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◀ IN DEPTH

Driverless technology companies entering fast lane with innovation

Cars are changing more quickly and drastically now than at any other point in their history. They have been constantly evolving since the first Model T rolled off the production line in 1908. Many changes to cars over time have had the dual effect of improving driver experience and forcing the industry and policymakers to balance innovation and safety.

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Collecting water from fog might be the answer to global water issues

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Dear Readers

The business world is obsessed with the metaverse, the concept of shared worlds driven by virtual products and digital experiences that are highly immersive and interactive. This month's issue is dedicated to the metaverse, which is a vision of how the next generation of the internet will operate.

At present, many Chinese executives believe that the metaverse will have a positive impact on their organizations, and 60% say the metaverse will bring with it ground-breaking changes.

Many companies are investing heavily in an immersive experience where users with wearable hardware discard reality for a purely virtual world, interacting via avatars. We already have virtual worlds featuring live concerts and online games where players spend hundreds of hours, but metaverse enthusiasts see a future where entire societies thrive in an online realm inhabited by avatars of real people.

In the economic arena, China has made a strong push to stabilize battered financial markets, promising to ease a regulatory crackdown, support property and technology companies and stimulate the economy. The government has promised to "actively introduce policies that benefit markets".

With regard to travel, the development of rural homestays has changed the trend of previous one-day tours into more in-depth trips, and tourists can have more immersive experiences and improve the quality of their visits. More and more travellers are looking for more authentic tourism experiences, and where better to experience true local culture than in people's homes? Homestays are becoming a popular form of hospitality and lodging where travellers sleep in the home of a local family and, for a time, become part of their lifestyle and daily work activities.

Short-distance travel, rural homestays, and clean and high-quality accommodations are gaining in popularity among Chinese travellers who seek a more relaxed, pleasant and experiential lifestyle that is close to nature, although the country's short-term rental and homestay service industry has been hit hard by COVID-19.

Most people who take rural trips are urbanites, and most of them come from Beijing, Shanghai, Guangzhou, Chengdu and Chongqing. These urbanites have driven the rapid growth of rural homestays.

You also can learn in our Tech article about a new and innovative idea that it is being used in mountainous areas on the Atlantic coast, South Africa, Peru, Chile, Sri Lanka, China and Mexico. This involves collecting fog and converting it to water. Since mountainous areas have ample fog, this technique, called fog harvesting, is a viable method of collecting water.

This month's issue provides more information about these issues and other items of interest.

Visit our website www.businesstianjin.com and follow us on our official WeChat account (ID: business_tianjin) for a complete list of articles and information.

Mary Smith

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TIANJIN NEWS

NEW VICE MAYOR OF TIANJIN: PBOC VICE GOVERNOR LIU GUIPING



Liu Guiping, deputy governor of the People's Bank of China, is being transferred to a leadership position in Tianjin. Liu will be vice mayor and a member of the Chinese Communist Party's Standing Committee of the Tianjin Municipal Committee.

CHINA DIGITAL CURRENCY EXPAND TO TIANJIN



The People's Bank of China (PBOC) said it will promote the research and development of the digital currency, dubbed e-CNY, and expand the scope of the pilot scheme, according to an online statement. Tianjin, Chongqing, Guangzhou, Fuzhou, Xiamen and six cities in the coastal Zhejiang province will be added to the existing 10 major "pilot" cities to test the use e-CNY, it said. The six cities in Zhejiang, which included the provincial capital of Hangzhou, will host the Asian Games in September.

TWO CARGO TRAINS COLLIDE IN TIANJIN



Two cargo trains collided Thursday on a railway that connects China's top coal producing regions and its key distribution port, potentially hindering transportation of the fuel at a time when coastal provinces are struggling with low supplies. The crash took place around 1 p.m. at a Tianjin railyard on the Datong-Qinhuangdao line. A video provided by the broadcaster showed a freight train hitting a parked locomotive, causing several wagons to derail and overturn. The moving train began sliding while parked at the station, according to the report.

FINANCE

CHINA'S FIRST-QUARTER GDP BEATS EXPECTATIONS TO GROW 4.8% YEAR-ON-YEAR



China's first-quarter GDP grew faster than expected despite the impact of Covid lockdowns in parts of the country in March, according to data released by the National Bureau of Statistics Monday. First-quarter GDP rose by 4.8%, topping expectations of a 4.4% increase from a year ago. Fixed asset investment for the first quarter rose by 9.3% from a year ago, topping expectations for 8.5% growth. Investment in manufacturing rose by 15.6% in the first quarter from a year ago, and infrastructure saw an 8.5% increase over the same period.

CHINA LAUNCHES PRIVATE PENSION SCHEME



China has said it will launch an official private pension scheme that aims to push more of the country's vast household savings into the financial market, as the government grapples with an ageing population. Employees in China will be able to contribute up to Rmb12,000 a year to private schemes, which the government said would be adjusted in line with "economic development" and would benefit from preferential tax treatment.

BYD ENDS FULL COMBUSTION ENGINE CARS TO FOCUS ON ELECTRIC, PLUG-IN HYBRIDS



China's largest electric vehicle (EV) maker BYD Co Ltd said that as of last month it stopped making combustion engine vehicles and now produces full electric and heavily electrified plug-in hybrid cars only. BYD will not completely stop making gasoline engines since smaller highly efficient engines will continue to be used in plug-in hybrid cars. BYD is among six carmakers - the others being Volvo, Ford, General Motors, Mercedes-Benz and Jaguar Land Rover - to have signed up to a global campaign to phase out combustion engine vehicles by 2040.

CHINA TO STEP UP EXPORT TAX REBATES TO STABILISE FOREIGN TRADE



China will step up export tax rebates to stabilise foreign trade, the State Taxation

Administration said in a notice on Friday. The circular outlines measures to improve export tax rebate policies and streamline procedures for applications. Efforts will be made to strengthen the linkage of export credit insurance and export tax rebate policies, and improve rebate policies for processing trade firms, according to the circular.

JD.COM'S RICHARD LIU BECOMES LATEST CHINA TECH BILLIONAIRE TO LEAVE CEO POST



JD.com, one of the world's largest e-commerce businesses, announced on Wednesday that company president Lei Xu had been appointed CEO, succeeding billionaire founder Richard Liu. Liu, worth \$12.8 billion on the Forbes Real-Time Billionaires List, will stay on as chairman of the Beijing-headquartered business. Xu has been with JD.com for over a decade. In his most recent role as president of JD.com, he was in charge of the operation and collaborative development of various business units, the statement said. He will join the company's board of directors as an executive director.

SEVERAL CHINESE BANKS DEFER MORTGAGE REPAYMENTS



China's five major state-owned banks have adopted a slew of measures to ease the residential mortgage burden for individual borrowers affected by the COVID-19 epidemic. These steps

include postponing mortgage repayments, extending repayment periods, as well as deferring principal and interest repayments on housing loans. Bank of China has urged its branches to better meet the demand from regions severely hit by the epidemic, such as Jilin and Shanghai, and pledged more financial support for the key groups, including those who have temporarily lost their income due to the epidemic.

TENCENT TO BLOCK CHINESE GAMERS' ACCESS TO FOREIGN GAMES



Tencent Holdings Ltd said it will shut down a service that allowed Chinese gamers to access overseas platforms to play unapproved foreign games, in a sign of tightening compliance as Chinese regulators more closely scrutinize the industry. The country's largest social and gaming firm said late on Wednesday it will on May 31 update its games speed booster mobile and desktop apps to new versions that would only support games operating in China. The new versions will no longer allow users to access foreign games.

LAW & POLICY

DRIVERS WHO SELLING POINTS WILL BE FINED UP TO 50,000 YUAN



The new measures, which came into effect on April 1, stipulate that drivers who ask others to accept punishments and points on their behalf will be fined up to three times the money they paid to a maximum of 50,000 yuan. They will also be punished for their original traffic violations. People who accept the responsibility for others' violations will be given a fine up to three times the money they received to a maximum of 50,000 yuan, along with a 12-point deduction on their license. Those who organize the buying and selling of points for profit will be given a fine up to 100,000 yuan.

NATIONAL STANDARDS FOR E-CIGARETTES TO BEGIN OCTOBER 1



China's market regulator on Tuesday (Apr 12) unveiled technical standards for e-cigarettes which will go into effect starting Oct 1. In a public document, the State Administration for Market Regulation listed the requirements for design, chemical compounds, and the mechanics for e-cigarettes that domestic manufacturers must meet in order to sell their products. Most notably, the rules state that e-cigarette companies may only sell their products through authorised channels, and also bar vendors from selling e-cigarette flavours other than tobacco.

CHINA IN THE WORLD

8 CITIES REDUCED QUARANTINE TIMES FOR OVERSEAS ARRIVALS

China is trying out reduced quarantine times for overseas arrivals and close contacts of positive cases in eight cities, in a potential easing of some of the



world's most stringent pandemic entry controls. Shanghai and Guangzhou are among the cities picked by the State Council for a trial that will see quarantine times reduced to 10 days from 14 days currently, plus seven days of health monitoring with regular testing as before. The other cities in the trial are Chengdu, Dalian, Suzhou, Ningbo, Xiamen and Qingdao.

HONG KONG TO ALLOW INTERNATIONAL TRAVELLERS FOR FIRST TIME SINCE 2020



Hong Kong will allow non residents to enter the financial hub from May for the first time in more than two years. Hong Kong's rules for airlines that carry infected COVID-19 patients will also be eased slightly, the government said in a statement on Friday, with the threshold for suspending incoming flights rising to five infected passengers from three currently. A ban on individual airline routes will be shortened to five days from 7. Foreign travellers will be subject to the same procedure as residents, the government said.

CHINA NATIONAL BOTANICAL GARDEN UNVEILED IN BEIJING

The National Botanical Garden was officially unveiled in Beijing on Monday. With a total area of nearly 600 hectares, the National Botanical Garden was expanded from the Institute of Botany of the Chinese Academy of Sciences



(South Garden) and the Beijing Botanical Garden (North Garden). Covering 80% of the families and 50% of the genres of China's plants, they make up to 10% of the world's plant species.

CHINESE COURT SENTENCES US CITIZEN TO DEATH FOR MURDER



A Chinese court sentenced U.S. citizen Shadeed Abdulmateen to death on Thursday for intentional homicide of a 21-year-old woman, his former girlfriend. In its verdict the Ningbo Intermediate People's Court in Zhejiang Province found that after a disagreement over the pair's break-up in June 2019 the defendant arranged to meet and talk with the victim, a Chinese woman surnamed Chen, at a bus stop in Ningbo before killing her with a "folding knife".

JAPAN SUSPENDS INTERNATIONAL PARCELS TO CHINA



Japan Post announced on April 21 that it will suspend international parcels sent to China from April 22. The company

is suspending EMS, air and sea parcels to China in response to Shanghai's lockdown measures. The restart time has not yet been determined. Regarding the reason for the suspension of acceptance, Japan Post stated that "sufficient capacity cannot be guaranteed due to the reduction of flights and ships to China."

RAILWAY TICKET PRE-SALE PERIOD SHORTENED TO 5 DAYS



Railway officials announced recently that the pre-sale period of railway tickets will be shortened to 5 days for travel from April 7 in an effort to prevent covid-19. Passengers can purchase railway tickets of consistent pre-sale periods via the official website 12306.cn, the 12306 railway mobile app and at railway stations.

PEOPLE IN BEIJING CAN NOW BOOK A TAXI WITH NO ONE AT THE WHEEL



For the first time in China, people will be able to get a taxi ride without anyone behind the wheel. Baidu and autonomous driving startup Pony.ai announced Thursday that they had won the country's first permits to provide robotaxi ride-hailing services to the public. The permits do not require an operator to sit in the driver's seat.

1.4%

Chinese stainless steel futures fell for a second straight session, following a big drop in the prices of its raw material nickel, while poor downstream consumption due to the COVID-19 situation also dented sentiment. The most-active stainless steel contract on Shanghai Futures Exchange, for June delivery, slipped 1.4% to 19,225 yuan a tonne, its lowest close since March 4. Earlier in the session, the contract dropped as much as 4%, to 18,720 yuan.



10

With majestic canvases pulsating with bold colours and drama, hyper-realistic portrayals that deceive the eye, and assemblages of painting and objects that recall Robert Rauschenberg's Combines, it is hard not to be captivated by US artist Trey Abdella's work. The 28-year-old artist is holding his first Asia museum solo, Almost Heaven, at the X Museum in Beijing. Curated by the museum's director, Huang Xufu, the show, running until July 17, brings together 10 large-scale works from the artist's recent practice.



2,100

Dozens of fragments of silk manuscripts have been restored in a recent inventory of cultural relics unearthed from a 2,100-year-old tomb, the provincial museum of Hunan in Central China has said. Some fragments with Chinese characters have been identified as coming from the third volume of the silk-transcribed copy of "Xingde," an ancient literary work.



36,000

China's first comprehensive museum focusing on archaeology opened to the public on in Xi'an, the capital of Shaanxi province. The Shaanxi Archaeology Museum was first proposed in 2009. After several years of preparation, construction began in 2019, and it was completed in December. The building has a total floor space of 36,000 square metres.



11 million YUAN

The latest instalment of Fantastic Beasts, a long-awaited epic for Harry Potter fans in China, has opened across the Chinese mainland in multiple screens, including IMAX, one week earlier than in North America. Although only 43% of all domestic cinemas are open due to pandemic situation, the new movie has grossed more than 11 million yuan, propelling it to be the latest highest-grosser on the country's box office charts.



19

A total of 19 college students participated in the 21st Chinese Bridge Chinese Proficiency Competition for Foreign College Students in Ireland on April 24. Among them, 8 participants successfully entered the final round. Each of them delivered a theme speech in Mandarin and performed either Chinese folk music or martial arts.



64 million YUAN

Two years after the war epic, Midway, Roland Emmerich, hailed as the "king of disaster movies", has returned to Chinese cinemas with his latest directorial effort, Moonfall, that sets the Earth on the brink of being destroyed again. Amid the current harsh environment, with less than half of the country's cinemas still operating the others having been closed due to the pandemic, the movie has so far grossed around 64 million yuan, according to the movie information live tracker, Beacon.



500 million YUAN

Southwest China's Tibet autonomous region poured more than 500 million yuan into tourism infrastructure projects to boost its tourism industry in 2021, said the regional tourism development department. The money went to the construction of 39 tourism infrastructure projects and public service facilities across the region, as well as significant cultural protection projects and tourism projects in border and rural areas.



418

China successfully sent five satellites into planned orbit from a platform in the East China Sea. The Jilin-1 Gaofen series satellites were launched by a Long March-11 carrier rocket and have successfully entered their planned orbit. They will provide commercial remote sensing data services for sectors including land resource survey, urban planning and disaster monitoring. The launch marked the 418th flight mission of the Long March series carrier rockets.





RURAL HOMESTAYS

become more popular as a travel lifestyle in China

More and more travellers are looking for more authentic tourism experiences, and where better to experience true local culture than in people's homes? Homestays are becoming a popular form of hospitality and lodging where travellers sleep in the home of a local family and, for a moment, become part of their lifestyle and daily work activities.

Short-distance travel, rural homestays, and clean and high-quality accommodations are gaining in popularity among Chinese travellers who seek a more relaxed, pleasant and experiential lifestyle that is close to nature, although the country's

short-term rental and homestay service industry has been hit hard by COVID-19.

Tujia, a domestic online homestay service provider, said there are nearly 800,000 domestic rural homestays available online nationwide. Most people who take rural trips are urbanites, and most of them come from Beijing, Shanghai, Guangzhou of Guangdong province, Chengdu of Sichuan province and Chongqing. These urbanites have driven the rapid growth of rural homestays.

Among those who booked rural homestays, more than 60% were born in the 1980s and 1990s. Fruit and

vegetable picking, agricultural research and learning, making handicrafts and tasting delicious foods are among the most popular activities for rural homestay tourists, according to Tujia.

In 2021, the booking volume of rural homestays in Beijing increased by 10% year-on-year, and revenue jumped 38% year-on-year. Now, the booking volume of rural homestays accounts for about 40% of the total short-term rentals, compared with 30% before the pandemic, according to Tujia.

Zhou Cheng, a 33-year-old rural homestay operator, has been involved in the business for more than a decade, and he witnessed the fast growth of

the domestic bed-and-breakfast sector.

In 2010, he started operating a rural homestay in Lijiang, Yunnan province, in southwest China, and his annual income was about 200,000 yuan, which is less than one-tenth of his current annual income. Now, he has transferred his business to Urumqi in Xinjiang Uygur autonomous region.

Besides accommodations, Zhou also provides catering services to customers, and that revenue accounts for 60% to 70% of the total revenue. Most travellers stay for two days and one night, and their total spending on catering and accommodation together is around 2,000 yuan per person. At his homestay business, there are 13 employees in total. All of them are local villagers, and their monthly income is around 4,000 yuan per person, Zhou said.

"Domestic consumers are increasingly pursuing tailored and personalized trips, and the COVID-19 pandemic has further fostered their habit of choosing bed-and-breakfast options. Unlike the early stages, rural homestays now provide better facilities and services, and more operators are willing to spend years to build their brand and reputation," Hu of Tujia said.

"Still, the proportion of homestays in the accommodation market in China is far less than the ratios in Europe and the United States, and the sector's growth potential is higher than hotels," Hu said.

In the long term, the potential room for future growth of rural tourism and rural homestays is remarkable, with the backing of favourable policies related to the revitalization of rural areas.

The development of rural homestays has changed the trend of previous one-day tours to suburbs into more in-depth trips, and tourists can have more immersive trip experiences and improve the quality of their trips, said Yang Hu, director of the Guangdong Province B&B Industry Association. **B**

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METaverse TO CREATE AND TRANSFORM BUSINESS LANDSCAPES

The metaverse is a vision of how the next generation of the internet will operate.

A metaverse will be an improved digital environment where it is possible to move seamlessly between work, play, shopping, socializing and creativity in one digital landscape.

Firms such as Meta (Facebook) are investing heavily in an immersive experience where users with wearable hardware discard reality for a purely virtual world, interacting via avatars—the basis for the 'Oasis' depicted in Ernest Cline's novel, Ready Player One.

The business world is obsessed with "the metaverse", the concept of shared worlds driven by virtual products and digital experiences that are highly immersive and interactive.

We already have virtual worlds featuring live concerts and online games where players spend hundreds of hours, but metaverse enthusiasts see a future where entire societies thrive in an online realm inhabited by avatars of real people.

According to a new report released by global consultancy, Accenture, the company surveyed more than 4,600 businesses and technology

leaders in 35 countries, including over 150 Chinese business executives. At present, nearly 90% of the interviewed Chinese executives believed that the metaverse will have a positive impact on their organizations, and 60% said the metaverse will bring with it ground-breaking changes.

Metaverse promises a future in which the virtual and physical worlds are inextricably interconnected. The concept of metaverse refers to a shared virtual environment or digital space created by technologies including virtual reality and augmented reality.

The report said the metaverse is changing the way the internet works, and forward-looking companies have started to create a space where the virtual and the physical converge and are transforming the industry with the help of the next generation of computing technologies. The advancement in digital technologies will change people's lives and business development in the next decade.

The metaverse is the synthesis of multiple technologies, including cloud computing, artificial intelligence, extended reality,

blockchain, edge computing and the internet of things, with a wide range of application scenarios, said Jia Jin, managing director of Accenture technology lead, Greater China, adding that it connects physical and virtual worlds and will create many new business models.

Enhancing computing capacities, quantum computing and biology-inspired computing are playing an important role in the construction of metaverse, Jia noted, while underlining the significance of protecting data security and personal privacy.

The report also noted that metaverse and Web3 (a new iteration of the Web, based on blockchain technology) are poised to reshape the internet, rather than it being a disparate collection of sites and apps. Looking ahead, the metaverse will lead to a persistent 3D environment in which moving from one "place" to another will be as simple as walking from one room to another.

As emerging technologies such as 5G, ambient computing, augmented reality and smart materials advance, digital environments will be increasingly woven into the fabric of our physical world. **B**



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CHEMICAL FIRMS COPING WITH LOCKDOWN

The chemicals industry touches nearly every product we all use on a daily basis. As the impact of COVID-19 ripples across the globe and economic activity grinds to a halt, we see that chemical companies find themselves operating in a fundamentally new reality. Demand for chemicals is experiencing severe shock across end-markets, global supply chains are disrupted, and stock prices of chemical companies have taken unprecedented hits.

With its escalating infections, city shutdowns, and nationwide transportation halts, the pandemic is starting to strain China's chemical industry.

Multinational chemical manufacturers, including BASF, Clariant and DuPont, said they have resumed or been making preparations for production resumption in China, with comprehensive plans and closed-loop management in place to ensure orderly production.

As a major market player in China's chemical industry, German chemicals giant, BASF, said it has been actively organizing transportation arrangement with logistics service providers for an early recovery from COVID-19.

According to BASF, most of its production sites in China currently remain operational. In Shanghai, where BASF Greater China is headquartered and its major production and R&D facilities are located, all the sites have been in closed-loop operation since late March, and most plants are also running, although at lower levels.

BASF has worked very hard to ensure business continuity during the pandemic outbreaks over the past



month. It maintains customer supply as much as the company can, especially for those raw materials needed in fighting the pandemic, it said.

AkzoNobel, a Dutch paint and coating company, said three of its sites in Shanghai have already resumed production after operations were paused for a couple of weeks, while Evonik, a world leader in specialty chemicals, said it

also entered into closed-loop production in Shanghai since late March, prior to the lockdown.

Leading French environmental solutions provider, Suez, said its water management and hazardous waste treatment services for industrial clients and sewage sludge disposal and soil remediation work in Shanghai have been under closed-loop operations so far.



US chemical company, DuPont, said all of its manufacturing facilities in China continue to operate under normal conditions or closed-loop management per local government requirements.

The chemical manufacturers said that while they also face challenges and uncertainties brought by the pandemic, including labour shortages, logistics disruptions and raw material shortfalls, the government has provided support to facilitate work resumption of key industries, and affected firms are also exploring every possibility to speed up work resumption, which is very important for the entire chemical value chain in China.

Swiss specialty chemical company, Clariant, said its site in Shanghai has received good support from local authorities during a monthlong lockdown in the city, while its contingency production plans also helped it keep the impact to a minimum.

While supply chain challenges still linger, many business executives expressed their long-term confidence in China, believing the COVID-19 pandemic will not affect their commitment to long-term development in the country.



British energy giant, BP, said it is committed to working with China and local partners to further develop its expertise and capability in large-scale shipbuilding and complex energy infrastructure.

The Ministry of Commerce and other authorities are working together to increase coordination and make full efforts to support operations and production resumption for enterprises, Gao Feng, spokesman for the ministry, said during an

online news briefing. Among the first white list of 666 enterprises to restart production released by Shanghai, 247 are foreign-funded companies, which operate in key industries such as integrated circuits, automobile manufacturing, equipment manufacturing and biomedicine, he said. **B**

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EFFORTS IN RECYCLING OF PLASTIC WASTE PAYING OFF

China's efforts in recycling plastic waste have made a significant contribution to the battle against climate change, reducing crude oil consumption and preventing millions of metric tons in carbon emissions, according to a report.

"Following decades of efforts, China has made marked progress in plastic pollution governance," said the report, which was jointly released by the Chinese Academy of Macroeconomic Research and the Chinese Academy of Social Sciences.

With preferential policies on investment, finance and taxation, China has established a market-based plastic recycling system with wide-ranging coverage, which accounts for 45% of the world's plastic recycling.

From 2011 to 2020, China recycled 170 million tons of plastic waste, said the report.

Plastics production consumes fossil fuels and is energy intensive, while recycling plastic waste brings environmental benefits, said Zhang

Deyuan from the Chinese Academy of Macroeconomic Research, the lead author of the report.

Apart from contaminating soil and water, plastic waste also degrades and releases carbon dioxide into the atmosphere, Zhang pointed out.

"Research by a number of institutes and scientists shows that plastics can also enter the food chain and be hazardous to people's health," he noted.

China's plastic recycling efforts over the past decade have helped reduce crude oil consumption by 510 million tons and prevented 61.2 million tons of carbon dioxide emissions, the report said. These moves also prevented 90 million tons of solid waste from being generated.

The research published in the report refutes claims by a number of international organizations and researchers that China, as the world's largest plastic consumer and producer, faces a serious plastic pollution problem.

"On the contrary, with the development of the circular economy in the country's plastic sector, China has made significant contributions to global plastic pollution governance," said Zhang.

The country now has the world's largest plastic recycling capacity. Its huge plastic recycling industry, which employs around 900,000 people, recycled 31% of plastic waste generated in the country in 2021, the report said. China's rate of plastic recycling was about 1.7 times the global average last year.

China also helped dispose of a large amount of plastic waste from other parts of the world, according to the report.

From 1992 to 2018, China recycled 106 million tons of imported plastic waste, much of it from the European Union and the United States, it said. This saved 318 million tons of crude oil from being exploited and consumed.

Source: *China Daily*



CHINESE REGULATORS URGE MORE PRUDENT IPO PRICING AFTER MARKET DEBUT FLOPS

Chinese regulators have urged underwriters to price initial public offerings (IPO) more reasonably after a third of more than 100 new listings so far this year fell on their trading debut.

The Shanghai Stock Exchange held a meeting with some underwriting banks, asking them to set IPO prices prudently, a spokesperson for the bourse said.

The stock exchange is also considering using the performance of newly listed shares to help assess a bank's underwriting quality, the spokesperson added.

Chinese IPOs are underwritten mostly by Chinese banks, as well as some joint ventures with foreign banks.

China introduced a US-style IPO system when it launched Shanghai's tech-focused Star Market three years ago, and later expanded the reform to Shenzhen's start-up board ChiNext.

Most of this year's new listings that fell below their IPO price are traded on Star and ChiNext, reflecting both bearish



investor sentiment and poor pricing skills of Chinese underwriters.

Among the worst performers this year, chipmaker Vanchip Tianjin Technology plunged 36% on its first day of trading, while electronics maker Rigol Technologies tumbled 35%.

Prior to the reform, nearly all IPOs were subject to a pricing cap imposed by regulators, a ceiling that tended to ensure new floats a hefty 44% jump on their debut, the maximum allowed.

Following the reform, Chinese bankers, like their Western peers, have to set IPO prices that reflect a company's growth potential and risks, as well

as the market mood and issuers' expectations.

Fang Xinghai, vice chairman of China's securities watchdog, said at the Boao Asia Forum recently that Chinese underwriters need to improve their IPO pricing skills, and introducing foreign competition would help.

The benchmark Shanghai Composite Index has tumbled nearly one-fifth this year. The Star Market has slumped 37%.

The Shanghai Stock Exchange's meeting was first reported by the official Shanghai Securities News.

Source: *The Business Times*



CHINA'S NEXT SPACE GOAL: TO TARGET A DANGEROUS ASTEROID AND NUDGE IT OFF COURSE

China plans to hit an asteroid and change its orbit in the next few years in another bold step for the nation's space programme, according to the China National Space Administration (CNSA).

CNSA vice administrator Wu Yanhua said the country had started building a defence system against near-Earth asteroids that risked hitting the planet.

He said China aimed to conduct close observation of a threatening asteroid and "implement an asteroid impact" to change its orbit "at the end of the 14th five-year plan (2021–2025), or 2025, 2026".

"We will start to improve land- and space-based monitoring and early warning systems for asteroids. To do this, we will need to compile a list and, crucially, analyse which are of the greatest risk," Wu told state broadcaster CCTV.

In addition, Wu said China would start implementing the fourth phase of its lunar exploration programme from this year, which includes sending the Chang'e 6, 7, and 8 probes to the moon and building an International Lunar Research Station, according to state news agency Xinhua.

Wu made the projections in an online event for China's Space Day, which marks the anniversary of the country's first satellite launch, the Dong Fang Hong 1, on April 24, 1970.

China has made space exploration a top priority in recent years. In its white paper in January, "China's Space Programme: A 2021 Perspective", the country noted it would implement a batch of major aerospace projects, including the fourth phase of its lunar exploration programme.

The projects also include near-Earth asteroid sampling, returning from Mars with samples, and exploring Jupiter over the next four years, according to Wu Weiren, chief designer of China's lunar exploration programme.

The latest lunar exploration programme was approved at the end of last year and it will be carried out in three steps, with the Chang'e 6, 7 and 8 missions lifting off before 2030.

Wu said the major goal would be to explore the lunar south pole as part of plans to build a basic structure for the lunar research station in the area.

The Chang'e 6 will seek to retrieve one to two kilograms of samples, including the first-ever rock samples, from the moon's south pole and return them to Earth.

The previous mission, Chang'e 5, returned with around 1.73kg (3.81lbs) of lunar material in late 2020.

The Chang'e 7 will land on the south pole of the moon to explore and look for traces of ice. The Chang'e 8, the phase finale, is expected to exploit the resources on the lunar south pole and establish the research station.

The Chang'e 6 and Chang'e 7 were expected to be launched around 2025, People's Daily reported.

Wu Weiren said China would also carry out feasibility studies on exploring the margins of the solar system and other major projects.

He said the lunar research station would also work as a transfer outpost for even deeper space exploration.

Source: South China Morning Post



THREE-YEAR ACTION PLAN STRIVES TO IMPROVE EMPLOYMENT FOR DISABLED

The central government has rolled out a three-year action plan centred on helping disabled people find jobs, pledging to ramp up vocational training measures and set up better job services.

The action plan (2022–24), which was unveiled by the General Office of the State Council in early May, pledged to create 1 million jobs for the disabled and improve their ability to find jobs and start businesses.

Key measures include creating jobs for the disabled at government departments, public institutions, state-owned enterprises and private businesses.

The plan is the latest effort to help the country's 85 million disabled achieve their full potential.

Yang Lixiong, a professor of social security studies for the disabled at the Renmin University of China, said it was still difficult for the disabled to find work, and most of the jobs they did find were low-paid and required little expertise.

Citing official figures showing that about 8.61 million had jobs in 2020, and

about 85% were either working in the agricultural sector, or on flexible payrolls in other sectors, Yang noted that the plan prioritizes the mobilization of assorted sectors in creating jobs for the disabled that offer decent, better-paid employment.

State-owned enterprises were urged to take the lead in helping the disabled find jobs, saying that companies that failed to assume their responsibilities must contribute to a fund that would benefit the disabled.

The plan highlighted the importance of private business, which accounts for 90% of companies in China and over 80% of urban employment, in job creation and added that the government will encourage leading e-commerce companies and courier services to increase recruitment of disabled workers.

Yang said that another highlight of the plan is that it offers targeted, detailed measures to help the disabled, including those living in rural areas as well as college graduates, enhance their professional skills.



Vocational schools will be encouraged to develop training programmes tailored for the disabled, and vocational colleges will receive incentives to expand enrolment.

Those eligible will be offered subsidies and allowances while receiving professional training.

Yang said that a human resources development system featuring special education, rehabilitation services, and professional training and services should be developed.

Professional training should continue even after the disabled find a job, and improved public awareness and stronger legislation are required to phase out job discrimination, he said.

Source: China Daily

A GUIDE TO PETRA, JORDAN

Petra, located in the southern valley of Jordan, is famous for its Rose City because of the colour of the stone carvings. It is an archaeological wonder, and was declared a UNESCO World Heritage Site.

How to reach there

Planning your trip to Jordan's most beautiful destinations, from the UNESCO World Heritage site of Petra to the capital city of Amman, is vital. Amman is about 230 kilometres (143 miles) north of Petra, and the journey there can take around 2 hrs. 50 min via Desert Hwy./Route 15/Route 45M. Amman has excellent connectivity with Petra via bus or taxi.

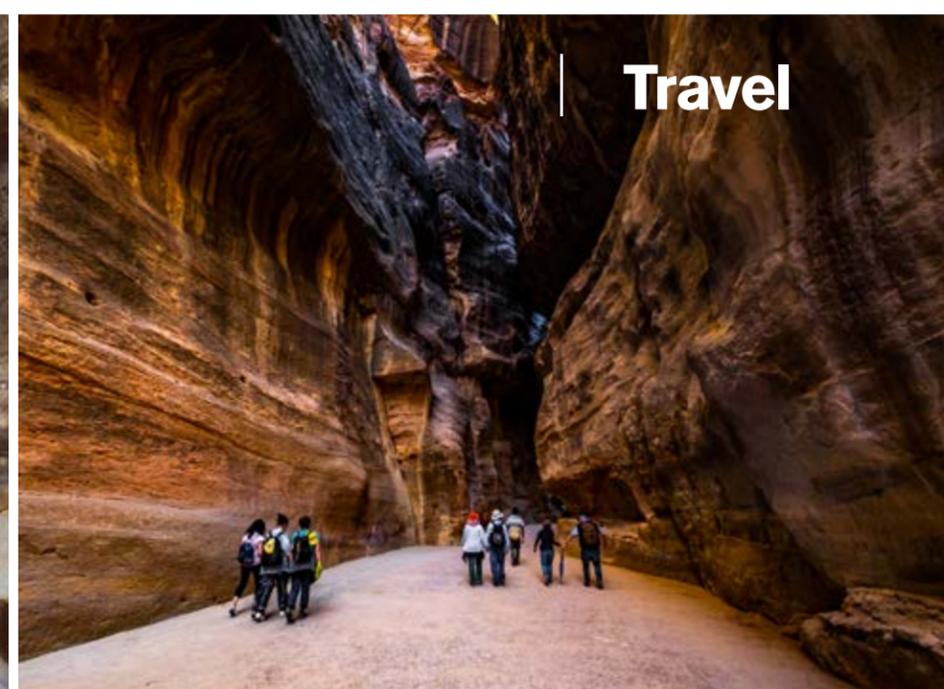
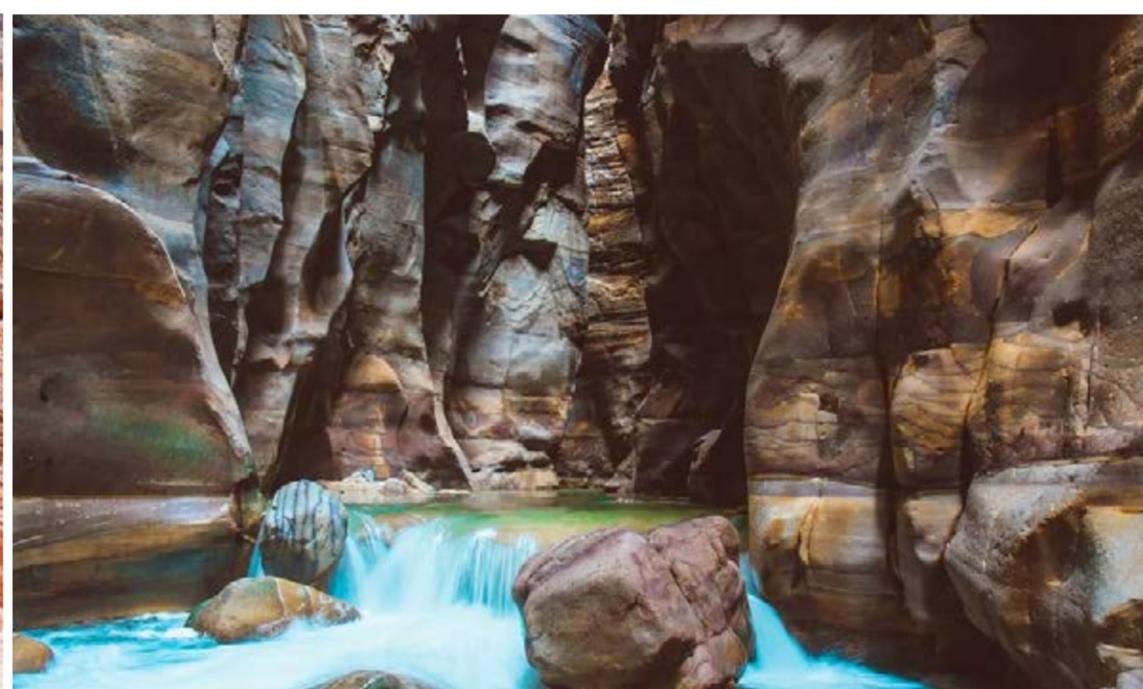
By air

Jordan has two international airports, Queen Alia Airport at Jizya, 30 kilometres from the capital Amman, and King Hussein International Airport at Aqaba. Petra's nearest airport is King Hussein International Airport. Some airlines, including Jordan Aviation, Nordwind Airlines, Amman Meridiana, Finnair, Jetairfly, etc., operate flights between Jordan and international destinations.

By road

The desert highway connects Petra with the country's capital, Amman. Buses leave for Petra throughout the day from Wahadat, in Amman. Buses also run from Mujamaa Janobi Station to Wadi Musa daily between 09.00 and 13.00, and return from Amman between 06.00 and 13.00.





You can take a taxi from either city to Petra. Shared-service taxis are white, and follow fixed routes. Other taxis are yellow. You can hail a private taxi on the street or at a hotel. The Jordanian Embassy website has information on car rental services.

Visa formalities

It is mandatory for visitors to Jordan to acquire a visa from the Jordanian diplomatic mission unless they are citizens of one of the 10 countries exempt from visa requirements, or one of the 120 nations that can obtain a visa on arrival.

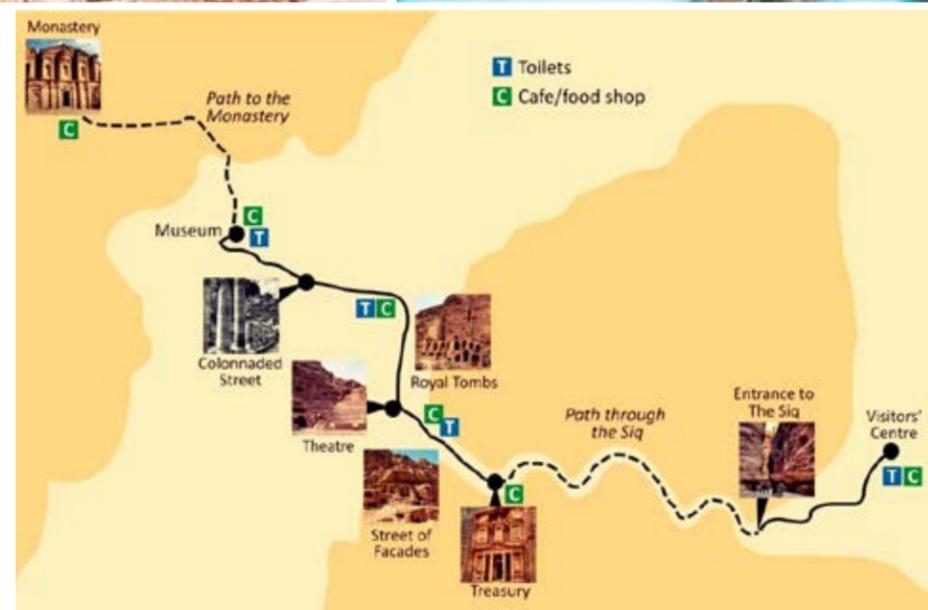
Visas on arrival are available at the Aqaba Airport and Queen Alia International Airport, as well as most border crossings, except King Hussein/Allenby Bridge. The visa on arrival costs JOD 40 (approximately US\$56) for a single entry.

It is not possible to obtain a visa for Jordan online; the only thing you can get is a Jordan Pass, which acts as a visa in that it waives the requirement for a visa on arrival.

IMPORTANT LOCATIONS TO VISIT IN PETRA, JORDAN

Petra

Petra's history, dating back to the 6th century BC, was the capital of the Nabataean kingdom. The Edomites



and Romans later invaded the city and contributed in developing the city. It continued to flourish as an important commercial centre until it succumbed to a massive earthquake. It was a notable place for art and culture. The most interesting architectural wonders you can find here are the rock-carved structures. They also once had excellent water management systems and dams, but these did not survive the earthquake. The archaeological site is spread over 2640 acres and was declared a UNESCO World Heritage site. It is one of the new seven wonders of the world, and one of the most impressive archaeological sites globally.

THE FOLLOWING IS A LIST OF ATTRACTIONS :

- The Siq
- The Treasury
- Street of Facades
- Jabel Madhbah High Place of Sacrifice
- Wadi Farusa Trail
- The Theatre
- The Royal Tombs
- Jabel Al-Khubtha Trail
- The Colonnaded Street & Central City Ruins
- Petra Churches and the Temple of Winged Lions
- Petra Great Temple
- Jabel Al-Habees Monuments
- The Monastery
- Little Petra, etc.

The Wadi Musa

The Wadi Musa is a beautiful, secluded valley located in Petra. It is in the city's northeast area, and it runs through a winding valley. Canyons like this are full of natural arches and cliffs surrounding the river. The valley is known for its lush green landscape and stunning rock formations. It is a popular tourist destination and is well known for its Byzantine and Islamic architecture, as well as for its high level of erosion and the beautiful colours found in its water. It is also a great place to hike, bike, or enjoy a peaceful picnic.

The Nabatean ruins of Madaba

The Nabatean ruins of Madaba, also known as Madaba Textile Market, are a collection of ancient structures and artefacts in Petra. These ruins include several small temples, a palace, and a textile market. The palace is notable for its elaborate decorations and murals, while the textile market is famous for its impressive collection of Nabatean textiles. The Nabatean ruins are one of the fascinating archaeological sites in the region and are an excellent example of the Nabatean culture.

The Siq and Wadi Araba

Petra's Siq and Wadi Araba are popular tourist sites. The canyon is also known as the "King's Highway" because the Nabataean kings used this route to travel between Petra and the trading posts in Jordan. Carved out by the Jordan River, it is one of the most spectacular canyons in the world. The

Wadi Araba is a natural ravine that runs through the centre of Petra. Both attractions are well worth visiting, and provide a stunning backdrop to all the other tourist attractions in the city.

Wadi Rum

Wadi Rum, located in the southern Jordan Valley, is a UNESCO World Heritage Site and is home to some of the world's most impressive and dramatic sandstone cliffs and landscapes. The area is also known for its authentic Bedouin culture and hospitality.

Wadi al-Hajj

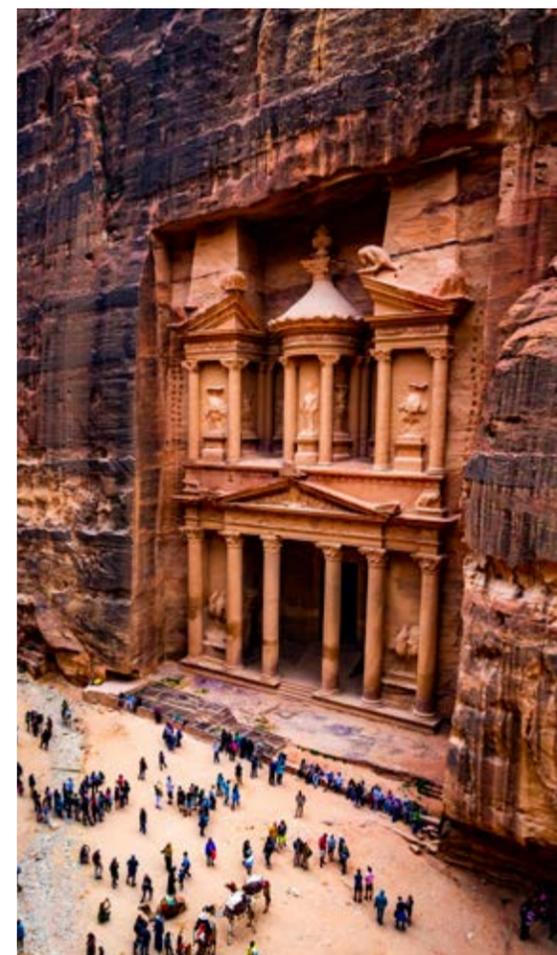
Wadi al-Hajj in Jordan is one of the most scenic and legendary waterfalls in the world. The falls are located in a winding canyon, on one of the seven sacred rivers of Islam. Visitors can enjoy a refreshing dip in the cool water while taking in the spectacular view of the falls. You can reach the waterfall from the Petra entrance after a short walk.

Monastery of Saint Catherine

The Monastery of Saint Catherine is a UNESCO World Heritage Site located in the city of Petra. It is one of the most significant Christian monuments in the Middle East and attracts millions of tourists every year. Emperor Constantine built it in the 4th century, and it is famous for its intricate mosaic art, frescoes, and carved stone.

Conclusion

As you can see, Petra is packed with things to do and see that would be sure to please even the most demanding traveller, from its historical sites to its stunning natural scenery. And don't forget to enjoy some delicious Jordanian cuisine while you're there! **B**



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CHINA'S INDUSTRIAL FIRMS SEE PROFITS RISE 8.5% YEAR-ON-YEAR

Profits at China's industrial firms rose 8.5% year-on-year in the first quarter of the year, the National Bureau of Statistics said, pointing to a steady start for the industrial economy to the year.

For January–March, the industrial firm's profits growth rate was 3.8% lower than that in the fourth quarter of 2021, according to the NBS.

Industrial firms' profits reached 1.96 trillion yuan in the first three months, the NBS data showed, and the pace of profit growth quickened from a 5.0% gain reported in the first two months.

Zhu Hong, a senior statistician at the NBS, attributed the growth to the

government's effective measures to cut taxes and fees and ease pressures on enterprise in the first quarter.

The NBS data showed the first-quarter industrial profit growth was mainly aided by profits registered by mining firms from rising commodity prices.

During the January–March period, profits at mining firms grew by 1.48 times. Profits earned by manufacturing dipped 2.1% in the first quarter, and the profit registered by power, heat, gas, water production and the supply firms dived 30.3%.

However, Zhu warned that industrial firms are facing multiple challenges



from the resurgent domestic COVID-19 cases and intensifying imported inflationary pressures, saying more efforts should be made to ensure stable prices and supplies as well as smooth logistics services.

Source: China Daily

CHINESE DRONE MAKER DJI SUSPENDS OPERATIONS IN RUSSIA, UKRAINE AMID CONTROVERSY OVER USE OF ITS PRODUCTS IN BATTLE

Chinese drone maker, DJI Technology Co., said it will temporarily suspend all business activities in Russia and Ukraine, becoming the first Chinese technology company to halt Russian business activities since the Ukraine war began in late February.

The Shenzhen-based company said in a short statement on its website that the decision was made after an internal assessment of "compliance requirements in various jurisdictions".

The world's leading drone manufacturer has found itself under intense scrutiny after accusations emerged that its products were being used by the Russian military in Ukraine. DJI issued a statement a week earlier that its products were designed to "improve people's lives" and "for civilian use" only.

Few Chinese tech companies have publicly announced a suspension of business with Russia, partly because the Chinese government holds an official stance that opposes sanctions against Moscow.

Chinese telecoms giant Huawei Technologies Co, already under US sanctions, is preparing a retreat from Russia by furloughing some local employees and suspending new contracts with operators, according to a report by Forbes Russia. Huawei has not confirmed the report. At a press conference last month, the then rotating chairman of Huawei, Guo Ping, said the company was assessing its policies in different markets.

Unlike their Western counterparts, Chinese firms have largely remained quiet over questions about their Russian operations. A few days after Russia launched the invasion, Chinese ride-hailing giant, Didi Global, back-pedalled an earlier decision to cease operations in the country.

In early March, Ukraine's Vice-Prime Minister, Mykhailo Federov, said that Russian troops were "using DJI products to navigate their missiles", to which DJI responded by saying it



cannot deactivate individual drones. In late March, DJI denied accusations that it was aiding Russian forces after MediaMarkt, Europe's largest retailer for consumer electronics, pulled the companies' products from its shelves.

It is not the first time DJI has faced political turmoil. Once dominant in the global civilian drone market with a 70% market share, its slice of the pie decreased to 54% in 2021, according to DroneAnalyst, partially due to US sanctions for alleged involvement in the surveillance of Muslim minorities in Xinjiang.

Source – South China Morning Post

CHINESE DUOWEI NEWS CLOSES ITS DOORS

Chinese portal Duowei News, known for its Chinese political news and commentary, has closed its website and mobile app, ending 23 years of operation.

All content has been taken down from the website, which was originally named Chinese News Net. The portal notice said the closure was caused by an adjustment to company operations.

Its owner, Hong Kong-listed company, Nan Hai Corporation, also owns the HK01 news portal. The owner of the group, Yu Pun-hoi, once owned the Hong Kong newspaper Ming Pao.

The group issued a profit warning in March, saying it lost HK\$3 billion to HK\$3.4 billion last year because of the weak property market and the protracted pandemic. The group principally engaged in property development, culture and media services.

Duowei News has around 50 to 60 staff members, with most reportedly losing their jobs because of the closure, although the company has not confirmed job losses.

Duowei was founded in 1999 by He Pin, a Chinese media veteran who immigrated to the



US. It was once an important platform for Chinese political news and commentary especially related to elite politics, before it was bought by Yu in 2009.

After he bought Duowei, Yu moved the headquarters from New York to Beijing.

Source: South China Morning Post

CHINA'S MARKET ENTITIES INCREASE BY 100 MILLION IN DECADE

The number of market entities increased by 100 million in China over the past ten years, thanks to the country's improvements in intellectual property rights (IPR) protection and the business environment, said a new report.

The total number of China's market entities of all types topped 150 million in 2021, with around 70% of them running actively, said the report, released by the Office of the National Leading Group on the Fight against IPR Infringement and Counterfeiting.

Private firms contributed to more than 55% of the country's total tax revenues and over 60% of the total investments.

"The Chinese government has always treated fairly and provided equal protection for the IPR of businesses at home or abroad," said Gan Lin, irector of the office of the leading group and Deputy Head of the State Administration for Market Regulation.



Gan added that China's multiple proactive measures for IPR protection created a favourable environment for the development of overseas investors.

Official data showed the number of invention patents

granted to applicants from overseas reached 110,000 last year, up 23% from the previous year. Over 194,000 trademarks were registered by foreign applicants, up 5.2% year-on-year.

Source: China Daily

CHINA LOCKDOWNS RAISE EARNINGS RISK FOR CHIP FIRMS, AUTOMAKERS, INDUSTRIALS

Industrial firms, including GE, chipmakers such as SK Hynix and automaker Mercedes Benz, warned that China's strict COVID-19 curbs were intensifying supply chain disruptions and raising uncertainty about the business outlook.

China's "zero COVID" policy to combat the Omicron variant has brought fresh lockdowns, forcing factories to shut and worsening a global supply chain logjam. More than 40 cities are in total or partial lockdown, and Shanghai, the country's financial capital, has been isolated for over a month.

That has cast a pall over financial markets worried about a hit to the world economy that is only just recovering from the pandemic-led slump.

And even as companies scramble

to keep up with soaring costs of everything from labour to raw materials, the Russian invasion of Ukraine and related Western sanctions have driven up energy prices.

3M, an American industrial giant, said that China's lockdowns and the Ukraine crisis had slowed sales in April.

The company, already struggling with chip shortages and high raw materials costs, said it would continue to increase prices to offset inflationary and supply chain costs, echoing GE that said it has already raised prices and invoked price escalation clauses in its service contracts.

Japanese beermaker Asahi Group's shares surged after it announced its first price hike for canned beer in 14 years to cope with rising costs for materials, energy and transportation.

South Korea's SK Hynix, the world's second-biggest memory chipmaker, said China's lockdown was the biggest risk driving weaker chip demand in mobile and personal computers, though it expected a pick up in the second half as manufacturers launched new products launches before the year-end shopping season.

Its compatriot, LG Display, said supply chain problems caused by the lockdowns affected panel production and shipments in the March quarter.

Some European companies including EssilorLuxottica, which makes eyewear for Prada and Versace, and Gucci owner, Kering, have also warned that China's lockdowns were hurting sales.

Source – The Business Times

SINOPEC Q1 NET INCOME JUMPS 25% ON HIGH OIL PRICES

China Petroleum & Chemical Corp reported 25% surge in net income for the first quarter of 2022, a level last seen in the third quarter of 2020, thanks to elevated crude oil prices but weakening fuel demand as tight COVID controls weighed.

Asia's top oil refiner, also known as Sinopec, posted 22.61 billion yuan net profit under Chinese accounting standards, versus 17.93 billion yuan a year earlier, according to a filing to the Shanghai Stock Exchange.

Refinery throughput edged up 2.7% from a year ago to 64.19 million tonnes, or about 5.21 million barrels per day, with the growth capped by sliding fuel demand starting in March as authorities resumed lockdown to contain a flare-up of coronavirus.

"Global oil prices rose sharply in the first quarter, with average spot prices of Platts Brent crude oil up 66.3% at \$101.2



per barrel, while domestic demand for natural gas, refined oil and chemical products maintained growth," Sinopec said in the filing.

Sales of total refined products dipped 1.8% during January–March, versus a 6.8% growth during the same period a year ago.

Its crude oil production reached 69.07 million barrels, up 1% on the year, while natural gas output expanded 7.7% to

313.94 billion cubic feet.

Capital spending was 25.38 billion yuan, versus 23 billion yuan a year earlier, with the increases mainly channelled to the exploration and development sector. The company has vowed to make more discoveries in geologically difficult shale oil and gas resources.

Source: The Business Times

MNCHIP REINVESTS AND EXPANDS CAPACITY IN TEDA



Recently, Tianjin Mnchip Technologies Co., Ltd. reinvested, expanded capacity and built a new plant, intelligent device production line, microfluidic reagent disk production line and comprehensive supporting facilities, with a total investment of 50 million yuan. The 8,000- square-meter new plant is located in the Zhonghai Industrial Park, which is scheduled to be in use by the end of this year. After the new production line is put into operation, Mnchip will become the provider of whole system in vitro diagnosis products, and its production line covers the four major trends of in vitro diagnosis.

Founded in TEDA in 2010, Mnchip is China's first medical device manufacturer based on microfluidic chip technology. The company developed and produced the world's smallest automatic biochemical analyzer. And its automatic biochemical analyzer produced in 2021 is successfully applied to the biochemical detection task of on-orbit astronauts. So far, the company exports products and service to near 100 countries and regions.

HUAV OPERATES ITS NORTH CHINA HQ IN TEDA



On April 19, the North China headquarters and phase-II plant of Huav Tuoyuan (Tianjin) Technology Co., Ltd. were put into use, which will further meet the needs of its chip production and package, and speed up the development of information technology application innovation in TEDA. Located in TEDA Intelligent Unmanned Equipment Industrial Park, the plant of Huav will make the intelligent and modern North China headquarters base play the role

of Huav North China Headquarters. Domestically advanced package workshop, reliable laboratory and high-precision calibration workshop were built in phase-II plant, which will comprehensively speed up the mass production of high-precision MEMS inertial navigation products.

Established in TEDA in 2020, Huav is a hard & core technology company that designs the world leading high-precision MEMS inertial chip. The phase-I plant was put into production in January 2021, mainly producing inertial navigation products and gyro chips. The company owns more than 30 product patents and 50 independent intellectual property rights. Its Linglong-series gyro chip is the first ever high-precision MEMS gyro chip independently designed and developed by China.

TIANJIN FTZ RELEASES CHINA'S 1ST PROVINCIAL ESG EVALUATION GUIDELINES



Recently, the administrative committee of China (Tianjin) Pilot Free Trade Zone released China's first provincial ESG evaluation guidelines, the Trial Guidelines for the ESG Evaluation of Enterprises. The Guidelines provides enterprises with a comprehensive evaluation index system meeting the international standards and Chinese reality. It improves enterprises' financing ability and brand value, promotes their management in environment, society and governance, and optimizes their financing condition under the new format.

ESG is the acronym for Environmental, Social and Governance. It is an investment concept and enterprise evaluation standard that focuses on corporate environmental and social governance performance rather than financial performance. The Guidelines meets the new needs of enterprises from the two dimensions, namely information disclosure and financing promotion. In terms of information disclosure, it encourages all kinds of enterprises to carry out ESG information disclosure and evaluation to better meet the guidance or mandatory information disclosure requirements such as listing and external supervision; in terms of promoting financing, it helps enterprises to improve their financing ability through primary market financing, inclusion of ESG fund investment

targets in the capital market, and inclusion of "green finance" service scope of financial institutions.

Taking the Guidelines as technical guidance, Tianjin Enterprise ESG Evaluation Report and Tianjin ESG30 Index as research results, the results will provide support and services for enterprises to better carry out ESG special work.

TEDA-MADE ROCKET HEART TO HIT THE MARKET IN 2022



"Rocket Heart" HeartCon, the first artificial heart developed by the TEDA-based Rocketheart Technology Co., Ltd. passed on-site inspection recently. The artificial heart started clinic trials on September 15th, 2020, and received acceptance for product registration in December 2021. It is scheduled to go on sale this year.

As a 3rd-generation implantable magnetic-hydrodynamic suspension ventricular assist device, HeartCon is a domestic originally-developed product with independent intellectual property rights with its main indicators meeting the world's advanced standard. Tianjin TEDA International Cardiovascular Hospital, the main researcher of HeartCon, works with a dozen of domestically leading hospitals in cardiac surgery or heart diseases, creates China's first clinic trial cooperation of multi-center artificial heart, and becomes the first unit applying the clinic trial in China.

Rocketheart Technology Co., Ltd., jointly founded by TEDA State-owned Assets Management Company, China Academy of Launch Vehicle Technology and Beijing Research Institute of Precision Electromechanical Controlling Devices, is committed to being the supplier of lifecycle heart failure products. With the unswerving adherence to the path of civil-military integration and combination of medicine and engineering, the company sets up Tianjin Artificial Heart Key Laboratory of Enterprise, Tsinghua University-Rocketheart Artificial Heart Joint

Laboratory, Academician Workstation, etc. So far, its second artificial heart with half the weight of HeartCon, is able to provide treatment solution for more patients with heart failure.

11 KEY PROJECTS TO INVEST AROUND 10BLN YUAN IN TEDA



On the morning of April 9th, the Tianjin Binhai New Area held a signing ceremony on cloud of key projects. Eighty two projects settled down in the Area, with a total investment of around 58 billion yuan. Among them, eleven projects joined in TEDA (10 domestic-funded projects and 1 foreign-funded project). Covering fields of auto and high-end equipments, new-gen information technology, medicine and health, new chemical materials, and modern services, these projects with nearly 10 billion yuan investment, will promote the upgrading of regional industries and high-quality development of clusters.

In the event, the Nangang LNG cold energy utilization project of Sunpower (Tianjin) New Energy Technology Co., Ltd. will build cold energy air separation, inter-supply between cold and heat energy and cold energy power generation projects, as well as the demonstration project of world-class cascade comprehensive utilization of cold energy.

In the biomedical sector, hua rong ke chuang r&d production base project will build research, development, production and sales bases in various fields such as surgery, orthopedics, medicine and the United States in TEDA. Novo Nordisk will build new production lines and storage projects in the region to meet more market demand.

In addition, a number of scientific, financial and pharmaceutical enterprises, including Hangzhou Yuxin Intelligent Technology, ERA Co., Ltd., Hillhouse Capital and Kechuang Medical Group, have also launched various projects in TEDA.

TEDA-BASED VANCHIP GOES ON STAR MARKET

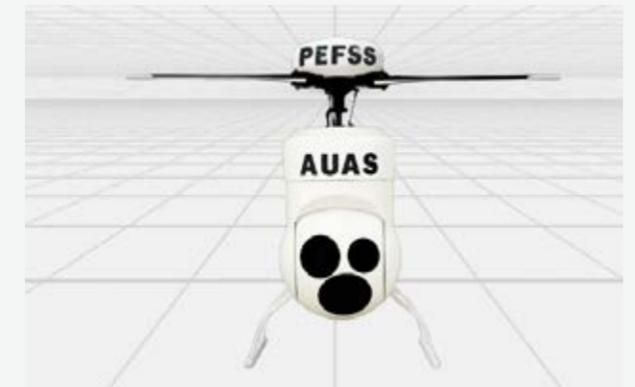


On April 12th, Vanchip (Tianjin) Technology Co., Ltd. went public on the Science and Technology Innovation Board (STAR Market), being the first listed enterprise of TEDA in 2022. The company plans to launch an initial public offering of 2.487 billion yuan, and the fund will be used for projects such as the production and testing of integrated circuits (IC) as well as the construction of R&D center.



As an IC leader growing up in TEDA, Vanchip specializes in RF front-end segment. The chips developed by itself have covered various communication frequency bands from 2G to 5G, and ten key technologies such as balanced power amplification technology have been formed through independent research and development. At present, the RF front-end products developed and produced by the company have been widely used in smart phones and wearable devices of the world's leading mobile phone brands such as Xiaomi, OPPO, vivo and Honor. According to "China Chip Design Enterprise List 2020" published by CB Insights, the shipment of 4G RF power amplifier products of Vanchip ranks first among domestic manufacturers.

TEDA-BASED UAV MAKER MAKES A MAJOR MOVE



Recently, Tianjin Phoenix Intelligent Technology Co., Ltd., a company from TEDA, completed its series-A funding of 20 million yuan. The fund will be used for the construction of dual-rotor unmanned helicopter and high speed unmanned helicopter production lines as well as the upgrading of heavy-load UAV products.

The company settled down in Binhai-Zhongguancun Science and Technology Park in October 2021. Its investor, Tianjin Aurora Unmanned Aerial Systems Technology Co., Ltd., is a special UAV systems maker aiming at the world leading industrial and military unmanned helicopters. With the heavy-load unmanned helicopter as the base, Phoenix Intelligent Technology Company integrates AI into industrial application in depth, providing strong technological support for the replication UAV in a wide range of areas. Possessing 137 independent patents, the company has conducted all-around cooperation with Honeywell Aviation Group, State Administration of Science, Technology and Industry for National Defence, and Beijing Research Institute of Uranium Geology in UAV area.

CANSINO BIO'S COVID-19 MRNA VACCINE RECEIVES APPROVAL OF CLINICAL TRIAL APPLICATION



Recently, the National Medical Products Administration of China granted approval for the clinical trial application of COVID-19 mRNA vaccine researched by CanSino Biologics, marking the company made a new breakthrough in fighting against COVID-19 pandemic. CanSinoBio's

COVID-19 mRNA vaccine is a new generation vaccine with better protection on the existing variants. Pre-clinical trial results showed the vaccine can induce high-titer neutralizing antibody levels against multiple variants of concern identified by the World Health Organization, with stronger broad spectrum.

As a high-tech biological product enterprise growing in TEDA, CanSinoBIO is specializing in the R&D and production of high-quality vaccines for human use. It possesses five integrated technologies platform including viral vector-based technology, synthetic vaccine technology, protein structure design and recombinant technology, mRNA technology, as well as formulation and delivery technology. It has established a robust pipeline of 17 innovative vaccines preventing 12 diseases, including the novel coronavirus vaccine, Ebola virus vaccine, tuberculosis vaccine, meningococcal conjugate vaccine, etc.

TEDA'S ENTREPRENEURSHIP AND INNOVATION BASE WINS NATIONAL AWARD AGAIN



Recently, the General Office of National Development and Reform Commission and the General Office of China Association for Science and Technology jointly issued the assessment of demonstration bases for mass entrepreneurship and innovation in 2021. The Demonstration Base for Entrepreneurship and Innovation in TEDA was announced excellent level. This is another national award the Base announced after the inspection an encouragement from the State Council in 2019.

In 2021, TEDA focused on biomedicine, electronics and information technology, environmental protection and other fields, explored the model of "leading enterprises + incubation carrier + platform construction", and strongly supported the leading companies such as Asymchem, 712 Communication, National Supercomputer Center in Tianjin and Binhai Environmental Innovation Institute to construct 4 key projects of integration and innovation between large, medium-sized and small enterprises with scientific research platforms, bolstering 1,097 SMEs

in R&D and supply chain. In 2021, 91,000 new jobs were registered in the whole region, and the number of effective employment reached 402,000. Among the new employees, 28.77% were those with college degree or above, and the quality of employment was steadily improved.

TEDA SUPPORTS ENTERPRISES IN EXPANDING TALENT POOL



Recently, 5 enterprises from TEDA such as iKINGTEC were approved to build internship bases. TEDA has approved 193 internship bases of Tianjin. These bases not only help enterprise reserve talent and get internship subsidy, but also provide the opportunity of practice for the youth. In 2021, TEDA provided 2,325 internship posts and subsidy of 11.6775 million yuan.

TEDA has long promoted the enterprises with industrial representativeness and social influence to participate in young people internship plan. The internship bases cover biomedicine, auto manufacturing, intelligent manufacturing, new chemical materials and education. TEDA has also promoted cooperation between these bases and vocational colleges in Tianjin. Meanwhile, policy package was customized for enterprises, which helps them enjoy subsidy.



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DRIVERLESS TECHNOLOGY COMPANIES ENTERING FAST LANE WITH INNOVATION

Cars are changing more quickly and drastically now than at any other point in their history. They have been constantly evolving since the first Model T rolled off the production line in 1908.

Many changes to cars over time have had the dual effect of improving driver experience and forcing the industry and policymakers to balance innovation and safety.

Chinese companies have entered the fast lane in driverless technology commercialization in wider industrial areas as several autonomous driving firms have gained momentum in robo-sweepers, robo-trucks, robo-forklifts and other autonomous

applications.

WeRide, the country's leading autonomous driving company, announced that its robo-sweepers, with over 50 such vehicles in its first batch, will start open road tests in South China's Guangdong province this May.

Featuring a cockpit-free design without a steering wheel, accelerator or brake pedals, the robo-sweeper was codeveloped with vehicle maker Yutong Group and is able to offer urban environmental services including street sweeping, watering as well as disinfection spraying amid COVID-19.

Based on its level-4 autonomous driving technology, the Guangzhou, Guangdong-based company has developed a series of innovative products including autonomous taxis, buses and vans. It is also among the first batch of tech companies to hold driverless test permits in both China and the United States.

For some time now, domestic tech companies have been gearing up driverless technologies in minibuses, trucks, forklifts and aerial vehicles, which are expected to enjoy huge commercial value in a variety of businesses, such as industrial logistics, express delivery, food take-away, fresh produce ordering and retail pharmaceuticals.

According to a report from global management consulting firm, McKinsey & Co, China will become the world's largest market for autonomous vehicles, with revenue from sales of such new vehicles and mobility services expected to exceed

\$500 billion by 2030. The report predicted that by 2030, total sales of autonomous vehicles are expected to hit \$230 billion and autonomous vehicle-based services will generate around \$260 billion.

Beijing J-Elephant Technology Co Ltd, a driverless forklift manufacturer, announced that it has raised nearly 100 million yuan in its Angel and pre-A rounds of fundraising.

The Angel round was jointly invested in by renowned investors including Sequoia Capital China, Legend Star and Sinovation Ventures. The pre-A round attracted other investors, including Linear Capital and Challenjers Venture.

According to Lyu Feng, CEO of J-Elephant Technology, compared with traditional human-operated forklifts, the company's autonomous forklifts are safer and more flexible.

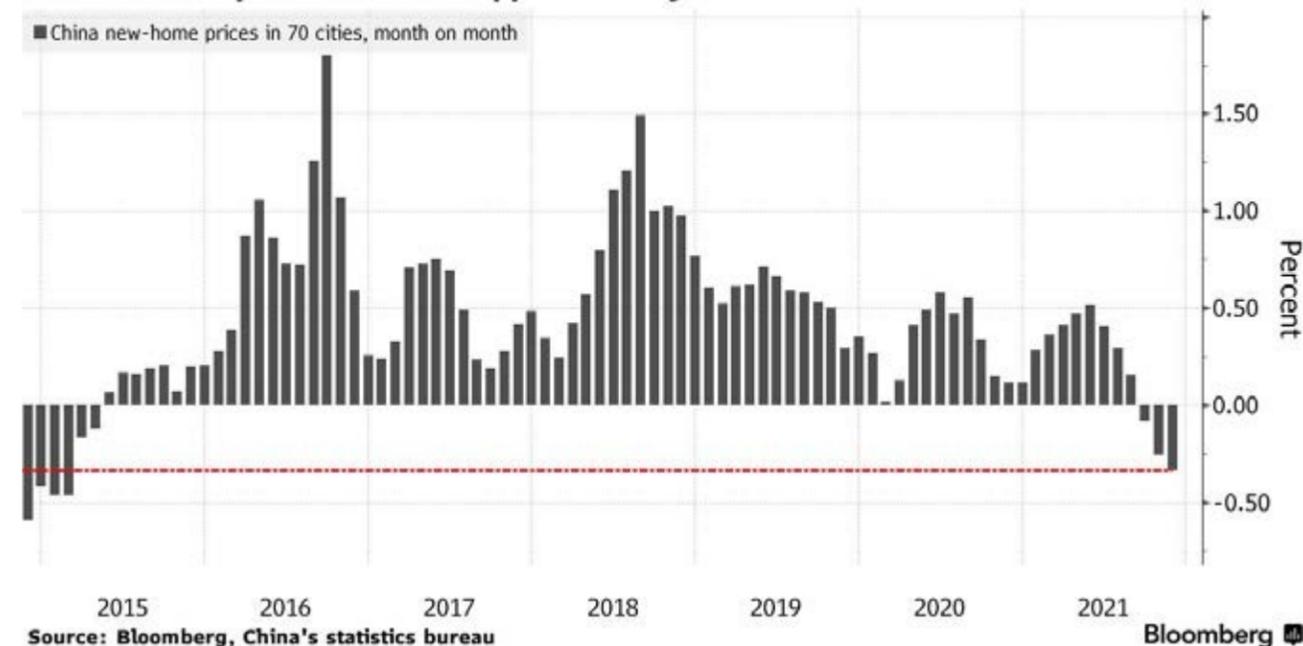
According to the company, the new round of funds will be used for research and development, talent recruitment, mass production capacity building and business expansion.

Kai-Fu Lee, Chairman and CEO of Sinovation Ventures, said: "Smart logistics transportation not only affects people's daily lives but also plays an indispensable role in industrial automation. China is pushing the world toward intelligent manufacturing, and the next generation of intelligent logistics will be a core resource for China to drive domestic economic circulation and the next global industrial revolution." **B**



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Deepening Downturn China's home prices hadn't dropped in six years



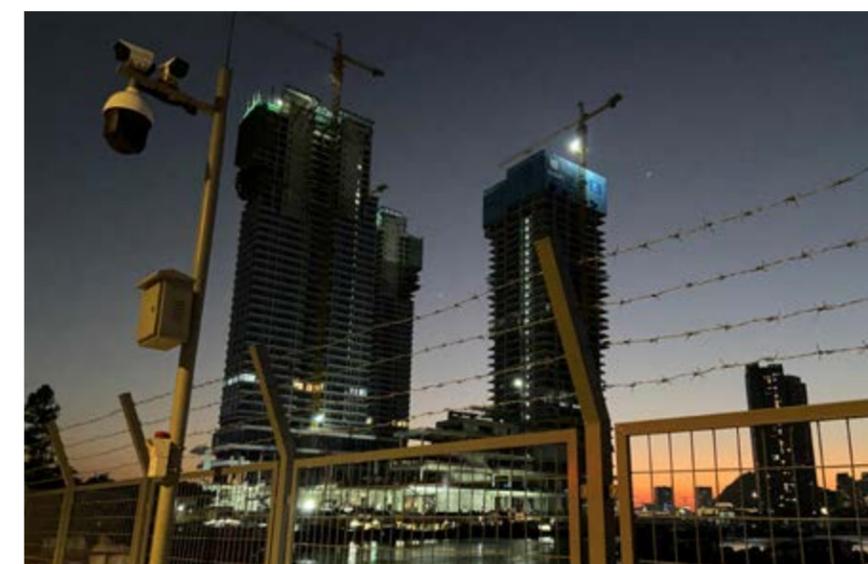
anything else for the property market, said Ding Zuyu, CEO of E-House (China) Enterprise Holdings Ltd.

Also, top regulatory bodies, including the People's Bank of China, the country's central bank, the China Banking and Insurance Regulatory Commission, China Securities Regulatory Commission, the State Administration of Foreign Exchange and the Ministry of Finance, have all voiced their resolve in eliminating risks and supporting the property sector's healthy development.

The People's Bank of China (PBOC) held a meeting stressing it will "stick to stable and progressive growth, whilst making efforts in preventing and resolving real estate market risks".

The China Banking and Insurance Regulatory Commission (CBIRC) also stressed the need to uphold the principle of "housing is for living in, not speculation", continue to perfect the long-term mechanism of property with stable land prices and home prices, and market expectations, encourage secure and orderly M&A lending by institutions, support mergers and acquisitions for prime property projects and promote the healthy development of the sector to form a virtuous circle.

The China Securities Regulatory



Commission (CSRC) vowed to provide help for the reasonable financing of the real economy, and actively cooperate with related departments to effectively eliminate real estate enterprises' risks. The State Administration of Foreign Exchange (SAFE) expressed its intention to cooperate with relevant government departments in promoting the property market's healthy and stable development.

What is more encouraging for the property market is that the Finance Ministry announced that conditions are not suitable for piloting the real estate tax reform in more cities this year.

Such a judgment was made after considering various aspects, reported Xinhua, citing a Finance Ministry official when answering questions regarding the pilot program.

The program was implemented with the authorization of the Standing Committee of the National People's Congress, the country's top legislature, and investigations and preliminary studies have been carried out in some cities, the official said. **B**

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REGULATORS OF CHINA VOW EFFORTS TO STABILIZE PROPERTY

China made a strong push to stabilize battered financial markets, promising to ease a regulatory crackdown, support property and technology companies and stimulate the economy. The government should "actively introduce policies that benefit markets," according to a meeting of China's top financial policy committee led by Vice Premier Liu He, the country's top economic official.

That vow to take investors interests into account comes after a sell-off in domestic shares due to fears over growth risks and tough regulation of real estate and internet companies.

The meeting offered investors re-assurance that a sweeping crackdown on internet companies was nearing its end and that the government would prevent a disorderly collapse in the property market. China's banking regulator said after the meeting that it would support insurance

companies to increase investment in stock markets.

It was indicated that the central authorities are fully aware of the potential risks undermining the property sector and they intend to introduce solutions to guard against and mitigate such risks, said an analyst with Sinolink Securities.

The gesture by the committee meeting is a big booster for the industry's recovery of confidence. Currently, confidence is more important than



10 KILLER TIPS TO START A NEW CHANNEL FOR YOUR BUSINESS

Promoting your business on a social media channel is all the rage because it allows you to reach millions of people with only a few videos. If you are looking for a platform that acts as a complete information provider about your company, Wechat, Tik Tok or Youtube are perfect solutions. With the right set of the channel marketing guidelines, you can increase the number of viewers and take your business to another level.

To help you achieve this goal, we have curated these 10 killer channel marketing tips for your business.

KNOW YOUR MARKET AND TARGET AUDIENCE

Creating content aimed at the right audience is crucial, so knowing the suitable market according to your business is very important. Through this channel marketing technique, you can generate more customers for your business. The more you cater to your target market, the more likely it is that they will inquire about your company's

offerings. You can use tools such as Adwords or Vidooly to find out more about your target audience.

FOCUS ON QUALITY, NOT QUANTITY

Quality over quantity is a proven method, especially in channel marketing. Rather than flooding your channel with useless videos, create informative videos that convey your message. For optimum results, you should aim to create videos that have clear visuals and high sound quality. This will keep your viewer engaged and interested for a longer time.

PROMOTE ON SOCIAL MEDIA

Cross-promoting your channel social media account on other social media platforms will generate more audience for your business. Similarly, your existing clients on other social media accounts will automatically get diverted to your channel. In this way, you can create maximum exposure for your business on all accounts.

GET CREATIVE WITH THUMBNAILS AND TITLES

Your social media will rank videos based on their description and tags. You can let your audience know what your business is about through catchy thumbnails and titles that will quickly grab the attention of your viewers. Make sure you utilise the same logo throughout your social media handles and website to ensure brand consistency.

BOOST ORGANIC REACH THROUGH OPTIMIZATION

The first step in becoming a channel marketing strategy expert is creating and optimising your videos' metadata. Since many social media channels have their own set of optimisation parameters, you'll be prompted to enter a title, description, and tags. Don't skip on these components if you want your video to be quickly found in a channel search. If you optimise your video the right way, it has a high chance of ranking on your social media and other search engines.

MAKE USE OF CHANNEL PLAYLISTS

The playlists on the channel of the social media provide an effective way to sort your videos into categories according to the topic or theme. This simplifies the process for the audience, and they can easily understand the type of content you create. Additionally, the overall watch time also gets increased as all other videos in that playlist get played automatically.

KNOW YOUR COMPETITORS

It is always a good idea to learn more about your competitors. You can use various tools to help you analyse the company's ranking and keyword research. When you take cues from the insights of your competitors, you will be able to make a better channel marketing strategy for your business.

CONSISTENCY IS KEY

It takes time and effort to build a successful social media channel, and it also demands consistency. Once you've

determined the best time to post, make it a priority to do so frequently during that time frame. Initially, you can plan a few videos ahead of time so that you can post them according to your own schedule.

INVEST IN INFLUENCER MARKETING AND SOCIAL MEDIA ADS

Social media ads are a clever approach to getting your videos in front of your target audience. They can help you target a specific age group, gender, and interest, among other things. They work on a cost-per-view (CPV) basis, which means you only pay when someone watches your video advertisement.

KEEP TRACK OF PERFORMANCE

With the help of social media analytics tools like Unbox Social, you can quickly get metrics and performance reports for your social media channel. It also tells you the video-wise engagement, watch-time etc. You can easily create a social media channel marketing strategy for your business and increase substantial growth through this analysis.

CONCLUSION

A solid social media channel marketing approach includes utilising all of the tools and features available. The easier it is for visitors to find and identify your content quickly, the more likely they are to discover it and subscribe. With the help of these social media channel marketing tips, you are all set to go! 



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TOP 11 TIME-SAVING HR AUTOMATION TOOLS

Human Resources is the foundation of any work organisation, and the HR tasks are never-ending, so managing them all in one place is quite challenging. But fortunately, there are HR automation tools that minimise the manual efforts and save precious time. From updating daily tasks to improving the recruitment process, HR automation tools are a brilliant way to increase efficiency at reduced costs.

HERE ARE THE TOP 11 TIME-SAVING HR AUTOMATION TOOLS

BrightHR

BrightHR is amongst the most popular HR automation tools which operate on a SaaS platform. You can use BrightHR to save and combine all of your employee papers instead of maintaining, writing and storing them physically or in separate cloud-based storage. BrightHR, for example, can record an employee's driver's licence information and remind you when it's time to renew it.

Trello

Trello is a visual project management tool that helps teams bring projects to life and keep them moving ahead. It has various boards, lists and cards that allow teams to move quickly from concept to action.

Say goodbye to heaps of paperwork by using templates to structure your human resources management operations in Trello.

Breathe

This is a cloud-based HR software that is ideal for growing businesses. Your team can use Breathe to keep track of personal information and company papers. It enables quick and easy access to all holiday requests, expenses, leave and payroll data. You can opt for their 14-day free trial today and enjoy the benefits.

Asana

Asana enables HR teams to manage all their workflows and projects, from tracking candidates to onboarding new hires. You can easily organise tasks however you like, set deadlines, filter by projects, and assign subtasks to others. It

allows you to create several work boards for better efficiency and simplified task arrangements.

BambooHR

BambooHR is more than simply a set of tools for fine-tuning and streamlining your payroll and recruiting operations. This HR automation tool will be best suited for small- to medium-sized enterprises. You can generate extensive reports on anything from staff planning to approval tracking and PTO usage in seconds, saving you hours of effort.

CavinHR

CavinHR is a comprehensive solution for all your HR issues with a Human Resource Management System (HRMS). The advanced time systems solution can provide a variety of analytical reports and statistics to help any firm manage and regularise employee time.

They also provide an activity stream, messages and notifications, and to-do tasks to encourage involvement among your team members.

Pulse HRM

Pulse HRM is the most comprehensive HR process management software for small to large enterprises. It is developed on the Oracle platform and allows you to perform various HR tasks, including evaluating performance,

suggesting areas for growth and training requirements, and honouring outstanding performers.

Kissflow

If you're looking for a flexible HR automation tool, then Kissflow is an ideal solution. Kissflow provides complete hiring and staffing software for people and businesses with its extensive network and solid expert ethics. Its RPO services successfully manage the hiring process and staffing tools. In addition, this platform is entirely customisable and easy to use.

Teamwork

Teamwork is a visual tool that assists businesses in planning, managing, collaborating on, and completing projects of any size. It allows teams to see the entire scope of a project or a portfolio of projects while keeping track of specific project components. It also comes with a high level of security. Complex passwords are allowed, and some plans include two-factor authentication and single sign-on (SSO).

WebHR

WebHR is a robust compliance platform that handles everything from pre-hiring to recruitment and training. It is a comprehensive solution that meets corporate requirements while also

assisting small businesses in establishing HR departments. WebHR engages employees on a social networking level by keeping them informed about their co-workers through a news feed, with birthday announcements and the company's news and alerts.

SIGMA-HR

SIGMA HR is a one-of-a-kind global solution for managing human resources and occupational health and safety. It has HRIS software designed to assist your firm in reaching a higher level of productivity by managing single employee files, expediting recruiting, skills management, training, and performance reviews.

CONCLUSION

In the areas of hiring, training, payroll, and staff management, all these solutions have the potential to provide tremendous growth and efficiency to your organisation. Select an automation tool that helps you manage your whole workforce so that you can focus on other essential tasks. It is always a good idea to have various options before deciding on the most suitable one for your organisation. **B**

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SOLAR OVEN PRODUCES CARBON-FREE CEMENT AND STEEL

Finding green solutions is a new positive trend in every industry. Scientists and entrepreneurs have realized the importance of the environment for the survival of future generations, and many industries are turning towards environment-friendly solutions for manufacturing.

However, this is not a simple task. Heavy industries rely on fossil fuels, which have two major issues. One is that they produce large quantities of carbon dioxide, and the second is that the fuel reserves are depleting and might never be replenished in the future. This is why research and development are being done to find alternate sources of energy.

Solar energy is now the most promising alternative energy solution, and many industries are turning towards this source. Commercial and residential users are finding it a better solution than conventional sources of energy. The

implementation cost of a solar energy set up is high, but in the long run, it is cheaper.

Heliogen is a green energy company created by Bill Gates, who has done a lot of work for the preservation of the environment. This start-up company is another testimony to his dedication and perseverance with regard to restoring the environment.

The company is developing a new solar technology that transforms solar energy to extreme heat. This is done by using kinetic mirrors to divert the sunlight to a single point to attain a temperature only

three times less than that of the sun.

This extreme heat energy can be used in heavy industries like cement and steel manufacturing which require very high temperatures. To manufacture steel, you need to smelt iron ore, which requires a temperature of 1,100 degrees Celsius, and a cement kiln requires 1,450 degrees Celsius. So far, burning fossil fuels has been the only way to achieve such high temperatures, but now there is another, greener way to do it.

The whole process depends on an efficient and advanced computer vision system that is minutely accurate in aligning a large array of mirrors to reflect sunlight to a single point and intensify the heat. Heliogen's test refinery consists of 400 kinetic mirrors that follow the movement of the sun through cameras and algorithms.

In layman's words, this technique is similar to using a magnifying glass to channel sunlight to start a fire.

Concentrated solar power technology has been around for some time now, but has never been able to achieve such high temperatures; existing concentrated solar technology has been able to go only as high as 500 degrees Celsius. This new technology is so far the only one that has been able to achieve more than 1,000 degrees Celsius, which is ideal for heavy industries.

Heliogen claims that this solar energy can be stored and converted in its solar plants. It can be used to produce green hydrogen fuel, which can replace fossil fuel consumption in any industry.

There is, however, a limitation to this technology. For obvious reasons, it can work only in sunny areas. Furthermore, large areas of land are required for the setup, which is often not feasible. **3**



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COLLECTING WATER FROM FOG MIGHT BE THE ANSWER TO GLOBAL WATER ISSUES



Water shortage is a global issue. Many remote areas are facing its drastic effects, and even in big cities, it has become a major problem. Pollution and excessive deforestation are the main causes.

Many efforts have been made to restore the natural water supply in many areas, but the damage far exceeds the restoration efforts. However, we should not give up on finding innovative ways to solve this problem. Efforts like collecting rainwater and purifying dirty water in pools to make it drinkable are highly commendable. Even small efforts can bear fruit, and if we all try

to save water, we can make a huge difference.

Similarly, if we try to find ways to collect water to solve local shortages, we can come closer to solving this problem.

A new and innovative way is being used in mountainous areas on the Atlantic coast, South Africa, Peru, Chile, Sri Lanka, China and Mexico. This technique is called fog harvesting. To put it simply, it is the process of collecting fog and converting it to water. Since the mountainous areas have ample fog, this is most suitable for them.



WHAT IS FOG HARVESTING?

Fog harvesting provides an alternative for sourcing fresh water. Wind-driven fog is used to collect this fresh water. Fog is naturally more common in coastal and mountainous areas, and that is where these systems are installed.

The system consists of a mesh net stretched between two poles. The net is perpendicularly placed facing the direction of the fog. When the fog passes through the nets, it forms water droplets. The collecting and conveying system work with gravity, so that the water droplets that are captured in the mesh drip downward into the collector tubs or gutters.

From there, the water goes to storage tanks through pipes. The mesh net can be single or double-layered, and the size of the panel can vary in size as well.

BENEFITS OF USING FOG HARVESTING FOR WATER COLLECTION:

- It doesn't require fuel or power to run it. It works with the simple laws of physics and gravity.
- It can lift the load off freshwater reservoirs, especially in times of low availability of water.
- The water is collected from the atmosphere, so it is pure and is instantly suitable for use. There is no need to process it with disinfectants because it does not have any microorganisms.

- An alternate source of drinkable water can improve the quality of life and irrigation in the area.
- It is a very cost-effective method of getting water. Water does not have to be transported from far-off areas, so the cost is cut considerably.

CONCLUSION

Fog harvesting is a very environmentally friendly way of solving the pressing problem of water shortage. Since it does not use any fuel or power, there is no added burden on the atmosphere. It might not collect large amounts of water, but it is sufficient for irrigation and drinking water for small local communities.

This method uses natural resources that are otherwise wasted. If fog is not utilized for water, it would go to waste and disappear. But using it for water is an ingenious idea that harvests pure, hazard-free water, with no adverse effects on the local ecosystem.

Such innovative solutions are an urgent necessity. However small the effort might seem, doing something is better than doing nothing. We all need to contribute toward a better and cleaner world. We have damaged the environment, so we need to try and fix it for future generations. **B**

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AmCham China, Tianjin Held Briefings on Business Impact of Latest Outbreak Followed by A Member Mixer

AmCham China, Tianjin held a briefing on Business impact of latest outbreak following with a spring member mixer on April 14 at the bar of Four Season Hotel.

help executives plan and make business strategies. Members communicated and mingled with new and old friends in person with a tasty buffet and free-flow beverages provided by Four Seasons Hotel Tianjin.

AmCham China and AmCham Shanghai have jointly surveyed the impact and prospect of the recent Covid-19 outbreak, revealing 99% of respondents of our members; since it has become an inevitable factor influencing business.

AmCham China thanks all the executives and professionals for scheduling your time to join the campaigns. We will continue introducing advanced thoughts, and stay tuned with us.

Mr. Marcus Williams and Mr. Martin Winchell, Chair and Vice-Chair of Tianjin Chapter highlighted the quantitative issues such as COVID-19's expected impact on corporate revenues, investment decisions, and talent retention. The survey also included questions on China's management of COVID-19 and provided member company's top recommendations on how to improve regulations, which may



AmCham China, Tianjin Held its Monthly Executive Breakfast Briefing with 2022 Tianjin Property Market Update

AmCham China, Tianjin held its monthly Executive Breakfast Briefing on April 21st at Shangri-La Hotel, Tianjin.

Mr. Mi Yang, Head of Research, North China at JLL, elaborated on the Macroeconomy in China and China's real estate market outlook for 2022, analyzing the economic growth in China. Mr. William Gao, Head of Logistics and Industrial, North China at JLL, presented the potential increase of the Tianjin office and logistic market. Mr. Matthias Bauer, Technical Director of Urban Planning and Urban Design at AECOM Tianjin, presented a few new and ongoing projects which will make Tianjin a more charming and advanced city and bring excitement and expectations to the residents of Tianjin.

UPCOMING EVENTS:

E-sports' Positive Impact and Its Future Development Trend in China

Date: May 13

Tianjin Monthly Executive Breakfast Briefing

Date: May 19

线下培训 - 透过结构看思考表达

Date: May 20



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Date: Saturday, 28 May 2022

Time: 09:00 - 18:00 Outdoor market (50 booths)

Contact: Tony Wu
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DINING

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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
海岸国际餐厅
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

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

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

Qba - Latin Bar & Grill
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Q吧 - 拉丁酒吧&烧烤
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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

La Sala Lobby Lounge
A: 2/F, Four Seasons Hotel Tianjin 138 Chifeng Road, Heping District
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

Qba - Latin Bar & Grill
A: 2F, 101 Nanjing Road, Heping District
T: +86 22 2389 0171
Q吧 - 拉丁酒吧&烧烤
和平区南京路101号二层

Pizza Bianca
A: No.83 Chongqing Lu, Min Yuan Stadium, Heping District
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

La Sala Lobby Lounge
A: 2/F, Four Seasons Hotel Tianjin 138 Chifeng Road, Heping District
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



DINING



Brasserie on G
A: 1st 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
T: +86 22 5857 8888 ext. 5091
W: ritzcarlton.com/tianjin
考恩餐饮&文化空间
和平区哈尔滨道102增101号

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: 1st 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: 1st 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: B1st 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



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
A: No.22 Weishan South Road, Shuanggang, Jinnan District
T: +86 22 2859 2002/5/6
W: www.istianjin.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



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
河西区宾水道 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

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
天津市河西区紫山路 35 号

Ariva Tianjin Zhongbei Serviced Apartment

A: No. 80 Xingguo 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
河西区宾水道 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



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THE CORNER ACADEMY

No. 86 Harbin Rd., Heping District, Tianjin
考恩预约品鉴店
和平区哈尔滨道86号
T: +86 22 27119871

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Eating Experience

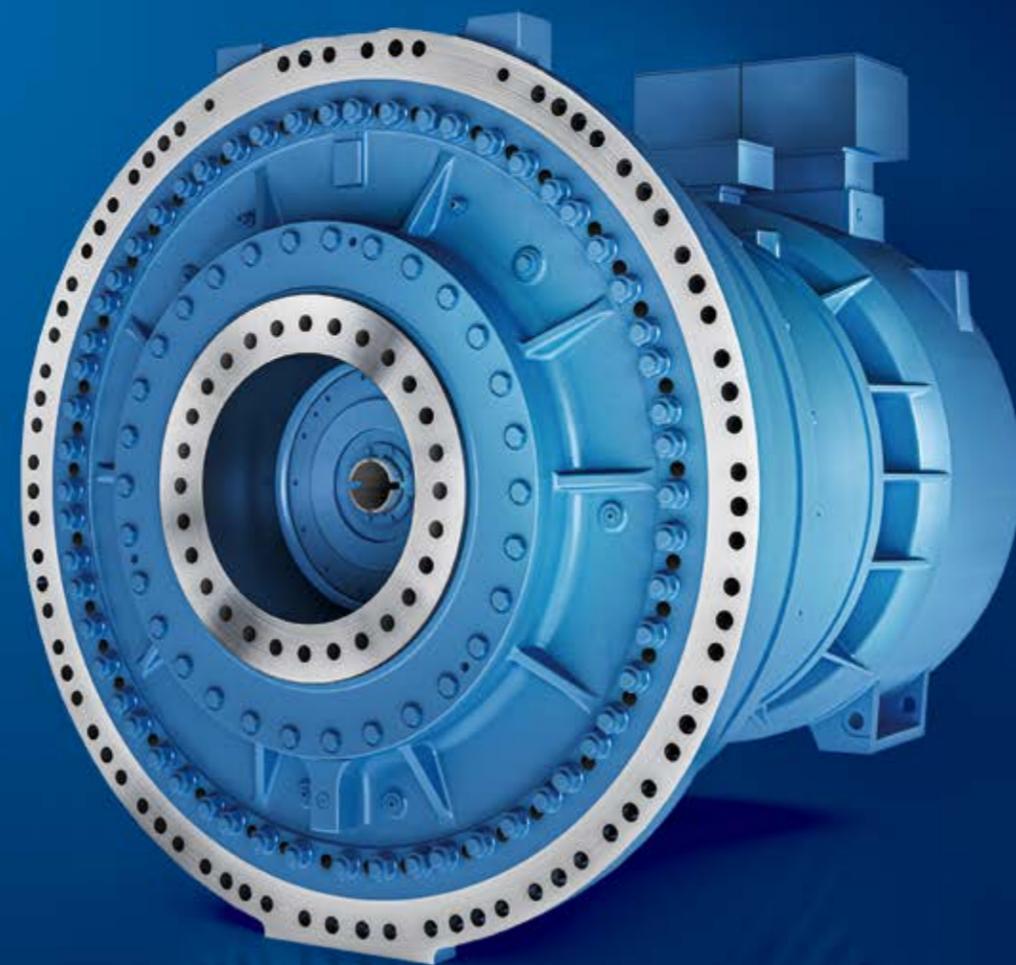
THE CORNER CHANCE

No. 101-102 Harbin Rd., Heping District, Tianjin
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