotics and are in some way involved in making our day-to-day life easier.

Another field where robotics is actively playing a role is agriculture. Seeding and harvesting are being done by drones in many projects around the world. In this article, we will be talking about some amazing flying robots that help in picking fruit. Robotics, AI, deep learning, and machine learning are used in this process. Now fruit farmers don't have to worry about wasting ripe fruit, because these machines can identify which fruit to pick and which to leave.

## THE BENEFITS OF USING FLYING ROBOTS

We have all had our lives disrupted because of the COVID-19 pandemic, but the fruit harvesting industry has really suffered. However, robots have stabilized the challenges to the industry, and fruit harvesting can now be easily carried out.

A complicated task such as this takes multiple technologies working together. The robots have to identify the trees and which fruit to pick, and should not damage the trees or the plantation during the process.

The flying robots use computer vision-enabled AI technology along with data fusion, perception aeronautical engineering, robotics, and drone technologies. They use an AI perception



algorithm to spot the trees. The ripe fruits are identified through vision algorithms. The robots are programmed to judge the best possible placement to pick fruit without damaging the trees and can manoeuvre through obstacles such as trees, humans, and other robots.

These robots can also bridge the gap between the supply and demand for manpower. Because of over-population and increased quantity of harvest, more fruit pickers are needed, and according to estimated statistics, there will be a shortage of around five million pickers.

Furthermore, a lot of fruit is either wasted due to late harvesting or premature harvesting. Unripe fruit can't be sold, and overripe fruit loses value and taste. Also, overripe fruit perishes quickly.

## THE FUTURE

There have been concerns about the future of human resources in industries using robots. People are already losing their jobs due to the pandemic, and this may add fuel to the fire by getting more people displaced. However, this is not the case with these flying robots. Tech companies have ensured that these robots will be part of a hybrid solution, including both humans and robots, and these robots can work with humans on a long-term basis.

These robots are still in the initial stages, mostly prototypes, but based on their success, many pilot projects are being launched in the US, Italy, and Spain. Soon, you might be seeing robots flying around picking perfectly ripe fruit for us.







## EFFECTIVE WAYS TO PROMOTE A NEW PRODUCT

There are innumerable ways to promote or sell your products or services in the 21st century. Banners, word-of-mouth, and print advertisements coexist happily alongside the internet's plethora of new strategies. Here are a few suggestions to get you going.

Creating a new product or service is a lot of effort, and sadly, it doesn't end there—launching and advertising is the other part of the story. Many campaigns fail before the rest of the world learns about them because they lack a solid marketing and promotional plan.

### EXCELLENT STRATEGIES FOR PROMOTION

Product marketing differs from one product to the next, making it difficult to standardise a technique that would ensure exceptional results across the industry. To decide on the best strategies for your organisation, you must first understand your own product, potential customers, and the market. These techniques will aid in the appropriate publicising of your goods.

### THE ULTIMATE POWER OF SOCIAL MEDIA

Undoubtedly, using social media is a powerful tool. It's essential to have great photographs and concise descriptions of what you offer on social networking sites for successful brand promotion. YouTube, Facebook, Instagram, Pinterest, Twitter and a slew of other platforms provide several opportunities to market your business, and you can start a campaign to reach your chosen demographic at a reasonable price.

Social media competitions are a fun and entertaining method to engage with

consumers while also gaining additional fans/followers and opportunities for your company.

### ADVERTISING THROUGH EMAIL MARKETING

Email is a terrific way to spread information regarding your new products and services. Furthermore, it serves as an excellent way to obtain subscriber subscriptions in the first place.

Upgrade your email list by providing an incentive for website visitors to enrol. Send out frequent mailings to your subscribers with coupon codes, informative articles, hidden specials, and product releases. Your list is significant for sales and will also assist you in developing an exclusive targeted audience.

### USE GOOGLE MY BUSINESS

Google My Business is an excellent internet platform for promoting your goods. If you have a Google My Business account, you may utilise it to generate several kinds of postings. What's New and Offers are the two most common kinds.

You may post images of your goods for customers to browse and click on. Keep in mind, though, that posts disappear after seven days, so you'll have to resubmit after they're gone. If you're giving limited-time deals on your items, you may promote them in the Offers postings category.

### OFFER LOYALTY PROGRAMMES

Loyal customers are an essential component in pitching your product, since they are likely to not only buy it but also spread the word about it to their contacts. Loyalty programmes, which can be free of cost, provide extra advantages to subscribers. Most paid loyalty programmes require you to pay a membership fee to access a variety of discounts and special offers.

It might also be a unique strategy to invite customers to try the programme out and provide an opinion. This is not only a terrific way to engage customers, but it also emphasises how much you appreciate them. Engagement and loyalty are critical components of any promising promotional campaign.



### MARKETING THROUGH INFLUENCERS

Influencer marketing is the hottest trend in the world of brand building, and it is rapidly expanding. Influencer marketing identifies personalities in your fields, such as content creators and Instagrammers, and asks them to speak about your product. You don't have to settle for working only with bloggers.

Influencer referrals and reviews can help you build social confidence among your target market. Many people base their purchase decisions on what influencers propose, since their followers trust them enough to make informed purchases. You may even ask them to create a hashtag to highlight your brand.

### INCREASE ENGAGEMENT THROUGH GIVEAWAYS

People are intrigued by the promise of receiving something for free. Marketers take advantage of this need for free things to circulate information about the products, gain new consumers, and boost sales.

Hosting and running a giveaway is a very effective method to advertise both your brand and your new product at the very same time. Organising a contest can help disseminate the word rapidly to a large and diverse audience.

### CONCLUSION

The more consistent and regular your advertising is, the more your audience learns about it, the greater the likelihood of involvement. Use the tactics stated above to get the intended results for your product release, software upgrade, or new service launch. The ideal strategy to showcase your new product or service will be determined by the media your target audience uses and their online behaviours.

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# CHINA'S CAR RENTAL

## MARKET TO TOP 150B YUAN BY 2025

China's car rental market is poised to enter a phase of rapid expansion, with its market scale estimated to top 150 billion yuan by 2025, according to a report.

The car rental market will see expeditious development amid China's regular epidemic prevention and control work, according to the report jointly issued by Boston Consulting Group and the research institute of eHi Car Services.

The car rental industry has achieved a 30-fold growth over the past two decades, stated the report, noting that

the market size of China's car rental industry had reached nearly 90 billion yuan by 2020.

It added that the future of car rental industry will be impacted by the evolution of new technologies.

Consumption upgrade, penetration of new energy vehicles (NEVs) and technological evolution of self-driving vehicles are the three trends affecting the car rental industry, said the report.

Changes in attitudes, from owning a car to sharing a car, coupled with policy stimulus, gave a strong boost to the car rental market, while the

pandemic has also made consumers more susceptible to choosing rental services.

In the NEVs value chain, rental companies play a role in promoting technological upgrades, as electrification and smart network connection are important trends in the auto industry.

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# A STRATEGIC POST-PANDEMIC HR PLAN



Since the worldwide pandemic has thrown the business world into disarray, it is understandable how tough it is to look ahead and resume our routines while a pandemic wreaks havoc on our work and personal lives. The "not so new" coronavirus has prioritised catastrophe plans for all corporate leaders, especially in human resources. From endless Zoom meetings to numerous WFHs, it can be said that it has been a roller coaster ride with more curves and few smooth tracks.

## POST-PANDEMIC EFFECTIVE HR STRATEGIES

In many aspects, the pandemic re-emphasised the importance of HR's people-related responsibilities. To justify the "human" in human resources, HR personnel not only had to maintain work life but also had to understand the home life of an individual. They need to take a step back and look at the broad picture before laying out a more comprehensive strategy for HR and businesses. In this article, we'll look at how HR can take action in those areas to create a solid and long-lasting talent strategy that will help businesses succeed in the post-pandemic era.

## BALANCE THE ART OF EMPATHY AND DUTY

This is not a new concept for HR, but after the pandemic, it was seen that people's physical and mental health deteriorated more often. Some employees or their families were infected by the coronavirus, which caused turmoil over their mental health as well.

However, those who were saved from it, by God's grace, are allowing the fear of it to hinder their everyday life. The dichotomy of the situation is that, in this respect, HR has to play the role of both an empathic listener and a command giver. This can be considered as the duty of HR in keeping the organisation running smoothly.

## MAKE EMPLOYEES REALISE THAT THEY ARE ACKNOWLEDGED

Employees don't want to be seen as anonymous cogs in a larger machine; they want to be recognised for the distinct value they provide to the organisation. With this in view, HR is now giving more personalised benefits to individuals to help them realize that their wellbeing matters to the company, and businesses are offering more customised perks and internet tools.

In the business world, it's all about giving and taking privileges. The more you sow,

the more you reap, and this pandemic has made HR realise this fact more aptly. The notion is that when provided with a variety of options, employees of all backgrounds and stages of their careers will meet their own needs.

## PRACTISE EOD (EQUITABLE ORGANISATION DESIGN)

Almost everyone likes to be heard and noticed, and it was seen that during the virtual meetings during the pandemic, some employees definitely felt heard. They didn't feel compelled to interject themselves into the debate. Everyone gathered in a shared virtual environment. This is what equitable organisation design trends are driven by.

HR who are serious about turning the tide in the fight for workplace diversity and inclusion must consider structural changes, such as tackling equality and equity through inclusive design.

## START USING AI

AI is the wave of the future, specifically with respect to human resources. It enables businesses to accomplish more than they ever have before with a fraction of the effort. All of the complicated work will be done efficiently by the AI, saving a lot of time and effort. It also helps screen employees and facilitate the hiring process, thereby simplifying the process to a great extent.

The goal of AI is to automate repetitive processes so that human workers can

focus on higher-value work. Thus HR can implement this strategy for a more methodical work structure.

## BE PREPARED FOR THE UNCERTAIN

This pandemic appeared gradually and slowly took over the whole world. Was it predicted? To a great extent, its bizarre consequences were unforeseen. After this setback, HR should become vigilant and always have a plan to deal with the worst. This has unquestionably become a part of the post-pandemic strategy.

This mentality adjustment necessitates a shift from convoluted thinking toward a complexity awareness, whereby intricate problems necessitate linear thinking so they can be expected or avoided.

## CONCLUSION

These strategies might interfere with your typical work culture, but as is rightly said, "No guts, no glory." In the last year, we have seen the world turned upside down in every aspect, and the HR department that supports the company's foundation undoubtedly needs to cement it properly. It is thus advisable to make a solid game plan now and plan for the transition that all HR personnel have to make.

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## MESSAGE FROM THE CHAIRMAN OF THE BOARD DR. SCHREMPF

The 2021 was again dominated by pandemic and it turned out that China continued and will continue its approach in order to control the pandemic to strictly close down the borders. From the European Chamber we put a lot on advocacy efforts on the topic and it was not always possible to bring in the needed foreign experts or their relatives.

Another very important advocacy topic was the carbon neutrality and access to green energy. Here at least we can report that Tianjin has established a trading platform for green energy. Even this platform is in an early stage we hope and work on it that it develops in a way that the platform can support our needs for real green energy.

**The European Chamber has recently decided to kick off in 2022 the drafting of the 2<sup>nd</sup> local position paper for Tianjin.** We had our 1st one published in 2016. A local position paper is the strongest mean to be successful in our advocacy efforts.

Below you will find a first set of proposals, for sure these are only the headlines.

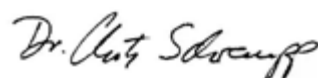
### Proposals for Key Recommendations of the 2022/2023 Local Position Paper for Tianjin.

1. Continue re-enforcing support for visa / working permit applications for foreign employees and their families and to facilitate the process.
2. Resolve administrative issues that limit access to domestic talents.
3. Close cooperation with, and support for, European business in terms of environmental ambitions and access to green energy. Support energy-saving measures and alignment of environmental ambitions.
4. Foster environmental ambitions as new a motor for Tianjin's development.
5. Implement regular and frequent exchanges with the Chambers and associates to receive consultancy in broader and diversified ways, to fully engage on how to ease business in Tianjin and to ensure overall transparency and consistency in Tianjin's law-enforcement environment.
6. Revive Jing-Jin-Ji projects and involve industries to gather expectations and needs to make Jing-Jin-Ji projects more transparent and well-known to EU companies.
7. Establish practical measures regarding Tianjin's position as an "advanced manufacturing center"; support the win-win cooperation between domestic and international business.
8. Restore Tianjin port's reputation as a major import/export hub providing exceptional levels of efficiency and service.

Your voices matter. We welcome the feedback of your TOP 5, please contact us by mail to [cguo@european-chamber.com.cn](mailto:cguo@european-chamber.com.cn).

On behalf of European Chamber Tianjin Chapter, I want to thank you for your loyalty and support in 2021. We are looking forward seeing and meeting you again in 2022 and providing you our best in the fields of advocacy, business intelligence and community.

Yours,



**Dr. Christoph Schrempp**

Chair

European Union Chamber of Commerce in China, Tianjin Chapter



## FERNWEH • GERMAN BALL

March 26, 2022

Save the Date & Partner with Us!



The German Chamber of Commerce - North China is excited to invite you to the 20th German Ball Beijing, the largest event for the German community in Beijing.

To invoke the poetic notion of travel and the deepest cravings in your heart, this year we prepared the ball with the theme of Fernweh. Get prepared and immerse yourself into the faraway lands, a world that is decorated with exotic elements, where your goading restlessness may release.

**Date & Time:** March 26th from 6:00 PM

**Venue:** Kempinski Hotel Beijing Lufthansa Center

**Dress Code:** Black Tie

**Tickets:** Member: 1500 RMB

Non-member: 1900 RMB

### BECOME AN EVENT PARTNER

Thanks to a host of generous sponsors and partners, the night is full of surprises ready to come home with you.

There are still remaining seats for partnership, and plenty of benefits are waiting for you!

If you are interested in becoming an event partner for the German Ball 2022, please feel free to contact Ms. Jessica Huang:

**Email:** [huang.jessica@china.ahk.de](mailto:huang.jessica@china.ahk.de)

**Tel:** +86-10-6539 6663



**AMCHAM CHINA, TIANJIN MEMBERS FULFIL THEIR CORPORATE SOCIAL RESPONSIBILITIES AND FIGHT AGAINST “OMICRON”**

At the beginning of 2022, a new COVID-19 outbreak suddenly hit Tianjin. While the Tianjin government is making every effort to control the spread of the pandemic, member companies of AmCham China, Tianjin have also taken concrete actions to fulfil their social responsibilities. Their contributions include but are not limited to: providing logistic support; sending volunteers to support the massive COVID-19 tests; sponsoring food and beverages for the communities and volunteers, etc.

**Schneider Logistics (Tianjin) Co., Ltd.**  
世能达物流 (天津) 有限公司

As a logistics company, Schneider Logistics (Tianjin) Co., Ltd. strictly manages the fleet and carriers to ensure the safety and timely completion of transportation tasks, and has places to Tianjin, and 2,243 tons of cargos out of Tianjin.



**OTIS Elevator (China) Company Limited**  
奥的斯电梯 (中国) 有限公司

In the face of the sudden outbreak of the epidemic, Otis quickly launched an emergency response, and made and implemented the response plan to ensure the continuous operation of OTIS elevator equipment safely and reliably. The epidemic-fighting volunteers from OTIS joined in the communities to fight against Omicron, exercising OTIS' social responsibility.



**Tianjin United Family Hospital**  
天津和睦家医院

Tianjin United Family Hospital (TJU) has upgraded its prevention measures, quickly adjusting its medical services in accordance with the epidemic prevention regulations, and continuing to meet the needs of the patients. At the same time, a number of medical staff was sent to support the community COVID-19 screening services, and a team led by the General Manger went to the Blood Donation Centre to donate blood.



**Tianjin Airtech Advanced Materials Co., Ltd.**  
天津埃尔泰克复合材料有限公司

During the epidemic period, Airtech Asia actively implemented anti-epidemic safety actions and fulfilled its social responsibilities by donating masks to Tianjin local schools to help primary school students actively fight the epidemic.



**Tianjin Amcare Women's & Children's Hospital**  
天津美津宜和妇儿医院

Since January 9th, 2022, Tianjin Amcare Women's and Children's Hospital has supported the nucleic acid collection point in Nankai District for 3 screening since January 9, 2022. A total of 46 medical staff were sent for nucleic acid collection with at least 276 hours; 15 administrative personnel were dispatched, and the support time was not be less than 75 hours.



**The Ritz-Carlton, Tianjin**  
天津丽思卡尔顿酒店

The Ritz-Carlton, Tianjin fulfilling its commitment to the "Community Footprint" program of the Ritz-Carlton brand, prepared and delivered daily lunch and dinner boxes to the community staff. Recently, during the Laba Festival, the hotel cooked tasty, warm Laba porridge and delivered it to all the community staff and volunteers.



**PPG Coatings (Tianjin) Co., Ltd**  
PPG (天津) 有限公司

Based on strictly following Tianjin's COVID-19 prevention policy, PPG Tianjin employees from all departments work consistently, respond flexibly and give mutual support, with each business order being fulfilled in a sequential way. Many colleagues also volunteered in community epidemic prevention with their families. Because of its smooth running in minimizing COVID-19 impact, PPG Tianjin is highly recognized by the government, customers, senior leaders and society.



**Boeing Tianjin Composites Co., Ltd.**  
天津波音复合材料有限责任公司

Boeing Tianjin employees actively participated in community volunteer activities against COVID-19, donated ball-pens which can be used to touch phone screen to community workers.



**Admiral Farragut Academy Tianjin**  
法拉古特学校

Since the new COVID-19 outbreak, more than 40 staff and students at AFA Tianjin have join the battle against Omicron, working day and night as volunteers.





DINING

TIANJIN

Chinese



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T: +86 22 2462 6888  
美食汇全日餐厅  
河东区大直沽八号路486号天津万达文华酒店一层

**SóU**  
A: 49F, Tangla Hotel Tianjin, No.219 Nanjing Road, Heping District  
T: +86 22 2321 5888 ext.5106  
思创  
南京路219号天津唐拉雅秀酒店49楼

**Bam Bou**  
A: 1<sup>st</sup> Floor, Conrad Tianjin, No. 46, Tianta Road, Nankai District, Tianjin  
T: +86 22 5888 6666  
竹影  
南开区天塔道46号天津康莱德酒店一层

**Bakeries & Desserts**  
**Gang Gang Bread & Wine**  
A: 104, Olympic Tower, Chengdu Dao, Heping District  
T: +86 22 2334 5716  
冈冈葡萄酒 & 面包店  
和平区成都道126号奥林匹克大厦1层104

**LE CROBAG – Tianjin Store**  
Le Crobag 德国面包房  
A: Room 109, Building A2, Binshui West road, Nankai District, Tianjin  
T: +86 22 23741921  
南开区奥城商业广场A2商9



**Western**  
**Promenade Restaurant**  
Featuring gorgeous views of the Hai River, Promenade provides the exclusive dining experience with South East Asia flavors, Indian gourmet, Chinese and Western traditional cuisine and more.  
A: 1F, The St. Regis Tianjin No. 158, Zhang Zizhong Road Heping District  
T: +86 22 5830 9959  
O: 06:00 - 22:00  
河岸国际餐厅  
和平区张自忠路158号天津瑞吉金融街酒店一层(哈密道正对面)

**Riviera Restaurant**  
Riviera brings the casually elegant refined dining experience to Tianjin featuring modern Mediterranean -French dishes paired with selections from an superb list of international wines.  
A: 1F, The St. Regis Tianjin. No. 158, Zhang Zizhong Dao Heping District  
T: +86 22 5830 9962  
O: 11:30 - 14:30; 17:00 - 22:00.  
蔚蓝海餐厅  
和平区张自忠路158号天津瑞吉金融街酒店一层

**ZEST**  
A: 1 F, The Ritz-Carlton, Tianjin No. 167 Dagubei Road, Heping District, Tianjin  
T: +86 22 5809 5109  
香溢 - 全日餐厅  
和平区大沽北路167号天津丽思卡尔顿酒店一楼

**Cielo Italian Restaurant**  
A: 9/F, Four Seasons Hotel Tianjin 138 Chifeng Road, Heping District Tianjin  
T: +86 22 2716 6263  
意荟·意大利餐厅  
和平区赤峰道138号天津四季酒店9层

**La Sala Lobby Lounge**  
A: 2/F, Four Seasons Hotel Tianjin 138 Chifeng Road, Heping District Tianjin  
T: +86 22 2716 6261  
四季·大堂酒廊  
和平区赤峰道138号天津四季酒店2层

**Brasserie Flo Tianjin**  
A: No.37, Guangfu Road Italian Style Town, Hebei District  
T: +86 22 2662 6688  
福楼  
河北区意大利风情区光复道37号



**Drei Kronen 1308 Brauhaus**  
A: 1F-2F, bldg. 5, Jinwan Plaza, Jiefang Bei Lu, Heping District  
T: +86 22 2321 9199  
路德维格·1308 德餐啤酒坊  
和平区解放北路津湾广场5号楼1-2层

**blue frog (Riverside 66)**  
A: Unit 3009, Riverside 66 No. 166 Xing'an Road, Heping Dist.  
T: +86 22 23459028  
蓝蛙 (恒隆广场店)  
和平区兴安路166号恒隆广场3009室

**Prego Italian Restaurant**  
A: 3F, The Westin Tianjin, No.101, Nanjing Road, Heping District  
T: +86 22 2389 0173  
Prego意大利餐厅  
和平区南京路101号天津君隆威斯汀酒店3层

**Pizza Bianca**  
A: No.83 Chongqing Lu, Min Yuan Stadium, Heping District, Tianjin  
T: +86 22 8312 2728  
比安卡意大利餐厅  
和平区重庆道83号民园体育场内

**Churchill Wine & Cigar Bar**  
A: 1F, Wanda Vista Tianjin, 486 Bahao Road, Da Zhi Gu, Hedong District  
T: +86 22 2462 6888  
丘吉尔红酒雪茄吧  
河东区大直沽八号路486号天津万达文华酒店一层

**Browns Bar & Restaurant**  
A: No.108-111, 1st Floor Min Yuan Stadium, Heping District  
T: +86 22 88370588/88370688  
E: info@browns-tj.com  
勃朗斯英式酒吧餐厅  
和平区重庆道83号民园广场西楼一层108-111号

**Bella Vita Italian Restaurant**  
A: Florentia Village Outlet Mall, North Qianjin Road, Wuqing District, Tianjin  
T: 15222574660  
W: www.bellavitaconcept.com  
美好生活意大利餐厅  
武清区前进道北侧佛罗伦萨小镇 Food-5



DINING



**Brasserie on G**  
A: 1<sup>st</sup> Floor, Conrad Tianjin, No. 46, Tianta Road, Nankai District, Tianjin  
T: +86 22 5888 6666  
美庭  
南开区天塔道46号天津康莱德酒店一层

**1863 Bistro & Terrace**  
A: 1F Astor Wing, The Astor Hotel, A Luxury Collection Hotel, Tianjin No. 33, Tai'er Zhuang Lu Heping District  
T: +86 22 2331 1688 ext. 8918  
1863别致西餐厅&花园  
利顺德翼·和平区台儿庄路33号天津利顺德大饭店一层

**Café Majestic**  
A: 1F Haihe Wing, The Astor Hotel, Tianjin. No. 33, Tai'er Zhuang Lu, Heping District  
T: +86 22 2331 1688 ext. 8910  
凯旋咖啡厅  
海河翼·和平区台儿庄路33号天津利顺德大饭店一层

**Café Venice**  
A: 2F, Holiday Inn Tianjin Riverside Phoenix Shopping Mall East Haihe Road, Hebei District  
T: +86 22 2627 8888 ext. 2271  
威尼斯咖啡厅  
河北区海河东路凤凰商贸广场天津海河假日酒店2楼



**THE CORNER-CHANCE**  
A: No.101-102 Harbin Rd, Heping District, Tianjin  
考恩餐饮&文化空间  
和平区哈尔滨道102增101号  
T: +86 22 8321 9717

**The CORNER-ACADEMY**  
A: No. 86 Harbin Rd., Heping District, Tianjin  
T: +86 22 2711 9871  
考恩预约品鉴店  
和平区哈尔滨道86号

**Habuka the Butcher**  
A: No.187, Chengdu Road, Heping District, Tianjin  
T: +86 22 8338 5251  
+86 157 2205 2242  
羽深肉铺  
和平区成都道187号



**Milano Studio**  
A: 1D-08, Building 5, Jinwan Plaza, Jiefangbei Rd, Heping District  
T: +86 22 8111 0589  
17526583756  
米拉诺意式餐吧  
天津市和平区解放北路津湾广场5号楼1D-08

Bars



**CHA Lounge**  
A stunning bar anchors this stylish lounge, the perfect setting to linger a while with a cup of carefully prepared tea complemented by the hotel's signature afternoon tea.  
A: 1<sup>st</sup> Floor, Conrad Tianjin, No. 46, Tianta Road, Nankai District  
T: +86 22 5888 6666  
W: conradtianjin.com  
洽堂  
南开区天塔道46号天津康莱德酒店一层

**The St. Regis Bar**  
The most beautiful bar in town with stunning river view. A rare haven of refined luxury, The St. Regis Bar is a place for guests to enjoy the enduring tradition of St. Regis Afternoon Tea and a wide selection of refreshing drinks.  
A: 1F, The St. Regis Tianjin. No. 158 Zhang Zizhong Road, Heping District  
T: +86 22 5830 9958  
O: 09:30 - 01:30.  
瑞吉酒吧  
和平区张自忠路158号天津瑞吉金融街酒店一层

**FLAIR Bar and Restaurant**  
A: 1 F, The Ritz-Carlton, Tianjin, No. 167 Dagubei Road, Heping District, Tianjin  
T: +86 22 5809 5099  
FLAIR餐厅酒吧  
中国天津市和平区大沽北路167号天津丽思卡尔顿酒店一楼

**The Lobby Lounge**  
A: 1<sup>st</sup> Floor, The Ritz-Carlton, Tianjin, No. 167, Dagubei Road, Heping District, Tianjin  
T: +86 22 5857 8888 ext. 5091  
W: ritzcarlton.com/tianjin  
大堂酒廊  
中国天津市和平区大沽北路167号天津丽思卡尔顿酒店一楼

**Gusto Bar**  
A: 9/F, Four Seasons Hotel Tianjin, 138 Chifeng Road, Heping District, Tianjin  
T: +86 22 2716 6264  
9吧  
和平区赤峰道138号天津四季酒店9层

**China Bleu**  
A: 50F, Tangla Hotel Tianjin, No. 219 Nanjing Lu, Heping District  
T: +86 22 2321 5888  
中国蓝酒吧  
南京路219号天津唐拉雅秀酒店50层

**WE Brewery**  
A: 4 Yi He Li, Xi An Road Heping District, Tianjin  
T: +86 18630888114  
W: webrewery.com  
WE Brewery酒吧  
和平区西安道怡和里4号

SERVICES

Golf



**SITONG BAR**  
A: -1F, Olympic Tower Tianjin, No.126, Chengdu Road, Heping District  
T: +86 22 2337 7177  
+86 22 2335 8628  
昔唐酒吧  
天津和平区成都道126号奥林匹克大厦负一层

Wine

**Euphrosyne Wine Culture. Communication Co., Ltd.**  
A: 2-12A05, Meinian Plaza, Dongting Road, Hexi District  
T: +86 22 58187788, +86 13032299189  
欢乐颂天津葡萄酒文化传播有限公司  
天津市河西区洞庭路美年广场2-12A05



Fitness

**Fitness Center**  
A: B1<sup>st</sup> Floor, Conrad Tianjin, No. 46, Tianta Road, Nankai District, Tianjin  
T: +86 22 5888 6666  
健身中心  
南开区天塔道46号天津康莱德酒店地下一层



**Ai Dong Li Fitness (Meijiang Exhibition Center Store)**  
A: B4, Section 2, Phase II, Meijiang Exhibition Center, Huichuan Road, Xiqing District  
T: +86 22 2628 9999  
梅江会展中心店 (山姆超市四楼) 西青区汇川路梅江会展中心二期二区B4

**Ai Dong Li Fitness (Meijiang Jiangwan Store)**  
A: No.1, Jiangwan Plaza, Fuli Jimenhu, Xiqing District  
T: +86 22 8822 5567  
爱动力健身梅江江湾店(游泳馆) 西青区富力津门湖江湾广场1号底商

**Ai Dong Li Fitness (Share Time Store)**  
A: 3F, Share Time Shopping Mall, Weishan Nan Road, Jinnan District  
T: +86 22 8897 9567  
禧悦时光店  
津南区微山南路首创禧悦时光商业广场3楼

**FYLA GOLF International Golf Academy**  
A: Senao Golf Driving Range, Aoti Road, Nankai District, Tianjin  
T: 18526437988  
飞乐国际高尔夫学院  
天津市南开区奥体道森奥高尔夫练习场

Education



**UPI**  
A: No.7 Kaifeng Road, Heping District  
T: +86 22 23319485  
UPI国际教育幼儿园  
和平区开封道7号

International Schools

**法拉古特学校天津校区**  
Admiral Farragut Academy Tianjin

**Admiral Farragut Academy Tianjin**  
A: No.3, Yantai Road, Heping District  
T: +86 022 2339 6152  
W: www.farragut.cn  
法拉古特学校天津校区  
和平区烟台道3号

**INTERNATIONAL SCHOOL of TIANJIN**  
Working Learning Acting TOGETHER

**International School of Tianjin**  
A: No.22 Weishan South Road, Shuanggang, Jinnan District  
T: +86 22 2859 2002/5/6  
W: www.istanjin.org  
天津经济技术开发区国际学校天津分校  
津南区(双港)微山南路22号

**Wellington College International Tianjin**  
A: No. 1, Yide Dao, Hongqiao District  
T: +86 22 8758 7199 ext. 8001  
M: +86 187 2248 7836  
E: admissions.tianjin@wellingtoncollege.cn  
W: www.wellingtoncollege.cn/tianjin  
天津惠灵顿外籍人员子女学校  
红桥区义德道1号

**Wellington College International Tianjin**  
A: No. 1, Yide Dao, Hongqiao District  
T: +86 22 8758 7199 ext. 8001  
M: +86 187 2248 7836  
E: admissions.tianjin@wellingtoncollege.cn  
W: www.wellingtoncollege.cn/tianjin  
天津惠灵顿外籍人员子女学校  
红桥区义德道1号

**Tianjin International School**  
A: No.4-1, Sishui Dao, Hexi District  
T: +86 22 8371 0900 ext. 311  
天津思锐外籍人员子女学校  
河西区泗水道4号增1  
W: www.tiseagles.com



SERVICES

Hotels

★★★★★ Hotels



**Renaissance Tianjin Lakeview Hotel**

**A:** No. 16, Binshui Dao, Hexi District  
**T:** +86 22 5822 3388  
万丽天津宾馆  
河西区滨水道 16 号



**THE RITZ-CARLTON**  
TIANJIN

**The Ritz-Carlton, Tianjin**

**A:** No. 167 Dagubei Road, Heping District, Tianjin  
**T:** +86 22 5857 8888  
天津丽思卡尔顿酒店  
和平区大沽北路 167 号



**ST REGIS**  
TIANJIN

**The St. Regis Tianjin**

**A:** No. 158, Zhangzizhong Road Heping District  
**T:** +86 22 5830 9999  
天津瑞吉金融街酒店  
和平区张自忠路 158 号  
(津塔旁·哈密道正对面)

**The Westin Tianjin**

**A:** 101 Nanjing Road, Heping District  
**T:** +86 22 2389 0088  
**W:** westin.com/tianjin  
天津君隆威斯汀酒店  
和平区南京路 101 号



**HYATT REGENCY**  
TIANJIN EAST

**HYATT REGENCY TIANJIN EAST**

**A:** 126 Weiguo Road, Hedong Dist. Tianjin, 300161  
**T:** + 86 22 2457 1234  
**F:** +86 22 2434 5666  
**W:** tianjin.regency.hyatt.com  
天津东凯悦酒店  
天津市河东区卫国道 126 号



**Four Seasons Hotel Tianjin**

**A:** 138 Chifeng Road, Heping District, Tianjin  
**T:** +86 22 2716 6688  
天津四季酒店  
和平区赤峰道 138 号

**The Astor Hotel, Tianjin**

**A:** No. 33, Tai'er Zhuang Lu, Heping District  
**T:** +86 22 5852 6888  
天津利顺德大饭店  
和平区台儿庄路 33 号



**BANYAN TREE**  
TIANJIN RIVERSIDE

**Banyan Tree Tianjin Riverside**

**A:** No. 34, Haihe Dong Lu, Hebei District, Tianjin  
**T:** +86 22 5883 7848  
**W:** www.banyantree.com  
天津海悦榕庄  
河北区海河东路 34 号



**Holiday Inn Tianjin Xiqing**

**A:** No. 5 Wanhui Road, Zhongbei Town, Xiqing District, Tianjin 300385, P.R. China  
**T:** +86 22 8797 5555  
天津中北假日酒店  
西青区中北镇万卉路5号 邮编 300385

**Holiday Inn Tianjin Riverside**

**A:** Phoenix Shopping Mall Haihe Dong Lu, Hebei District  
**T:** +86 22 2627 8888  
天津海河假日酒店  
河北区海河东路凤凰商贸广场

**Holiday Inn Tianjin Aqua City**

**A:** No. 6, Jieyuan Dao, Hongqiao District  
**T:** +86 22 5877 6666  
天津水游城假日酒店  
红桥区芥园道 6 号



**Shangri-La Hotel, Tianjin**

**A:** No.328 Haihe East Road, Hedong District Tianjin, 300019 China  
**T:** + 86 22 8418 8801  
天津香格里拉大酒店  
河东区海河东路 328 号



**PAN PACIFIC TIANJIN HOTEL**

**A:** No. 1 Zhang Zi Zhong Road, Hong Qiao District  
**T:** +86 22 5863 8888  
**E:** infor.pptsn@panpacific.com  
天津泛太平洋大酒店  
天津红桥区张自忠路 1 号

**Tangla Hotel Tianjin**

**A:** No. 219, Nanjing Lu, Heping District  
**T:** +86 22 2321 5888  
天津唐拉雅秀酒店  
和平区南京路 219 号



**Tianjin Yan Yuan International Hotel**

**A:** Zi Jin Shan Lu, Hexi District  
**T:** +86 22 2731 3388  
天津燕园国际大酒店  
天津市河西区紫金山路 31 号

**Holiday Inn & Suites Tianjin Downtown**

**A:** No.22 Changjiang Road, Nankai District, Tianjin 300202. P.R. China  
**T:** +86 22 87876666  
400 884 0888  
**W:** www.holidayinn.com.cn  
天津融侨套房假日酒店  
中国天津市南开区长江道 22 号



**Conrad Tianjin**

**A:** No. 46, Tianta Road Nankai District, Tianjin  
**T:** +86 22 5888 6666  
天津康莱德酒店  
南开区天塔道 46 号



**Wanda Vista Tianjin**

**A:** 486 Bahao Road, Da Zhi Gu, Hedong District, Tianjin 300170  
**T:** +86 22 2462 6888  
**F:** +86 22 2462 7000  
天津富力万达文华酒店  
中国天津市河东区大直沽八号路 486 号



**Courtyard by Marriott Tianjin Hongqiao**

**A:** No. 166 Beima Road, Hongqiao District, Tianjin  
**T:** +86 22 5898 5555  
天津陆家嘴万怡酒店  
天津市红桥区北马路 166 号

**Radisson Tianjin**

**A:** 66 Xinkai Road, Hedong District Tianjin 300011, China  
**T:** +86 22 2457 8888  
**E:** hotel@radisson-tj.com  
天津天诚丽筠酒店  
中国天津市河东区新开路 66 号 邮编 300011

Serviced Apartments

**Ariva Tianjin Binhai Serviced Apartment**

**A:** No. 35 Zi Jin Shan Road, Hexi District  
**T:** +86 22 5856 8000  
**F:** +86 22 5856 8008  
**W:** www.stayariva.com  
滨海·艾丽华服务公寓  
天津市河西区紫金山路 35 号

**Ariva Tianjin Zhongbei Serviced Apartment**

**A:** No. 80 Xingguang Road, Zhongbei Town, Xiqing District  
**T:** 022-5863 1188  
**F:** 022-5863 1166  
**E:** Reservation.ATZB@stayariva.com.cn  
天津中北·艾丽华服务公寓  
天津市中北镇星光路 80 号



**Conrad Residences Tianjin**

**A:** No. 46, Tianta Road Nankai District, Tianjin  
**T:** +86 22 5888 6666  
天津康莱德酒店公寓  
南开区天塔道46号



**Fraser Place Tianjin**

**A:** No. 34 Xing Cheng Towers Ao Ti Street, West Weijin South Road, Nankai District  
**T:** +86 22 5892 0888  
**E:** sales.tianjin@frasershospitality.com  
天津招商辉盛坊国际公寓  
南开区卫津南路西侧奥体道星城 34 号楼



**The Lakeview, Tianjin-Marriott Executive Apartments**

**A:** No. 16, Binshui Dao, Hexi District  
**T:** +86 22 5822 3322  
天津万豪行政公寓  
河西区滨水道 16 号



**The Ritz-Carlton Executive Residences, Tianjin**

**A:** No.167 Dagubei Road, Heping District  
**T:** +86 22 5857 8888  
天津丽思卡尔顿行政公寓  
天津市和平区大沽北路167号



**Somerset International Building Tianjin**

**A:** No. 75, Nanjing Lu Heping District  
**T:** +86 22 2330 6666  
天津盛捷国际大厦服务公寓  
和平区南京路75号

**Somerset Olympic Tower Tianjin**

**A:** No. 126, Chengdu Dao Heping District  
**T:** +86 22 2335 5888  
天津盛捷奥林匹克大厦服务公寓  
和平区成都道126号



**HIMALAYA SERVICED RESIDENCES TIANTA TIANJIN**

**A:** Intersection of Weijin South Road and Tianta Road, Nankai District, Tianjin  
**T:** +86 22 2352 2888  
天津天塔喜马拉雅服务公寓  
天津市南开区卫津南路与天塔道交汇天津天塔喜马拉雅服务公寓

**HIMALAYA SERVICED RESIDENCES NANKAI TIANJIN**

**A:** Intersection of Hongqi South Road and Chuxiong Road, Nankai District, Tianjin  
**T:** +86 22 2366 1188  
天津南开喜马拉雅服务公寓  
天津市南开区红旗南路与楚雄道交口天津南开喜马拉雅服务公寓

Industry



**Otis Elevator (China) Co., Ltd.**

**A:** No. 443 Jiefang South Road, Tianjin, China (300210)  
**T:** 4008185588  
奥的斯电梯(中国)有限公司  
天津市河西区解放南路443号·300210



**Flender Ltd., China**

**A:** No. 20, Shuangchen Middle Road, Beichen Economic Development Area (BEDA)  
**T:** +86 22 2840 2109  
弗兰德传动系统有限公司  
天津市北辰经济开发区双辰中路 20 号



**NNIT (Tianjin) Technology**

**A:** 20 F, Building A, JinWan Mansion, No.358 Nanjing Road · 300100 Tianjin  
**T:** +86 22 58856666  
**W:** www.nnit.cn  
天津恩恩科技有限公司  
南开区南京路 358 号·今晚大厦 A 座 20 层

SERVICES

Serviced Office



**The Executive Centre**  
德事商务中心

**The Exchange Tower 2**

津汇广场 2 座 29 层  
**A:** Level 29 | The Exchange Tower 2, No. 189 Nanjing Road, Heping District, Tianjin 300051, China  
**T:** +86 22 2318 5111  
天津市和平区南京路 189 号津汇广场 2 座 29 层

**Modern International Financial Centre**

天津国际金融中心 21 层  
**A:** Level 21 | Modern International Financial Centre, No. 136 Chifeng Road, Heping District, Tianjin 300041, China  
**T:** +86 22 2318 5088  
天津市和平区赤峰道 136 号天津国际金融中心 21 层

**Tianjin World Financial Center**

环球金融中心 41 层  
**A:** Level 41 | Tianjin World Financial Center, No. 2 Dagubei Road, Heping District, Tianjin 300022, China  
**T:** +86 22 5830 7888  
天津市和平区大沽北路 2 号环球金融中心 41 层

Chamber of Commerce

**European Chamber**

**A:** 4108, Tianjin World Financial Center, 2 Dagubei Lu, Heping District  
**T:** +86 22 5830 7608  
**E:** tianjin@european-chamber.com.cn  
**W:** european-chamber.com.cn  
中国欧盟商会天津分会  
和平区大沽北路 2 号天津环球金融中心 4108 室

**American Chamber**

**A:** Room 2918, 29F, The Exchange Tower 2, 189 Nanjing Lu Heping District  
**T:** +86 22 2318 5075  
**F:** +86 22 2318 5074  
**W:** amchamchina.org  
中国美国商会天津分会  
和平区南京路 189 号津汇广场 2 座 2918 室

**German Chamber**

**A:** Room 4216, 41F, Tianjin World Financial Center, 2 Dagubei Road, Heping District, Tianjin  
**T:** +86 22 5830 7962  
**E:** tianjin@bj.china.ahk.de  
中国德国商会天津办事处  
和平区大沽北路 2 号 天津环球金融中心 41 层 4126 室

HEALTH

Hospitals



**Tianjin United Family Hospital**

**A:** No.22, Tianxiao Yuan Tianjiang Dao, Hexi District  
**T:** +86 22 5856 8500 (Reception)  
24 Hour Emergency:  
**T:** +86 22 5856 8555  
**W:** ufh.com.cn  
天津和睦家医院  
河西区潭江道天潇园 22 号

**Women's and Children's Specialized Health**

**A:** No.21,ShuiShangGongYuan East Road,Nankai District  
**T:** +86 22 5898 2012  
400 10000 16  
**W:** amcare.com.cn  
美中宜和医疗集团天津美中宜和妇儿医院  
南开区水上公园东路 21 号



**Raffles Medical Tianjin Clinic**

**A:** 1F Apartment Building, Sheraton Tianjin Hotel, Zi Jin Shan Road, He Xi District, Tianjin 300074  
**T:** +86 22 23520143  
河西区紫金山路喜来登饭店公寓楼一层·300074



**Tianjin Aizhihe Dentistry**

**A:** 5F, Tianhe City Shopping Center. No. 263, Heping Road. Heping District, Tianjin  
**T:** +86 188-2233-5566  
**O:** 10:00-18:00  
爱之和齿科  
天津市和平区和平路 263 号  
天河城购物中心 5F



**Arrail Dental Tianjin International Building Clinic**

**A:** Rm 302, Tianjin International Building, No. 75 Nanjing Rd, Heping District  
**T:** +86 22 2331 6219/32  
24Hr Emergency Line:  
150 0221 9613  
**W:** arrail-dental.com  
瑞尔齿科  
和平区南京路 75 号  
天津国际大厦 302 室



**DINING**

**TEDA & TANGGU**

**Chinese**



**Cai Feng Lou Chinese Restaurant**  
**A:** 1F, InterContinental Tianjin Yujiapu Hotel & Residences No.3360, Xinhua Road, Binhai New Area  
**T:** +86 22 5986 8888 ext. 6508  
 彩丰楼中餐厅  
 滨海新区新华路 3360 号天津于家堡洲际酒店及行政公寓 1 层

**Western**



**SINE WAVE**  
**A:** 1F, Powerlong, Yujiapu Financial District, Binhai New Area  
**T:** +86 22 2578 1878  
 鲸山上西餐吧  
 天津滨海新区于家堡宝龙广场 1F



**Pomodoro Italian Restaurant**  
**A:** 2-01 Binhai Sky Fashion Boulevard, (north side of Holiday Inn Express) Teda  
**T:** +86 22 5999 9191, 189 2021 8583  
 小番茄意大利餐厅 (天津开发区店)  
 天津滨海新区滨海时尚天街 2-01 (智选假日酒店北侧·近迪卡侬)



**Commune Dine**  
**A:** 1F, InterContinental Tianjin Yujiapu Hotel & Residences No.3360, Xinhua Road, Binhai New Area  
**T:** +86 22 5986 8888 ext. 6506  
 食社自助餐厅  
 滨海新区新华路 3360 号天津于家堡洲际酒店及行政公寓 1 层

**BARS**



**Sky Lounge**  
**A:** 12F, InterContinental Tianjin Yujiapu Hotel & Residences No.3360, Xinhua Road, Binhai New Area  
**T:** +86 22 5986 8888 ext. 6505  
 堡子里酒廊  
 滨海新区新华路 3360 号天津于家堡洲际酒店及行政公寓 12 层



**Happy Soho Live Music & Dance BAR**  
 (Opposite of Central Hotel)  
**A:** No. 16, Fortune Plaza, Third Avenue, TEDA  
**T:** +86 22 2532 2078  
 欢乐苏荷酒吧  
 开发区第三大街财富星座 16 号 (中心酒店对面)

**Education**



**Beijing International Bilingual School-Tianjin**  
**A:** No.226, Mingsheng Rd., Sino-Singapore Tianjin Eco-City, Tianjin  
**T:** +86 22 6713 9298 185 2609 1709  
 海嘉国际双语学校天津校区  
 天津市滨海新区中新生态城明盛路 226 号

**Tianjin Juilliard**  
 天津茱莉亚学院

**The Tianjin Juilliard School**  
**A:** No. 2946 Xinhua Road, Binhai New Area, Tianjin, 300450  
**O:** 9:00-17:00  
**T:** +86 22 2576 4890 (8829)  
**E:** dmissions.pc@tianjinjuilliard.edu.cn  
**W:** www.tianjinjuilliard.edu.cn  
 天津茱莉亚学院  
 中国天津滨海新区  
 天津市滨海新区新华路 2946 号



**TEDA GLOBAL ACADEMY**  
**A:** No. 72, 3<sup>rd</sup> Avenue, TEDA  
**T:** +86 22 6622 6158  
**E:** teda.admissions@tedaglobal.org  
**W:** www.tedaglobal.cn  
 天津经济技术开发区国际学校国际部  
 开发区第三大街 72 号



**Helen's Chinese School**  
 Helen's Chinese School 已经成立 10 年了。主营：对外汉语以及对外汉语教学法培训。我们的线下课程主要活动区域在天津市+滨海新区。线上课程不限国家与地域。目前最受欢迎的课程是：HSK 课程；少儿汉语；生存汉语。  
**A:** TEDA: 2-333, Dosen Residence, TEDA, TIANJIN  
**T:** 13752328856 Helen Lang  
**E:** helenchinese@aliyun.com  
 禾润教育  
 天津市滨海新区  
 奥运路德圣公馆 B333

**SERVICES**

**Hotels**

**HILTON TIANJIN ECO-CITY**  
**A:** No. 82 Dong Man Zhong Lu, Sino-Singapore Eco-City, Tianjin, P.R. China 300467  
**T:** +86 22 5999 8888  
**F:** +86 22 5999 8889  
**E:** tianjinecocity@hilton.com  
**W:** tianjinecocity.hilton.com  
 天津生态城世茂希尔顿酒店  
 天津市中新生态城动漫中路 82 号

**Holiday Inn Binhai Tianjin**  
**A:** No. 86, 1<sup>st</sup> Avenue, TEDA  
**T:** +86 22 6628 3388  
 天津滨海假日酒店  
 开发区第一大街 86 号

**InterContinental Tianjin Yujiapu Hotel & Residences**  
**A:** No.3360, Xinhua Road, Binhai New Area  
**T:** +86 22 5986 8888  
 天津于家堡洲际酒店及行政公寓  
 滨海新区新华路 3360 号

**Renaissance Tianjin TEDA Convention Centre Hotel**  
**A:** No. 29, 2<sup>nd</sup> Avenue, TEDA  
**T:** +86 22 6621 8888  
 天津万丽泰达酒店及会议中心  
 开发区第二大街 29 号

**Sheraton Tianjin Binhai Hotel**  
**A:** No. 50, 2<sup>nd</sup> Avenue, TEDA  
**T:** +86 22 6528 8888  
**F:** +86 22 6528 8899  
**W:** sheraton.com/tianjinbinhai  
 天津滨海喜来登酒店  
 开发区第二大街 50 号

**Apartments**

**Ascott TEDA MSD Tianjin**  
**A:** No.7 Xincheng West Road, Tianjin Economic-Technological Development Area, Tianjin  
**T:** +86 22 5999 7666  
 天津雅诗阁泰达 MSD 服务公寓  
 天津市经济技术开发区新城西路 7 号

**Ariva Tianjin Juchuan Hotel & Serviced Apartment**  
**A:** 33 Jizhi Dao, Xiang LuoWan, Binhai New Area, Tianjin 300452  
**T:** +86 22 6688 8888  
**W:** www.stayariva.com  
 天津巨川艾丽华酒店及服务公寓  
 天津市滨海新区响螺湾集智道 33 号

**Fraser Place**

**Fraser Place Binhai, Tianjin**  
**A:** Block 6/7, Quincy Park, No.21 Bei Hai East Road, TEDA, Tianjin, China  
**T:** +86 22 5988 1999  
**E:** reservations.binhai-tianjin@frasershospitality.com  
 天津招泰美伦辉盛坊国际公寓  
 天津市开发区北海东路 21 号昆西园 6/7 号楼

**HEALTH**

**TEDA, Tianjin – Marriott Executive Apartments**  
**A:** No. 29 2<sup>nd</sup> Avenue TEDA, Tianjin  
**T:** +86 22 6621 8888  
 天津泰达万豪行政公寓  
 天津经济技术开发区第二大街 29 号

**Office Space**



**TEDA MSD**  
**A:** 6F, TEDA MSD-C1, No.79, First Avenue, TEDA, Tianjin, China.  
**T:** 400 668 1066  
 泰达 MSD  
 天津经济技术开发区第一大街 79 号  
 泰达 MSD-C1 座 6 层

**THE EXECUTIVE CENTRE 德事商务中心 The Executive Centre**  
 德事商务中心

**Innovative Financial Building**  
 新金融大厦 18 层  
**A:** Level 18 | Innovative Financial Building, No. 3678 Xin Hua Road, Yu Jia Pu Financial District, Binhai New District, Tianjin 300450, China  
**T:** +86 22 6661 6888  
 天津自贸试验区 (中心商务区) 新华路 3678 号新金融大厦 18 层

**TEDA MSD C1 Tower**  
 泰达 MSD-C1 座 17 层  
**A:** Level 17 | TEDA MSD C1 Tower, No. 79 First Avenue, TEDA, Tianjin 300457, China  
**T:** +86 22 5985 9888  
 天津市经济技术开发区第一大街 79 号泰达 MSD C1 座 17 层

**Industry**



**Airtech Asia Ltd.**  
**A:** No.161, Anyuan Road, Chagugang County, Wuqing District, Tianjin  
**T:** +86 22 8862 9588  
 天津埃尔泰克复合材料有限公司  
 天津市武清区汊沽港镇安园道 161 号

**Shopping Mall**



**Shui On Veneto**  
**A:** Cross of Qianjin Street and Cuitong Road, Wuqing District, Tianjin, China (300meters away from Wuqing Station of Beijing-Tianjin Intercity Railway)  
**T:** +86 22 6018 0666  
 瑞安威尼斯  
 天津市武清区前进道与翠通路交汇处武清高铁站西侧 300 米

**TIANJIN-BEIJING AIRPORT Shuttle Bus ¥82 one way**

Tianjin - Beijing Airport Terminals 2/3		
05:00-18:00, 60 minutes intervals. Tianjin West Railway Station Long-distance Bus Station. No.2, Xiqing Road, Hongqiao District		
T: +86 22 2732 0688		
Beijing Airport Terminals 2/3 - Tianjin		
06:30-23:00, 60 minutes intervals. Exit on the 1st floor at Gate 15 / Terminal 2 and Gate 1 / Terminal 3. Tel: +86 10 6455 8718		

**TEDA-BEIJING AIRPORT Shuttle Bus ¥90 one way**

TEDA - Beijing Airport Terminals 2/3		
06:45, 08:45, 14:45, 17:15. 1st Avenue, TEDA. Tel: +86 22 6620 5188		
Beijing Airport Terminals 2/3 - TEDA		
10:30, 13:00, 18:30, 20:30. Exit on the 1st floor at Gate 15 / Terminal 2 and Gate 1 / Terminal 3. Tel: +86 10 6455 8718		

**BULLET (C) TRAIN**

TJ ~ BJS (¥54.5 - ¥174.5)			BJS ~ TJ (¥54.5 - ¥174.5)		
Train	Tianjin	Beijing	Train	Beijing	Tianjin
C2202	06:16	06:53	C2551	06:02	06:32
G44	22:33	23:06	C2667	22:41	23:13
TG ~ BJS (¥65.5 - ¥208)			BJS ~ TG (¥65.5 - ¥208)		
Train	Tanggu	Beijing	Train	Beijing	Tanggu
C2554	07:31	08:23	C2557	07:10	08:08
C2594	20:48	21:40	C2561	19:07	19:58
Wuqing ~ BJS (¥39 - ¥122)			BJS ~ Wuqing (¥39 - ¥122)		
Train	Wuqing	Beijing	Train	Beijing	Wuqing
C2202	06:31	06:53	C2201	06:22	06:43
C2226	18:25	18:47	C2219	18:37	18:58

**Tianjin Subway Map 2022**







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T: +86 22 27119871

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