

泰达英文招商网站特别报道汇编

2025年合集

# 泰达英文招商网站 特别报道汇编

**SPECIAL REPORTS BY  
INVEST.TEDA.GOV.CN**



**2025年合集**  
**SPECIAL REPORT**  
**COLLECTION IN 2025**

天津经济技术开发区投资促进办公室制

Produced by TEDA Steering Office of Investment Promotion

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**现代化泰达 奋斗每一天**  
TEDA, Keep Striving Everyday for Modernization



## 卷首语

时光荏苒，泰达英文招商网站已经陪伴您走过了五个春秋。五年，不过弹指一挥间，但对于致力于“向全球讲好泰达故事”的我们而言，则是一段守正创新、不断成长的历程。

五年来，网站立足国际视野，密切关注区域发展动向，及时追踪投资动态，深度挖掘项目背后的故事，不断丰富内容、创新报道形式，力求将真实、立体、充满活力的泰达推介给全球。

2025年，是网站内容实现整体跃升的一年。我们紧扣时代脉搏，推出一系列切合区域发展之需的深度报道：

- 聚焦企业出海，特别增设“中国北方（泰达）一站式出海服务基地”版块，邀请区内企业参与网站内容共建，推出《泰达造向全球》专题，迈出从“引进来”到“走出去”的关键步伐，助力本土品牌扬帆出海；

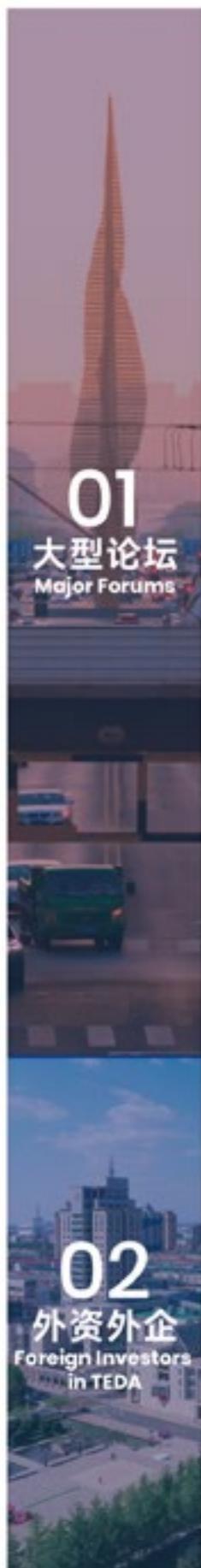
- 响应绿色浪潮，全新打造“绿色泰达”版块，发布《一图读懂天津经济技术开发区绿色低碳发展促进办法》等内容，服务区域产业升级、企业低碳发展，拓展国际合作新空间；

- 锚定大型会议，围绕中国发展高层论坛、夏季达沃斯论坛等重大会议，结合区域实际，推出系列报道，全方位展现泰达完善的产业链与优质的营商环境，精准服务招商需求；

- 优化涉外服务，针对外籍人士与外资企业关切，系统梳理外国人、外资企业来华、来津办理事项等，服务外资企业、外籍人士，营造宜居宜业的国际生态。

本汇编精选包含上述领域在内的网站最具代表性的特别报道，覆盖大型论坛、产经聚焦、外资外企、综合推介、绿色发展等多个维度，既是对网站过去一年工作的凝练，又是经开区扩大开放、推进招商引资的生动缩影，希望为默默耕耘的“泰达人”和关心泰达发展的各界朋友提供些微参考。所有英文内容皆由天津经开区投促办资深翻译严格审校，亦不失为英语爱好者的优质学习材料。

山海寻梦，不觉其远；前路迢迢，阔步而行。新的一年，泰达英文招商网站将继续在讲好泰达故事的道路上砥砺初心、锐意创新，做好泰达与全球沟通的窗口、与企业并肩同行的坚实伙伴，吸引更多投资者关注泰达、走进泰达、扎根泰达。期待与您携手，共绘泰达高质量发展新篇章！



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### 02 外资外企 Foreign Investors in TEDA

## TEDA Remains Top Destination for Multinational Investment, China Development Forum Ignites Investment Momentum



With the theme "Unleashing Development Momentum for Stable Growth of Global Economy", the China Development Forum 2025 ran from March 23 to 24 in Beijing. The forum brought together domestic and international government officials, experts, scholars, executives from Fortune Global 500 companies and leading industries, as well as heads of international organizations. The forum sent a clear signal that China will unwaveringly promote high-standard opening-up, welcoming companies from all countries to invest in China. Multinational executives also expressed their strong confidence in the future of the Chinese market.

As a gateway for China's opening-up, TEDA has grown over the past 40 years into a top investment destination for foreign investors in China. Many multinational corporations have started from TEDA to expand their

footprint in China, achieving win-win results for both business growth and regional development. Let's explore these heavyweight investors that participated in this year's forum and their strategic expansion in TEDA.

### Many Giant Participants Made Investments in TEDA

This year's forum attracted 86 foreign representatives from 21 countries, including executives from global giants such as Apple, Samsung, Mercedes-Benz, Nestlé, and Otis. Notably, among these multinational corporates, industry giants like Samsung, Nestlé, Otis, Schneider Electric, Cargill, and Standard Chartered, have set up strong business in TEDA and will continuously expand their investments here.

Otis, a global leader in the elevator and escalator industry, entered the Chinese market in 1984 by establishing

a joint venture in Tianjin. It has steadily expanded its investments in both Tianjin and China. With major manufacturing bases and R&D centers settling down in China, the company has invested in TEDA its single largest manufacturing facility worldwide and Otis North China R&D center. Judy Marks, Chair, Chief Executive Officer and President of Otis Worldwide Corporation said, "China is our single largest elevator and escalator market. As China is emerging, Otis China had the opportunity to emerge."

Growing with giant investors like Otis, TEDA has developed into one of China's best national-level development zones in terms of economic aggregate, comprehensive investment environment, and globalization level. As of the end of 2024, TEDA had 6,531 foreign-funded projects from 97 countries and regions, with an actually utilized foreign investment of \$70.412 billion. Among these, 601 projects were invested by 124 Fortune Global 500 companies. In 2024, TEDA's GDP reached RMB 258.1 billion, growing by 5.8% year-on-year. This strong economic performance further reinforces the confidence of multinational corporations in deepening their presence in TEDA.

### China's New Quality Productive Forces Offer Multinationals Innovative Opportunities

China is accelerating the development of new quality productive forces, which injects strong momentum into high-quality domestic economic growth and creates unprecedented opportunities for foreign investors. Participants at the forum noted that China's



innovation ecosystem has been improving, yielding a steady stream of achievements. They deeply appreciated the immense growth potential of the Chinese market.

Laurent Freixe, CEO of Nestlé, attended the forum and said that China's ongoing institutional opening-up and proactive integration into high-standard international trade and economic frameworks have strengthened Nestlé's confidence in further investing in China. He expressed Nestlé's commitment to bringing more high-quality, healthy, nutritious, innovative, and sustainable products to Chinese consumers.

Jean-Pascal Tricoire, Chairman of Schneider Electric, expressed in his speech that Schneider remains committed to the China-Hub business strategy and ensures that its technological innovations benefit the world. He noted that China's cultivation of new quality productive forces is not only driving the rise of the nation's emerging and future industries, but also transforming and upgrading traditional industries.

In recent years, multinational corporations continued expanding their operations in TEDA with a strong focus on technological innovation. So far, Schneider Electric has established

a smart factory and an intelligent manufacturing innovation center in TEDA, while Nestlé operates two factories, four production bases, a product innovation center, and a quality assurance center here. Both Nestlé and Schneider Electric are excellent examples of technological innovation and intelligent transformation, aligning closely with TEDA's industrial development and driving mutual growth.

TEDA has long adhered to its Technology-Driven Development Strategy, forging a path where technological innovation and industrial innovation go hand in hand. This approach has cultivated competitive industrial clusters in automotive and high-end equipment, next-generation information technology, new chemical materials, pharmaceuticals & healthcare, etc., continuously driving the industrial value chain towards both ends of the "smile curve". In 2024, TEDA's annual R&D expenditure exceeded RMB 10.1 billion, with an R&D investment intensity of 4%, ranking the top in Tianjin. Its business-friendly environment and strong support for technological innovation have turned TEDA into a powerful magnet for global capital. The area is now home to 17 foreign-funded R&D institutions and over 40 digital workshops and smart factories. These figures serve as a mirror that reflects TEDA's vibrant industrial growth and dynamic innovation ecosystem.

The deep-rooted practice of multinational corporations to TEDA is a testament to their strong confidence in TEDA's business environment and growth potential, as well as their trust in China's commitment to advancing

opening-up and fostering market opportunities. Looking ahead, TEDA will embrace a more open stance, an enhanced industrial ecosystem, and robust innovation capabilities, working hand in hand with multinational investors to drive high-quality regional development.

## 中国发展高层论坛点燃投资引擎 泰达仍是跨国企业投资不二之选

3月23日至3月24日,中国发展高层论坛2025年年会在北京举行。本届论坛以“全面释放发展动能,共促全球经济稳定增长”为主题,吸引中外政要、专家学者、世界500强和行业龙头企业高管、国际组织负责人等海内外嘉宾参会。论坛释放出中国将持续扩大开放、积极欢迎各国企业的信号,参会的众多跨国公司负责人表示,对中国市场的未来充满信心。

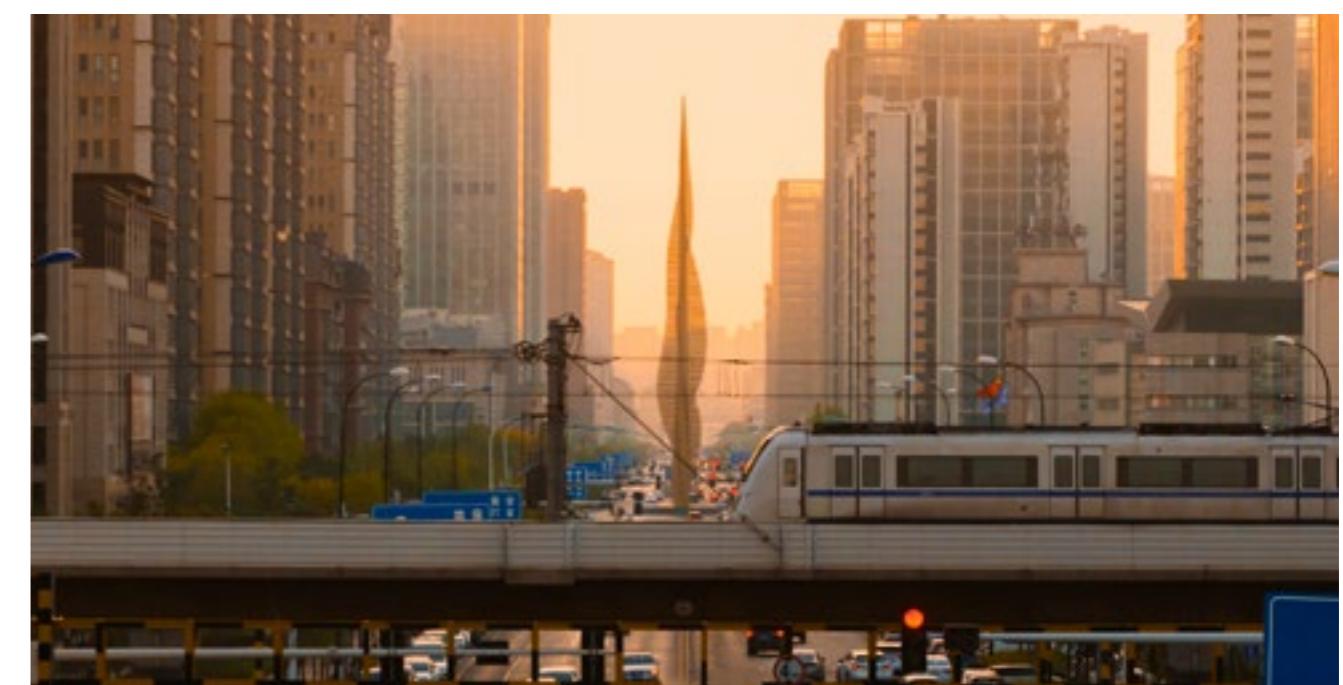
作为中国对外开放的重要窗口,天津经开区历经40余年的发展,已经成为外资企业在华投资的首选地之一,众多跨国公司以泰达为出发地,一步步扩大在中国的布局,实现了企业与区域发展的双赢。那么,本次论坛有哪些重磅企业参加?它们在经开区又有哪些布局呢?

参会企业含金量高 众多行业巨头在泰达有

### 布局

本届论坛共有21个国家86位跨国企业的正式代表出席,包括苹果、三星、奔驰、雀巢、奥的斯等跨国巨擘的负责人,可谓嘉宾云集。值得注意的是,参会企业中,三星、雀巢、奥的斯、施耐德电气、嘉吉、渣打集团等行业巨头均在天津经开区有着重要业务,并持续扩大在这里的投资。

以全球电梯行业领导者奥的斯为例,自1984年在天津建立合资公司进入中国市场以来,奥的斯一步步执行并加大在天津、在中国的投资,主要制造基地和研发中心均落户中国,在泰达布局有全球最大的单一制造工厂和北方研发中心等。奥的斯全球公司董事会主席、首席执行官兼总裁朱蒂说,“中国是奥的斯的重要市场,奥的斯致力于与中国市场共同发展前行。”



正是与奥的斯这样的“巨人型”企业同行，天津经开区经济迅速崛起，成为中国经济规模最大、外向型程度最高、综合投资环境最优的国家级开发区之一。截至2024年底，泰达拥有来自97个国家和地区的外资项目6531个，实际使用外资704.12亿美元，124家《财富》500强跨国公司投资项目601个。2024年，经开区实现地区生产总值2581亿元，同比增速达5.8%，经济的快速增长更加坚定了外资企业扎根泰达的决心与信心。

### 锚定中国发展新质生产力机遇 跨国公司与泰达携手创新发展

当下，中国正在加快培育新质生产力，不仅为国内经济的高质量发展注入了强大动能，也为外资企业带来了前所未有的发展机遇。与会嘉宾普遍认为，中国创新生态持续优化，创新成果层出不穷，他们深切感受到了中国市场的巨大发展潜力。

雀巢集团首席执行官傅乐宏出席论坛并表示，中国持续扩大制度型开放，主动对接高规格的国际经贸框架，让雀巢更加有信心，坚定地继续在中国投资。期待为中国消费者带来更多高品质、健康、营养、创新以及可持续的产品。

施耐德电气董事长赵国华在论坛上发表讲话，“我们坚持‘中国中心’战略，创新技术成果也惠及世界。”赵国华认为，中国发展新质生产力，不仅引领新兴产业和未来产业崛起，也推动了传统产业转型升级。

近年来，外资企业围绕科技创新持续加大在天津经开区的布局。目前，施耐德在经开区设有智能化工厂和智能制造创新中心；雀巢则在经开区拥有2家工厂、4个生产基地以及1个产品创新中心、1个质量保证中心。无论是雀巢还是施耐德，都是技术创新与智能化转型升级的生动实践者，与经开区的产业发展实现了同频共振。

一直以来，天津经开区坚持“科技兴区”战略，走出了一条科技创新与产业创新的融合发展之路，形成了汽车及高端装备、新一代信息技术、化工新材料、医药健康等多个极具竞争力的产业集群，并不断推动产业链向微笑曲线两端延伸。2024年，经开区年度R&D经费超过101亿元，经费投入强度4%，居天津市首位。持续优化的营商环境以及对科技创新的大力支持，使泰达成为吸引全球优质资本的强大磁场。目前，经开区拥有外资研发机构17家，数字化车间和智能工厂40余家。这些数字犹如一面镜子，映射出泰达产业发展的蓬勃生机和创新活力。

跨国企业持续深耕泰达，是对泰达营商环境与发展潜力的高度认可，更是对中国开放决心与市场机遇的坚定信心。未来，泰达将以更加开放的姿态、完善的产业生态以及有力的创新支撑，与跨国公司携手同行，不断推动区域高质量发展。

## The Rise of TEDA's New Chemical Materials Industry: Insights from the China Development Forum

The 2025 Annual Meeting of the China Development Forum has successfully concluded. The forum conveyed China's determination to further comprehensively deepen reforms and its sincerity in sharing development opportunities, which is of positive significance for promoting stable global economic growth. A total of 25 executives from 18 central state-owned enterprises (SOEs) and 28 leaders from renowned private enterprises attended the forum. Among them, major state-owned enterprises such as CNPC and GENERTEC have significant operations in the Tianjin Economic-Technological Development Area (TEDA), highlighting TEDA's robust manufacturing foundation and the potential for upgrading traditional petrochemical industries alongside the booming development of new materials industries.

### The TEDA Paradigm in the Energy Revolution: CNPC's Green Leap

As one of the world's major oil and gas producers and suppliers, CNPC's operations in TEDA span energy reserves, trade, new energy, and many other fields, serving as an example of transformation and upgrading for traditional energy enterprises.

In 2008, CNPC Bohai Drilling Engineering Co., Ltd., a wholly-owned subsidiary of CNPC, was established in TEDA. Engaging in engineering technology with full industrial chain service capabilities, the enterprise operates across major domestic oil



and gas fields and exports Chinese technology to overseas markets including Iraq, Indonesia, Kuwait, and Peru. In 2010, the completion of the 1-million-ton crude oil storage facility in Nangang Industrial Zone provided a solid foundation for Tianjin's petrochemical industry development and regional energy supply in the surrounding areas. Additionally, CNPC has successively established several subsidiaries in TEDA, including CNPC Tianjin Natural Gas Pipeline, CNPC Bohai Drilling Engineering, and CNPC Logging.

CNPC's continued investment in TEDA is closely tied to TEDA's comprehensive strengths and the strategic position of Nangang Industrial Area. TEDA has ranked first in the comprehensive evaluation of the investment environment of national-level economic and technological development zones issued by the Ministry of Commerce for many consecutive years. The area's proximity

to Tianjin Port and Binhai International Airport has nurtured three 100-billion-yuan industrial clusters, namely, automotive and high-end equipment, next-generation IT, and new chemical materials. In particular, since Nangang Industrial Zone was designated as a national petrochemical industrial base in 2014 and included in the Outline of the Beijing-Tianjin-Hebei Coordinated Development Plan in 2015, its role as a world-class petrochemical hub has perfectly aligned with CNPC's strategic goal of "building a world-class sustainable enterprise."

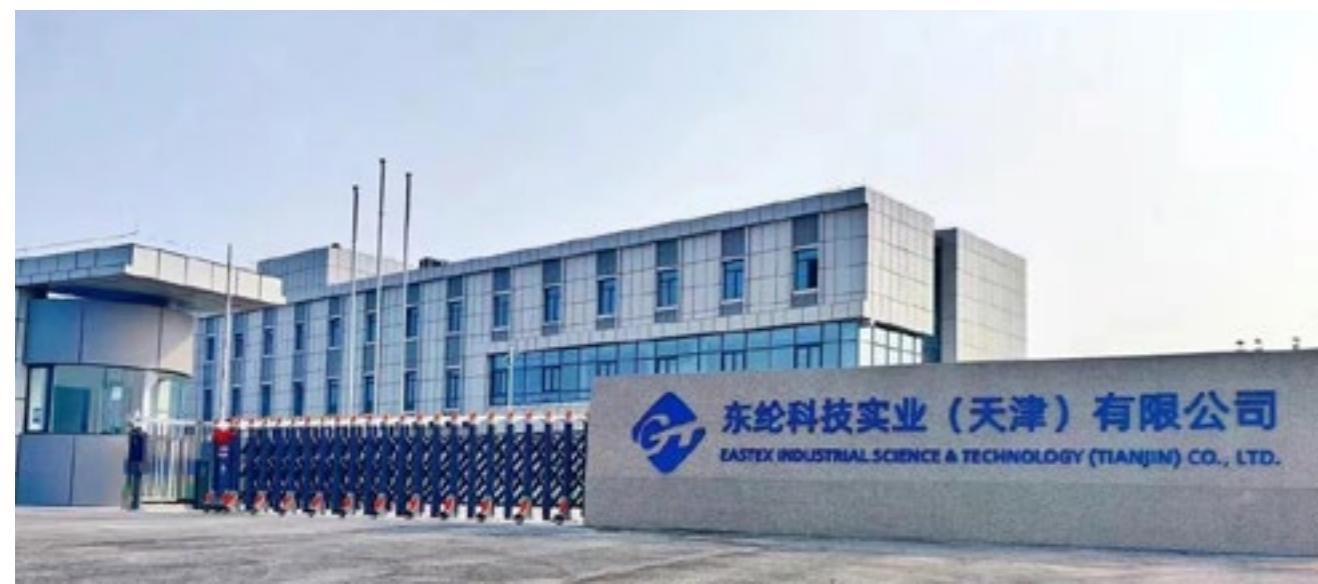
Under the guidance of China's goals of carbon peaking and carbon neutrality, the collaboration between TEDA and CNPC sparked green innovation. In October 2023, the Integrated Smart Supercharging Station with functions of photovoltaic power generation, energy storage, charging and inspection invested and built by CNPC began operations in TEDA, setting an example for the transformation of traditional energy enterprises. In September 2024, CNPC (Tianjin) Fuel Oil Co., Ltd. was established to operate the CNPC

Northern Marine Fuel Supply Energy Base. In the future, this project will become a northern center of refueling for foreign trade vessels of CNPC, North China Marine Fuel Resource Distribution Center, and Northern Marine Fuel Supply Energy Base, which will effectively promote the process of clean fuel in the Bohai Bay.

From oil and gas drilling to smart energy, and from traditional storage and transportation to green supply, CNPC's development in TEDA reflects what underlies China's energy revolution. This progress not only accelerates the industrial upgrading and the low-carbon transformation of TEDA's chemical industry, but also achieves a win-win situation between investors and regional growth.

#### TEDA's Practice in New Materials: GENERTEC's Industrial Chain Layout

GENERTEC's layout in TEDA fully demonstrates TEDA's magnet effect in the new materials sector. The group's subsidiary, EASTEX Industrial Science & Technology Co., Ltd., invested in a high-end medical and hygiene spunlace



nonwoven materials project in TEDA. Thanks to TEDA's superior business environment and efficient government services, the project is able to kick off the project process immediately after signing agreement, and start construction right after acquiring land. In 2024, Phase I of the project entered trial production, focusing on R&D and production of medical consumables and automotive interior materials.

The establishment of this high-end new materials project in TEDA stems from the company's geological consideration and meticulous calculation of industrial chain. "Nearly half of EASTEX's products are exported from Tianjin Port to the U.S., Japan, and other regions. The distance from the production base to Tianjin Port was shortened from 130 kilometers to merely 30 kilometers, saving approximately 1 million yuan in logistics costs alone," said a company representative. Meanwhile, Tianjin Petrochemical Co., Ltd., the Large-scale Ethylene Project, and Tianjin Bohai Chemical Industry Group in Nangang, supply raw materials such as polyester staple fibers and chitosan fibers for the project. The project can also offer raw materials to local companies like Bloomage Biotech and automotive interior manufacturers, creating a collaborative next-door supply ecosystem. This synergy will continue to attract more and more enterprises to gather here. Next, EASTEX plans to invest an additional 250 million yuan in the construction of Phase II, which will fill domestic gaps in product portfolios and elevate the level of the region's new materials industry.

Today, TEDA is reshaping the new

energy pattern through industrial collaborative innovation. Especially, Nangang Industrial Zone, as the hub for Tianjin's petrochemical industry, has attracted global giants at home and abroad, such as Sinopec, CNPC, CNOOC, Tianjin Bohai Chemical Industry Group, Shell, BASF, ExxonMobil and Cabot, alongside a number of R&D institutions and innovation platforms with cutting-edge technologies, such as Sinopec Beijing Research Institute of Chemical Industry and CNOOC Tianjin Chemical Research and Design Institute. The area now boasts over 10 million cubic meters of crude oil storage capacity, 15 million tons of LNG receiving capacity, and over 1 million tons of lubricant production capacity, emerging as a pivotal force in advancing the development of China's new chemical material industries.

Looking ahead, TEDA will continue to leverage technological innovation to build a world-class green new chemical materials base, making more "TEDA-created" deliverables to the global stage.

## 从中国发展高层论坛看泰达化工新材料产业的崛起

中国发展高层论坛 2025 年年会已经圆满落幕。论坛传递出中国进一步全面深化改革的定力与共享发展机遇的诚意，对推动全球经济稳定增长具有积极意义。此次论坛，共有 18 家 25 位央企国企负责人、28 位知名民营企业负责人出席。其中，中石油、中国通用技术等国有重要骨干企业都在天津经开区有重要布局，凸显出泰达雄厚的制造业基础，以及传统石化产业转型升级与新材料产业蓬勃发展的潜力。

### 能源革命中的泰达范式：中石油的绿色跃迁

作为全球主要的油气生产商和供应商之一，中石油在天津经开区的业务覆盖能源储备、贸易、新能源等众多领域，其发展堪称传统能源企业转型升级的教科书。

2008 年，中石油全资子公司中国石油集团渤海钻探工程有限公司在经开区成立，这家拥有全产业链服务能力的工程技术企业业务横跨国内主要油气田，并将“中国技术”输出至伊拉克、印尼、科威特和秘鲁等海外市场。2010 年，南港工业区百万吨原油储备库落成，为天津石化产业发展及周边区域能源供应提供了坚实保障。此外，中石油还陆续在经开区设立了中石油天津天然气管道、中石油渤海钻探工程、中石油测井等一批公司。

中石油的持续加码与天津经开区的综合实力以及南港工业区的战略地位密切相关。天津经开区连续多年在商务部发布的国家级



经开区投资环境综合评价中位居首位，区域毗邻天津港、滨海国际机场，培育出汽车及高端装备、新一代信息技术、化工新材料三个千亿级产业集群。特别是南港工业区 2014 年被列入国家石化产业基地、2015 年被纳入《京津冀协同发展规划纲要》后，其作为世界级石化产业基地的定位与中石油“建设基业长青世界一流企业”的战略目标完美契合。

在“双碳”目标引领下，双方的合作进一步迸发出“绿色火花”。2023 年 10 月，中石油在泰达投资建设的“光储充放检一体化智慧超级充电站”投用，将光伏发电、储能系统与充电设施深度融合，打造传统能源企业转型的示范样本。2024 年 9 月，中石油（天津）燃料油有限责任公司成立，运营中石油北方船供能源基地项目。该项目未来将成为中石油集团北方外贸船燃加注中心、华北船燃资源周转中心和北方船供能源基地，将有力推动渤海湾燃料清洁化进程。

从油气钻探到智慧能源，从传统储运到

绿色供给，中石油在天津经开区的发展折射出中国能源革命的深层逻辑，不但推动了经开区化工产业的升级以及绿色低碳转型的步伐，而且实现了企业与区域发展的双赢。

### 新材料领域的泰达实践：通用技术的产业链布局

中国通用技术集团在天津经开区的布局，充分彰显出泰达在新材料领域的磁吸效应。集团旗下东纶科技在经开区投资了高端医疗卫生非织造材料产业化项目，得益于经开区优质的营商环境和高效的政府服务，该项目实现了“签约即启动，拿地即开工”。2024 年，项目一期进入试生产，主要研发生产医疗卫生耗材、汽车内饰原材料等产品。

这一高端新材料项目落地泰达的背后，是企业宏观的区位考量和精密的产业链计算。“东纶科技有将近一半的产品从天津港出口到美国、日本等地，原来的生产基地距天津港 130 公里，现在缩短至 30 公里，光物流成本就大概节省了 100 万。”公司相关负责人表示。同时，南港工业区的天津石化、大乙烯、渤化集团能为项目提供涤纶短纤维、壳聚糖纤维等原材料，项目亦可与区内的华熙生物以及汽车内饰等企业的原料需求形成市场呼应。正是这种“隔墙供应”的协同效应，吸引越来越多的企业聚集于此。下一步，东纶科技还将再投资 2.5 亿元建设二期项目。项目全部建成后，生产的一系列产品将填补国内空白，并带动区域新材料产业能级跃升。

如今，泰达正以产业协同创新重塑能源新格局。特别是南港工业区，作为天津石化

产业的主要承载地，不仅聚集了中石化、中石油、中海油、渤化、壳牌、巴斯夫、埃克森美孚、卡博特等众多国内外行业巨头，更汇聚了中石化北京化工研究院、中海油天津化工设计研究院等一批掌握前沿技术的研发机构和创新平台，形成了超千万立方米的原油储备能力、1500 万吨的 LNG 接收能力以及超百万吨的润滑油生产能力，成为推动中国化工新材料产业发展的关键力量。

未来，泰达将继续以科技创新为引擎，全力建设世界一流绿色化工新材料基地，向世界输出更多“泰达创造”的硬核成果。

## Insights from China Development Forum: TEDA's Innovative Practices in Modern Service Industry

The 2025 Annual Meeting of the China Development Forum has concluded successfully. Participating enterprises ranging from state-owned giants like Industrial and Commercial Bank of China (ICBC), China Minmetals Group, and CITIC Group to private-sector leaders such as JD.com, Hillhouse Capital, and XPeng Motors, have all deepened their roots in TEDA and achieved significant success in modern service sectors like finance, maritime economy, and digital healthcare. What drives these industry titans to put their focus on TEDA?

### Industry Leaders ICBC Financial Leasing and CITIC Leasing Lead the Way in Building a Financial Innovation Hub

As Tianjin's only and one of the few fully licensed financial zones in China, TEDA has emerged as a northern hub for financial innovation. It hosts 158

licensed financial institutions and 1,500 fund and asset management firms, with a managed asset scale exceeding 3.5 trillion yuan. Commercial factoring assets here account for over 20% of the national total. Prestigious institutions like ICBC Financial Leasing, CITIC Leasing, Tianhong Asset Management, Kincheng Bank, Bohai Securities, Hillhouse Capital, and XPeng Factoring have taken root and thrived in TEDA, consistently setting new industry benchmarks. ICBC Financial Leasing Co., Ltd., a benchmark in China's financial leasing industry, established its presence in TEDA in 2007 as ICBC's wholly-owned subsidiary. Approved by the State Council as a pilot project and licensed by the CBIRC, it became China's first bank-affiliated financial leasing company. Today, it has developed three business pillars across aviation, maritime, and comprehensive leasing

sectors, pioneering domestic "firsts" in bonded leasing, cross-border leasing, and syndicated leasing. The company has also spearheaded innovations such as two-way RMB capital pool pilots and centralized forex operations for multinational corporations. These innovation practices not only fuel its growth but epitomize TEDA's thriving financial ecosystem.

CITIC Financial Leasing Co., Ltd. has also achieved rapid growth in TEDA. Established in 2015 as CITIC Bank's wholly-owned subsidiary, it focuses on financial leasing for clean energy, eco-friendly infrastructure, advanced equipment manufacturing, shipping, and aircraft sectors, achieving groundbreaking results. In late 2024, CITIC Leasing won the First Prize of Tianjin's financial innovation cases serving the real economy with "Case Study: Direct Operating Lease Transaction of 22 x 84,500 DWT Multipurpose Pulp Carriers," which provided tailored financing solutions to COSCO Shipping Specialized Carriers through operational leasing, setting a benchmark for finance empowering the real economy. Such exemplary cases abound in TEDA. In February 2025, CITIC Bank announced an increase of its capital injection to CITIC Leasing's registered capital from 4 billion yuan to 10 billion yuan, a move enhancing its competitiveness and reflecting CITIC Group's confidence in TEDA's financial strength.

The sustained reinvestment and business expansion of these industry giants underscore TEDA's robust manufacturing foundation, abundant financial resources, and sophisticated financial regulatory and service framework. In recent years, TEDA has



leveraged its core sectors to advance "industry + finance". We pioneered tailored supply chain finance models to combine finance with sectors like automotive, energy, pharmaceuticals and smart manufacturing respectively. Such synergy not only empowers the real economy but also fuels financial innovation, attracting unicorns like XPeng Motors to establish financial institutions here.

### Minmetals Freight & Global Shipping Giants: Neighbors in TEDA's High-End Maritime Service Industry Boom

Similarly, TEDA's high-end maritime service industry thrives, thanks to the robust manufacturing foundation and the policy synergy of "FTZ + Development Zone + Comprehensive Bonded Zone". Anchored by two core platforms—the TEDA Maritime Base and Yuxiang International Shipping Tower, over 500 leading enterprises, including Minmetals Freight, Tianjin Port Second Container Terminal, CIMC Logistics, Zhenhua Logistics, PipeChina, China Energy Coal Group, Sinotrans, Aerial Survey Engineering, and Bohai Fine Chemical Co., Ltd. have converged here, forming a high-end maritime service ecosystem spanning shipping finance, maritime law, and full-chain logistics.

Minmetals Logistics Group (Tianjin) Freight Co., Ltd., established by China Minmetals Group in TEDA, epitomizes



the dynamic growth of TEDA's shipping economy. Specializing in international/domestic freight forwarding, non-vessel-operating common carrier (NVOCC), ship agency, and general cargo warehousing, it operates side-by-side with neighboring logistics firms, forging a tight-knit industrial collaboration network. Meanwhile, kicking off trial operations in 2023, the Tianjin International Oil & Gas Trading Center has pioneered the "LNG Order Connect" trading module, expanding maritime service scope and creating new development opportunities for local enterprises.

#### Cowell Internet Hospital & JD Health: Forging TEDA's "SmartInternet-based Healthcare Model"

TEDA is emerging as a magnet for digital healthcare innovation. Over 50 industry leaders including LinkDoc, Cowell Health, JD Health, Genetron Health, and Hengrui Pharmaceuticals Cloud have gathered here, collaboratively building the TEDA Model for internet-based medical healthcare services.

Attracted by TEDA's premium digital healthcare ecosystem, Cowell Health, a subsidiary of Hillhouse Capital, established its national telemedicine headquarters, Cowell Internet-based Hospital, here. Leveraging 10,000+ offline pharmacies and platforms like Cowell Health Pro and MedExpress, it offers patients end-to-end solutions spanning diagnosis, prescription, and medication delivery. "It took only three months to finish the whole procedure from site selection to offline and online medical licenses," said a Cowell executive, deeply impressed by TEDA's professional and efficient services.

In 2020, JD Health launched its first offline project in North China, TEDA's inaugural JD Pharmacy in the Tianjin Binhai New Area. With the help of its robust platform strength, JD Health continues to deepen the integration of internet-based healthcare with physical pharmaceutical industries, delivering efficient medical services to patients. Furthermore, JD Group is expanding its investments in big data and logistics, with the first JD MALL super store set to open in the Binhai New Area in 2025.

From ICBC Financial Leasing and CITIC Leasing's financial innovations to Cowell's smart healthcare, from Minmetals Freight's logistics to JD Group's cross-sector ventures, the practices of industry giants in TEDA underscore its solid industrial foundation and immense potential as a hub for modern services in North China. In 2024, TEDA's revenue of large-scale service businesses hit 214.56 billion yuan, driven by full-spectrum financial licensing, diversified platform economies, and shipping economies. This impressive performance is a result of mutual commitment and growth between TEDA and investors. Moving forward, TEDA will continue to unleash innovative momentum, forging an even more remarkable chapter in modern service industry.

## 从中国发展高层论坛看泰达现代服务业的创新实践

中国发展高层论坛 2025 年年会已经圆满落幕。此次参会企业中，无论是中国工商银行、五矿集团、中信集团等央企国企，还是京东集团、高瓴集团、小鹏汽车等民营龙头企业都深耕泰达，并在金融、航运经济、数字医疗等现代服务业领域收获颇丰。是什么让这些行业巨头将目光竞相投向泰达？

### 工银金租、中信金租行业巨头引领 打造金融创新高地

作为天津市唯一且国内少数的金融全牌照区域，天津经开区已成长为北方金融创新高地。这里集聚持牌金融机构 158 家，基金资管企业 1500 家，业务管理规模超 3.5 万亿，商业保理资产总额更是占全国的 20% 以上。工银金租、中信金租、天弘基金、金城银行、渤海证券、高瓴资本、小鹏保理等全国知名金融机构在此扎根成长，并不断刷

新行业纪录。

工银金融租赁有限公司是金融租赁行业的标杆企业，这家中国工商银行的全资子公司于 2007 年落户泰达，成为国务院确定试点、银保监会批准成立的首家银行系金融租赁公司。目前，该公司已形成航空、海事、综合租赁三大业务发展格局，开创了保税租赁、跨境租赁、联合租赁等国内多个“第一”和“首单”，并成功开展人民币双向资金池试点、跨国企业外汇集中运营等多项创新业务。其创新实践不仅为企业发展注入强劲动力，更成为经开区金融业蓬勃发展的生动注脚。

中信金融租赁有限公司在经开区的发展势头同样迅猛。作为中信银行全资子公司，中信金租在 2015 年落地经开区后，围绕清洁能源、节能环保设施、高端装备制造、船舶、飞机民生事业等主要领域开展融资租赁



业务，并取得了一系列突破性成果。2024年底，中信金租凭借“22艘84.5K多用途纸浆船经营性租赁直租业务案例”荣获天津市金融服务实体经济创新案例一等奖。该项目通过经营性租赁方式，为中远海特提供了定制化金融支持，成为金融服务实体经济的典范。在泰达，这样的案例不胜枚举。2025年2月，中信银行宣布，对中信金租的注册资本从40亿元增至100亿元，进一步强化其综合实力。而这也是中信集团对经开区金融实力的认可。

这些行业巨头的持续增资和规模扩张，充分彰显出经开区扎实的制造业基础、丰富的金融资源、完善的金融监管与服务体系。近年来，经开区立足主导产业，深入推进“产业+金融”，积极探索“汽车+金融”“能源+金融”“医药+金融”“智造+金融”等特色化供应链金融发展模式，赋能实力经济发展的同时，进一步激发了金融产业创新活力，吸引小鹏汽车等众多独角兽企业在这里布局金融机构。

#### 五矿货运与众多航运巨头比邻而居 泰达高端航运服务业加速发展

无独有偶，得益于雄厚的制造业基础以及“自贸区+开发区+综保区”政策优势，天津经开区高端航运服务业的发展也是如火如荼。依托泰达航运基地、于响国际航运大厦两大核心载体，经开区汇聚五矿货运、天津港第二集装箱码头、中集物流、振华物流、国家管网、国能焦煤、中外运、航测工程、渤海精细化工贸易等500余家航运领域领军

企业，形成涵盖航运金融、海事法律等全链条的高端航运服务生态。

五矿集团在泰达设立的五矿物流集团天津货运有限公司是泰达航运经济发展的生动缩影。该公司主要经营国际、国内货物运输代理、无船承运、船舶代理及普通货物仓储服务等业务，与区内的物流企业比邻而居，形成紧密的产业协作网络。与此同时，天津国际油气交易中心于2023年正式启动试运营，其首创的“LNG订单通”交易板块进一步拓展了航运服务边界，为区内企业提供了更多发展机遇。

#### 高济互联网医院、京东大药房头部企业齐聚 形成互联网医疗产业“泰达模式”

在数字医疗领域，泰达正释放出强大的磁吸效应。零氪科技、高济医疗、京东健康、泛生子、恒瑞医朵云等50余家数字医疗头部企业汇聚于此，全力打造互联网医疗产业“泰达模式”。

正是看中泰达优质的数字医疗产业生态，高瓴集团旗下高济医疗在这里落地了其全国互联网远程诊疗总部——高济互联网医院。该医院依托近万家线下实体药店资源，通过



“高济健康pro”“药急送”等平台，实现线上线下一体化服务，为患者提供诊断、开方、送药等全流程解决方案。“从线下实体选址、线下实体医疗机构资质获批到互联网医院资质获批，我们只用了三个多月。”高济相关负责人对经开区专业、高效的服务印象深刻。

2020年，京东健康北方总部首个线下项目、滨海新区首家京东大药房落地泰达。依托强大的平台优势，京东健康不断推动互联网医疗与实体医药产业深度融合，为患者提供高效的医疗服务。此外，京东集团也不断深化在大数据、物流等领域的投资，其滨海新区首家京东MALL超级体验店也将于2025年开门迎客。

从工银金租、中信金租的金融创新到高济医疗的智慧医疗，从五矿货运的货运代理到京东集团的多领域布局，众多行业巨头在泰达的实践印证了泰达作为北方现代服务业高地的深厚产业基础和巨大发展潜力。2024年，泰达规上服务业营收达2145.6亿元，以全牌照金融、全业态平台经济和航运经济为代表的服务业产业集群蓬勃发展。这份亮眼成绩单的背后，是企业与泰达的双向奔赴、共同成长。未来，泰达将持续释放创新动能，在现代服务业领域书写更加精彩的篇章。

## Tianjin Binhai New Area Investment Promotion Conference Held in Beijing -- Why Industry Leaders Choose TEDA?

Recently, the "Invest in Binhai for a Better Future" Tianjin Binhai New Area Investment Promotion Conference was held at China National Convention Center in Beijing. Representatives from 317 key enterprises and business associations in the Beijing-Tianjin-Hebei region gathered together to deepen exchanges and cooperation.

At the conference, representatives from enterprises in TEDA, including Great Wall Motor, Otis, and CITIC Financial Leasing, were invited to deliver speeches. They all praised the well-developed industrial ecosystem and high-quality business environment of TEDA, expressing their strong determination in deepening their businesses in TEDA and jointly exploring development opportunities.

### Great Wall Motor: The Tianjin Base is a Pivot in Our Global Market Landscape

"The Tianjin Base focuses on high-end automotive manufacturing, which is a pivot in our global market landscape," said Xu Liangshan, Vice President of Great Wall Motor Co., Ltd. at the conference.

Since signing cooperation agreement with TEDA in 2007, Great Wall Motor has embarked on a vigorous development journey on this vibrant land. The Tianjin Base, as the group's first vehicle production base outside of Baoding city, has become a giant integrated production base comprising a vehicle plant, auto parts park, logistics park and living



area which combined accommodate approximately 20,000 employees. By the end of 2024, the cumulative output of the Tianjin Base reached 3.98 million vehicles, with a total output value of 403.6 billion yuan, becoming an important part in Great Wall Motor's national layout.

Xu Liangshan believed that these achievements are inseparable from all-round support and assistance provided by the People's Government of Tianjin Municipality, Tianjin Binhai New Area and TEDA. He highly praised TEDA's unparalleled advantages like unique geographical location, convenient transportation, complete automotive industrial chain, and abundant talent resources.

Xu also commended TEDA's service efficiency. "Our Great Wall Motors' new project - MIND Electronics Tianjin Project, took only 27 calendar days from the initial submission of the project filing application to obtaining the construction permit, which even

included the New Year's Day and Spring Festival holidays. The renowned TEDA service speed significantly enhanced the efficiency of project implementation and reduced the time cost for the enterprise," he said. This intelligent project, with an investment of 1.153 billion yuan, was officially launched in February 2025 in TEDA West. It is expected to improve industrial chain of the automotive lighting and thermal management systems, further enhancing the automotive industry supply capacity of TEDA.

### Otis: TEDA's Mature Industrial Ecosystem Facilitates Innovation Development for Investors

"The mature industrial chain of Tianjin Binhai New Area has provided strong support for Otis. Here, the aggregation of upstream and downstream enterprises has formed a complete and efficient industrial closed loop. We can conveniently obtain high-quality raw materials and components, which significantly shortens the supply chain, reduces production costs, and improves production efficiency," said Sally Loh, Executive Vice President of Otis Worldwide and President of Otis Greater China, sharing the company's development achievements in Tianjin. In 1984, Otis established its first joint venture in Tianjin and entered the Chinese market. The company has been continuously expanding its investment scale in China with Tianjin as its hub, which made it a model for foreign enterprises developing in the country. Today, the Otis TEDA manufacturing base is home to the company's largest elevator manufacturing base, largest

traction machine factory and the only production site for high-speed elevators in the world.

"Leveraging the Binhai production base, Otis' products widely serve customers in the Beijing-Tianjin-Hebei region in the downstream. The close industrial collaboration helped us to jointly conduct technological research and innovation with upstream and downstream partners, driving the upgrade of the entire elevator industry," said Sally Loh.

Over the years, TEDA has been adhering to its Technology-Driven Development Strategy, introducing a series of policies and measures to promote the development of high-tech industries and steadily enhancing the innovation-driven capacity. Sally Loh said, "The strong innovative atmosphere in Tianjin Binhai New Area has also deeply influenced Otis. Here, innovation is the core driving force for enterprise development." Otis fully utilized this advantage by increasing R&D investment, established the Otis Northern China R&D Center in TEDA, bringing R&D closer to manufacturing in order to advance the R&D of new products and accelerate the market launch of new technologies." Based



on these measures, the TEDA base has successfully launched several innovative products, including the Otis Gen3TM Elevator, enhancing the company's core competitiveness," she added.

Sally Loh revealed that Otis is actively participating in urban renewal of the Beijing-Tianjin-Hebei region and has undertaken several elevator renovation projects in old urban residential communities, using innovative technologies to improve people's livelihoods.

#### CITIC Financial Leasing: Focus on Green Leasing to Empower the Real Economy

At the conference, the CITIC Financial Leasing project was signed. It will invest in new energy green leasing projects in TEDA through setting up SPV and increasing project investment. "We rely on the leasing advantages of Tianjin to build new energy green leasing projects in Tianjin Binhai New Area, with an estimated investment scale of about 6 billion yuan," said Li Gang, Chairman and Party Secretary of CITIC Financial Leasing Co., Ltd.

Since its settle-down in TEDA ten years ago, CITIC Financial Leasing has set up seven major business sectors with an asset scale of about 100 billion yuan. "Benefiting from TEDA's high-quality business environment, efficient government services, and open and inclusive industrial ecosystem, CITIC Financial Leasing achieved rapid development. We actively respond to Tianjin's manufacturing-centered strategy, driving business development with a dual approach of project companies (SPV) + industrial funds," said Li Gang. According to

him, green leasing is CITIC Financial Leasing's special feature, and the company has developed a comprehensive new energy system integrating wind, solar, water, storage, and hydrogen.

As the only full-licensed financial area in Tianjin and of the few ones in China, TEDA has gathered 158 licensed financial institutions and more than 3,000 financial enterprises, leveraging its manufacturing base and the combined policy advantages as a development zone and free trade zone. It has formed a distinctive industry-finance integrated development model, empowering the development of the real economy from multiple aspects such as industrial chain development, financial service innovation and green finance.

In Li's view, Tianjin Binhai New Area is an ideal destination for investment and business. CITIC Financial Leasing will start this promotion event to expand its partners of industry-finance integration and continuously contribute financial strength to the coordinated development of the Beijing-Tianjin-Hebei region and the high-quality development of Tianjin Binhai New Area.

In the future, TEDA will continue to optimize its industrial ecosystem and business environment, driven by both advanced manufacturing and modern services. It will contribute more to the deepening of the coordinated development of the Beijing-Tianjin-Hebei region, attracting more leading enterprises to come together and create a more internationally competitive industrial highland.

## 天津滨海新区投资合作推介会在京举办 这些龙头企业为何如此青睐泰达？

近日，“投资滨海 共享未来”天津滨海新区投资合作推介会在北京国家会议中心举办。来自京津冀三地的317家重点企业和商协会代表齐聚一堂，深入交流，畅谈合作。

推介会上，长城汽车、奥的斯、中信金租等天津经开区企业家代表受邀发言，纷纷点赞经开区完善的产业生态和优质的营商环境，表达了持续深耕泰达、共谋发展的坚定信心。

#### 长城汽车：天津基地是我们布局全球市场的重要支点

“天津基地聚焦高端整车制造，是我们布局全球市场的重要支点。”长城汽车股份有限公司副总裁许良山在推介会上表示。

长城汽车自2007年与天津经开区签订合作协议以来，便在泰达这片充满活力的土地上开启了蓬勃发展的征程。天津基地作为集团在保定之外的首个整车生产基地，已发展为整车厂、零部件园、物流园、生活区以及

容纳约2万名员工的巨型综合生产基地。截至2024年底，天津基地累计产量达398万辆，产值达4036亿元，成为长城汽车全国布局中的重要力量。

许良山认为，这一成绩的取得离不开天津市政府、滨海新区及天津经开区全方位的支持与助力。他高度评价了经开区得天独厚的区位交通、完备的汽车产业链及丰富的人才资源。

许良山点赞经开区的服务效能。“长城汽车天津曼德项目从第一次提交项目立项备案申请要件，到拿到施工许可证，仅用了27个自然日，其中还包含元旦、春节两个假期，

‘泰达速度’极大地提高了企业的项目推进效率，降低了时间成本。”据悉，这个投资11.53亿元的智能化项目已于2025年2月在天津经开区西区正式启动，将完善汽车照明和热管理系统产业链，进一步提升泰达汽车产业配套能力。

#### 奥的斯：泰达以成熟的产业生态助推企业创新发展

“滨海新区成熟的产业链为奥的斯提供了助力。在这里，上下游企业集聚，形成了完整且高效的产业闭环。我们能够便捷地获取优质的原材料和零部件，大大缩短了供应链长度，降低了生产成本，提高了生产效率。”

奥的斯全球执行副总裁兼大中华区总裁小莉分享了企业在天津的发展成果。1984年，



奥的斯在天津成立首家合资企业进入中国市场，并以天津为发源地持续扩大在中国的投资规模，成为外资企业在中国发展的典范。如今，位于天津经开区的奥的斯泰达基地已成为该公司全球最大的电梯制造基地、全球最大的曳引机工厂及高速梯全球唯一产地。

“依托泰达生产基地，奥的斯的产品在下游广泛服务于京津冀各地客户。紧密的产业协作促使我们与上下游企业共同开展技术研发和创新，推动整个电梯产业的升级。”罗小莉说。

多年来，天津经开区坚持“科技兴区”战略，出台一系列促进高新技术产业发展的政策和措施，创新驱动能力稳步提升。罗小莉表示，“滨海新区浓郁的创新氛围也深深感染着奥的斯。在这里，创新是企业发展的核心驱动力。”奥的斯充分利用这一优势，加大研发投入，在泰达设立了奥的斯北方研发中心，将研发贴近制造，以推进新产品开发、推动新技术更快投放市场。“在此基础上，泰达基地成功推出了奥的斯 Gen3 智慧电梯等多款具有创新性的产品，提升了企业的核心竞争力。”

罗小莉透露，奥的斯正积极参与京津冀城市更新行动，已承接多个老旧小区电梯改造项目，以创新技术助力民生改善。

#### 中信金租：聚焦绿色租赁 赋能实体经济

在本次推介会上，中信金租项目签约落地，将在天津经开区通过新设 SPV、新增项目投资等多种方式投资新能源绿色租赁项目。“我们这次依托天津租赁优势，在滨海

新区打造新能源绿色租赁项目，预计投资规模约 60 亿元。”中信金融租赁有限公司董事长、党委书记李刚说。

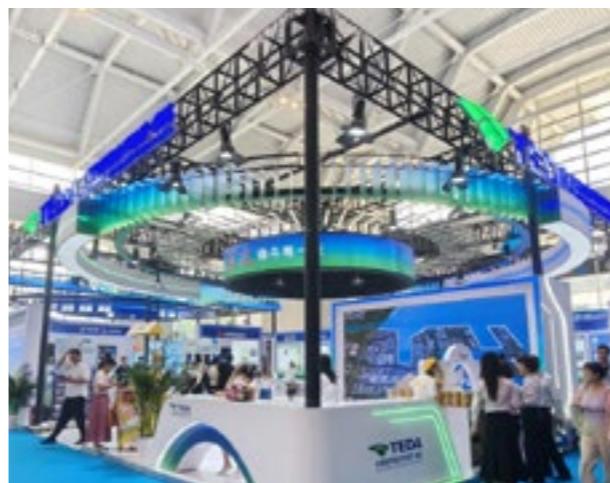
扎根天津经开区十年来，中信金租已构建七大业务板块，资产规模近千亿元。“受益于天津经开区优质的营商环境、高效的服务以及开放包容的产业生态，中信金租得以快速发展。我们积极响应天津‘制造业立市’战略号召，以项目公司（SPV）+ 产业基金双轮驱动业务发展。”据李刚介绍，绿色租赁是中信金租的特色名片，公司已形成“风、光、水、储、氢”五位一体的新能源体系。

作为天津唯一且国内少数的金融全牌照区域，泰达依托制造业基础以及“自贸区+开发区”政策叠加优势，已集聚 158 家持牌金融机构和 3000 余家金融类企业，并形成特色鲜明的“产业+金融”融合发展模式，从产业链发展、金融服务创新、绿色金融等多个方面赋能实体经济发展。

在李刚看来，滨海新区是投资兴业的热土，中信金租将以此次推介会为新起点，拓展产融“朋友圈”，为京津冀协同发展和滨海新区高质量发展持续贡献金融力量。

未来，天津经开区将在先进制造业和现代服务业双轮驱动下，持续优化产业生态与营商环境，深化京津冀协同发展，吸引更多龙头企业集聚，打造更具国际竞争力的产业高地。

## A Closer Look at 2025 Tianjin International Shipping Industry Expo -- Why TEDA Draws Global Attention?



On June 12, 2025, the 3rd Tianjin International Shipping Industry Expo grandly opened at the National Convention & Exhibition Center (Tianjin). This is the most influential shipping industry event in North China, attracting 445 companies from around the world, with an exhibition area of 51,000 square meters. TEDA organized 17 key local enterprises to be present at the TEDA exhibition area, showcasing the solid strength of TEDA-made smart manufacturing from high-end offshore engineering equipment to intelligent logistics systems, and from underwater robots to clean energy. Who are these industry leaders? How are their innovative products leading the market? Let's find out!

### Auto and High-end Equipments Industry

Tianjin GS Battery Co., Ltd.

Affiliated to the GS YUASA Group from Japan, Tianjin GS Battery Co.,

Ltd. is a core supplier to world-famous automobile manufacturers, boasting three major brands of GS battery, TONGLI battery and TONGYEE battery. At this exhibition, Tianjin GS Battery displayed a series of high-performance battery products specially designed for marine applications.

Tianjin Launch Century Automotive Technology Co., Ltd.

Tianjin Launch Century Automotive Technology Co., Ltd. is a high-tech enterprise specializing in the R&D and consulting services of complete vehicles. The company exhibited agricultural protection drones with modular design and large-capacity lithium batteries, which can be widely applied in agricultural and forestry protection areas. Its unmanned charging vehicles are equipped with integrated power storage and charging mobile ultra-fast charging technology, making car charging as convenient as charging for mobile phones.

AheadX Tech (Tianjin) Co., Ltd.

AheadX Tech (Tianjin) Co., Ltd. showcased innovative products such as the MR413A all-function small multi-rotor unmanned aircraft and the QP530A new-generation small hybrid-wing reconnaissance drone. This leading enterprise in intelligent robot system solutions has built a full industrial chain integrating R&D design, intelligent manufacturing,

and sales services, forming a product series of drones, unmanned boats, and airborne avionics.

Tianjin Hongsheng Science and Technology Co., Ltd.

Tianjin Hongsheng Science and Technology Co., Ltd. exhibited two intelligent rescue equipment: the water emergency rescue robot and the hexacopter drone. The company focuses on the independent R&D, production, and sales of marine oil spill emergency equipment and unmanned intelligent equipment, and has a complete training system.

Deepinfar Ocean Technology Inc.

Deepinfar Ocean Technology Inc. is China's leading underwater technology company, boasting breakthroughs in underwater integrated technology, underwater power propulsion, underwater system control, and underwater navigation positioning. At this exhibition, Deepinfar Ocean Technology showcased its Hetun Series ROVs, which is known for strong underwater operation capabilities. With a maximum diving depth of 300 meters, it can be applied in fields such as hydraulic engineering, traffic and transportation, and environment monitoring.

The New Energy and High-Performance Manufacturing Laboratory of the School of Mechanical Engineering (SME), Beijing Institute of Technology (BIT)

Jointly built with the Tianjin Binhai-Zhongguancun Science Park and the School of Mechanical Engineering (SME) under Beijing Institute of Technology (BIT), the New Energy and High-Performance



Manufacturing Laboratory of SME, BIT focuses on five cutting-edge scientific research projects, including the ultra-large-scale metal lattice multi-arc parallel additive 3D printing technology and equipment project (which is planned for the world's largest 3D printer).

Tianjin Desail International Offshore Engineering Co., Ltd.

At this exhibition, Tianjin Desail International Offshore Engineering created an eye-catching Marine Technology Matrix -- displaying models of intelligent polar ice-breaking transport hovercrafts and related marine cultural tourism products. It has formed a full industrial chain of marine engineering platforms and high-performance marine vessels, with products sold in over 40 countries worldwide.

**Next-Gen Information Technology Industry**

Beidou Satcom Norinco Co., Ltd.

Invested by China North Industries Group Corporation Limited, Beidou Satcom Norinco Co., Ltd. is a national professional carrier focusing on the application services of BDS. It mainly showcased three core products: the

BDS-3 short message communication module series, portable Beidou communication positioning terminal, and intelligent cabin operation systems, fully demonstrating the company's technical strength and industrial application in BDS communication.

**New Chemical Materials Industry**

PPG Coatings (Tianjin) Co., Ltd.

PPG Coatings (Tianjin) Co., Ltd. vividly demonstrated its revolutionary marine coating products through a comparative demonstration device: the left side using the company's SIGMAGLIDE®2390 marine organic silicone fouling release finish coat remains smooth and clean with unobstructed water flow, while the right side with traditional coatings gets obvious pollution attached. As the first factory invested by PPG Industries Inc. in China, the company is a world-leading supplier of coatings and special materials.

Weiyuan Teide (Tianjin) Clean Energy Co., Ltd.

Weiyuan Teide (Tianjin) Clean Energy Co., Ltd. focuses on the field of ship-specific central air conditioning heat pump systems and seawater-source heat pump systems. The company's innovative R&D of ship-specific heat pump products (model displayed on site) vividly demonstrated its breakthrough in clean energy cycle technology.

Tianjin Hengyang Chemical Logistics Co., Ltd.

Specializing in chemical product storage and logistics services, Tianjin Hengyang Chemical Logistics Co., Ltd. is jointly invested by Jiangyin

Foreversun Chemical Logistics Co., Ltd. and Tianjin TEDA-Nangang Development Group Co., Ltd. Located in the TEDA Nangang Industrial Zone, it runs docks and tank areas.

Baetr Renewable Energy (Tianjin) Co., Ltd.

Baetr Renewable Energy (Tianjin) Co., Ltd. is a solely German-funded enterprise mainly engaged in the production and assembly of wind turbine structural components. It is currently the only manufacturer of wind turbine structural components in Tianjin, with main products as wind turbine structural components like the full-chain products and technical solutions.

**Healthcare Industry**

Reach Surgical (Tianjin) Co., Ltd.

Reach Surgical (Tianjin) Co., Ltd. brought its star products -- REACH. As a leading company in minimally invasive surgery instruments, Reach Surgical has an over 21,000-square-meter intelligent manufacturing center and a class-100,000 clean room. Its products cover four major series: open staplers, endoscopic cutter staplers, ultrasonic energy systems, and electro-surgical energy systems. Its independently developed ENDO III series endoscopic stapler is the first domestic brand in such area to enter the European market.

Master Kong

The Master Kong exhibition area was very popular, with star products such as Xiangxian Q noodles, Yu Pin Sheng Yan instant noodles, and 9.0 electrolytic alkaline water all appearing, attracting many visitors to stop and taste. This well-known brand

has established several enterprises in TEDA, forming a complete production system from raw materials to end products. It is also a comprehensive food group covering multiple categories such as beverages and pastries.

CoreSense (Tianjin) Ecological Agriculture Technology Co., Ltd.

CoreSense (Tianjin) Ecological Agriculture Technology Co., Ltd. showcased its high-quality mini tomatoes cultivated from its own farm. It owns independent chip technology and core algorithms. The company fully integrates next-generation information technologies such as the Internet of Things, big data cloud computing, and artificial intelligence to build a complete smart agriculture solution system.

#### Modern Services Industry

TEDA Modern Service District  
Shipping Base & Yuxiang International  
Shipping Building

The TEDA MSD Shipping Base gathers a number of strong shipping enterprises such as Tianjin Port Second Container Terminal Co., Ltd., Tianjin CIMC Logistics Equipment Co., Ltd., Zhenhua Logistics Group, Pipe China, National Energy Group Coal Coking Co., Ltd., Minmetals Logistics Group, Tianjin Freight Co., Ltd., Sinotrans Limited, as well as a number of well-known international classification societies such as DNV and ClassNK. At present, shipping and port service projects account for nearly 30% of all tenants of the Base.

Located in the Yujiapu Financial District of TEDA, the Yuxiang International Shipping Building focuses on high-end shipping services such

as judicial services, international exchanges, inspection and testing, and shipping finance, introducing a number of service organizations such as the Public Credit Legal Strategic Cooperation Alliance, Tianjin Leasing Asset Trading Center Co., Ltd. It also accommodates enterprises such as Aerial Survey Engineering (Tianjin) Co., Ltd, Jintou Futures, BMYG Financial Group, and Tianjin Bohai Fine Chemicals Co., Ltd., which are highly relevant to the port industry.

Tianjin COSCO Shipping Taigang Chemical Logistics Co., Ltd.

As a subsidiary of China COSCO Shipping Corporation Limited, Tianjin COSCO Shipping Taigang Chemical Logistics Co., Ltd. focuses on comprehensive chemical logistics services, covering areas like warehousing, forwarding agent and supply chain management. The company is striving to build the Tianjin Nangang Intelligent Logistics Comprehensive Service Center for Hazardous Chemicals to serve the collection and distribution of chemical products in North China.

If the eye-catching technologies brought about by the above enterprises interest you, please come to TEDA. In the future, TEDA will continue to release the magnetic effect of its industrial clusters, promote the shipping industry towards a smarter, greener and more globalized direction, and help Tianjin to become a world-class shipping hub.

## 聚焦2025天津国际航运产业博览会 泰达何以吸引全球目光？

2025年6月12日至6月14日，第三届天津国际航运产业博览会在国家会展中心（天津）举行。这个华北地区最具影响力的航运产业盛会，吸引全球445家企业参展参会，展览面积达5.1万平方米。天津经开区组织区内17家重点企业组团亮相泰达展区，从高端海工装备到智能物流系统，从水下机器人到清洁能源，全方位展示“泰达智造”的硬核实力。这些行业翘楚都有谁？他们的创新产品如何领跑市场？让我们一探究竟！

### 汽车及高端装备产业

天津杰士电池有限公司

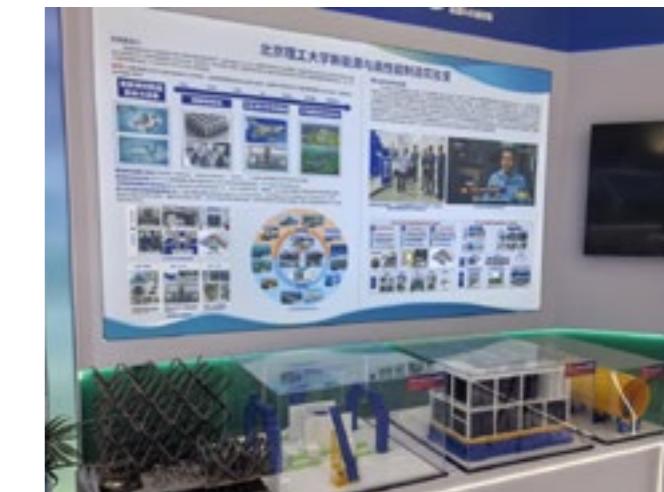
天津杰士电池有限公司隶属于日本GS YUASA集团，是全球知名汽车厂商的核心配套商，拥有GS电池、统力电池、统一电池三大品牌。本次展会，杰士重点展示了专为船舶应用研发的系列高性能电池产品。

天津龙创世纪汽车设计有限公司

天津龙创世纪汽车设计有限公司是专业从事汽车整车研发与咨询服务的高新技术企业。公司此次参展的植保无人机采用模块化设计和大容量锂电池，可广泛应用于农林植保领域；无人充电车则采用储充一体移动超充技术，让汽车充电如手机般便捷。

致导创新（天津）科技有限公司

致导科技携MR413A全功能小型多旋翼无人机、QP530A新一代小型混合翼无人侦察机等创新产品惊艳亮相。这家智能机器人系统解决方案领军企业，构建起集研发设计、



智能制造、销售服务于一体的全产业链布局，形成了无人机、无人艇、机载航电产品体系。

天津弘盛科技有限公司

天津弘盛科技展出水上应急救援机器人、六旋翼无人机两款智能救援装备。该公司专注于海上溢油应急设备、无人智能装备等产品的自主研发、生产与销售，且具有完备的培训版块。

深之蓝海洋科技股份有限公司

深之蓝海洋科技股份有限公司是国内水下机器人行业引领者，在水下总体集成、水下动力推进、水下系统控制、水下导航定位等技术领域实现了突破。此次展会中，深之蓝展示了河豚系列产品。该系列产品具备强大的深海作业能力，最大下潜深度可达300米，应用于水利工程、交通运输工程及环境监测等领域。

北京理工大学机械与车辆学院新能源与高性能制造实验室

北京理工大学机械与车辆学院新能源与



高性能制造实验室由天津滨海—中关村科技园与北京理工大学机械与车辆学院合作共建，重点布局超大规模金属点阵结构多弧并行3D打印技术与装备项目（将建成全球最大的3D打印机）等五大前沿科研项目。

天津德赛国际海洋工程有限公司

本次展会，天津德赛打造了一个令人瞩目的“海洋科技方阵”，展出了智能极地破冰运输气垫船以及相关海上文旅产品等模型。天津德赛已经在海洋工程平台及高性能船领域形成了全产业链运营，产品遍及全球40多个国家。

#### 新一代信息技术产业

中兵北斗卫星通信有限公司

中兵北斗卫星通信有限公司是中国兵器工业集团投资成立的北斗卫星应用服务的国家级专业运营公司，重点展出北斗三号短报文通信模组系列产品、便携式北斗终端、智能方舱作业系统三大核心产品，全面展示了公司在北斗卫星通信领域的技术实力和产业化应用。

#### 化工新材料产业



PPG涂料（天津）有限公司

PPG涂料（天津）有限公司通过对比演示装置生动展示其革命性船舶涂料解决方案：左侧采用该公司SIGMAGLIDE®2390船舶有机硅防污漆的演示面始终保持着光滑干净，水流顺畅无阻；而右侧传统涂层表面已明显出现污染物附着。PPG涂料（天津）有限公司是世界领先的涂料和特殊材料供应商——PPG工业公司在华投资的第一家工厂。

维源泰德（天津）清洁能源有限公司

维源泰德（天津）清洁能源有限公司聚焦船舶专用中央空调热泵系统和海水源热泵系统领域。公司创新研发的船舶专用热泵产品（现场为模型）生动展示了其突破性的清洁能源循环技术。

天津恒阳化工储运有限公司

天津恒阳化工储运有限公司是专业从事化工产品仓储与物流服务的企业，由江阴恒阳化工储运有限公司与天津经济技术开发区南港发展集团有限公司共同出资组建，位于天津经开区南港工业区，项目包括码

头和罐区。

博途新能源（天津）有限公司

博途新能源（天津）有限公司是一家以生产、装配风力发电机结构件为主的德国独资企业，也是目前天津市唯一风力发电机结构件制造商，主要产品为风力发电机结构件全链条产品和技术方案。

#### 医药健康产业

天津瑞奇外科器械股份有限公司

瑞奇外科带来了睿志等明星产品。作为微创外科器械领军企业，瑞奇外科拥有超2.1万平方米智能化制造中心和10万级洁净间等先进设施，产品覆盖开放吻合器、腔镜吻合器、超声能量系统和电刀能量系统等四大系列。其自主研发的ENDO III系列腔镜吻合器是国内首个进入欧洲市场的国内品牌。

康师傅

康师傅展区人气爆棚，相鲜Q面、御品盛宴方便面、9.0电解碱性水等明星产品悉数亮相，吸引众多参观者驻足品尝。这个家喻户晓的品牌在天津经开区设立了多家企业，形成了从原料到成品的完整生产体系，是涵盖饮品、糕饼等多品类的综合性食品集团。

科芯（天津）生态农业科技有限公司

科芯（天津）生态农业科技有限公司现场展示了其农场培育的优质小番茄。科芯拥有独立自主的芯片技术及核心算法，公司充分整合物联网、大数据云计算、人工智能等新一代信息技术，构建起完整的智慧农业解决方案体系。

#### 现代服务业

泰达MSD航运基地、于响国际航运大厦

泰达MSD航运基地汇集天津港第二集装箱码头、中集物流、振华物流、国家管网、国能焦煤、五矿货运、中外运等一批实力雄厚的航运经济企业，以及挪威船级社、日本船级社等一批国际知名船级社。目前航运及适港服务项目已占写字楼所有入驻项目的近30%。

于响国际航运大厦位于天津经开区于家堡金融区，聚焦司法服务、国际交流、检验检测、航运金融等高端航运服务，引入公信法律战略合作联盟、天津租赁资产交易中心等多家服务机构，以及航测工程公司、津投期货、博满澳财金融集团、渤海精细化工等与港口产业相契合的企业。

天津中远海运泰港化工物流有限公司

天津中远海运泰港化工物流有限公司是中国远洋海运集团旗下企业，专注化工物流综合服务，业务覆盖仓储、运输代理、供应链管理等领域。公司正着力打造天津南港危化品智慧物流综合服务中心，以服务华北化工品集疏运。

如果上述参展企业带来的硬核科技令您驻足，那么请您走进泰达，关注泰达。未来，泰达将持续释放产业集群的磁聚效应，推动航运产业向智能化、绿色化、国际化迈进，助力天津打造世界级航运枢纽！

## Multinational Giants Gather in Tianjin, Davos Strategic Partners Shine in TEDA

From June 24 to 26, the 2025 Summer Davos Forum was held in Tianjin. Themed as "Entrepreneurship in the New Era", it brought about over 1,800 political, business, and academic elites from over 90 countries and regions. As the best development zone in North China, TEDA is known as an ideal investment destination among global business leaders, having attracted numerous WEF strategic partners over the years. These giants covers areas such as automotive and high-end equipment, next-gen information technology, chemical and new materials, pharmaceutical & health, and modern services, contributing to the continuous optimization and upgrading of the region's industries. Now let's take a closer look at these WEF strategic partners to explore how they and TEDA empower each other and grow hand in hand.

### Auto and High-End Equipments Industry

#### Volkswagen Group

Volkswagen Group, the global automotive leader, has set up multiple heavyweight projects in TEDA, including Volkswagen Automatic Transmission Tianjin, FAW-Volkswagen North China Production Base, and Volkswagen (China) Technology Co., Ltd. Tianjin Branch, forming a full-industrial-chain ecosystem of R&D, manufacturing, and sales, and significantly boosting the automotive industry development in Tianjin. As one of TEDA's flagship automotive

OEMs, FAW-Volkswagen has been consistently stepping up its New Energy Vehicle (NEV) presence in recent years, with an additional investment exceeding 2.3 billion yuan in 2024 to introduce three new SUV models (including two NEVs). In June 2025, the two sides signed a memorandum of cooperation for more NEV models, under which FAW-Volkswagen will commence production of two new NEV models at its Tianjin branch by 2027, shaping production lines for both ICEs and NEVs.

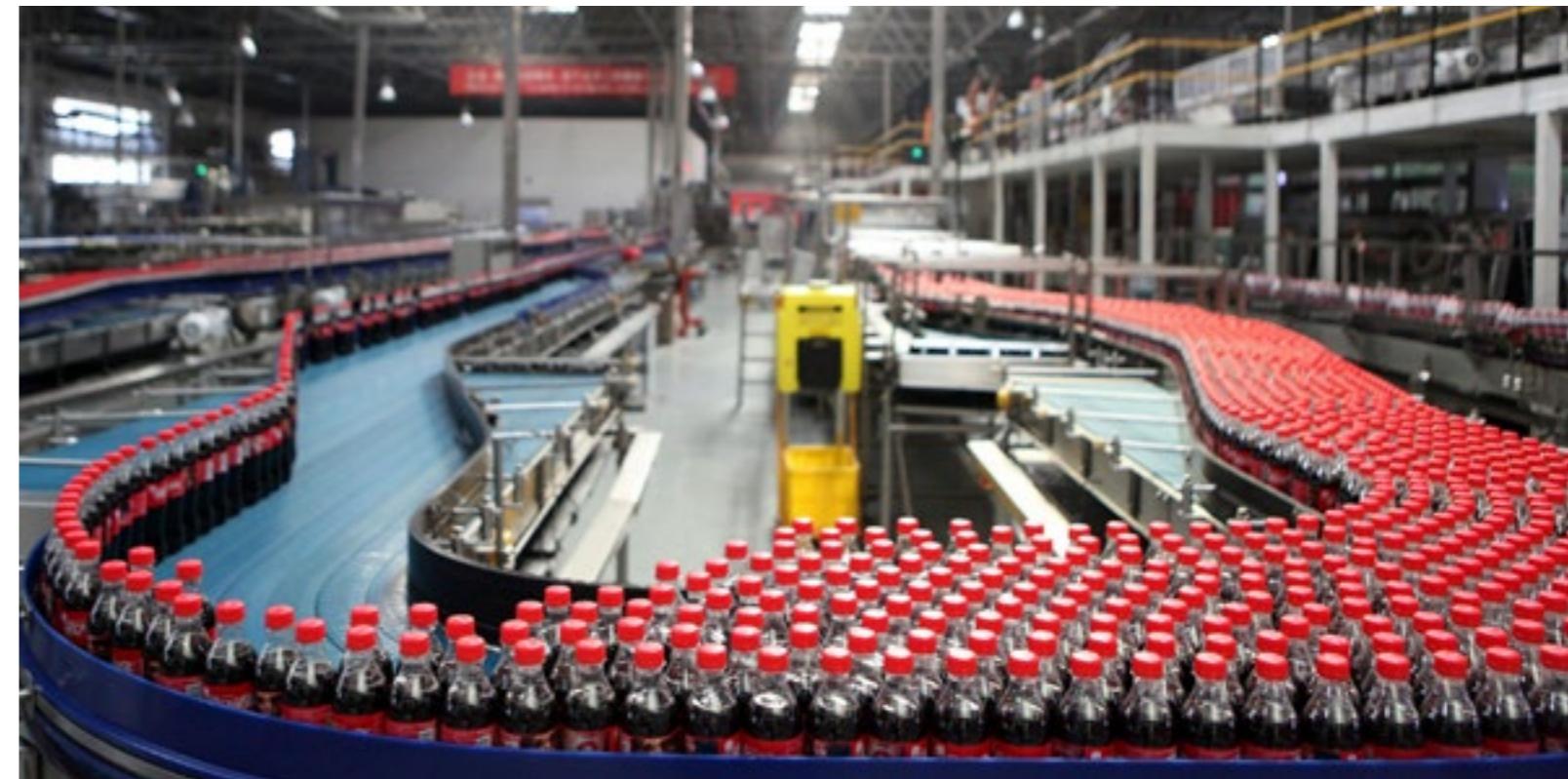
### Next-gen Information Technology Industry

#### Honeywell

Honeywell, a global leader in industrial technology and automation, operates two subsidiaries in TEDA. Honeywell (Tianjin) Co., Ltd., its largest production base in Northern China under Honeywell Smart Industrial Technology Group, primarily specializing in the design, development, and manufacturing of industrial control products and systems, along with EPC project management, after-sales services, and other services. Honeywell Environmental and Combustion Controls (Tianjin) Co., Ltd. serves as the largest R&D center in China for the Building Automation Division of Honeywell Smart Building Technology Group.

#### Schneider Electric

Headquartered in France,



Schneider Electric, a global leader in digital transformation for energy management and automation, provides full-life-cycle digital solutions for the life sciences industry, covering consulting, design, construction, operation, and maintenance. In TEDA, it operates Schneider Merlin Gerin Low Voltage (Tianjin) Co., Ltd. In 2022, Schneider Intelligent Manufacturing Innovation Center was officially inaugurated in TEDA.

### New Chemical Materials Industry

#### BP (British Petroleum)

BP is one of the world's leading oil and gas companies. In 2018, BP invested approximately 1.5 billion yuan for a new lubricant blending plant in TEDA Nangang Industrial Zone, marking its largest single investment in lubricant blending facilities globally at that time. The facility mainly focuses on the production of automotive, industrial, marine, and aviation lubricants and greases.

#### SABIC (Saudi Basic Industries Corporation)

In 2009, China Petroleum & Chemical Corporation (Sinopec) and SABIC set up a strategic partnership to establish SINOPEC SABIC Tianjin Petrochemical Co., Ltd., specializing in the production, sales, and R&D of ethylene and its derivative products. On August 31, 2023, SSTPC's 260,000-ton/year polycarbonate project commenced commercial operations in TEDA Nangang Industrial Zone, building on the success of the earlier 1-million-ton ethylene project in their joint venture cooperation.

### Healthcare Industry

#### Novo Nordisk

Tianjin serves as Novo Nordisk's starting point in China. Since the establishment of Novo Nordisk (China) Pharmaceuticals Co., Ltd. in TEDA in 1994, this global biopharmaceutical leader has been steadily expanding

its investments and capabilities in TEDA. In 2023, it invested 1.18 billion yuan to launch an expansion project for its finished product workshop, followed by another 4-billion-yuan investment in 2024 for the expansion project of sterile preparations at its Tianjin production plant. Currently, the Tianjin production plant has become one of Novo Nordisk's strategic manufacturing bases, playing a vital role in its global supply chain.

#### Nestlé

Nestlé, the global food industry giant, a pioneer among foreign investors in TEDA, has established a comprehensive industrial network in the area, including two factories, one quality assurance center, one product innovation center, and one sales branch, with its product categories covering core Nestlé businesses such as ice cream, cocoa products, confectionery, plant-based foods, and pet food.

#### The Coca-Cola Company

The Coca-Cola Company, a household name, offers over 200 beverage brands across more than 200 countries and regions worldwide. Tianjin Coca-Cola Beverages Co., Ltd., established in TEDA in 1993, was renamed as COFCO Coca-Cola Beverages (Tianjin) Co., Ltd. in 2018 and serves as a key beverage production base in TEDA, mainly engaged in the production of over 20 carbonated and juice beverages including Coca-Cola, Sprite, and Fanta.

#### Modern Services Industry

##### Standard Chartered Bank

Standard Chartered Global Business Services Ltd., a wholly-owned

subsidiary of Standard Chartered Bank, was established in TEDA in 2007. With over 2,000 employees, it provides comprehensive support for the bank's operational business in Asia and the Group's global technology development initiatives.

##### Hanwha Group

Hanwha Group ranks among South Korea's top 10 consortia, with core businesses spanning aerospace, energy materials, finance, and distribution services. As a wholly-owned subsidiary of Hanwha Asset Management under Hanwha Group, Hanwha Investment Management (Tianjin) Co., Ltd. obtained registration and filing approval from the Asset Management Association of China (AMAC) as a private securities fund manager in October 2020. It officially commenced operations in TEDA, becoming Tianjin's first and also Northern China's first foreign-funded private securities fund institution.

##### Wipro Limited

Wipro Limited is a global leader in technology services and consulting, headquartered in India with operations across 65 countries. On June 23, 2025, the signing ceremony for Wipro's Tianjin Software and IT Service Center project was held in TEDA. As Wipro's maiden investment in Tianjin, this Tianjin Delivery Center will provide premium software and IT services to enterprises in Northern China, particularly Tianjin, while fostering in-depth collaboration with world-renowned consulting firms, banks, software companies, and manufacturing enterprises.

From early-bird foreign investors like Nestlé to newcomers like Wipro,

from advanced manufacturing enterprises to modern service providers, these Davos strategic partners all have strong and sustained commitment to TEDA, which fully demonstrated their high recognition of TEDA's growth potential. Seizing the opportunities presented by the 2025 Summer Davos Forum, TEDA will continuously optimize its business environment, support corporate innovation, and deepen cooperation with more high-quality global enterprises—including Davos strategic partners—to foster an industrial powerhouse characterized by greater innovation vitality and international competitiveness.

## 跨国巨头齐聚津门 这些达沃斯战略合作伙伴在泰达有布局



6月24日至6月26日，2025夏季达沃斯论坛在天津举办。本届论坛以“新时代企业家精神”为主题，汇聚来自90多个国家和地区的1800余名政商学界精英。作为中国北方最好的开发区，天津经开区深受全球投资者的青睐，吸引了众多达沃斯战略合作伙伴在此落地发展，涉及汽车及高端装备、新一代信息技术、化工新材料、医药健康、现代服务业等多个领域，推动区域产业不断优化升级。让我们聚焦这些达沃斯战略合作伙伴，看看它们与天津经开区是如何相互赋能、共同成长的。

### 汽车及高端装备产业

#### 大众汽车集团

全球汽车行业巨头大众汽车集团在天津经开区布局多个核心项目，包括大众变速器、一汽-大众整车厂以及大众汽车（中国）科技有限公司天津分公司研发机构等，形成覆盖研发、制造、销售的全产业链生态，有力地带动了天津汽车产业发展。作为经开区整车龙头之一，一汽-大众近年来持续强化新

能源领域布局，2024年新增投资超23亿元导入三款SUV车型（含两款新能源车型）；2025年6月，双方签署新能源车型项目合作备忘录，一汽-大众将于2027年在天津分公司投产两款全新新能源车型，打造“油电共线”的全产品结构生产基地。

### 新一代信息技术产业

#### 霍尼韦尔

霍尼韦尔是全球工业技术及自动化领域的领军企业之一，在天津经开区设有两家公司。其中，霍尼韦尔（天津）有限公司是霍尼韦尔智能工业科技集团在我国北方最大的生产基地，主要从事工业控制领域产品和系统的设计、开发、制造以及系统总包施工管



理、售后及其他服务；霍尼环境自控产品（天津）有限公司系霍尼韦尔智能建筑科技集团楼宇自控事业部在中国最大的研发中心。

#### 施耐德电气

作为全球能源管理和自动化领域数字化转型领导者，施耐德电气总部位于法国，为生命科学行业提供涵盖咨询服务、设计、建设、运营及维护的全生命周期数字化解决方案。

案。施耐德电气在经开区设有施耐德梅兰日兰低压（天津）有限公司。2022年，施耐德智能制造创新中心在泰达正式落成。

### 化工新材料产业

#### 英国石油公司

英国石油公司是世界领先的石油和天然气企业之一。2018年，英国石油公司投资约15亿元在天津经开区南港工业区建设全新的润滑油调配厂，这也是英国石油公司当时全球单笔最大的润滑油调配厂投资。该项目主要生产车用、工业、航海、航空用润滑油和润滑脂等产品。

#### 沙特基础工业公司

2009年，中国石油化工股份有限公司和沙特基础工业投资公司强强联合，共同出资设立中沙（天津）石化有限公司，该公司主要从事乙烯及其衍生物的生产、销售和研发。2023年8月31日，中沙石化26万吨/年聚碳酸酯项目在天津经开区南港工业区投入商业运营。这是继百万吨乙烯项目之后，双方合资合作的又一硕果。

### 医药健康产业

#### 诺和诺德

天津是诺和诺德在中国的出发地。自



1994年在天津经开区注册成立诺和诺德（中国）制药有限公司以来，这家全球领先的生物制药公司在泰达持续增资扩能，2023年投资11.8亿元启动成品车间扩建项目，2024年再投资约40亿元启动天津生产厂无菌制剂扩建项目。目前，天津生产厂已成为诺和诺德的战略性生产基地之一，在全球供应链中发挥着重要作用。

#### 雀巢

全球食品行业巨头雀巢是天津经开区最早的外资投资者之一。目前，雀巢已在经开区形成完善的产业布局，拥有2家工厂、1个质量保证中心、1个产品创新中心、1个销售分公司，产品品类涵盖冰淇淋、可可制品、糖果、植物基和宠物食品等雀巢核心业务。

#### 可口可乐公司

家喻户晓的可口可乐公司，为全球200多个国家和地区提供200多个饮料品牌。天津可口可乐饮料有限公司于1993年在天津经开区注册成立，2018年更名为中粮可口可乐饮料（天津）有限公司，是经开区重要的饮料生产基地，主要生产可口可乐、雪碧、

芬达等 20 余种碳酸及果汁饮料。

#### 现代服务业

##### 渣打银行

渣打环球商业服务有限公司作为渣打银行全资子公司，于 2007 年在天津经开区成立，目前拥有 2000 多名员工，全面支持亚洲的银行运营业务以及渣打集团全球范围内的技术开发工作。

##### 韩华集团

韩华集团为韩国十大财团之一，主要业务涉及航空航天、能源材料、金融、流通服务等领域。作为韩华集团旗下韩华资产运用公司全资子公司，韩华投资管理有限公司于 2020 年 10 月获取中国证券投资基金业协会私募证券基金管理人资质的登记备案，正式在天津经开区启动运营，成为天津市首家、也是北方地区首家外资私募证券基金机构。

##### 维布络集团

维布络集团是全球领先的技术服务和咨询公司，总部位于印度，在全球 65 个国家建有公司。2025 年 6 月 23 日，维布络集团天津软件和信息技术服务中心项目签约仪式在天津经开区举行。作为维布络集团在天津的首次投资，天津交付中心将为华北地区特别是天津的企业提供优质的软件和信息技术服务，并与世界知名的咨询公司、银行、软件企业、制造企业开展深入合作。

从早期的外资投资者雀巢到新近落地的维布络集团，从先进制造业企业到现代服务业公司，这些达沃斯战略合作伙伴的持续投入充分彰显了对天津经开区发展潜力的高度认可。以 2025 夏季达沃斯论坛为契机，天

津经开区将持续优化营商环境，支持企业创新，与更多包括达沃斯战略合作伙伴在内的全球优质企业深化合作，打造更具创新活力和国际竞争力的产业高地。

## The 2025 International Forum (TEDA) on Chinese Automotive Industry Development to Kick Off Soon

The 21st International Forum (TEDA) on Chinese Automotive Industry Development will be held from September 11 to 14, 2025, in Tianjin Economic-Technological Development Area (TEDA). Under the theme of "New Momentum, New Chapter, Global Reach", this year's forum will position itself as a high-end think tank event, bringing together expertise from the automotive industry and beyond. It will facilitate in-depth discussions on key factors influencing industrial development, such as policy directions, strategic planning, and forward-looking technology trends, to jointly outline a vision for high-quality growth in the automotive sector.

### TEDA Automotive Forum: Enhancing Quality and Expanding Capacity to Build a High-End Think Tank Platform

After two decades of development and innovation, the TEDA Automotive Forum has become a premier exchange platform that brings together industry think tank experts, releases insights and recommendations, and showcases intellectual achievements. It is hailed as the "Davos of the automotive industry," consistently setting trends and leading the sector. In 2025, the forum will introduce new highlights in four key areas: promoting cross-industry integration and innovation, enhancing content quality, building government-enterprise dialogue platforms, and facilitating discussions on cutting-edge fields. Guided by the principles of "foresight, leadership, and effectiveness" in topic selection, the forum will feature 18 themed sessions with diverse and substantial content,



aiming to create a high-end think tank platform of superior quality and greater practical impact.

#### Upgrading Organizational Structure to Anchor Deep and Broad Trend of Multi-Industry Integration

Building on existing collaborations in power batteries, big data, and information and communications, this year's forum will invite influential industry organizations and leading companies in energy, artificial intelligence, and other fields to serve as co-organizers and ecosystem partners, jointly promoting cross-industry integrated innovation.

#### Improving Content Quality to Strengthen Think Tank Output

To better make the intellectual achievements of all parties widely known and support government decision-making, industrial development, and enterprise growth, the forum's organizing committee will release the think tank report during the ecology session and themed session, delivering the achievements with high frequency and from multiple perspectives.

#### Creating a New Government-Enterprise Dialogue Model to Facilitate Policy Implementation and Industrial Development

The forum will hold a high-end closed-door think tank meeting, soliciting opinions on the topics from government departments before the event. During the event, it will build a dialogue platform for enterprises sharing feedback on policy implementation and their needs, so as to make formulate the policies in a more targeted way, respond to the requests of enterprises and

have a clear direction for industrial development. Additionally, the opening ceremony and closed-door sessions will extend invitations to newly established government departments related to the automotive sector, promoting the communication of policies in emerging fields and the feedback of enterprise requests.

#### Expanding Invitations to High-Profile Speakers in Emerging Fields to Guide Forward-Looking Industrial Planning

To respond to development and reforms in the automotive industry, such as technological innovation and globalization, the forum will invite academicians, industry experts, and senior executives in such fields as solid-state batteries, artificial intelligence, humanoid robots, low-altitude economy, and resource recycling to gain insights into cutting-edge technological trends. Furthermore, by setting the new sessions of high-end and global topics, it will lead the industry in accelerating technological and industrial planning.

#### Charting the Strategic Layout for the 15th Five-Year Plan and Embarking on a New Chapter of Development

As a barometer for the development of the automotive industry, this year's forum will bring together government departments, industry elites, and senior corporate executives through four high-level dialogues, including the opening ceremony, two summit sessions, and closed-door high-end think tank meetings. The forum will target at the roadmap during the period of the 15th Five-Year Plan to convey policy orientations and assess development directions.

### Focusing on New Technology Applications and Ecosystem Development to Inject New Momentum into Industry Growth

The forum will feature six specialized sessions across three major themes, inviting technical experts and corporate executives to share insights on the new industrial ecosystem, covering topics such as the low-altitude economy, digital technology, vehicle-network integration, dual-carbon goals, and artificial intelligence.

#### Towards a Green, Intelligent and High-end Industrial Transformation and Global Expansion

This year's forum will host multiple thematic sessions to discuss new pathways for the green, intelligent, high-end, and global development of the automotive industry. In particular, two globalization-focused sessions will delve into global automotive industry trends, policy movements in various countries, and the opportunities and challenges in market expansion, providing valuable references for Chinese automotive companies going global.

#### TEDA: Fostering a Hundred-Billion RMB Automotive Cluster and Strengthening the Foundation for Industrial Development

Tianjin serves as a gateway to international openness in Northern China and a hub of modern industry. Leveraging its port advantages, Tianjin has become a critical hub connecting domestic and international markets. It boasts comprehensive supply chain and serves as a major automotive production base in the country.



TEDA, serving as the hub for Tianjin's automotive industry, has been designated as a National Automotive and Parts Export Base and one of the first National New Industrialization Demonstration Bases (Automotive Industry). Leading automakers such as FAW Toyota, FAW-Volkswagen, Great Wall Motors, and Geely Farizon Commercial Vehicles have established operations here, supported by over 200 parts and service enterprises. In 2024, the output value of TEDA's automotive industry reached RMB 149.89 billion, with vehicle production totaling 693,500 units, accounting for over 85% of Tianjin's total output. The area boasts a comprehensive automotive industrial chain covering vehicle design and development, engines, transmissions, bodies, chassis, interior and exterior trims, and automotive electronics. It is also home to numerous domestic and international R&D institutions, including the China Automotive Technology and Research Center (Tianjin) Automotive Engineering Research Institute, FAW Toyota R&D Center, Schaeffler Tianjin R&D Center, and AVL List Technical Center. In recent years, companies such as Volkswagen Group, Hella

Faway, and Nobo Auto have expanded their R&D operations to TEDA, further driving innovation and development in the automotive industry.

Moreover, Tianjin boasts abundant talent resources, providing a steady supply of professionals for automotive enterprises. As a critical transportation hub, the Tianjin Port significantly reduces the business costs of logistics and time, enabling TEDA to respond swiftly to the domestic market while efficiently expanding its overseas operations. Against the backdrop of the Beijing-Tianjin-Hebei coordinated development strategy, Tianjin's vast automotive consumer market hinterland offers solid support and broad market space for automotive enterprises.

### Two-way Empowerment: Driving the High-Quality Development of China's Automotive Industry

Since its inception in 2005, the International Forum (TEDA) on Chinese Automotive Industry Development has been dedicated to advancing the high-quality development of China's automotive industry. Over the past two decades, the forum has strengthened its role as a think tank, generating extensive outcomes and providing robust intellectual support for the growth of China's automotive sector. As a key hub of the country's automotive industry, TEDA and the forum have empowered each other. The forum injects forward-looking insights and innovative thinking into TEDA's automotive industry, while TEDA offers a practical industrial foundation for the forum. This synergy not only accelerated the rapid development of the local automotive industry in TEDA, but also provided valuable insights for

the transformation and upgrading of China's automotive industry.

As the automotive industry continues its shift toward electrification, intelligence, and connectivity, this collaborative model will deepen further. The forum will continue to leverage TEDA's industrial base to enhance its platform capabilities, while TEDA will use the forum as a bridge to attract cross-industry innovation resources, fostering a more competitive automotive ecosystem. Together, they will contribute to the high-quality development of China's automotive industry.

## 2025 泰达汽车论坛即将启幕



第二十一届中国汽车产业发展（泰达）

国际论坛将于 2025 年 9 月 11 日至 9 月 14 日在天津经开区举办。本届论坛将以“增动能 启新篇 向全球”为主题，以高端智库论坛定位，在更广范围内汇聚汽车产业及跨产业智慧力量，聚焦产业政策取向、战略布局选择、前瞻技术趋势等影响产业发展的关键要素展开深度研讨，共绘汽车产业高质量发展图景。

### 泰达汽车论坛：提质扩容 打造高端智库平台

经过二十年的发展与创新，泰达汽车论坛已成为汇聚行业智库专家、释放智库观点和建议、展示智慧成果的高端交流平台，被誉为汽车行业的“达沃斯”，持续引领产业风向。2025 年，泰达汽车论坛将在推动跨产业融合创新、内容品质深化、政企对话平台搭建、前沿领域研讨四大方面呈现全新亮点，以“前瞻性、引领性、实效性”为议题设置准则，通过 18 场主题鲜明、内容丰富的会议，打造具有更高品质、更高实效的高

端智库平台。

升级组织架构 锚定多产业融合向深、向广趋势

本届论坛将在动力电池、大数据、信息通信等领域合作基础上，邀请能源、人工智能等领域具有重要影响力的行业组织与头部企业作为协办单位与生态合作单位，共同推动跨产业融合创新。

深化内容品质 强化智库成果输出

为更好地传递各方智慧成果，支撑政府决策、服务产业及企业发展，论坛组委会将在生态专场、专题论坛增加智库报告发布环节，高频次、多角度释放智库成果。

打造全新政企对话模式 促进政策落地与产业发展

论坛将通过打造高端智库闭门会，会前面向政府部门调研研讨议题，会中搭建对话平台，促进企业反馈政策落地与诉求，助力政策制定更精准、企业诉求有回应、产业发展有方向；同时开幕大会、闭门会环节增加

汽车相关新设政府部门邀请，推动新领域政策传达与企业诉求反馈。

扩大新领域重量级演讲嘉宾邀请 引领产业前瞻布局

面向当前汽车产业科技创新、全球化发展等发展与改革的命题，论坛一方面增加固态电池、人工智能、人形机器人、低空经济、资源循环等领域院士、行业专家、企业高层的邀请，洞察前沿技术趋势；另一方面将通过全新高端化、全球化专题论坛的设置，引领产业加快技术与产业化布局。

谋划“十五五”战略布局 开启发展新篇章

作为汽车产业发展的风向标，本届泰达汽车论坛将通过开幕大会、两节高层峰会、高端智库闭门会等4场高端对话，汇聚政府部门、行业精英、企业高层等，准确把握“十五五”时期的阶段性要求，传递政策取向、研判发展方向。

聚焦新科技应用、新生态建设 为产业发展注入新动能

论坛将设置3大方向6场生态专场，围

绕低空经济、数字技术、车网融合、双碳与人工智能等议题，邀请技术专家与企业高层共话产业新生态。

探寻绿色化、智能化、高端化、全球化新路径 推动产业转型升级与全球化发展

本届论坛将设置多场专题会议，研讨汽车产业绿色化、智能化、高端化、全球化发展新路径。特别是两场全球化专题会议将重点研讨全球汽车产业发展趋势、各国汽车政策动向、市场开拓的机遇与挑战，为中国汽车企业“走出去”提供参考。

**天津经开区：孕育千亿级汽车产业集群 筑牢产业发展根基**

天津是中国北方对外开放门户和现代化工业中心。依托港口优势，天津成为连接国内外市场的关键枢纽，具有完善的供应链配套服务，是我国重要的汽车生产基地。

天津经开区，作为天津汽车产业的主承载地，先后被评为国家级汽车及零部件出口基地和首批国家新型工业化汽车产业示范基地。一汽丰田、一汽-大众、长城汽车、吉利远程商用车等龙头整车企业扎根于此，

200余家零部件和服务业企业协同发展。2024年，泰达汽车产业产值达1498.9亿元；整车产量69.35万辆，占天津市比重85%以上；形成覆盖整车设计开发、发动机、变速箱、车身、底盘、内外饰、汽车电子等环节的完备的汽车产业链。这里还汇聚了中国汽车工程研究院、一汽丰田研发中心、舍弗勒天津研发中心、李斯特研发中心等多家国内外研发机构，近年来大众集团零部件研发中心、富维海拉、诺博汽车等先后在泰达布局研发业务，推动汽车产业创新发展。

此外，天津拥有充足的人才资源，能为汽车企业提供源源不断的人才供给。天津港作为重要的交通枢纽，大幅降低了企业物流与时间成本，使泰达既能敏捷响应国内市场，又能高效拓展海外业务。在京津冀协同发展战略背景下，天津所处的巨大汽车消费市场腹地，更为汽车企业提供了坚实支撑与广阔的市场空间。

**双向赋能 推动中国汽车产业高质量发展**

自2005年创办以来，泰达汽车论坛始终致力于推动中国汽车产业高质量发展。历经二十年发展，论坛智库功能持续增强，成果输出丰富，为我国汽车产业提供强有力的知识支持。作为我国汽车产业重镇，天津经开区与泰达汽车论坛相互赋能：论坛为经开区汽车产业注入前瞻理念与创新思路，经开区则为论坛提供产业实践土壤，不仅有效促进了泰达本地汽车产业的快速发展，也为中国汽车产业的转型升级提供了宝贵经验。

随着汽车产业“电动化、智能化、网联化”

转型深入推进，这一模式将持续深化，泰达汽车论坛将继续依托经开区的产业基础，持续提升平台能级；经开区则以论坛为纽带，吸引更多跨产业创新资源落地，构建更具竞争力的汽车产业生态，共同助推中国汽车高质量发展。



## 2025 International Forum (TEDA) on Chinese Automotive Industry Development Releases Think Tank Consensus, Outlining Four Major Directions for the Automotive Industry

Recently, the 2025 International Forum (TEDA) on Chinese Automotive Industry Development released the think tank consensus from its thematic forums, including the New Initiative for Green Transformation Consensus, the Intelligent Upgrade Consensus, the New Strength for High-End Development Consensus, and the Globalized New Market Consensus.

### Greening: Advancing the Green Energy Transition in the Automotive Industry Through Multiple Technological Pathways

Firstly, the industry shall focus on key oil-electric drive technologies to promote the parallel development of multiple technological pathways. The industry shall concentrate best resources to make breakthroughs in core technologies such as BEV, PHEV, range-extended electric, and high-efficiency ICE, actively foster new integrated models of "product +

service" and continuously advance the parallel development of diverse technological routes.

Secondly, the industry shall strengthen the research and development of key core technologies for solid-state batteries and build an orderly industrial chain ecosystem, enhance top-level design of standards, promote collaborative efforts among upstream and downstream enterprises to tackle technical challenges in solid-state batteries, and achieve coordinated advancement in technology R&D, standard innovation, and intellectual property protection.

Thirdly, the industry needs stronger industrial policy support so as to steadily advance the green transition. Continuous optimization and upgrade of tax policies is expected to promote the synergistic application of green technologies and cutting-edge



innovations, facilitate a smooth transition between old and new growth drivers, and provide solid guarantees for the green transformation of the automotive industry.

### Intelligentization: Strengthening Top-Level Design of Standards and Regulating Industry Competition Order

Firstly, the industry needs stronger top-level design of the intelligent connected vehicle (ICV) standard system to promote technological innovation and high-quality development in intelligentization. Coordinated planning of the national standard system in automotive intelligence and connectivity shall be continuously enhanced, the foundational role of access standards shall be highlighted, and standards for key areas and cutting-edge technologies such as ICVs, automotive chips, and automotive artificial intelligence shall be formulated as soon as possible. This will drive technological innovation and application while steadily elevating the international status and influence of Chinese standards.

Secondly, the industry shall actively support key technological

breakthroughs to achieve self-reliance and controllability in core technologies. The industry shall concentrate best resources to advance research and development in technologies such as chips, software architecture, and AI integration, focus on key segments of the ICV industry chain, application scenarios, and core technologies, adopt coordinated and sustained strategies to achieve technological breakthroughs through collaboration across the industry chain. By addressing gaps and strengthening weak links, the industry shall build a secure and controllable industry chain, comprehensively enhance industrial competitiveness, and solidify the foundation for the safe development of the ICV industry.

Thirdly, the industry shall regulate competition to guide high-quality development and return to the original purpose of creating value. This involves defining the boundaries of system functions and safety response measures, strengthening technical reviews and functional verification, objectively showcasing genuine highlights and quality advantages, supporting differentiated brand development, conveying positive consumer information, and promoting high-quality development of the automotive industry.

### High-end: Building an Experience-Driven Innovation System Centered on User Experience

Firstly, the industry shall firmly promote the high-end transformation of independent brands to serve the high-quality development of the industry and enhance global competitiveness. High-end is not only an inevitable response to consumption

upgrading but also a crucial pathway for the Chinese automotive industry to move up the value chain. By leveraging independent innovation and systemic advantages, we will accelerate the formation of a new future-oriented competitive landscape and drive Chinese brands toward higher levels of development on the global stage.

Secondly, the industry shall adhere to the principle that “technology is experience-oriented,” and place user experience at the core of technological innovation. Whether in new energy power, intelligence, or core components such as braking and chassis systems, the ultimate goal is to provide users with a safe, smart, and convenient travel experience. Through hardware-software synergy and cross-domain integration, we will not only break through key technological bottlenecks but also translate innovative achievements into tangible and trustworthy quality value.

Thirdly, the industry shall take user experience as the key benchmark for measuring the success of high-end transformation and build an experience-driven, end-to-end innovation system. In the era of the experience economy, a brand's value depends not only on technological breakthroughs and market share but also on whether users truly perceive a continuously upgraded product and service experience. Only by integrating user insights throughout the entire lifecycle and using experience as the core measure of success can we foster new momentum, shape new advantages, and propel China's high-end new energy vehicles from catching up to leading the way.

### Globalization: Building a Collaborative Ecosystem to Address New International Challenges

Firstly, the industry shall promote the coordinated upgrading of technological systems to strengthen the resilience of sustainable industrial chain development. Accelerate the establishment of a dual-track development framework for intelligent connectivity and resource recycling technologies, while deepening the integrated application of artificial intelligence, edge computing, and new energy vehicles. Simultaneously advance the standardization and scaling of power battery recycling technologies to achieve efficient resource recycling, reduce carbon emissions throughout the entire lifecycle, and solidify the foundation for sustainable industrial development.

Secondly, the industry shall strengthen the foundation of digital governance to drive the secure and efficient cross-border flow of data. Focus on improving cross-border data flow regulations and intellectual property protection mechanisms, establish a unified and trusted data space, and enhance data sovereignty management. Concurrently, optimize the global coordination of patent layouts, using regulatory coordination to address trade barriers such as the EU's new battery law and carbon tariffs, ensuring the simultaneous advancement of technology exports and compliance systems.

Thirdly, the industry shall optimize global resource allocation to build a multidimensional and collaborative industrial ecosystem. Systematically advance the upgrading of logistics

networks and enhance coordination with financial and insurance services. Strengthen multimodal transport capabilities, integrate maritime shipping and land transport channels, and establish an efficient and resilient global logistics supply chain. Establish and improve collaborative mechanisms for financial instruments to effectively counter trade protectionism and geopolitical risks. Promote the deep integration of industry, logistics, and finance to create an open and win-win collaborative ecosystem.

## 2025泰达汽车论坛智库共识发布 勾勒汽车产业四大方向

日前，2025中国汽车产业发展（泰达）国际论坛发布专题论坛智库共识，包括绿色化新方案智库共识、智能化新升级智库共识、高端化新力量智库共识和全球化新市场智库共识。

### 绿色化：多元技术路线并行 推进汽车产业绿色动能转换

一是聚焦油电关键驱动技术，推进多元技术路线并行发展。集中优势资源突破纯电、插电、增程、高效内燃机等关键核心技术，积极培育“产品+服务”融合发展新范式，持续推进多元技术路线并行发展。

二是加强固态电池关键核心技术攻关，构建有序发展的产业链生态。加强标准顶层设计，推动产业链上下游企业合力攻关固态电池技术痛点，实现技术研发、标准创新与知识产权保护协同推进。

三是强化产业政策支撑，稳步推进汽车产业绿色动能转换。持续优化升级产业配套税收政策，促进绿色技术与前沿科技协同应用，推动新旧动能平稳转换，为汽车产业绿色转型提供坚实保障。

### 智能化：加强标准顶层设计 规范行业竞争秩序

一是加强智能网联标准体系顶层设计，推动智能化技术创新和高质量发展。持续加强汽车智能网联领域国家标准体系的统筹规划，强化准入相关标准的基础保障作用，推进智能网联汽车、汽车芯片、车用人工智能

等重点领域、前沿技术的标准出台，引领技术创新和应用，持续提升中国标准的国际地位和影响力。

二是积极支持关键技术攻关，实现核心技术自主可控。集中优势资源推动芯片、软件架构、AI融合等技术研发，瞄准智能网联汽车产业链关键环节、应用场景、核心技术，打好组合拳、连环招，协同产业链上下游共同实现技术突破，通过补链、强链打造安全可控的产业链，全面提升产业竞争力，筑牢智能网联汽车产业安全发展根基。

三是规范行业竞争秩序，引导高质量发展，回归价值创造的初心。明确系统功能边界和安全响应措施，加强技术审查和功能核验，客观呈现真实亮点与质量优势，助力品牌差异化发展，传递正向消费信息，推动汽车产业高质量发展。

### 高端化：以用户体验为中心 构建体验驱动的创新体系

一是坚定推动自主品牌高端化，服务产业高质量发展与全球竞争力提升。高端化不仅是消费升级的必然选择，更是中国汽车产业迈向价值链高端的重要路径。要立足自主创新和体系优势，加快形成面向未来的竞争新格局，推动中国品牌在全球舞台上实现更高水平的发展。

二是坚持“技术以体验为本”，把用户体验作为技术创新的根本落点。无论是新能源动力、智能化，还是制动与底盘等核

心环节，最终目标都在于让用户获得安全、智能与便捷的美好出行体验。通过软硬件协同和跨域融合，不仅要突破关键技术瓶颈，更要把创新成果转化成可感知、可信赖的品质价值。

三是以用户体验作为检验高端化成效的关键依据，构建体验驱动的全链路创新体系。在体验经济时代，品牌的价值不仅取决于技术突破和市场份额，更取决于用户是否真正感受到持续升级的产品与服务体验。唯有把用户洞察贯穿于全生命周期，把体验作为衡量成败的核心尺度，才能培育新动能、塑造新优势，并推动中国高端新能源汽车实现从追赶到引领的跨越。

### 全球化：构建协同生态 应对国际新挑战

一是促进技术体系协同升级，强化产业链可持续发展韧性。加速构建智能网联与资源循环技术双轨并进发展格局，深化人工智能、边缘计算与新能源汽车融合应用。同步推进动力电池回收技术标准化与规模化，实现资源高效循环利用，降低全生命周期碳排放，夯实产业可持续发展根基。

二是筑牢数字治理基座，驱动跨境数据安全高效流动。着力完善跨境数据流动规则与知识产权保护机制，建立统一可信数据空间，强化数据主权管理。同步优化专利全球协同布局，以规则协同应对欧盟新电池法、碳关税等贸易壁垒，实现技术出海与合规体系同步落地。

三是优化全球资源布局，构建立体协同的产业生态体系。系统推进物流网络升级与金融保险服务联动。强化多式联运能力，整

合远洋航运与陆路运输通道，构建高效、韧性的全球物流供应链。建立健全金融工具协同机制，有效抵御贸易保护主义与地缘政治风险，推动产业、物流与金融多元深度融合，打造开放共赢的协作生态。

## Political and Business Leaders Gathered at the 2025 International Forum (TEDA) on Chinese Automotive Industry Development for the Blueprint of the Automotive Industry in the 15th Five-Year Plan Period

From September 11 to 14, 2025, the 2025 International Forum (TEDA) on Chinese Automotive Industry Development was successfully held in TEDA. At the forum, with the theme of "New Momentum, New Chapters, Global Reach," a series of high-level dialogues, policy interpretations, technology demonstrations, and cross-disciplinary seminars were held. Several important think tank research outcomes were released, providing strong support for fostering new productive forces in the automotive industry and promoting its sustainable development.

**Lian Maojun, Member of the Standing Committee of the CPC Tianjin Municipal Committee and Secretary of the CPC Committee of Tianjin Binhai New Area** stated that, riding on the momentum of the State Council's policies and measures to further support the high-quality development of Tianjin Binhai New Area, Binhai is fully committed to serving the opening-up, cooperation, and optimization of the automotive industry. It is actively developing the industrial chain of NEVs and ICVs in Beijing, Tianjin and Hebei. Binhai is working to build an industrial system led by key enterprises, featuring coordinated development of vehicles powered by oil, electric, methanol, and hydrogen energy. It also upgrades the full industrial chain from R&D, manufacturing to sales with diversified

car makers from China, Germany, and Japan. This has resulted in a more optimized industrial strategic system, stronger development momentum, and higher-level collaboration. Mr. Lian emphasized that Binhai is focusing on expanding foreign trade and exploring new markets. Leveraging the advantages of Tianjin Port, Pilot Free Trade Zone and Comprehensive Bonded Zone and utilizing the advantages of roll-on/roll-off direct shipping and China-Europe Railway Express, Binhai is helping companies explore markets in Belt and Road countries and emerging markets, continuously facilitating the global expansion of products, production capacity, and capital.

**An Tiecheng, Secretary of the Party Committee and Chairman of China Automotive Technology & Research Center Co., Ltd.**, put forward suggestions for the automotive industry during the 15th Five-Year Plan period.

First, China will forge new quality productive forces in the automotive sector by using vehicles as a platform to advance fundamental research and pioneering innovation, thereby driving collaborative technological breakthroughs. Second, we will steadily promote the transition between traditional cars to NEVs in the automotive industry, by improving the quality of new cars and revitalizing cars

produced to facilitate the low-carbon transformation of traditional fuel vehicles. Third, enhance international cooperation by proposing "Chinese solutions" in the fields like intelligent connected vehicles and carbon emission reduction, and promote mutual recognition of Chinese and international standards as equals.

**Ouyang Minggao, member of the Standing Committee of the 14th National Committee of the Chinese People's Political Consultative Conference and professor at Tsinghua University**, stated in his speech:

China has now entered the era of intelligent electric vehicles. The full integration of intelligence into electric vehicles will bring profound transformations to the automotive industry. China is embracing development opportunities presented by the reform of its electricity market. Moving forward, the rapid advancement of key technologies such as all-solid-state batteries and vehicle-grid integration will inject new momentum into the automotive industry.

**Voices from Ministries: Authoritative**

### Interpretations Convey Policy Directions

At the forum, officials from various national ministries and commissions released new signals for the automotive industry policies of the "16th Five-Year Plan" period from multiple dimensions, including emission standards, technological breakthroughs, consumption promotion, and data elements, charting the course for high-quality industrial development.

**Li Tianwei, Director of the Department of Atmospheric Environment, Ministry of Ecology and Environment:**

Technical standards are like a locomotive driving industrial progress. In 2025, the China VI emission standards will be revised as soon as possible to improve management requirements. At the same time, efforts will be accelerated to advance the formulation of China VII emission standards for light-duty and heavy-duty vehicles. The China VII emission standards will shift from managing single-vehicle emission limits to dual management of single-vehicle



emission limits and corporate average emission intensity.

Guo Shougang, Deputy Director and First-Level Inspector of the First Department of Equipment Industry, Ministry of Industry and Information Technology:

The fundamental trend of China's industrial economy remaining stable and improving in the long term will not change, the direction of green and low-carbon transformation in the automotive industry will not change, and the objective law of global industrial chain division and cooperation achieving quality improvement, cost reduction, and efficiency enhancement will not change. For the "16th Five-Year Plan" period, specific work will be carried out in areas such as strengthening planning guidance, intensifying technological breakthroughs, promoting automotive consumption, improving the management system,

and deepening cooperation and openness, to fully drive the sustainable and high-quality development of China's automotive industry.

Geng Hongzhou, First-Level Inspector (Director-Level) of the Department of Market Operation and Consumption Promotion, Ministry of Commerce:

The Ministry of Commerce will vigorously boost consumption and expand domestic demand. First, it will ensure the implementation of policies for replacing old cars with new ones, continuously optimize platform functions, and ensure subsidy funds reach consumers promptly and conveniently. Second, it will deepen and solidify pilot reforms in automotive circulation and consumption, break down restrictive measures that hinder automotive consumption, and promote a shift from purchase management to use management. Third, it will streamline the automotive



recycling chain and crack down on illegal dismantling and scrapping of motor vehicles and related violations.

Li Jianguo, Deputy Director General of the Department of Digital Technology and Infrastructure Construction, National Data Administration:

As a new type of production factor, data not only serves as a core support for the intelligent evolution of automobiles, but also acts as a key driver for reshaping the future industrial ecosystem and upgrading the value chain. The automotive industry, characterized by its vast data scale, wide range of application scenarios, and strong cross-industry integration, is a critical field for fully leveraging the value of data and unleashing its dividends. Data security is also the lifeline of the digital and intelligent development of the automotive industry.

#### Business Leaders: Pioneering Development Path with Innovative Thinking

Leaders from mainstream domestic and international automotive companies shared their forward-looking insights and practical explorations into industry transformation, collectively outlining a new vision for the innovative development of the future automotive industry.

Yang Yanding, Deputy Chief Engineer of Dongfeng Motor Corporation, General Manager of Strategic Planning Department, and Dean of R&D Academy:

The future automobile will be an embodied intelligent entity integrating a robust physique, an intelligent mind,

and an empathetic soul. Through the continuous evolution of artificial intelligence, it will become a safe, considerate, and trustworthy intelligent terminal for humans. By building a technological system centered on vehicle perception, roadside coordination, and cloud scheduling, and deepening the integration of "vehicle-road-cloud-satellite," a safer and more efficient new mobility ecosystem can be constructed.

He Gang, Vice President of Chongqing Changan Automobile Co., Ltd. and President of Chongqing Changan Technology Co., Ltd.:

New energy has opened the prelude to a new era of automobiles. Digital and intelligent new vehicles are destined to become the mainstream of the future, and the future automobile will be a self-evolving intelligent car robot. Automotive companies must transition from traditional manufacturing to "manufacturing + services," expanding into emerging fields such as mobility services and data services to enhance industrial added value.

Ge Xianqing, Deputy General Manager of Guangzhou Automobile Group Co., Ltd.:

AI applications are no longer limited to core scenarios such as combined assisted driving and smart cockpits, but are penetrating all areas of vehicles, including chassis control, power management, body electronics, and even social services, enabling full-chain empowerment. This system-level AI is fundamentally expanding the functional dimensions of automobiles, reshaping the industrial ecosystem and the landscape of value distribution.

Xie Wei, Deputy General Manager of BAIC Group:

The global automotive industry is in a critical transition period characterized by the deep integration of electrification and intelligence. The automotive industry has long moved beyond the era of winning the competition with single strength, especially in the transformation toward electrification and intelligence. Collaboration across the industrial chain and the co-creation of ecosystems are key supports for companies to achieve brand renewal.

Li Ming, Deputy Party Secretary, Member of the Board and General Manager of Anhui Jianghuai Automobile Group Co., Ltd.:

The automotive industry is currently accelerating innovative transformation and cross-border integration. This integration is accelerating management leaps, leading digital-intelligent transformation, driving industrial upgrading, and simultaneously defining technological luxury. Automakers must follow industry trends, accelerate the transition to intelligent and new energy vehicles, pursue high-quality development,



and adhere to the two strategic paths of independent innovation and open cooperation to fully build first-class brands.

Wu Huixiao, CTO of Great Wall Motor:

Over the next five years, the industry is expected to enter a phase of steady refinement. Here, "steady" does not mean slow but rather a return to the essence of car manufacturing, seeking a leap in systemic capabilities under a long-term vision. This requires us to more precisely understand user needs, more efficiently integrate technical resources, and more solidly build resilience across the entire system. By delving deeply into every sub-segment and technical detail, we aim to achieve a breakthrough from quantitative accumulation to qualitative improvement, thereby enhancing the global credibility of Chinese automobiles.

Zhou Lin, CTO of Seres Group Co., Ltd.:

At present, competition in China's new energy vehicle industry has shifted from single-point technological breakthroughs to systemic capabilities. The key to breaking the deadlock lies in integrated innovation—redefining industry boundaries through cross-sector technological integration, fostering development vitality via ecosystem collaboration, and activating overall efficiency with systemic innovation.

Dalhoon Lee, Head of R&D Division at LG Energy Solution:

Creating safer and more durable batteries requires not only focusing on hardware and software but also optimizing and upgrading core

algorithms of the BMS. It is essential to carry out extensive international cooperation, continuously improve safety diagnostics, screening and estimation of state of charge and state of health, and jointly expand the battery service ecosystem and next-generation intelligent diagnostics based on massive data to lead the future of the industry.

Naoto Muraoka, General Manager of External Affairs, Honda Motor Co., Ltd. and President of Global Business Department, China Division:

By 2035, automobiles will evolve into platforms for mobility, not only enriching people's lives and delivering enjoyable user experiences but also contributing to social and economic development. To achieve this vision, we have identified two action directions: green transformation and digital transformation.

#### Expert Insights: Shaping the Industry's Future with a Forward-Looking Vision

Leading industry experts and representatives from research institutions offered strategic recommendations on issues such as global expansion of Chinese automakers and the coordination of technological pathways. They emphasized the need for China's automotive industry to balance development with security, innovation with integration, and to plan for long-term growth from a global perspective.

Dong Yang, Chairman of China Automotive Battery Innovation Alliance:

The global expansion of China's automotive industry is an inevitable trend. Chinese automakers must manage the pace of their overseas

market entry to ensure a smooth and stable landing. Rather than solely pursuing speed, greater emphasis should be placed on integrating with local markets to avoid causing severe disruptions to domestic industries.

At the same time, companies should actively fulfill their social responsibilities by striving to create local employment opportunities, contributing to tax revenues, and achieving mutually beneficial development with local economies and societies.

Wang Qing, Deputy Director and Research Fellow, Institute of Market Economy, Development Research Center of the State Council:

Currently, the development of fuel and electric vehicle technologies is progressing unevenly. This is ultimately due to unresolved policy barriers in areas such as production capacity and market access. In particular, policies related to production capacity, market access, and manufacturing are still managed under separate categories, lacking an integrated and holistic approach.

## 政企大咖齐聚2025泰达汽车论坛 谋篇“十五五”汽车产业新布局



2025年9月11日至9月14日，2025中国汽车产业发展（泰达）国际论坛在天津经开区成功举办。论坛围绕“增动能 启新篇 向全球”的年度主题，举办多场高端对话、政策解读、技术展示及跨界研讨活动，发布多项重要智库研究成果，为培育汽车产业新质生产力、推动产业可持续发展提供有力支撑。

**天津市委常委、滨海新区区委书记连茂君出席开幕大会并致辞。**连茂君表示，乘着国务院进一步支持天津滨海新区高质量发展若干政策措施的东风，新区全力服务汽车产业开放合作、优化升级，积极融入京津冀新能源和智能网联汽车产业链建设，加快形成以龙头企业为引领，“油、电、甲醇、氢能”协同布局、“研发—制造—销售”全链条升级、“自主、德系、日系”多元发展的产业体系，呈现产业战略体系更优、发展动力更足、协作能级更高的良好态势。连茂君强调，新区聚焦扩外贸、拓市场，依托“天津港+自贸

试验区+综合保税区”优势，用好“滚装直航+中欧班列”通道，服务企业开拓“一带一路”沿线国家和新兴市场，持续助力产品出海、产能出海、资本出海。

**中国汽车技术研究中心有限公司党委书记、董事长安铁成**结合当前行业发展形势，提出面向“十五五”时期汽车产业的发展建议：

一是要锻造汽车新质生产力，以汽车为载体推进底层研究和源头创新，带动技术协同突破；二是平稳推动汽车新旧动能转换，坚持“做优增量”与“盘活存量”双轮驱动，推动传统燃油车低碳化转型；三是深化国际化合作水平，在智能网联、碳减排等领域提出“中国方案”，推动中国标准与国际标准实现等效互认。

**第十四届全国政协常委、清华大学教授欧阳明高**在演讲中表示：

当前，我国已进入智能化电动汽车时代，电动汽车的完全智能化将给汽车产业带来巨大变革。我国正在迎来电力市场化改革的发展机遇，下一步，全固态电池、车网互动等关键技术的快速发展将为汽车产业带来新的发展动能。

### 部委声音：权威解读传递政策取向

论坛上，国家各部委领导从排放标准、技术攻关、消费促进、数据要素等多维度释放“十五五”汽车产业政策新信号，为产业高质量发展指明方向。

生态环境部大气环境司司长李天威

技术标准是引领产业进步的火车头。

2025年将尽快修订国六排放标准，完善管理要求；同时加快推进轻型、重型汽车国七排放标准的制定，国七排放标准将由以往的单车型排放限值的管理，转变为单车型排放限值与企业平均排放强度的双管理。

工业和信息化部装备工业一司副司长、一级巡视员郭守刚

我国工业经济长期向好的基本面不会变，汽车产业绿色低碳转型方向不会变，全球产业链分工合作实现提质、降本、增效的客观规律不会变。面向“十五五”，将围绕加强规划引导、加大技术攻关力度、促进汽车消费、完善管理体系及深化合作开放等方面开展具体工作，全力推动我国汽车产业实现可持续、高质量发展。

商务部市场运行和消费促进司一级巡视员（正司级）耿洪洲

商务部将大力提振消费，扩大国内需求。一是抓好汽车以旧换新政策落实，持续优化平台功能，让补贴资金及时、便捷直达消费者。二是推进汽车流通消费改革试点走深走实，破除束缚汽车消费的限制性措施，推动从购买管理向使用管理转变。三是畅通汽车循环利用链条，严厉打击非法拆解报废机动车相关违法违规行为。

国家数据局数字科技和基础设施建设司副司长李建国

数据作为新型生产要素，不仅是汽车智能化演进的核心支撑，更是未来产业生态重构和价值链升级的关键驱动力。汽车行业数

据规模大、应用场景广、跨界融合性强，是充分发挥数据价值、释放数据红利的重要领域，数据安全也是汽车行业数智化发展的生命线。

### 企业领袖：创新思维开拓发展路径

来自国内外主流车企的领军人物，分享了对行业变革的前瞻思考与实践探索，共同描绘未来汽车产业创新发展新图景。

东风汽车集团有限公司副总工程师、战略规划部总经理、研发总院院长杨彦鼎

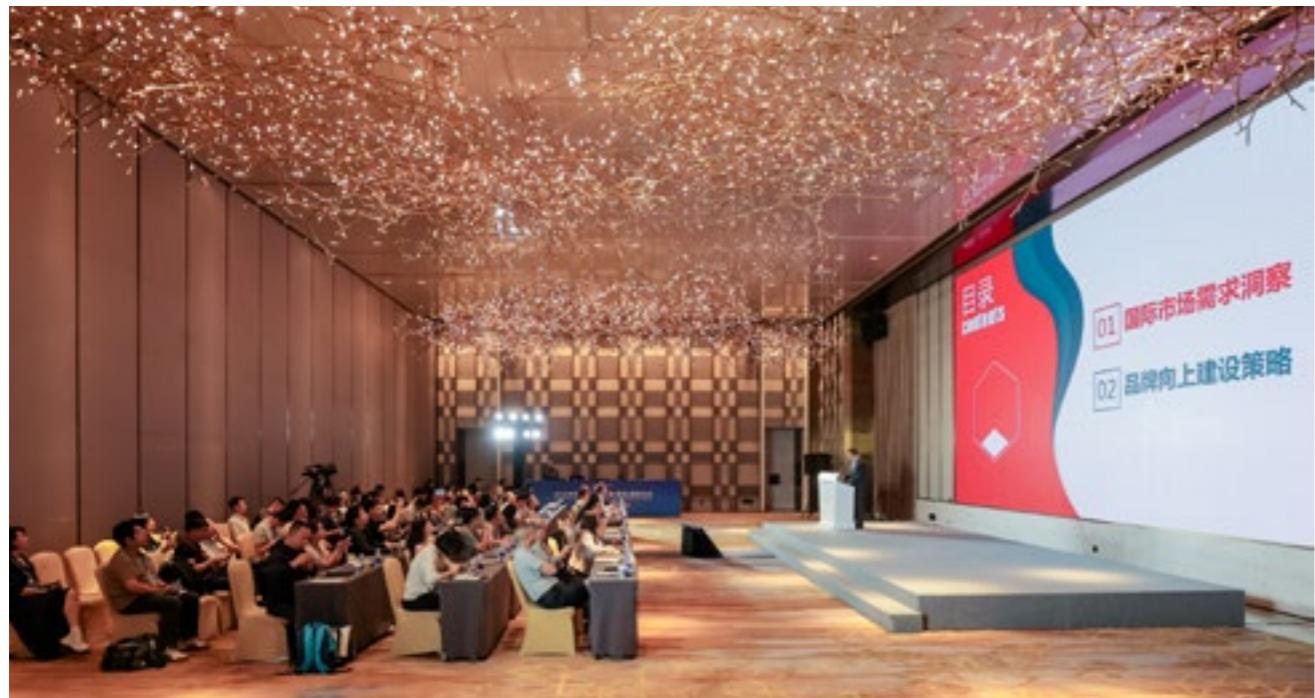
未来汽车将是集强健体魄、智慧大脑与共情灵魂于一体的具身智能体，通过人工智能的不断进化，成为人类安全、贴心、可信赖的智能终端。以车端感知、路侧协同、云端调度为核心搭建技术体系，深耕“车路云星”一体化，可构建更安全、更高效的出行新生态。

重庆长安汽车股份有限公司副总裁、重庆长安科技有限责任公司总裁贺刚

新能源开启了汽车新时代的序章，数智新汽车必将成为未来主流，而未来汽车就是可自进化的智能汽车机器人。车企需从传统制造向“制造+服务”转型，布局出行服务、数据服务等新兴领域，提升产业附加值。

广州汽车集团股份有限公司副总经理 阎先庆

AI应用不再局限于组合辅助驾驶、智能座舱等核心场景，而是渗透到车辆全领域，包括底盘控制、动力管理、车身电子乃至社会服务等各环节，实现全链路赋能。这种系统级AI正从根本上扩展汽车的功能维度，重塑产业生态和价值分配格局。



北汽集团副总经理 谢伟

全球汽车产业正处于电动化、智能化深度融合的关键转型期。汽车产业早已不是“单打独斗”的时代，尤其是在电动化、智能化转型中，产业链的协同、生态的共建，是企业实现品牌向新的关键支撑。

安徽江淮汽车集团股份有限公司党委书记、董事、总经理 李明

当前汽车产业加速创新变革、跨界融合，这一融合加速了管理跃迁，引领了数智转型，牵引了产业升级，同时也定义了科技豪华。车企要顺应行业发展趋势，加速智能新能源转型和高质量发展，坚持自主创新与开放合作两大战略路径，全力打造一流品牌

长城汽车 CTO 吴会肖

未来五年，期待行业进入稳步精进阶段。这里的稳不是慢，而是回归造车本质，谋求长期主义下的系统能力的跃升，这就要求我们更加精准地洞察用户需求，更高效地整合

技术资源，更加扎实地构建整个体系的韧性，在每个细分领域、技术细节上深耕细作，实现从量的积累到质的突破，助力中国汽车在世界范围内的公信力提升。

赛力斯集团股份有限公司首席技术官(CTO) 周林

当前，中国新能源汽车产业竞争已从技术单点突破转向系统能力的决战。破局关键在于融合创新，通过技术跨界重构产业边界，生态协同凝聚发展活力，系统创新激活全局效能。

LG 新能源 BMS 研发集团长 Dalhoon Lee

打造更加安全、耐用的电池不仅需要关注软硬件，还要关注 BMS 核心算法的优化升级。应广泛开展国际合作，持续改进安全诊断，筛检估算荷电状态以及健康状态等核心技术，基于海量数据共同拓展电池服务生态与下一代智能诊断技术，引领行业未来。

本田技研工业株式会社涉外部任职主事、

日本汽车工业协会全球务部会中国分科会长  
村冈直人

2035 年，汽车将进化成为移动出行的载体，不仅能够丰富人们的生活，提供令人愉悦的用户体验，还将为社会与经济发展贡献力量。为了实现这一愿景，我们明确了两大核心行动方向：一是绿色转型，二是数字转型。

#### 专家智囊：前瞻视野绘制产业蓝图

业内权威专家和研究机构代表，针对汽车出海、技术路线协同等关键议题提出战略建言，强调中国汽车产业需统筹发展与安全、创新与融合，以全球视野谋划长远发展。

中国汽车动力电池产业创新联盟理事长  
董扬

中国汽车产业走出去是大势所趋。中国汽车企业出海要控制市场节奏，实现平稳落地。不能只追求速度，更要注重与当地市场的融合，避免对当地产业造成剧烈冲击。同时，企业应积极履行社会责任，努力解决当地就业、贡献税收，实现与当地经济社会的共赢发展。

国务院发展研究中心市场经济研究所副所长、研究员 王青

目前，油、电两条技术路线的发展冷热不均，归根到底是产能与准入等方面政策尚未打通，特别是在产能、准入和生产这些方面的政策上仍采取分类管理，未能从整体上进行统筹谋划。

## Foreign Investors Foster New Engines for Higher-End, Smarter and Greener Development in TEDA



The release of China's 2025 Action Plan for Stabilizing Foreign Investment showed its commitment to further expanding its opening-up and encouraging foreign investment with more efforts. This favorable policy serves as a strong boost for TEDA, a front-runner of China's reform and opening-up and a cluster for global high-quality enterprises, further strengthening the confidence of foreign investors to deepen their presence in TEDA.

Foreign investors have always been a vital player in TEDA's economic growth, contributing approximately 45% of the region's tax revenue, nearly half of its GDP, and over 70% of its industrial output. In recent years, TEDA has been focusing on a high-end, intelligent, and green orientation to drive industrial transformation and upgrading, as foreign investors take this opportunity to accelerate innovation and green development.

**Foreign Investors Keep Reinvesting in TEDA to Pursue High-end & Innovative**

### Development

At the start of the new year, Tianjin released its 2025 Municipal-level Key Construction Projects List. Many are foreign-invested projects from TEDA, including FAW-Volkswagen Tianjin Branch's Audi Model Technical Upgrade, Denso Electronics' Second Factory, CONCENTRICUS PTE's High-performance Polymer Materials Project (Phase I), Novo Nordisk's Pharmaceutical Capacity Enhancement (2025), Otsuka Beverage's Aseptic Production Line, and more. Spanning various fields of advanced manufacturing, these projects feature high value and high technology, highlighting the long-term commitment of foreign investors to rooting in TEDA and their pursuit of high-end development. They also serve as a testament to TEDA's efforts to advance high-level opening-up and export-oriented economy.

Currently, these foreign-invested projects are making steady progress. Novo Nordisk's Aseptic Preparation Expansion Project, with a total investment of RMB 4 billion, was launched in 2024 and is expected to be completed by 2027. The project plans to adopt world-leading isolator technology to provide a higher level of aseptic assurance for pharmaceutical production. Lars Arnoldsen, Corporate Vice President of Novo Nordisk President of its Tianjin Production Plant, said, "With the expansion project, we'll be able to further increase

manufacturing capability to support the localization of more innovative medicines." Like Novo Nordisk, Otsuka has also recognized TEDA's industrial strength and economic resilience, choosing TEDA as the site for its first aseptic production line in China. The project has now reached a key milestone with the steel structure of the production workshop topped out. The entire project is expected to achieve commercial production by 2026. Regarding the decision to establish operations in TEDA, Zhu Shuzeng, Director of Tianjin Otsuka Beverage Co., Ltd., said, "The settle-down of Otsuka Tianjin Plant is inseparable from TEDA's excellent business environment and quality services."

In addition to new projects, several new products have also been introduced. Aisin's M190 automatic transmission recently rolled off the production line in TEDA. Otis' next-generation smart digital elevator, Gen360®, was shipped from TEDA in 2024. This elevator is one of the first innovative achievements of Otis North China R&D Center, marking a full-process "Made in TEDA" journey from design and development to production. Behind these new products is the continuous increase in technology investments and the growing R&D capabilities of TEDA-based foreign investors. Currently, TEDA is home to 17 foreign-funded R&D centers, including the PPG Global Coatings Innovation Center and the Vitesco Technologies R&D Center. These world-class R&D centers enable seamless integration between research and manufacturing, significantly shortening the

commercialization cycle of new technologies and accelerating the launch of new products. TEDA's overall industrial competitiveness has witnessed great enhancement.

### Foreign Investors Transforming Towards Intelligent and Digital Enterprises

Driven by innovation efforts, foreign investors are also accelerating their transition towards intelligent and digital transformation. At FAW Toyota Tianjin Plant, a full-process smart logistics system has been established, enabling 100% intelligent transportation for nearly 1,000 types of components. Moreover, automation and intelligent operations have been fully integrated into key production processes such as stamping, welding, painting, and assembly, significantly enhancing production efficiency and strengthening the company's market competitiveness. This transformation not only sets a benchmark for TEDA but also serves as a model for the intelligent evolution of China's automotive manufacturing industry.

Smart factories in TEDA like FAW Toyota's are not uncommon, and SEW-EURODRIVE (Tianjin) Co., Ltd. stands out among them. With over 30 years of deep-rooted presence in TEDA, SEW-EURODRIVE's drive towards intelligent manufacturing has accelerated rapidly. Not only



has the group established a world-class smart factory here, but it has also set up its China headquarters and Asia-Pacific Manufacturing Center. In 2024, the SEW-EURODRIVE Smart Assembly Center was put into operation. This center incorporates SEW-EURODRIVE's cutting-edge intelligent logistics technologies and is dedicated to creating a model smart manufacturing plant in China. A representative from SEW-EURODRIVE China expressed great confidence in the center's development in TEDA, saying, "The Smart Assembly Center will continue to introduce the most advanced smart manufacturing electronic products from Germany to support the localization in China."

The intelligent transformation by foreign enterprises such as FAW Toyota and SEW-EURODRIVE is a vivid example of how TEDA is advancing new industrialization. As a national-level development zone, TEDA has consistently made smart manufacturing and digital transformation the core strategies for regional development. With its robust manufacturing foundation and the compounded advantages provided by the combined policies of the Pilot Free Trade Zone and the Development Zone, TEDA has created an exceptionally favorable industrial environment for the intelligent development of local enterprises. This environment helps companies achieve lower costs, higher quality, and more efficient results, thereby making intelligent and digital transformation a key engine for regional industrial growth.

**Foreign Investors Keep Reinvesting in TEDA to Pursue High-end & Innovative Development**



Green and low-carbon development is the ecological foundation of new industrialization. As one of the earliest development zones in China to embrace a sustainable path, TEDA has established a model for green growth through top-level planning, industrial upgrading, and technological innovation. This has created fertile ground for foreign investors to advance their own green development initiatives.

In the automotive manufacturing sector, FAW-Volkswagen Tianjin Branch stands as a pioneer in energy conservation and emission reduction, earning numerous national-level green accolades. Most recently, it was recognized as one of Tianjin Binhai New Area's first "Near-Zero Carbon Factories." Since its inception, FAW-Volkswagen Tianjin Branch has embedded green manufacturing concepts into every stage of the automotive production lifecycle, carrying out more than 100 energy-saving and emission-reduction projects. These efforts have not only facilitated the company's own green transformation but have also driven sustainability throughout the industry chain, promoting the entire automotive industry to grow more

eco-friendly.

Cabot's Tianjin plant has also made significant strides in green development. By leveraging a range of advanced environmental technologies, the plant has successfully transformed production waste into reusable resources. Its independently developed waste heat recovery system efficiently captures heat generated during equipment operation, reducing reliance on external energy sources. Additionally, the factory has upgraded its baking equipment, enabling the recovery and reuse of heated air, maximizing resource efficiency.

While companies like FAW-Toyota and Cabot serve as models for TEDA's push to green traditional industries, enterprises such as Sinopec INEOS and Vestas represent TEDA's efforts in fostering a thriving green industry. In 2023, Sinopec INEOS (Tianjin) Petrochemical Co., Ltd. was established, focusing on the development of high-performance, energy-efficient green chemical products. Meanwhile, Vestas, a global leader in the wind power industry, has introduced cutting-edge wind energy technology and equipment to TEDA. These green industry enterprises have not only enriched TEDA's industrial ecosystem but have also created strong synergies within the sector, collectively driving the development of a dynamic and highly competitive green economy in the region.

In the wave of globalization, TEDA has become the top choice for foreign-invested enterprises due to its complete industrial ecosystem and high-quality business environment.

Judy Marks, Chairman, CEO, and President of Otis, stated, "Otis is confident in its development in Tianjin." Yan Caiming, General Manager of PPG Asia Pacific, has also remarked, "TEDA is a land of fortune for business development." Numerous foreign-invested enterprises have gathered in TEDA from around the world, driving the global market with "TEDA-made" products through high-end, intelligent, and green development. In the future, driven by cutting-edge ideas and advanced technologies, TEDA will attract more foreign investment projects, accelerating industrial transformation and upgrading, and creating a new chapter of high-quality development.

## 逐浪“高智绿” 外资企业在泰达激活发展新引擎

近日，《2025年稳外资行动方案》正式发布，释放出中国进一步扩大开放、加大力度吸引外资的明确信号。聚焦天津经开区——中国改革开放的前沿阵地和全球优质企业的集聚高地，这一利好政策似一剂强心针，更加坚定了外资企业投资泰达、深耕泰达的决心。

在天津经开区的经济发展中，外资企业占有重要一席，它们为区域贡献了约45%的税收、近一半的GDP、超七成的工业产值。近年来，经开区围绕高端化、智能化、绿色化持续推动产业转型升级，外资企业把握这一机遇，在追“新”逐“绿”的道路上加速布局。

### 高端引领 创新驱动 外资企业持续“加码”泰达

新年伊始，天津市公布了2025年市级重点建设项目名单，其中包括众多经开区外资企业项目：一汽大众天津工厂奥迪车型技改项目、电装电子第二工厂项目、桐砚高性能聚合物材料项目一期、诺和诺德制药能力提升改造项目（2025年）、大冢饮料无菌生产线项目等等。这些项目全面覆盖先进制造业各领域，具有高能级、高科技含量的特点，彰显出外资企业扎根泰达、追求高端化发展的长远规划，是泰达高水平对外开放、推动外向型经济提质升级的缩影。

目前，这些项目正在稳步推进中。总投资40亿元人民币的诺和诺德无菌制剂扩建

项目于2024年启动，计划于2027年建成。该项目将采用全球领先的隔离器技术，为制剂生产提供更高水平的无菌保障。诺和诺德企业副总裁兼天津生产厂总裁安诺生表示：

“项目将进一步提升诺和诺德在中国的能力，满足未来中国市场对创新药品的需求。”同诺和诺德一样，正是看好经开区的产业实力和经济韧性，大冢制药将其中国首条无菌生产线布局于泰达。如今，该项目迎来新节点：生产车间钢结构工程完成封顶，预计于2026年实现商业化生产。谈及落地泰达的原因，天津大冢饮料有限公司工厂长朱书增表示，这与经开区优质的营商环境和服务密不可分。

除了新项目，还有诸多新产品。爱信自动变速器M190产品近日在泰达下线，奥的斯新一代数字智能电梯Gen360®于2024年从泰达发运。该款电梯是奥的斯北方研发中心的首批创新成果之一，实现了从设计研发到生产制造的全流程“泰达造”。这些新产品的背后是外资企业在泰达技术投入的持续增加与研发实力的不断提升。目前，泰达拥



有包括PPG全球涂料创新研究院、纬湃科技研发中心等在内的17家外资研发中心。这些世界级研发中心的建立，使得研发紧密贴合制造，极大地缩短了新技术的转化周期，加速了新产品的落地，增强了泰达产业的整体竞争力。

### 瞄准智能化数字化 外资企业转型升级再加速

在创新驱动下，外资企业向高端化升级的同时，也驶入智能化、数字化发展的快车道。一汽丰田天津工厂构建起全流程智慧物流体系，近千种零部件在这里实现了100%智能运输。不仅如此，自动化、智能化作业还全面覆盖了冲压、焊接、涂装、装配等多项关键生产工艺，极大地提升了生产效率，增强了企业的市场竞争力，为泰达乃至整个中国汽车制造业的智能化发展树立了榜样。

在天津经开区，像一汽丰田这样的智能化工厂不在少数，SEW天津公司就是其中的佼佼者。深耕泰达30余年，SEW集团追求智能化的步伐越走越快，不仅在这里部署有世界领先的智能化工厂，还设立了中国总部及亚太制造中心。2024年，SEW智能装配中心正式投用，中心引入SEW集团先进的智能物流核心技术，致力于打造中国智能制造

的样板工厂。SEW中国公司相关负责人对中心的发展充满信心，“未来，智能装配中心将持续引入德国最先进的智能制造电子产品，并进行本土化生产。”

一汽丰田、SEW集团等外资企业的“向智”蝶变，是天津经开区推进新型工业化的生动实践。作为国家级开发区，天津经开区始终将智能制造和数字化转型作为区域发展的核心战略，依托雄厚的制造业基础和“自贸试验区+开发区”政策叠加优势，为区内企业智能化发展营造极为优越的产业环境，助力企业实现降本、提质、增效，让智能化、数字化成为区域产业发展的主要引擎。

### 抓住绿色发展机遇 与泰达携手绿色发展

绿色低碳是新型工业化的生态底色。作为全国最早思考走绿色可持续发展道路的开发区之一，天津经开区通过顶层规划、产业升级、技术创新等举措，形成具有示范意义的绿色发展模式，为外资企业的绿色发展提供了丰沃土壤。

在汽车制造领域，一汽-大众天津分公司堪称节能减排的先锋，先后获得诸多国家级绿色荣誉，近期该公司又斩获滨海新区首批“近零碳工厂”称号。自运营起，一汽-大众天津分公司就将绿色制造理念融入到汽车生产的全生命周期，截至目前已累计开展100多个节能减排项目。这些举措不仅助力企业实现自身的绿色转型，还带动产业链上下游企业探索绿色发展路径，推动整个汽车产业朝着更为环保的方向迈进。

化工领域的卡博特天津工厂同样在绿色发展上成果丰硕。该工厂借助一系列环保“黑



一次地感慨：“泰达是企业发展的福地”。众多外资企业从世界各地汇聚泰达，通过高端化、智能化、绿色化的发展，将“泰达造”产品推向全球市场。未来，在前沿理念与先进技术的推动下，泰达将吸引更多的外资企业项目落地，加速推进产业转型升级，书写高质量发展的新篇章。

科技”，成功将生产废料转化为可循环利用的资源，自主研发的余热回收装置能够将生产设备运行中产生的热能高效回收，减少了对外部能源的需求。同时，天津工厂对烘烤设备进行了技术革新，实现了对加热风气的回收与循环再利用，真正做到物尽其用。

如果说一汽丰田、卡博特是经开区推动传统产业绿色升级的典范，那么中石化英力士、维斯塔斯等一众聚焦绿色领域的企业就是经开区大力培育、绿色产业的印证。2023年，中石化英力士（天津）石化有限公司成立，专注于研发高性能、低能耗的绿色化工产品，世界风电行业领军企业维斯塔斯则为经开区带来了先进的风力发电技术与设备。这些绿色产业领域的企业不仅极大地丰富了经开区的产业生态，更是形成强大的产业协同效应，共同推动经开区构建起一个充满生机与强大竞争力的绿色经济版图。

在全球化经济浪潮中，泰达凭借完备的产业生态与优质的营商环境，成为外资企业的不二之选。奥的斯董事会主席、首席执行官兼总裁朱蒂表示：“奥的斯对在天津的发展充满信心。”PPG 亚太总经理延彩明不止

## First Factory in China! German Niche Champion LIFTKET Group Settles down in TEDA

Recently, LIFTKET Technology (Tianjin) Co., Ltd. was officially registered in TEDA. It is the first production-oriented subsidiary in China of Germany's LIFTKET Hoffmann GmbH, a global leader in the manufacturing of electric chain hoists. The establishment of the company marks the launch of LIFTKET Group's production localization strategy in China, serving as a critical step in its global expansion. At the same time, it injects robust new momentum of "German precision engineering" into TEDA's high-end equipment manufacturing.

With a history of over 75 years as a "hidden champion" from Germany, the LIFTKET Group remains dedicated to the niche field of electric chain hoists since its establishment in 1948. Thanks to its excelsior product quality and innovative capabilities, the group keeps a leadering position globally in this niche market. Headquartered in Wurzen of Saxony, Germany, LIFTKET owns modern production bases and has established a complete industrial chain, spanning from core R&D to precision manufacturing. The group's products are renowned for three key advantages: modular design, German precision engineering, and patented safety systems. Its three main product lines—industrial hoists (125–25,000 kg), stage hoists, and wind energy hoists—not only dominate the European market but are also exported to 65 countries and regions worldwide,



making LIFTKET the preferred choice for efficient and safe lifting solutions across multiple industries.

Previously, LIFTKET's business was primarily concentrated in Europe and several mature markets in the Asia-Pacific region, with the potential of the Chinese market not fully explored. The establishment of this factory in China marks a significant strategic move for the group's long-term development. After multiple rounds of careful evaluation and based on its solid cooperative foundation with enterprises in TEDA, LIFTKET decided to settle down in TEDA and set up its first production-oriented subsidiary in China. This move not only underscores the group's high attention to the growth prospects of the Chinese market but also reflects its full confidence in TEDA's favorable business environment and well-developed industrial infrastructure.

## 中国首厂！ 德国细分行业龙头 LIFTKET 集团落子泰达

全球电动环链葫芦制造领军企业德国 LIFTKET Hoffmann GmbH 中国首家生产型子公司——利富凯科技（天津）有限公司在天津经开区正式注册成立。该公司的成立，标志着 LIFTKET 集团在华本土化生产战略全面启动，是其全球化布局的关键一步，同时也为天津经开区高端装备制造产业发展注入了强劲的“德国精工”新动能。

作为拥有超 75 年历史的德国“隐形冠军”企业，LIFTKET 集团自 1948 年成立以来，始终专注于电动环链葫芦这一细分领域，凭借卓越的产品质量与创新能力，稳居全球细分市场领导者地位。LIFTKET 集团总部位于德国萨克森州武尔岑，拥有现代化生产基地，形成了从核心研发到精密制造的完整产业链。LIFTKET 集团产品以模块化设计、德国精工制造及专利安全系统三大优势著称，旗下工业级（125-2500kg）葫芦、舞台葫芦与风电葫芦三大系列产品，不仅在欧洲占据领先地位，更远销全球 65 个国家和地区，成为多行业高效、安全吊装解决方案的首选。



此前，LIFTKET 集团业务主要集中于欧洲及部分亚太成熟市场，对中国市场的潜力尚未深入挖掘。此次在华设厂，是集团基于长远战略作出的重要决策。经过多轮审慎考察，LIFTKET 集团依托与经开区企业的良好合作基础，最终决定将中国首家生产型子公司落户泰达。这既体现了 LIFTKET 集团对中国市场发展前景的高度重视，也反映出对泰达优越营商环境与完善产业配套的充分认可。

## Gurit Global R&D Center for Advanced Composite Materials Established in TEDA

On November 17, the TEDA Administrative Commission and Gurit Holding AG of Switzerland jointly held an unveiling ceremony for the Gurit Global R&D Center for Advanced Composite Materials. The two parties conducted in-depth discussions on topics such as industrial chain collaboration and joint technological innovation, reaching multiple consensus points for cooperation.

The establishment of this R&D center represents a key strategic move by Gurit Group to strengthen its end-to-end value chain from R&D-production and reflects its firm confidence in long-term investment in the Chinese market.

The R&D center is located in the Yat-sen Intelligence & Innovation Park within TEDA, with a planned area of 1,000 square meters. It primarily focuses on the R&D and analytical testing of PET material performance metrics and will establish a pilot production line at the manufacturing base within the park for process development. The project is expected to be officially operational by the end of this year. By then, Gurit will achieve a full industrial chain layout in TEDA, spanning from R&D and design to manufacturing. This will meet the urgent demand for innovative material solutions in rapidly growing markets such as wind energy and new energy vehicles, effectively driving the collaborative development of upstream and downstream industries.

A relevant executive of Gurit said

that Tianjin boasts a solid industrial foundation and a superior business environment, making it a key strategic pivot for Gurit to deepen its presence in the Asia-Pacific market. The newly established global R&D center will significantly enhance the company's independent innovation capabilities and response speed in the field of core materials, providing solid technical support and strong backing for the development of subsequent new production lines.

Gurit Group is a global leader in the composite materials industry, headquartered in Switzerland, with business spanning composite materials, core materials, structural engineering services, and manufacturing solutions. Since entering TEDA in 2006, Gurit Group has established two major core production bases in the area. Among them, Gurit (Tianjin) Composite Material Co., Ltd. is the group's largest global PET production base; Gurit Fiberglass Products (Tianjin) Co., Ltd. specializes in the application of pultruded profiles in the wind power sector, with products widely supplied to major domestic and international wind turbine manufacturers.

## 固瑞特全球新型复合材料研发中心落地泰达

11月17日,天津经济技术开发区管委会与瑞士固瑞特控股公司联合举办固瑞特全球新型复合材料研发中心揭牌仪式。双方就产业链共建、技术协同创新等议题展开深入研讨,达成多项合作共识。

此次研发中心的设立,是固瑞特集团强化“研发—生产”全链条布局的关键战略举措,体现其对中国市场的长期投入的坚定信心。

该研发中心位于经开区逸仙智创园,规划面积1000平方米,主要聚焦PET材料的性能指标研发、分析测试,并将在园区内的生产基地建设小试生产线,用于工艺研发。项目预计于今年底正式投入使用。届时,固瑞特将在泰达实现从研发设计到生产制造的全产业链布局,满足风电、新能源汽车等领域快速增长市场对创新材料解决方案的迫切

需求,有效带动上下游产业协同发展。

固瑞特相关负责人表示,天津拥有雄厚的产业基础和优越的营商环境,是固瑞特深耕亚太市场的重要战略支点。此次新建的全球研发中心,将极大提升企业在核心材料领域的自主创新能力,为后续新产品的开发提供坚实的技术保障和有力支持。

固瑞特集团是复合材料行业的全球领导者,总部位于瑞士,业务覆盖复合材料、核心套材、结构工程服务及制造解决方案等领域。自2006年进入天津经开区以来,固瑞特集团在泰达已建立了两大核心生产基地。其中,固瑞特天津复合材料公司是集团全球最大的PET生产基地;固瑞特玻璃钢制品天津公司则专注于拉挤型材在风电领域的应用,产品广泛配套国内外大型风电设备制造商。



## Servier Innovative Drug Project to Launch in TEDA



From November 2 to 7, Zhang Gong, Mayor of Tianjin, led a municipal government delegation on visits to France and Italy. The delegation visited enterprises, attended promotional exchange meetings for Tianjin, and expanded practical cooperation in areas such as economic and trade investment, sister-city exchanges, and cultural tourism exhibitions.

During this visit, the TEDA Administrative Commission and Servier (Tianjin) Pharmaceutical Co., Ltd. held a signing ceremony at Servier's headquarters in France. Servier's innovative drug project, Vorasidenib, will officially be established in TEDA. With an investment of hundreds of millions of yuan, the project plans to produce Voranigo, an innovative drug newly developed by Servier for the treatment of glioma. This drug is the world's first targeted therapy for astrocytoma or oligodendrolioma with IDH1/2 mutations, applicable to adult and pediatric patients aged 12 and above. It is projected to achieve annual sales of 1 billion yuan after hitting the market.

Servier Pharmaceuticals, headquartered in Suresnes, France, focuses on four key therapeutic areas: cardiovascular and metabolic diseases, oncology, neuroscience, and immunoinflammatory diseases. Its product portfolio covers over 20 medical specialties, and the company operates in 140 countries.

Servier (Tianjin) Pharmaceutical Co., Ltd. was established in TEDA in June 2000. Since its opening in 2002, the company has consistently maintained steady and continuous growth, strengthening its foundation and its comprehensive capabilities through a series of key initiatives. Its warehouse was expanded and put into use in 2008. The new QC laboratory building was completed and put into operation in 2014. The production license for the anticancer clinical drug pilot workshop was obtained in 2016. In early 2018, an additional registered capital of €10 million was injected, further enhancing its capital and operational strength. In the same year, the project for the new preparation workshop at Servier's Tianjin plant broke ground and was completed in 2020, equipping the facility with advanced production capabilities for anticancer drugs.

Currently, the Tianjin company has successfully localized the production of various tablet drugs, not only meeting the demands of the Chinese market but also extending its reach to multiple countries and regions in the Asia-Pacific. It is committed to providing high-quality and accessible medicines to a broader range of patients.

## 施维雅创新药项目将正式落地泰达



11月2日至11月7日，天津市市长张工率市政府代表团访问法国、意大利，实地走访企业，出席天津城市宣介交流会，拓展经贸投资、友城交往、文旅会展等领域务实合作。

期间，天津经开区管委会与施维雅（天津）制药公司在法国施维雅总部举行签约仪式，施维雅 Vorasidenib 创新药项目将正式落户泰达。该项目投资数亿元，规划生产施维雅新研制治疗胶质瘤的创新药 Voranigo。该款创新药为全球首个用于治疗携带 IDH1/2 突变的 2 级星形细胞瘤或少突胶质细胞瘤的靶向药物，适用 12 岁及以上的成人和儿童患者，预计上市后年销售额超 10 亿元。

施维雅制药公司总部位于法国叙雷讷，专注于心血管与代谢疾病、肿瘤、神经科学以及免疫性炎症四大领域，产品组合涵盖 20 多个医疗专业方向，公司业务遍及

140 个国家。

施维雅（天津）制药有限公司于 2000 年 6 月在天津经开区注册成立。2002 年开业至今，公司始终保持着稳健而持续的发展步伐，通过一系列关键举措不断夯实基础、提升综合实力：2008 年新仓库扩建并投入使用；2014 年新 QC 实验楼建成并投用；2016 年取得抗癌临床药品试制车间的生产许可证；2018 年初新注入注册资本金 1000 万欧元，进一步增强了资本与运营实力。同年，施维雅天津工厂新制剂车间项目破土动工，并于 2020 年建设完成，具备了抗肿瘤药物的先进生产能力。

目前，天津公司已成功实现多种片剂药物本地化生产，不仅满足中国市场的需求，更辐射亚多个国家和地区，致力于为更广泛的患者提供高质量、可及的药品。

## Permanent Residency Certificate | For Foreigners with Four Years of Continuous Employment and Their Spouse and Children

### I. Eligibility

Applicants applying for permanent residence under this category must comply with Chinese laws, be in good health, have no criminal record, and meet the following requirements:

Foreigners who have worked continuously for at least four years in China at the time of application, with actual residence of no less than six months per year, an annual salary not lower than six times the average annual wage of on-post employees in the region in the previous year, and annual personal income tax payment not less than 20% of their salary income, may apply for permanent residence through the exit-entry administration department of the public security bureau.

The applicant's foreign spouse and unmarried children under 18 may apply together.

### II. Documents required

#### For principal applicants:

1. Valid passport or residence permit.
2. One recent 2-inch front-facing color photo with a white background.
3. Foreigner's Work Permit issued by the State Administration of Foreign Experts Affairs (the validity period must cover the four consecutive years prior to the date of application).

4. Certification letter from the employing unit, including a personal resume, position/title, expertise, and achievements.

5. Registration certificate of the employing unit: enterprises shall provide a copy of the Business License; other organizations shall provide the Certificate of Public Institution with Legal Person Status or equivalent documents. If the employing unit is a foreign-invested enterprise, the Certificate of Approval for Establishment of Enterprises with Foreign Investment in the People's Republic of China or the Foreign-invested Enterprise Establishment Filing Receipt and the Foreign-invested Enterprise Modification Filing Receipt must also be submitted.

6. Proof of salary issued by the employing unit covering the four consecutive years prior to the date of application.

7. Proof of individual income tax payment for the most recent four years issued by the tax authorities.

8. Certificate of no criminal record from abroad.

9. Health certificate.

10. Other necessary relevant supporting documents.

For the spouse if applying concurrently:

1. Valid passport and visa or residence permit.
2. One recent 2-inch front-facing color photo with a white background.
3. Marriage certificate.
4. Certificate of no criminal record from abroad.
5. Health certificate.
6. Other necessary supporting documents.

For unmarried children under 18 if they apply concurrently:

1. Valid passport and visa or residence permit.
2. One recent 2-inch front-facing color photo with a white background.
3. Birth certificate or proof of parent-child relationship; adoption certificate if applicable.
4. Other necessary supporting documents.

### III. Notes

1. Documents issued abroad must be authenticated by the Chinese embassy, or consulate, or by the Hague Apostille and translated into Chinese by a certified translation agency, with stamps and cross-page seals.

2. Ethnic Chinese of other nationalities must undergo nationality verification in accordance with the Nationality Law of the People's Republic of China and related regulations. Those who have not cancelled their Chinese household registration must do so before applying.

3. If an ethnic Chinese individual has changed their name after acquiring foreign nationality (i.e., the English name is not a transliteration of the original Chinese name), relevant supporting documentation must be provided.

### IV. Office locations

1. Tianjin Public Security Bureau Exit-Entry Administration:

2nd Floor, Haitai Building, No 6 Meiyuan Road, Huayuan Industrial Park

Tel: +86-022-12367

2. Binhai New Area Public Security Bureau Exit-Entry Administration:

Block B, Annex Building, Guangyao Dongfang Square, Intersection of Yingbin Avenue and Jihua Road, Binhai New Area

## 永久居留证 | 连续工作满 4 年，就业外国人及其外籍配偶、未满 18 周岁的未婚子女

### 一、申请条件

申请此类在中国永久居留的外国人应该遵守中国法律，身体健康，无犯罪记录，并符合下列条件可提出申请：

在中国境内工作的外国人，申请时及申请之日前连续工作满 4 年、每年实际居住不少于 6 个月，工资性年收入不低于上一年度所在地区城镇在岗职工平均工资的六倍，年缴纳个人所得税不低于工资性年收入标准的 20%，可向公安机关出入境管理部门申请在华永久居留。

上述人员的外籍配偶、未满 18 周岁的未婚子女可随同申请。

### 二、申请材料

#### (一) 就业外国人本人需提交:

1. 有效的护照及居留许可；
2. 一张二英寸近期正面免冠白色背景照片；
3. 外国专家局签发的《外国人工作许可证》（有效时间段应为申请人申请之日前连续 4 年）；

4. 任职单位出具涵盖个人简历、职务职称、专长、成就等内容的证明函件；

5. 任职单位的登记证明（企业应出具《营业执照副本》，其他单位应出具《事业单位法人证书》等凭证。如任职单位是外商投资企业的，还需提交《外商投资企业批准证书》或《外商投资企业设立备案回执》、《外商

投资企业变更备案回执》）；

6. 工作单位出具的申请之日前连续 4 年的工资证明；

7. 税务机关出具的最近 4 年个人所得税缴纳完税证明；

8. 境外无犯罪记录证明；

9. 健康证明；

10. 其他必要的相关证明材料。

(二) 上述人员配偶同时提出申请的，还需提交：

1. 有效的护照及签证或居留许可；

2. 一张二英寸近期正面免冠白色背景照片；

3. 婚姻证明；

4. 境外无犯罪记录证明；

5. 健康证明；

6. 其他必要的相关证明材料。

(三) 上述人员未满 18 周岁未婚子女同时提出申请的，还需提交：

1. 有效的护照及签证或居留许可；

2. 一张二英寸近期正面免冠白色背景照片；

3. 出生证明或者亲子关系证明，属于收养关系的还需提交收养证明；

4. 其他必要的相关证明材料。

### 三、注意事项

(一) 境外出具的申请材料，需经中国驻外国使、领馆或海牙认证，并经正式翻译

公司翻译成中文后加盖翻译公司印章及骑缝章。

(二) 外籍华人需严格按照《中华人民共和国国籍法》及相关规定进行国籍审核，并提供有关证明。未注销中国户籍的人员，应注销户籍后再提出申请。

(三) 外籍华人在加入外国籍后更名（英文姓名不是中文姓名的音译）的，需提供有关证明。

#### 四、办公地点

天津市公安局出入境管理局：华苑产业园区梅苑路 6 号海泰大厦 2 层，电话：022-12367

滨海新区公安局出入境管理处：滨海新区迎宾大道与集华道交口光耀东方广场辅楼 B 座，电话：022-66977401

## Decoding the TEDA's Low-altitude Economy

Currently, the low-altitude economy is becoming a new engine for high-quality economic development. In March 2024, it was first proposed in the government work report. In 2025, it was reasserted in the government work report that the safe and healthy development of emerging industries such as commercial spaceflight, low-altitude economy and deep-sea technology shall be further facilitated, which helps low-altitude economy to embrace unprecedented development opportunities. It was against such a backdrop that TEDA has explored a robust growth trail in low-altitude economy, leveraging its advanced manufacturing foundation, complete industrial ecosystem, strong innovation capabilities and high-quality business environment.

### Drone Industry Leaders Drive Cluster Development

In TEDA's low-altitude economy ecosystem, drone industry leaders such as IKINGTEC are making significant contributions to the rapid development of the industry. As a leading enterprise in industrial-grade intelligent drones, IKINGTEC has achieved remarkable growth since its settle-down in TEDA. Its independently developed integrated unmanned inspection system, which combines high-precision BDS based on IoT and 5G technology, can finish inspection tasks efficiently under extreme conditions such as extreme cold, high temperatures, and heavy rain. It can also automatically generate professional reports, providing highly

efficient and intelligent solutions for various fields including power inspection, fire emergency response, urban governance, smart forestry and smart tourism. The company takes the lead in drafting the "Regulations on Autonomous Forest Patrol Operations of Unmanned Aerial Vehicles", filling the domestic gap in the field and propels forestry patrol into a unmanned and intelligent new era. These achievements not only demonstrate the company's technical strength but also vividly illustrate the vibrant development of TEDA's low-altitude economy.

In the field of emergency rescue, TEDA has also made eye-catching achievements. In November 2024, during a showcase and delivery ceremony of air-ground coordinated tethered UAV firefighting equipment, a drone developed by Xinxing Cathay International Group reached a height of 60 meters and extinguished a high-rise building fire in just 10 minutes. This equipment, with high mobility, intelligence and long hovering time, successfully cracked the industry pain points in high-rise building fires with traditional fire-fighting equipment. As TEDA deepens its cooperation with companies like Xinxing Cathay International Group in equipment R&D and emergency rescue, such advanced equipment is set to become new tool for urban safety, injecting strong momentum into TEDA's low-altitude economy.

At present, TEDA has gathered 30 UAV companies, covering key areas

such as R&D, production and operation services, forming a strong industrial synergy. The continuous innovation of UAV technologies, products and applications in TEDA provides solid support for the development of the low-altitude economy.

#### Approved Test Flight Airspace Consolidates Industrial Foundation

The development of the low-altitude economy relies on the infrastructure that ensures flight feasibility and safety. TEDA has made continuous efforts in this aspect and achieved visible progress. At the beginning of this year, the Beijing-Tianjin-Hebei Unmanned Intelligent Equipment Industry-Education Integration Base, with a total investment of 130 million yuan, settled down at Yat-sen Intelligence & Innovation Park in TEDA. Focusing on industry-education integration and practical training of unmanned intelligent equipment, development and testing of unmanned intelligent technologies, and professional and skilled talent cultivation, it will become an important support platform for the development of low-altitude and underwater economies in TEDA and even Tianjin. In May, the Base, together with the TEDA Intelligent Unmanned Equipment Industrial Park and the Beitangwan Digital Economy Industrial Park, was approved for drone test flight airspace. The test flight airspace, with a height of 120 meters, will include drone taking-off and landing points, communication and navigation equipment, and meteorological monitoring stations to guarantee the comprehensive safety of drone flights. This key infrastructure not only brings testing closer to production and R&D,

significantly shortens the product development cycle and reduces costs, but also further promotes the improvement of the drone industry chain and accelerates industrial aggregation.

The aggregation of innovation and talent resources injects continuous momentum into industrial development. As a national base for advanced manufacturing and R&D, Tianjin boasts well-known universities such as Civil Aviation University of China, Tianjin University and Nankai University, as well as key laboratories focusing on urban air transportation and low-altitude economic communication and surveillance. These institutions provide strong intellectual and technical support for the development of the low-altitude economy. The Tianjin UAV and New Materials Talent Innovation and Entrepreneurship Alliance has gathered more than 110 drone and new materials-related companies, covering various fields such as UAV, MEMS inertial sensors, high-precision navigation and communication equipment. It has built a platform for industry-university-research cooperation to help companies enjoy policy benefits in talent introduction and technological innovation.

In terms of intellectual property protection, the Tianjin Binhai New Area Intellectual Property Protection Center proactively optimize their service. Working with TEDA-based IKINGTEC, it launched a patent navigation project for unmanned aerial vehicle nest, creating a collaborative innovation model highlighted by "government-enterprise interaction +technology breakthrough + patent protection".



This model builds a patent "moat" for key technologies and safeguards the innovation of low-altitude economy in TEDA.

According to Zhu Shengli, co-founder and marketing executive officer of IKINGTEC, "The preferential policies of the Tianjin municipal government, friendly environment for industry-university-research integration and Tianjin's unique advantages in market and supply chain are key factors for the company's decision to settle in TEDA. Tianjin is a blessed place for our entrepreneurship."

#### From TEDA to the World -- Helping Enterprises to Go Global

Drone companies in TEDA are not only performing well in the domestic market but also making a mark on the international stage. EFYI Group, a leading drone company born and flourished in TEDA, focuses on drone intelligent control and swarm

control technology and has become a pacesetter in digital commercial applications for drone performance. Its drone formation performance business now covers 38 countries and over 200 cities, with a total of 3,000 performances, becoming a shining card for Chinese drone technology to go global.

From industrial aggregation to ecosystem cultivation and then to helping companies go global, TEDA has formed a relatively complete development chain and industrial ecosystem about low-altitude economy. In the future, TEDA will focus on fostering application scenarios such as drone logistics, drone inspection and drone emergency rescue, striving to build a low-altitude economy application demonstration zone. It will also actively explore new models for low-altitude airspace management and contribute more insights to China's low-altitude economy.

## 解码泰达低空经济

当下，低空经济正成为推动经济高质量发展的新引擎。自2024年3月低空经济首次被写入政府工作报告后，2025年政府工作报告再次提出，推动商业航天、低空经济、深海科技等新兴产业安全健康发展，低空经济迎来前所未有的发展前景。在这一背景下，泰达凭借先进的制造基础、完善的产业生态、突出的创新能力和优质的营商环境，在低空经济赛道上开辟出一条硬核崛起之路。

### 无人机龙头企业引领产业集群效应凸显

在天津经开区的低空经济版图上，以云圣智能等为代表的无人机龙头企业竞相发力，推动产业蓬勃发展。这家工业级智能无人机领军企业，在落户经开区后实现了跨越式发展，其自主研发的天地一体化全自主无人巡检系统，深度融合高精度北斗定位物联网、5G技术等新一代信息技术，不仅能够在极寒、高温及暴雨等极端环境下出色完成巡检任务，还能自动生成专业报告，为电力巡检、消防应急、城市治理、智慧林业、智慧文旅等众多领域提供了高效智能的解决方案。公司牵头起草的《无人驾驶航空器林业自主巡航作业规程》团体标准更是填补了国内该领域的空白，有力推动了林业巡护迈向无人化和智能化新时代。这些不仅是企业技术实力的有力彰显，更是泰达低空经济产业活力进发的生动写照。

在应急救援赛道，泰达同样交出亮眼答卷。2024年11月，在空地协同系留无人机

消防装备展示演练暨交付仪式上，新兴际华自主研发的空地协同系留无人机消防装备携水带攀升60米高空，短短10分钟便将高层火情扑灭。该装备具备机动性好、智能化高、滞空时间长等特性，成功破解了传统消防装备高空灭火难的行业痛点。随着经开区与新兴际华等企业在装备研发、应急救援等领域的深入合作，这类硬核装备将成为城市安全防护的新利器，为泰达低空经济发展注入澎湃动能。

目前，天津经开区已汇集无人机相关企业30家，涵盖研发设计、生产制造、运营服务等多个关键领域，形成了强大的产业协同效应。区内无人机新技术、新产品、新应用层出不穷，为低空经济发展提供了坚实支撑。

### 试飞空域获批夯实产业根基 多维体系构建发展沃土

低空经济的腾飞，离不开“能飞、安全飞”的基础设施，经开区在这一领域不断发力，取得一系列成效。今年年初，总投资1.3亿元的京津冀无人智能装备产教融合基地项目落户泰达逸仙智创园，聚焦无人机智能装备产教融合实训、技术开发试验与专业技能人才培养，未来将成为经开区乃至天津市发展低空经济和水下经济的重要支撑平台。5月，该基地与经开区智能装备产业园、北塘湾数字经济产业园获批无人机试飞空域，试飞空域高度为120米，空域内将建设无人机

起降点、通信导航设施、气象监测站等，为无人机安全飞行提供全方位保障。这一关键基础设施的完善，不仅让测试更加贴近生产和研发，大大缩短了产品的研发周期、降低了研发成本，还将进一步推动无人机产业链的完善，加速产业聚集。

创新资源与人才资源的集聚，为产业发展注入持续动能。作为全国先进制造研发基地，天津拥有中国民航大学、天津大学、南开大学等知名高校，以及专项研究城市空中交通、低空经济通信通航监视的重点实验室，为低空经济发展提供了强大的智力支持和技术支撑。天津市无人机和新材料人才创新创业联盟则汇聚110多家无人机及新材料相关产业链企业，涵盖无人机、MEMS惯性传感器、高精度导航、通信装备等多个领域，搭建起产学研合作的平台，助力企业享受人才引进、科技创新等政策红利。

在知识产权保护方面，滨海新区知识产权保护中心积极深化知识产权零距离服务。中心与区内企业云圣智能携手，启动无人驾驶航空器机巢产业规划类专利导航项目，开创了“政企联动+技术攻坚+专利护航”的协同创新模式，为关键技术构筑专利护城河，护航区域低空经济创新发展。

云圣智能联合创始人兼市场执行官朱胜利坦言，天津市政府的优惠政策、产学研深度融合的良好环境，以及天津在市场和供应链方面的独特优势，是企业选择落户泰达的关键因素。“天津是我们创业的福地。”朱胜利说。

### 从泰达到全球 助力企业扬帆出海

天津经开区的无人机企业不仅在国内市场表现出色，更是在国际舞台崭露头角。无人机领军企业——飞智控是经开区土生土长的企业，该公司以无人机智能控制、集群控制技术为核心，深耕无人机表演数字化商业应用领域，无人机编队表演业务已遍及38个国家、跨越200多个城市，累计表演3000场，成为中国无人机技术走向世界的亮丽名片。

为助力企业更好地开拓国际市场，天津经开区依托中国北方（泰达）一站式出海服务基地，整合政府、协会、机构、企业资源，构建共享共赢的出海服务生态。在一飞智控优化国际物流方案、拓展海外市场过程中，经开区政务服务办启动专项服务机制，联合多个部门组成专家团队，为企业提供预通关方案建议和政策解读与合规指导，解决了出口业务中的政策适用难题，预计出口贸易业务效率提速50%以上，进一步增强了企业“走出去”的信心和能力。

从产业集聚到生态培育，再到助力企业出海，天津经开区在低空经济领域已形成较为完整的发展链条和产业生态。未来，经开区将重点发展无人机物流、无人机巡检、无人机应急救援等应用场景，打造低空经济应用示范区，同时积极探索低空区域管理新模式，为我国低空经济发展贡献更多“泰达智慧”。

## TEDA's Aerospace Industry Takes Off with Speed and Momentum

On the shores of Bohai Bay, the Tianjin Economic-Technological Development Area (TEDA) is advancing at full speed in the aerospace sector with robust momentum. On one hand, deep space economy, spearheaded by the "Big Rocket" base, is in full swing and has become a vital force in China's exploration of the vast universe. On the other hand, the low-altitude economy, centered on unmanned aerial vehicles, is developing rapidly and emerging as a powerful engine for local economic growth, vividly illustrating the transformation, upgrading, and integrated development of advanced manufacturing driven by innovation.

### TEDA Aerospace Industry Soars with "Big Rocket" Base

At the Tianjin Next-Generation Launch Vehicle Industrial Base which is located in the West Zone of TEDA, hi-tech companies represented by the Tianjin Aerospace Long March Rocket Manufacturing Co., Ltd. are rolling out various tasks in full swing. This state-of-the-art new aerospace city, representing China's aerospace capabilities and globally advanced standards, is responsible for the production, final assembly, and testing of launch vehicles such as the Long March 5, Long March 5B, Long March 7, Long March 7A, Long March 8, etc. Not long ago, the Long March 8 Yao-4 rocket, assembled and produced at this base, successfully deployed 12 satellite internet low-orbit satellite groups into their predetermined

orbits, accomplishing its mission with excellence. Prior to this, the Long March rocket series had already made significant contributions to major national aerospace projects, including China's manned space program, lunar exploration, Mars exploration, space station construction, and the Beidou Navigation Satellite System.

Since its establishment in TEDA back in 2008, the "Big Rocket" base has successively attracted over 30 top players of the industry such as Aerospace Arimt Technology, Aerospace Reliable and AVIC Poly in nearly two decades, laying a solid foundation for local aerospace industry. A robust industrial chain covering raw materials, R&D,



manufacturing, and testing has taken shape.

Standing out in this high-end industrial chain is Beacon Paint, which was founded in 1916. This century-old company's aerospace coatings have been successfully applied to the Long March series of carrier rockets, the Shenzhou series of manned spacecraft, the Chang'e lunar exploration program, and the Tiangong-1 space station, ensuring their stable operation in extreme temperatures as they travel in the universe. From a pioneer in China's coating industry to a guardian of the country's aerospace exploration, Beacon Paint embodies the continuous development of Chinese industry and the innovative spirit of Tianjin. A company executive stated, "We aim to reach internationally advanced levels by developing high-tech products and securing a leading position in coating technology." The confident words reflect both the company's strength and its ambition.

This confidence is rooted in Tianjin's urban DNA and comprehensive strength. As one of the birthplaces of modern industries in China, Tianjin boasts advantages in advanced manufacturing and R&D, talent resources, and port facilities, providing fertile ground for the development of aerospace industry. The innovation-friendly environment and professional services of TEDA have further given wings to the industry, enabling the aerospace sector to thrive here, extend into other fields, and bear fruitful results through industrial integration.

ROCOR MEDICAL Technology Co., Ltd. Stands out as a prime example.

Leveraging the support of the China Academy of Launch Vehicle Technology and collaborating with TEDA International Cardiovascular Hospital, the company developed the HeartCon implantable left ventricular assist system—dubbed the "Rocket Heart"—which received market approval in 2022. This product successfully applies magnetic levitation technology from the aerospace sector to treat heart failure, with its key technical indicators reaching international standards. To date, it has saved the lives of over 190 patients with end-stage heart failure. Currently, a lighter and more powerful second-generation "Rocket Heart" has passed testing by the National Institutes for Food and Drug Control and is set to commence nationwide multi-center clinical trials.

### Low-Altitude Economy Ready to Bloom and Shine with Increasingly Visible Clustering Effect

While the deep-space economy shows promising prospects, TEDA has exquisitely seized development opportunities by extending its industrial chain into the drone sector, facilitating the swift ascent of its low-altitude economy. Currently, TEDA is home to approximately 30 drone-related enterprises. It has gathered a galaxy of leading companies, including drone manufacturers represented by EFY Intelligent Control, i-KINGTEC, and AheadX; raw material manufacturers like Aerospace Arimt; and software/hardware R&D firms such as XINXING CATHAY. Together these companies formed a relatively comprehensive industrial chain covering UAV R&D, design, manufacturing, and operational services.



Behind a thriving industry lies the dual drive of a supportive industrial environment and a favorable business climate. In 2015, EFY Intelligent Control was established in TEDA. With continuous support from regional policies and services, the company has gradually grown into an industry leader. "TEDA provides timely assistance at critical junctures, helping enterprises move forward," said Qi Juntong, Chairman of EFY Intelligent Control, echoing the views of all enterprises in TEDA. Today, with its core UAV swarm control systems, EFY Intelligent Control has built a full-stack system encompassing the R&D, design, and manufacturing of drones. It has applied for over 500 independent intellectual property rights, and its business spans more than 40 countries and regions globally.

Thanks to the Beijing-Tianjin-Hebei coordinated development strategy, along with TEDA's industrial support and supply chain advantages in the low-altitude economy, i-KINGTEC, which was relocated to TEDA from Beijing in 2018, realized rapid growth here. For consecutive years, the company ranked first in China in terms of market share in the segment

market of intelligent drone inspection services. "Tianjin is a blessed place for our company to take off. Leveraging the momentum of Beijing-Tianjin-Hebei coordinated development, our company is soaring to new heights," said Zhu Shengli, co-founder and chief marketing officer of i-KINGTEC.

The clustering of the drone industry continues to drive the regional industrial upgrading. Early this year, the Beijing-Tianjin-Hebei Unmanned Intelligent Equipment Integration Base Project, with a total investment of 130 million yuan, settled down in the TEDA Yatsen Intelligence & Innovation Park. In May, this base, along with the TEDA Intelligent Unmanned Equipment Industrial Park and the Beitangwan Digital Economy Industrial Park, were approved for drone test flight airspace with an altitude of 120 meters. This breakthrough not only addressed the testing challenges for the drone industry but also effectively reduced R&D costs and cycles for enterprises, creating an effect of "attracting phoenixes through building nests". Just a few months later, YUN CHUANG TECHNOLOGY signed an agreement to settle in the TEDA Yatsen Intelligence & Innovation Park, adding significant

strength to TEDA's low-altitude economy industry.

The rise of the aerospace industry is a vivid testament to TEDA's high-quality development. Spearheaded by the "Big Rocket" project, TEDA's aerospace sector has, from the very beginning, occupied the commanding height of technology and has been continuously extending its industrial chain. It made admirable achievements in innovation for industrial integration through interdisciplinary empowerment. At the same time, leveraging the region's robust high-end equipment industry, TEDA has seized the development opportunities presented by the low-altitude economy, made the industry thrive and reach out to a broader scope. Moving forward, TEDA will accelerate technological innovation, foster new quality productive forces, and write down more eye-catching "TEDA Stories" in the aerospace industry.

## 泰达航空航天产业“硬核”起飞

渤海湾畔，天津经开区正以强劲的发展势头，在航空航天赛道全速前行。一方面，以“大火箭”为龙头的深空经济如火如荼，成为中国探索浩瀚宇宙的重要力量；另一方面，以无人机为核心的低空经济发展势头迅猛，正成为城市经济发展的强大引擎，生动诠释着创新驱动下先进制造业的转型升级与融合发展。

### “大火箭”龙头引领 泰达航空航天产业开局即抢占制高点

走进位于天津经开区西区的天津新一代运载火箭产业化基地，以“大火箭”为代表的高精尖企业正紧锣密鼓地推进各项工作。这个代表中国航天实力和国际先进水平的新航天城，承担着长征五号、长征五号B、长征七号、长征七号改、长征八号等运载火箭的生产、总装、测试等任务。前不久，在这里总装生产的长征八号甲遥四运载火箭成功将卫星互联网低轨12组卫星送入预定轨道，圆满完成任务。此前，长征系列火箭已在我国载人航天、探月工程、探火工程、空间站建设、北斗系统等重大国家航天工程中屡立奇功。

自2008年与“大火箭”牵手，经过近20年“打磨”，如今，天津经开区已汇聚航空航天项目30余个，航天睿特、航天瑞莱、中航保利等诸多高精尖企业均落地于此，一条覆盖原材料、研发、制造、测试的产业链条已然成型，为产业高质量发展打下坚实基础。



在这条“硬核”产业链上，始创于1916年的灯塔涂料格外亮眼。这家百年老字号企业的航空涂料成功应用于长征系列运载火箭、神舟系列载人飞船、“嫦娥”探月工程及“天宫一号”空间站上，护航其穿破苍穹、在极端温度下稳定作业。从民族涂料工业的开拓者到航天事业的守护者，灯塔涂料见证着中国工业不断发展的历程和天津这片土地的开拓创新精神。公司负责人表示，“我们要瞄准国际先进水平，研制高新技术产品，抢占涂料行业的技术制高点。”豪迈的话语中透露出发展的底气和对未来的期许。

这份底气根植于天津的城市基因和综合实力。作为中国近代工业的发祥地之一，天津拥有先进制造研发、人才与港口等优势，为航天产业发展提供了丰沃土壤。天津经开区的创新环境和专业服务更是为产业插上腾飞的翅膀，航空航天产业在这里愈加勃发，并向其他领域渗透，结出产业融合的硕果。

航天泰心科技有限公司就是其中的典范。该公司依托中国运载火箭技术研究院，与泰

达国际心血管病医院携手研制的HeartCon型植入式左心室辅助系统——“火箭心”于2022年获批上市。该产品成功将航天领域的磁悬浮技术应用于心衰治疗，关键技术指标达到国际同等水平，至今已挽救了190多名终末期心衰患者的生命。目前，更轻更强的第二代“火箭心”已通过中检院检测，即将启动全国多中心临床试验。

### 低空经济蓄势腾飞 产业集群效应日益凸显

在深空经济一片光明的同时，天津经开区敏锐把握发展机遇，将产业链延伸至无人机赛道，低空经济产业悄然起飞。目前，经开区拥有无人机相关企业30家左右，汇聚了以一飞智控、云圣智能、致导科技为代表的整机制造企业，以航天睿特为代表的原材料制造企业，以及新兴际华等软硬件研发企业，形成了覆盖无人机研发设计、生产制造、运营服务等领域的较为完备的产业链。

产业蓬勃发展的背后，是产业环境和营商环境的双重发力。2015年，一飞智控在天津经开区成立，在区域政策与服务的持续助力下，逐步成长为行业领军企业。“经开区会在我们需要的节点上，去助力企业往前进再一步。”一飞智控董事长齐俊桐道出了所有泰达企业的心声。如今，一飞智控以无人机集群控制系统为核心，构建起整机研发、设计及制造的全栈体系，申请自主知识产权500余项，业务覆盖全球40多个国家和地区。

得益于京津冀协同发展战略，以及天津经开区对低空经济的产业支持和供应链优势，2018年从北京迁来的云圣智能在泰达

快速发展，已连续多年位居无人机智慧巡检业务细分市场占有率国内榜首。“天津是我们创业的福地，借助京津冀协同发展的势头，企业正在越飞越高。”云圣智能联合创始人兼首席市场官朱胜利说。

无人机产业的集聚不断推动区域产业能级跃升。今年年初，总投资1.3亿元的京津冀无人智能装备产教融合基地项目落户经开区逸仙智创园。5月，该基地与经开区智能无人装备产业园、北塘湾数字经济产业园获批无人机试飞空域，试飞空域高度为120米，不仅解决了无人机产业的测试难题，还有效缩减了企业的研发成本和研发周期，并产生了“筑巢引凤”的效应。短短几个月后，云创科技（天津）有限公司便签约入驻逸仙智创园，经开区低空经济产业再添重要力量。

航空航天产业的崛起是天津经开区高质量发展的生动注脚。以“大火箭”为龙头，经开区的航空航天产业甫一开始就占据了科技的制高点，并不断延伸产业链，通过跨界赋能，形成产业融合的创新成果。同时，依托区域雄厚的高端装备产业，经开区抢抓低空经济的发展机遇，实现了产业的腾飞，拓展了产业的广度。未来，泰达将加速科技创新，培育发展新质生产力，在航空航天领域继续书写“泰达故事”。

## Industrial Cooperation Opportunities in TEDA

### I. National Strategy

#### Carbon Peak and Carbon Neutrality

Achieve carbon peak before 2030, and carbon neutrality before 2060.

Support areas: Government and regional policies to support low-carbon development, with enterprises transitioning to green models and financial structures facilitating green investment.

#### Zero Carbon Zones, Zero Carbon Factories & Green Factories

"Action Plan for Carbon Dioxide Peaking Before 2030": Build a number of green factories and zero-carbon zones.

TEDA has been selected as a National Carbon Peak Pilot Zone.

Support areas: low-carbon energy systems, industrial upgrading and circular economy, green buildings and infrastructure, and low-carbon transportation.

#### Large-scale Equipment Renewals

"Action Plan to Promote Large-scale Equipment Renewals and Trade-ins of

#### Consumer Goods"

Support areas: key production equipment in manufacturing, construction, energy, and transportation sectors; equipment for intelligent transformation; and green manufacturing equipment.

#### Urban renewal

From pilot projects to full-scale implementation.

From the "expansion phase" to the "stock optimization phase."

Support areas: systematic renovation of old communities, industrial hubs, commercial spaces, and municipal facilities for green, low-carbon urban transformation and sustainable development.

#### Energy Conservation & Emission reduction

China's core measures to address global climate change, overcome resource and environmental constraints, and promote high-quality development.

Support areas: enabling businesses to implement clean production and

improve energy efficiency, driving energy conservation and carbon reduction across the entire industrial value chain.

### II. Five Cooperation Scenarios

#### Cooperation Scenario 1 – Clean Energy

##### • Distributed PV Power Facilities

Application scenarios: Install distributed PV power facilities on the rooftops of park enterprises and public buildings.

Scale: TEDA currently has approximately 8 million m<sup>2</sup> of unused rooftop space, with 2 million m<sup>2</sup> available on rooftops of government buildings, schools, and hospitals, providing potential for 0.7 GW of installed capacity in the future.

Key areas: High-efficiency PV modules, smart inverters, energy storage integration, and green operation & maintenance technologies, expanding applications in "PV + 5G base stations" and "PV + electric vehicle charging stations."

##### • Energy Storage

Application scenarios: Match appropriate energy storage facilities based on the specific needs of renewable energy integration, grid balancing, user-side economics, and emergency backup.

Scale: By 2027, the energy storage demand is expected to be around 500 MW/1000 MWh, and by 2030, it is projected to reach 1 GW/2 GWh.

Key areas: Energy storage system design, integration, and operation & maintenance tech companies;

encouraging projects related to lithium batteries, long-duration storage, energy management systems, battery recycling, and safety standards.

##### • Geothermal Utilization

Application scenarios: Develop clean steam and thermal energy supply to meet the continuous heat demand of high-energy-consuming industries, such as biopharmaceuticals.

Scale: The estimated geothermal reserves in TEDA are sufficient to meet the heating needs of at least 10 million m<sup>2</sup>. Currently, 5 geothermal wells are operational, with plans for 16 more.

Key areas: Geothermal equipment manufacturers and investors.

##### • Biomass Power

Application scenarios: Utilize surrounding agricultural waste, urban organic waste, industrial organic by-products, etc., to promote the construction of biomass power generation facilities.

Scale: Tianjin generates over 5 million tons of kitchen waste, crop straw, food, and paper processing waste annually. The park plans to retrofit two coal-fired circulating fluidized bed boilers into 65-ton/hour biomass fuel circulating fluidized bed boilers.

Key areas: Biomass power generation technology, fuel treatment and conversion, generator set integration, combined heat and power (CHP), and operation & maintenance management.

#### Cooperation Scenario 2 – Renovation and Renewal



- Equipment Upgrade

Application scenarios: Smart and green transformation of traditional industries, high-precision equipment for emerging sectors, and energy-saving, emission-reducing upgrades in petrochemicals.

Scale: By 2024, the number of enterprises in TEDA will exceed 50,000, with a total industrial output value of over 500 billion RMB. 30% of enterprises have equipment over 10 years old, creating a massive renovation demand. The short-term market size (by 2027) is estimated at 50 billion RMB, with the potential to exceed 100 billion RMB by 2030.

Key areas: Cooperation direction: Suppliers of efficient motors, smart transformers, air compressors, VOCs treatment, wastewater zero-emission equipment, and tech companies in energy-saving design and smart management.

- Urban Renewal

Application scenarios: Energy retrofitting of old communities, factories, commercial districts, and public infrastructure (including municipal networks), improving supporting services and enhancing smart management capabilities.

Scale: Tianjin Binhai New Area plans to renovate over 100 communities annually, with a total construction area exceeding 4 million m<sup>2</sup>. Renovation projects for hospitals, schools, commercial complexes, and cultural tourism sites are also underway. This year, over 300 million RMB has been spent on the renovation of old communities in TEDA East, with 180 elevators already applied for, and

the number is expected to double next year.

Key areas: Suppliers of energy-efficient elevators, green building materials, smart city systems, and related engineering design, consulting, and operation & maintenance service companies.

### Cooperation Scenario 3 – Resource Recycling

- By-product Hydrogen Reuse

Application scenarios: Renewable energy-based hydrogen production and hydrogen-to-electricity conversion, as well as utilizing hydrogen in the petrochemical industry to produce green methanol, ammonia, and other chemical products.

Scale: TEDA Nangang, Tianjin's petrochemical hub, produces over 100,000 tons of by-product hydrogen annually, enough for 20,000 hydrogen fuel cell trucks. Strong hydrogen demand in Tianjin supports industrial, transportation, and energy storage applications.

Key areas: Advanced technologies and equipment for hydrogen production, storage and transportation, hydrogen-to-electricity conversion, and hydrogen-based chemical product synthesis, as well as providing system integration solutions.

- Waste Heat Recovery & Utilization

Application scenarios: Promote the remanufacturing and recycling of used cars and parts, explore export cooperation with overseas markets, and establish a recycling network in Europe and other regions. Meanwhile, strengthen aftermarket capabilities

and promote shared production lines and technologies for core components remanufacturing.

Scale: By 2025, China's used car transaction volume is expected to exceed 20 million units, with over 18 million vehicles being scrapped annually.

Key areas: Advanced used car and component remanufacturing technology partners (inspection & evaluation, remanufacturing tech), jointly building production lines, sharing repair and remanufacturing technologies, while exploring cross-border market cooperation to connect domestic and international industry networks.

### Cooperation Scenario 4 – Ecological Environmental Protection

- Hazardous Waste Treatment

Application scenarios: Recovery

and recycling of hazardous waste and chemical solvents, especially ethanol, ether, and other chemicals used in the nucleic acid pharmaceutical industry parks and related chemical enterprises.

Scale: Hazardous waste from industries like chemicals, pharmaceuticals, and automotive/painting is expected to exceed 1 million tons by 2025, with current treatment capacity at 600,000 tons (mainly incineration and landfilling). Gap in processing high-value hazardous wastes (e.g., chemical salts, heavy metal sludge) requires a systematic collection, treatment, and recycling system for sustainable waste management and resource efficiency.

Key areas: Hazardous waste treatment technology, solvent recovery systems, recycling solutions, and operation & maintenance service providers.



- Mobile emission Control

Application scenarios: Emission control for freight trucks and non-road mobile machinery (e.g., forklifts, excavators).

Scale: In 2024, Tianjin's highway freight volume is expected to exceed 350 million tons, with over 1 million truck deliveries at Tianjin Port and more than 20,000 vehicles operating daily within the port area. The logistics, construction, and industrial transport sectors have a large scale of mobile pollution sources, creating a significant demand for exhaust treatment and vehicle upgrades.

Key areas: Advanced solution providers for exhaust treatment technology, filtration and catalytic devices, emission monitoring, and operation & maintenance services.

- CCUS

Application scenarios: Promote CCUS technology to reduce and recycle CO2 emissions from industrial exhaust.

Scale: High-energy industries (e.g., petrochemicals, power) emit over 20 million tons of CO2 annually, with industrial processes accounting for 60%, driving strong CCUS demand. A replicable demonstration model is being explored. CCUS research and application are key focuses for green development, supported by the CHD (China Huadian Corporation) Nangang cogeneration project.

Key areas: CCUS technology, CO2 capture equipment, transportation and storage solutions, and advanced technologies and system integration solutions in carbon utilization.

## Cooperation Scenario 5 – Intelligent Transformation

- Smart Park

Application scenarios: Digital and intelligent transformation of industrial parks, including smart parking systems, centralized energy management, and equipment operation & maintenance monitoring platforms.

Scale: The first phase includes pilot projects at Tianda Technology Park, Beitangwan Digital Economy Industrial Park, and Intelligent Unmanned Equipment Industrial Park, covering a total area of 500,000 m<sup>2</sup>. The overall transformation will eventually cover 1.2 million m<sup>2</sup>, with a wide range of intelligent application scenarios.

Key areas: Technologies and systems for smart parking, energy management, equipment monitoring, data analysis, and platform integration.

- VPP

Application scenarios: Integrate adjustable resources within the park and surrounding areas (e.g., PV, wind, energy storage, industrial/commercial loads, EV charging facilities) to build a Virtual Power Plant.

Scale: In the future, TEDA will integrate various distributed energy and storage resources to create significant adjustability, supporting ancillary services markets, demand response, electricity spot markets, and internal energy storage optimization.

Key areas: Distributed energy aggregation, Energy Management System (EMS), real-time dispatch

platforms, data analysis, and optimization algorithms.

- Carbon Management Platform

Application scenarios: Build a park carbon and energy management platform to enable real-time monitoring, analysis, and optimization of carbon emissions, energy consumption, and renewable energy usage.

Scale: The platform will cover key enterprises and public facilities in the park, gradually establishing a comprehensive carbon and energy management system. It will enable full monitoring and optimization of energy consumption and carbon emissions, providing data support and decision-making foundations for future low-carbon operations.

Key areas: Energy consumption monitoring, carbon emission data collection and analysis, carbon asset management, and optimization decision-making systems, along with related technical and service solutions.

## III. Cooperation Models & Policy Support

### Cooperation Models

- Technical Service

Provide key tech, system integration, and O&M services for the above scenarios, supporting the park's green, low-carbon transformation.

- Equipment Manufacturing

Introduce efficient clean energy equipment, energy-saving devices, and smart management terminals, promoting local production to enhance supply chain stability and

regional support.

- Scenario Co-creation

Develop customized green and low-carbon solutions based on the specific application needs of the park and enterprises, creating replicable and scalable model projects.

- Investment & Co-construction

Participate in park infrastructure construction and operation through investment, joint ventures, or project companies, achieving resource sharing, risk-sharing, and market expansion.

### Policy Support

- National Level

Projects aligned with national priorities: direct subsidies (renewable energy, carbon sinks), tax incentives (CCUS equipment VAT exemptions), green loans (low-interest financing), market-based incentives (carbon markets, green certificate trading).

- Local Level

Open the park market and assist enterprises in accessing various resources; provide support in fixed asset investment, R&D, patent applications, and talent acquisition for companies participating in the above scenarios in TEDA.

## 天津经开区产业合作场景

### 一、国家战略

#### 碳达峰碳中和

2030 年前实现碳达峰，2060 年前实现碳中和。

支持方向：政府与园区制定低碳发展路径，企业推进绿色转型，金融机构加大绿色投融资支持。

#### 零碳园区、零碳工厂、绿色工厂

《2030 年前碳达峰行动方案》：建设一批绿色工厂和零碳园区。

泰达已入选国家级碳达峰试点园区名单

支持方向：能源系统低碳转型、产业低碳升级与循环经济、绿色建筑与基础设施、交通领域电动化与低碳化。

#### 大规模设备更新

《推动大规模设备更新和消费品以旧换新行动方案》

支持方向：制造业、建筑业、能源和交通领域的关键生产设备、智能化改造设备、绿色制造设备。

#### 城市更新

城市更新战略从试点到全面推开，从“规模扩张”阶段进入到“存量优化”阶段。

支持方向：老旧小区、产业载体、商业空间、市政设施等系统化改造与城市功能优化，实现城市绿色低碳转型和可持续发展。

#### 节能减排

中国应对全球气候变化、破解资源环境约束、推动高质量发展的核心举措。

支持方向：企业实施清洁生产与能效提升，推动工业领域全产业链节能降碳。

### 二、五大合作场景

#### 合作场景 1——清洁能源

- 分布式光伏发电设施

合作场景：在园区企业、公共建筑屋顶建设分布式光伏发电设施。

规模情况：园区现有未利用屋顶面积约 800 万平方米，政府、学校、医院等公共建筑屋顶面积 200 万平方米，未来可装机 0.7GW。

合作方向：高效光伏组件、智能逆变器、储能集成及绿色运维技术，拓展“光伏 +5G 基站”、“光伏 + 新能源汽车充电站”

- 储能

合作场景：依托可再生能源消纳、电网调解、用户侧经济性、应急保障的具体需求，匹配相应储能设施。

规模情况：到 2027 年储能需求，约 500MW/1000MWh，到 2030 年，1GW/2GWh

合作方向：重点招引储能系统设计、集成及运维技术企业；鼓励锂电与长时储能、能量管理系统、电池回收及安全标准相关项目。

- 地热资源利用

合作场景：开发清洁蒸汽与热能供应，满足高耗能企业（如生物医药）持续用热需求。

规模情况：天津经开区地热资源至少可满足 1000 万平方米建筑供暖需求。目前经开区内已建成 5 口地热井，近期规划还可开发 16 口。

合作方向：地热设备制造商和投资者。

- 生物质能发电

合作场景：利用周边农业废弃物、城市有机垃圾、工业有机废料等资源，推动生物质能发电设施建设。

规模情况：天津全市每年产生厨余垃圾、农作物秸秆、食品和造纸等加工废料超过 500 万吨。园区计划将 2 台燃煤循环流化床锅炉改造为 65 吨 / 小时的生物质燃料循环流化床锅炉。

合作方向：生物质能发电技术、燃料处理与转化、发电机组集成、热电联产及运维管理等。

#### 合作场景 2——改造更新

- 设备更新

合作场景：传统产业智能化、绿色化转型；战略新兴产业带动高精度、高可靠性专用设备；石油化工企业推进节能减排、生产安全改造。

规模情况：截至 2024 年底，天津经开区企业数量已超过 5 万家，规上工业总产值超过 5000 亿元，其中，30% 企业设备服役超过 10 年，改造需求市场巨大，整体市场规模短期（2027 年）大概 500 亿元，中长期（2030 年）有望突破千亿。

合作方向：效电机、智能变压器、空压机、高效耐腐蚀循环泵、耐高压管路、VOCs 处理、工业废水零排放环保治理设备等设备供应商以及相关节能改造设计、设备监测、智能运维和管理等技术企业。

- 城市更新

合作场景：老旧小区、厂房、商圈及相关市政管网等公共基础设施进行节能改造、完善相关配套服务、提升智能化管理水平。

规模情况：目前滨海新区每年计划改造小区超过 100 个，总建筑面积超过 400 万 m<sup>2</sup>；

医院、学校、商业综合体、文旅场所改造工程。今年仅泰达东区老旧小区设施改造支出超过 3 亿元，已申报电梯 180 部，预计明年数量将增加一倍。

合作方向：高效节能电梯、绿色建筑材料、智慧城市系统供应商以及相关工程设计咨询、运维服务企业。

#### 合作场景 3——资源循环

- 副氢产品再利用

合作场景：可再生能源制氢及氢能转电，以及在石化产业链中利用氢生产绿色甲醇、氨等化工产品。

规模情况：泰达南港片区是天津市石化产业核心区，副产氢资源丰富，超过 10 万吨 / 年，可满足约 2 万辆氢燃料电池重卡的需求。天津地区对氢能需求旺盛，可匹配工业、交通、储能等多场景。

合作方向：制氢、氢储运、氢 - 电能转换及氢基化工产品合成等环节的先进技术、设备及提供系统集成解决方案。

- 余热回收与综合利用

合作场景：推动园区供给侧、需求侧和用户侧余热回收利用，促进冷热能量回收与转化。

规模情况：天津经开区工业余热年排放总量约为 150 万吨标准煤，而且余热分布集中（南港），企业协同基础好（产业链紧密衔接，隔墙供应），园区热力管网基础设施完善。

合作方向：余热回收技术、热泵及冷热能量转化设备、系统集成及运维管理等方面有技术优势的企业。

- 塑料产品回收与再利用

合作场景：依托中资环集团的全国回收

体系优势，引入循环经济关联技术，实现塑料废弃物的资源化、产业化利用。

规模情况：中国已成为全球最大的塑料生产和消费国，年产量约占全球的三分之一，每年废弃塑料制品超过 6000 万吨，其中有一半的量未能有效回收。目前中国资源循环集团在全国布局塑料回收及再生业务，覆盖主要工业园区及商业应用场景，未来塑料回收及再利用项目在规模和应用场景上均有广阔发展空间。

合作方向：化工及塑料回收领域的先进技术与设备，同时欢迎商业链上下游企业参与。

- 二手车及零部件回收与再利用

合作场景：推动二手车及零部件再制造和循环利用，探索海外市场出口合作，搭建欧洲及其他地区的循环利用网络；同时加强后市场能力建设，推动核心零部件再制造产线和技术共享。

规模情况：2025 年，中国二手车交易量有望突破 2000 万辆大关，每年中国报废汽车超过 1800 万辆。

合作方向：先进二手车及零部件再制造技术合作伙伴（检测评估、再制造技术），共建生产线、共享修复和再制造技术，同时探索跨境市场合作，实现国内外产业网络互联。

#### 合作场景 4——生态环保

- 危险废物处理

合作场景：危废和化学溶剂的回收与循环利用，尤其核酸医药产业园及相关化工企业中使用的乙醇、乙醚等化学品。

规模情况：随着化工、医药、汽车 / 涂装等产业的危险废弃物产量逐年增加，预计

2025 年超过 100 万吨，目前处理能力约 60 万吨（以焚烧、填埋为主），化工废盐、含重金属污泥等高附加值危废处理能力不足，亟需建立系统化的收集、处理与循环利用体系，推动工业废弃物的可持续管理与高效资源化利用。

合作方向：危废处理技术、溶剂回收系统、循环利用方案及运维服务等企业。

- 移动源废气治理

合作场景：货运汽车及非道路移动机械（如叉车、挖掘机等）移动源废气治理。

规模情况：2024 年，天津市公路货运量超过 3.5 亿吨，天津港集疏港车辆配送突破 100 万次，港区日均运行车辆超过 2 万辆。物流、施工及工业运输环节有庞大的移动污染源规模，尾气治理和车辆升级改造方面需求巨大。

合作方向：尾气治理技术、过滤与催化装置、排放监测及运维服务等先进方案供应商。

- 碳捕捉与封存

合作场景：推进 CCUS 技术应用，实现工业尾气二氧化碳减排与资源化利用。

规模情况：石化、电力等高耗能产业，年碳排放超过 2000 万吨，其中工业过程排放占比超过 60%，对 CCUS 需求强烈；可探索形成可推广的示范模式。目前依托华电南港热电项目，园区已将 CCUS 技术研究与应用列为绿色低碳发展的重点方向之一。

合作方向：CCUS 技术、二氧化碳捕集设备、运输与封存方案，以及碳利用等领域的先进技术和系统集成方案。

#### 合作场景 5——智能化改造

- 智慧园区

合作场景：工业园区数字化和智能化改造，包括智能停车系统、能源集中管控、设备运维监控及管理平台等。

规模情况：首期以天大科技园、北塘湾数字经济产业园、智能无人装备产业园为试点，改造园区总面积约 50 万平方米，覆盖主要企业及公共设施；未来整体改造覆盖园区总面积约 120 万平方米，具备丰富的智能化应用场景。

合作方向：智能停车、能源管理、设备监控、数据分析及平台集成等技术和系统合作。

- 虚拟电厂

合作场景：整合园区及周边可调节资源（光伏、风电、储能、工商业负荷、电动汽车充电设施等），建设虚拟电厂。

规模情况：未来园区将通过整合多类分布式能源及储能资源，形成可观调节能，支持辅助服务市场、需求响应、电力现货市场及内部储能优化管理。

合作方向：分布式能源聚合、能源管理系统（EMS）、实时调度平台、数据分析与优化算法等技术。

- 碳管理平台

合作场景：建设园区碳能管理平台，实现碳排放、能耗和可再生能源使用的实时监测、分析与优化。

规模情况：平台将覆盖园区重点企业及公共设施，逐步搭建完整的碳能管理体系，实现对园区能耗与碳排放的全面监控和优化，为后续低碳运营提供数据支撑和决策依据。

合作方向：能耗监测、碳排放数据采集与分析、碳资产管理及优化决策系统等技术与服务方案。

### 三、合作模式及政策支持

#### 合作模式

- 技术服务合作

为上述各类场景提供关键技术、系统集成和专业运维服务，支持园区绿色低碳转型落地。

- 设备制造合作

引入高效清洁能源设备、节能改造装置及智能化管理终端，推动设备的本地化生产与组装，提升供应链稳定性和区域配套能力。

- 场景共创合作

结合园区和企业绿色化转型的具体应用需求，开发定制化绿色低碳解决方案，打造可复制、可推广的标杆项目。

- 投资共建合作

通过投资、合资或项目公司等模式参与园区基础设施建设与运营，实现资源共享、风险共担和市场拓展。

#### 政策支持

- 国家层面

符合国家鼓励方向的项目：资金直补（再生能源发电、碳汇等补贴）、税收优惠（CCUS 购置设备减免增值税）、绿色信贷（提供低息贷款）、市场机制激励（碳市场、绿证交易等）。

- 地方层面

开放区内市场，协助企业对接区内各种资源；

对在天津经开区参与上述场景的企业，在固定资产投资、研发投入、专利申请、人才引进等方面提供一定的扶持。

## Made-in-TEDA Goes Global

TEDA is a main carrier of advanced manufacturing in Tianjin and North China, and home to globally competitive high-end manufacturing enterprises. SBLUE, a "Little Giant" in underwater robots, EMAGING, a pioneer in magnetic bearing technology, Reach Surgical, a leader in minimally invasive surgical equipment, SINOMED, an innovator of world-first interventional medical devices, and numerus enterprises have been thriving here. Let's take a look at these TEDA-based enterprises and their star products.

**SBLUE | Underwater Scooter**  
A Multi-time Winner of International Awards  
A Leader of Intelligent Underwater Equipment Company Profile

### Company Profile

Founded in 2013, SBLUE is a pioneer and leader in underwater robotics in China. It is a system-based, high-tech enterprise focused on technological innovation. Headquartered in TEDA, the company has offices and subsidiaries in Shenzhen, Hong Kong, Beijing, Los



Angeles, and Amsterdam.

The company has made various technological breakthroughs such as underwater integration, underwater propulsion systems, underwater control systems, and underwater navigation. It provides enterprise clients with industrial-grade products like remotely operated vehicles (ROVs), autonomous underwater vehicles (AUVs), autonomous underwater gliders (AUGs), as well as related industry solutions. Its products serve industries such as marine scientific research, marine engineering, water resources and hydropower, emergency rescue, offshore wind power, underwater security, etc.

SBLUE™ made its mark in 2016, specializing in water sports and entertainment products like underwater scooters and outboard motors for personal use, alongside pool cleaning robots and underwater drones for maintenance and platform systems.

The company holds 396 patents, including 78 international patents, and has participated in 5 key national R&D projects, while leading 2 major military-civilian integration special projects.

### Awards & Honors

SBLUE is recognized as a National High-tech Enterprise and a National-level Specialized and Innovative "Little Giant" Enterprise. It has been approved as a Key Laboratory for Intelligent Underwater Unmanned Systems in

Tianjin.

Its products have won various prestigious awards, including China Red Star Design Award, the American IDEA Design Award, the German Red Dot Design Award, the German IF Design Award, and China Patent Award.

### Star Products

**SBLUE Underwater Robots and Scooters**

SBLUE has developed several internationally competitive products across industrial and consumer markets, filling numerous gaps in this sector.

**WhiteShark Max:** the world's first small-sized consumer underwater robot, and SBLUE's first underwater robot to win the Red Dot Award

**SBLUE Mix:** the world's first dual-propulsion underwater scooter, winning China Design Red Star Award and the CES Asia Innovation Award

**SBLUE Navbow+:** underwater scooter that integrates data display and photography expansion functions with multiple personalized settings options, making it the flagship product of SBLUE

**SBLUE BlueNexus:** the world's first smart mapping and path-planning robotic pool cleaner

**WYBOTICS | Robotic Pool Cleaners**

Certified to the Highest Industry Standards in the EU, North America, the US, Australia, etc  
Recipient of Multiple International Awards

### Company Profile

Founded in 2005, Tianjin WYBOTICS Intelligent Technology Co., Ltd. (WYBOTICS) is China's first company to integrate R&D, manufacturing, and sales of pool cleaning robots. WYBOTICS has actively expanded globally, establishing subsidiaries in the United States, Europe, Hong Kong, and other regions. Today, WYBOTICS' products are sold in over 30 countries and regions worldwide, and the company holds more than 150 patents along with a collection of prestigious international awards.

Since its inception, the company has prioritized technological innovation, staying ahead of future trends and actively addressing market pain points and user needs. WYBOTICS has driven several technological upgrades in the pool cleaning robot industry, leading three major innovations:

**Lightweight Design (2009):**  
Launched a lightweight product tailored to the needs of the small above-ground pool market, filling a gap in the market.

**Cordless Design (2017):** Introduced pool cleaning robots with built-in lithium batteries, addressing the industry's pain points related to bulky and tangled cables, and advancing technology from version 1.0 to 2.0.

**Smart Technology (2023):**  
Released the S2 Pro with underwater communication and self-docking features, along with the world's first pool cleaning robot supporting underwater 3D modeling, ushering in the 3.0 fully smart era of pool cleaning robots.

### Awards & Honors

WYBOTICS is a National High-tech Enterprise, and its products have received numerous international awards:

WYBOT S2SV won the 2025 CES Innovation Award.

WYBOT S2 Pro won the 2024 New York Product Design Gold Award.

WYBOT M2 received the 2024 French Design Platinum Award.

WYBOT C1 won the 2024 Paris DNA Design Award.

WYBOT S2 was named the Best Wireless Pool Cleaning Robot of 2024 by CBS News and was ranked as the Best Pool Cleaning Robot Brand of 2025 by Computerbild & Statista GmbH.

#### Star Products

WYBOT S2, WYBOT M2, WYBOT S3 Pool Cleaning Robots

The WYBOT S2 and WYBOT M2 are the world's first wireless pool cleaning robots that automatically return to their charging stations underwater and use visual technology for autonomous cleaning. The WYBOT S3 is designed by WYBOTICS to enhance pool cleaning efficiency and intelligence. It integrates cutting-edge technologies, including the world-leading multi-sensor fusion underwater 3D mapping technology. This allows it to precisely sense the underwater environment, create real-time 3D maps of the pool, intelligently identify dirty areas, plan optimal cleaning paths, and avoid underwater obstacles.

**MOVER | Autonomous Mobile Robot**  
Focusing on AI Algorithms and Robotics Technology



#### Widely Applied in Multiple Fortune 500 Factories

##### Company Profile

Tianjin Allians Technologies Co., Ltd. established in 2013. Allians is a national high-tech enterprise that integrates the research, development, design, manufacturing, and application solutions of AMR (Autonomous Mobile Robots). With AI algorithms and robot application technologies as its cornerstone, Allians is dedicated to the research and application of AMR, amassing a plethora of core intellectual property rights. Its independently developed robot MOVER and digital logistics solutions are widely applied across industries such as electronics, semiconductors, photovoltaics, new materials, pharmaceuticals, and manufacturing.

##### Awards & Honors

Allians was recognized as a Tianjin Eagle Enterprise in 2021, a key "Project + Team" of Tianjin in 2020. In 2019, it received the "Smart Manufacturing Hope Star" award, along with special support for the development of Tianjin's core autonomous robot enterprises.

##### Star Products

MOVER Autonomous Mobile Robot

Allians' self-developed MOVER series AMRs, with AI algorithms and multiple robot application technologies as its core, has the characteristics of autonomous decision-making. Through environmental perception, intelligent control and other technologies, it can achieve trackless transfer in complex scenarios without being limited by the scene. In conjunction with the MOVER manager, a robot scheduling center, it can exchange data with user management systems to achieve fleet management, task coordination, data monitoring, and more. At present, the MOVER series products have been maturely applied in many Fortune 500 factories.

#### LONYU Robot | Heavy-duty AGV

##### Entering European and American Markets

##### Breaking Global Single-load AGV Records

##### Company Profile

Tianjin LONYU Robot Co., Ltd. is a global leader in heavy-duty Automated Guided Vehicles (AGVs). It is the only high-tech enterprise in China that integrates mechanical, electrical, and software R&D. The company specializes in the R&D and production of heavy-duty AGVs,



smart factories, unmanned driving, and intelligent logistics systems, with international-leading technology levels. The products are mainly divided into indoor and outdoor heavy-duty AGVs, outdoor park logistics unmanned AGVs, and port container unmanned AGVs. They are widely used in national defense industry construction and other key sectors of the national economy across 30 provinces and cities in China. Additionally, they are exported to the United States, Russia, Sweden, and other countries. Prominent clients include China Aerospace, China First Heavy Industries (CFHI), CRRC (China Railway Rolling Stock) Corporation, SANY Group, General Electric (GE), Siemens, and more.

The company holds over 180 patents for proprietary intellectual property and has jointly formulated the group standard Technical Specifications for Heavy-duty Mobile Robots in Industrial Applications. In 2023, LONYU Robot participated in internationally renowned exhibitions such as the LogiMAT, Hannover Messe, and Logis-Tech Tokyo, showcasing its technological innovations and rich application cases in the heavy-duty AGV field. The company's products and technology have received high recognition from international peers.

##### Awards & Honors

LONYU Robot has received honors such as National-level Specialized and Innovative "Little Giant" Enterprise, National High-tech Enterprise, Tianjin Enterprise Technology Center, Tianjin Intellectual Property Advantage Enterprise, and Tianjin Gazelle

Enterprise.

#### Star Products

##### LONYU 600-ton Heavy-duty AGV

The LONYU 600-ton heavy-duty AGV, which was rolled out in 2024, has set a new global loading record for the company. This AGV utilizes technologies including heavy-loading and lightweight chassis optimization, an adaptive heavy-duty balance system, precise control and positioning for heavy-duty vehicles. It has been successfully applied in the wind power sector.

##### LONYU Outdoor Unmanned Heavy-duty AGV

LONYU's outdoor unmanned heavy-duty AGV is the first commercially used and successfully verified project in China, achieving unmanned logistics from one workshop to another. It fills the gap in the domestic market for heavy-duty material handling robots in complex scenarios.

#### EMAGING | Maglev+ Products

A Technological Breakthrough in Chinese Market  
One of the Best Among Its Peers Globally

#### Company Profile

Established in 2006, EMAGING is a high-tech enterprise specialized in design, research, development, manufacturing and industrialization of maglev high-speed rotating machinery. As a leader in maglev technology field, it owns full intellectual property rights of "four core technologies" including magnetic bearing technology, high-speed PM motor technology, high-

frequency vector type inverter technology and high-efficiency fluid machinery technology. EMAGING and ESURGING are the two brands of EMAGING. Headquartered in Tianjin with Shanghai as R&D center, Tianjin and Zhejiang as R&D and manufacturing base, EMAGING is dedicated to providing standardized and customized "maglev+" products portfolios, solutions and services for global customers. To date, more than 6,000 EMAGING products are operating in a low-carbon manner worldwide. EMAGING participates in the formulation and revision of multiple national and industry standards and undertakes the national key project High-speed Precision Magnetic Levitation Bearings.

#### Awards & Honors

EMAGING has been recognized as a National High-tech Enterprise and a National-level Specialized and Innovative "Little Giant" Enterprise. ESURGING maglev turbo blowers have been certified as Internationally Leading by the Ministry of Industry and Information Technology (MIIT), and have been included in the Energy Efficiency Star Product Directory, National Key Energy-saving and Low-carbon Technology Promotion Directory, and the Green Technology Promotion Directory.

#### Star Products

##### Maglev+ Products

EMAGING has developed a series of internationally advanced magnetic levitation products, including magnetic levitation high-speed motors, high-frequency vector inverters, magnetic levitation compound molecular

pumps, magnetic levitation blowers, magnetic levitation turbo vacuum pumps, magnetic levitation air compressors, and magnetic levitation refrigeration compressors. In 2017, EMAGING developed and produced the world's largest, most efficient, and most complete series of magnetic levitation blowers. In 2018, EMAGING's self-developed magnetic levitation blowers were exported to the United States, marking the first time that China's high-power magnetic levitation blowers were sold internationally, signaling China's magnetic levitation bearing technology reaching world-class standards.

#### RIANLON | Antioxidant, Light Stabilizer

Only One in China, One of Two Global Companies with the Most Comprehensive Product Portfolio in the Polymer Materials Anti-aging Industry

#### Company Profile

RIANLON is a global leader in chemical and biological platform technologies. It is the only company in China and one of two worldwide with the most comprehensive product portfolio in the polymer materials anti-aging industry. Additionally, it is



the first A-share listed company in China in its sector. The company has strategically developed three core business segments: polymer materials anti-aging, strategic lubricants additives, and innovative life sciences.

Headquartered in Tianjin Economic-Technological Development Area (TEDA), RIANLON operates four subsidiaries in Europe, the United States, Hong Kong, and Japan, with offices in South China (Guangzhou), East China (Suzhou), and North China (Tianjin). The company serves customers globally and is partnered with nearly all major polymer material companies across various applications, including 9 out of the top 10 global paint companies and 36 out of the top 50 global chemical companies.

#### Awards & Honors

RIANLON has been recognized as a National Manufacturing Single-product Champion Enterprise, a National High-tech Enterprise, and a Tianjin Municipal-level Specialized and Innovative Enterprise. It has also been ranked on China's Top 500 Petrochemical and Chemical Enterprises Sales Revenue List from 2019 to 2024 for six consecutive years.

#### Star Products

RIANLON Antioxidants and Light Stabilizers

Leveraging six major production bases, RIANLON has the production capacity to support a full range of polymer material anti-aging additives, including antioxidants, light stabilizers, and comprehensive solution series. The company is

the only global supplier with dual-base production for nearly all of its products. With extensive experience in heat-oxidation aging and weather resistance applications for polymer materials, RIANLON's products cover various polymer material applications, including automotive, electronics and electrical, agricultural films, and more.

### Reach Surgical | Minimally Invasive Surgical Equipments

1st in China, 3rd in the World to Provide Comprehensive Minimally Invasive Surgical Solutions

Reach Surgical's ENDO III Stapler Breaks Through Patent Barriers in Europe and the U.S.

#### Company Profile

Founded in Beijing in 2005 and settled in Tianjin Economic-Technological Development Area (TEDA) in 2009, Reach Surgical (Tianjin) Co., Ltd. is a technology-leading enterprise that integrates R&D, production, and sales for surgical stapler products and energy-based surgical products. The company primarily focuses on the field of minimally invasive surgery. It boasts a 21,000-square-meter intelligent manufacturing center, along with advanced facilities such as 100,000-class and 10,000-class cleanrooms, and an EO sterilization station. Its product portfolio covers four major series: open staplers, endoscopic staplers, ultrasonic systems, and electrosurgical systems. Its sales network covers over 2,000 hospitals across China.

All products have obtained NMPA and EU CE certifications, with some also receiving FDA approval. The

company currently holds 177 valid patents and 65 overseas issued patents. Its self-designed ENDO III series endoscopic stapler is the first domestic brand to enter the European market. The company's self-developed next-generation powered endoscopic stapler has been promoted and applied in 29 provinces across China. It is also exported to over 30 countries, including Brazil, South Korea, France, and Germany.

#### Awards &Honors

Reach Surgical has received numerous honors, including National High-tech Enterprise, National-level Specialized and Innovative "Little Giant" Enterprise, Tianjin Manufacturing Single-product Champion Enterprise, and Tianjin Technology Leadership Enterprise. It has been recognized as a Tianjin Enterprise Technology Center and a Tianjin Minimally Invasive Surgical Instrument Technology Engineering Center.

#### Star Products

Disposable Powered Endoscopic Linear Cutting Stapler and Cartridge (iReach Magnum)

The "iReach Magnum", a new-generation powered stapler self-developed by Reach Surgical, features an innovative disposable blade design in its cartridge. This product is primarily applied for tissue dissection, resection, and anastomosis in open or minimally invasive surgeries in general surgery, gynecology, urology, and thoracic surgery. It can also be applied for the resection and transection of liver tissue. Currently, the product is used in over 2,000 hospitals across 30

provinces in China and has sold over a million units globally.

### Ener Reach OP9 Generator and OSA Advanced Bipolar Vessel Sealer

On August 2024, Ener Reach OP9 Generator and OSA Advanced Bipolar Vessel Sealer self-developed by Reach Surgical received CE and NMPA approvals, respectively. The Ener Reach OP9 Generator can output both ultrasonic and electrosurgical energy, which is the world's first integrated energy platform with dual interfaces capable of achieving 7mm vessel sealing. The innovative designs such as intelligent algorithms control meet the needs of various surgeries in general surgery, thoracic surgery, gynecology, urology, and other departments.

### Dexiang Biotech | Intelligent Microfluidic Technology Breakthroughs in Blood Testing Technology

#### Company Profile

Tianjin Dexiang Biotechnology Co., Ltd. (hereinafter referred to as Dexbio), established in 2011, is a leading biotechnology firm engaged in specializing in research, development, production, and sales in the field of in vitro diagnostics. Dexbio specializes in microfluidic technology, pre-transfusion testing technology, and smart pipeline technology, and has over 60 patented technologies and a rich product portfolio. It has significant advancements in column agglutination technology, platelet antibody detection technology, microfluidic technology, and antigen purification technology. Dexbio has established a Sci-Tech Innovation

Acceleration Center for medical devices and in vitro diagnostics, along with an Idea Validation Platform and a Postdoctoral Research Workstation Substation. Dexbio's marketing network and technical support team cover 30 provinces, municipalities, and autonomous regions across the country.

#### Awards &Honors

Dexbio has earned accolades including one of the first batch of key National-level "Little Giants" in the new round of national initiatives, National High-tech Enterprise, National-level Specialized and Innovative "Little Giant" Enterprise, China Hidden Unicorn Enterprise, Tianjin Gazelle Enterprise, Leading Enterprise in the Strategic Emerging Industries in Tianjin, and Tianjin Technology Leading Enterprise.

#### Star Products

Dexbio's self-developed microfluidic series testing cards apply microfluidic technology to the field of safe blood transfusion, holding complete independent intellectual property rights. The core patents cover both the reagents and the instruments, with invention patents granted in China, the United States, and the European Union. Dexbio has successfully developed the industry's first intelligent blood typing analyzer and the first intelligent blood typing analysis production line. The commercialization project of the microfluidic smart blood transfusion testing platform won the 2021 National Innovation Award from the China Invention Association and the 2024 Major Scientific and Technological Special Project in Tianjin.

## Century Healthcare | Foldable

### Intraocular Lens

First-of-its-kinds in China and the World

Filling Domestic Gaps

#### Company Profile

Tianjin Century Healthcare Biomedical Engineering Co., Ltd. is a high-end medical device manufacturing enterprise specializing in the R&D, production, and sales of Class III medical devices. It is one of the few companies in China's ophthalmology field that has mastered core technologies such as hydrophilic and hydrophobic, single-focus and multi-focus intraocular lens optical design, processing, and production. Its products cover intraocular lenses, optical and biological materials like collagen, and have entered nearly 2,000 hospitals across all 31 provinces in China. Century Healthcare has obtained over 80 invention patents and utility model patents. Additionally, the intraocular lens had obtained foreign certifications such as CE certification.

#### Awards & Honors

Century Healthcare has been recognized as a National High-tech Enterprise, a National-level Specialized and Innovative "Little Giant" Enterprise, a Tianjin Gazelle Enterprise, a Tianjin Strategic Emerging Leading Enterprise, etc. Until now, it has been approved as the Tianjin Key Laboratory of Innovative Ophthalmic Optics Technology, the Graduate Workstation for the Integration of Ophthalmology and Optometry Industry and Education, and the Tianjin Central Guiding Local Science and Technology Development Fund Project, etc.

## Star Products

### Century Healthcare Artificial Intraocular Lenses

Century Healthcare's artificial intraocular lens products have helped nearly one million people restore their vision. Among its innovations, the "-0.1μm Spherical Aberration Design," "Edge-Enhanced Zero Spherical Aberration," "Hollow Loop," and "625 Large Optical Zone" are the first aspheric intraocular lenses in China. Its New Generation Trifocal Plus Intraocular Lens is the only trifocal intraocular lens in China to be approved for market launch. It features the world-first intelligent targeted light field distribution autonomous patented technology and is the first trifocal intraocular lens designed for 60cm intermediate distance in China.

### SINOMED | Coronary Stents

China's First Cardiac Drug-eluting Stent Entering European and American markets

#### Company Profile

SINOMED Science and Technology Co., Ltd. is an international company rooted in China, focused on the research and development, production, and sales of high-end interventional medical devices for the global market. The company was founded in 2007 in the Tianjin Economic and Technological Development Area, with a registered capital of 413.456 million RMB. SINOMED has subsidiaries in Beijing, Suzhou, Hong Kong, the United States, Japan, and France. In October 2019, the company was listed on the Shanghai Stock Exchange and became a listed company on the STAR Market.

After more than a decade of development, SINOMED has established an internationally recognized R&D, production, and operation system. The company's business covers key areas of interventional treatments for cardiovascular, cerebrovascular, and structural heart diseases. SINOMED continues to focus on product innovation and has developed 8 key technologies, with 24 products in the market. Its main products include coronary drug-eluting stents, coronary balloons, intracranial rapid exchange balloons, intracranial drug-eluting stents, and more. These products have been used in over 2 million procedures and are available in more than 2,000 hospitals. The company holds over 200 patents globally, covering China, the United States, Europe, and other regions. SINOMED has also undertaken 7 national and provincial-level research projects, including key research topics from the "13th Five-Year Plan" for National Key R&D Programs.

#### Awards & Honors

SINOMED has been recognized as a National-level Specialized and Innovative "Little Giant" Enterprise and Tianjin Municipal-level Specialized and Innovative "Little Giant" Enterprise, and has been designated as the Tianjin Medical Device Inspector Training Base, etc. It has been approved as a Tianjin Enterprise Technology Center, a Manufacturing Single Champion Enterprise, and a National Intellectual Property Advantage Enterprise. The company's products have won the Tianjin Patent Gold Award and the First Prize in the Tianjin Intellectual Property Innovation and Entrepreneurship



Invention & Design Competition. It was also included in the 2021 Important Medical Advances in China.

## Star Products

### HT Supreme Coronary Stent

The HT Supreme drug-eluting stent is China's first coronary stent product to undergo pre-market clinical trials simultaneously in China, the United States, Japan, and Europe, and apply for product patents in these regions. The product received CE certification from the European Union in December 2019 and was approved in China in December 2020. It was subsequently approved in Thailand, Singapore, Indonesia, Turkey, and Taiwan in 2022 and 2023. The HT series of next-generation stents has been selected for national procurement and has been chosen by more than 1,000 hospitals nationwide.

### MEDORANGER | Inhalation Therapy Evaluation Management

Clinical Applications in Over 100 Top

## Hospitals Nationwide A Pioneer in Digital Respiratory Therapy in China

### Company Profile

As pioneers in digital respiratory therapy in China, Orange Family Technology (Tianjin) Co., Ltd. was established in 2014. Leveraging its early advantages in the field of chronic respiratory diseases and digital therapy, the company successfully connected with the National Respiratory Center's data port, forming the largest national database platform for chronic respiratory diseases. The company has long partnered with Academician Wang Chen and the National Respiratory Medicine Center / China-Japan Friendship Hospital team to create a collaborative research and development model that integrates medicine and engineering. The jointly developed hardware products feature 5G IoT upload technology and AI-powered automatic quality control analysis cloud platform solutions. These products have obtained medical device registration certificates and published papers in core journals. The "Digital Therapy for Chronic Respiratory Diseases – Inhalation Therapy Comprehensive Evaluation and Management Program," which incorporates IoT and AI big data models, has been clinically applied in over 100 top hospitals nationwide.

### Awards & Honors

The company has been recognized as a National High-tech Enterprise, a National Technology-based SME, a National Intellectual Property Advantage Enterprise, a Tianjin Specialized and Innovative Enterprise,

a Tianjin Technology-Advanced Enterprise, and a Tianjin Technology-Driving Enterprise, among others. Its products have won multiple industry awards and have been included as classic cases in several industrial development reports.

### Star Products

#### Inhalation Therapy Comprehensive Evaluation and Management Workstation

The workstation follows the Treatment Monitoring – Retrospective Evaluation – Treatment Adjustment path recommended by the Global Initiative for Chronic Obstructive Lung Disease (GOLD). Powered by the innovative digital therapy system, it consists of doctor management software, innovative medical devices that simulate various inhaled drug resistance levels, and smart breathing detection devices based on IoT solutions. This system helps doctors manage the patient's medication progress both in the hospital and at home. It is currently the only solution in China for managing chronic respiratory disease patients' home medication without relying on smartphones.

## 泰达造向全球

作为天津市乃至中国北方先进制造业的重要承载地,天津经开区吸引并培养了众多拥有全球竞争力的高端制造业企业,水下机器人“小巨人”深之蓝、磁悬浮先锋飞旋科技、微创器械领军企业瑞奇外科、首创全球多个高端介入器械产品的赛诺医疗等等。本期将带您走进这些泰达企业,了解它们的公司、产品和团队。

### 深之蓝水下机器人

#### 多款产品获得国际大奖,水下智能装备行业的领军企业

##### 企业简介

深之蓝成立于2013年,是国内水下机器人行业的开拓者和引领者,是专注于技术创新引领企业发展的系统型公司和高新技术企业。公司总部位于天津经开区,在深圳、香港、北京、美国洛杉矶、荷兰阿姆斯特丹设有办事处和分公司。

深之蓝在水下总体集成、水下动力推进、水下系统控制、水下导航定位等技术领域实

现了突破,向企业级客户提供缆控水下机器人、自主水下航行器、水下滑翔机等工业级产品及相关行业解决方案,产品覆盖海洋科考、海洋工程、水利水电、应急救援、海上风电、水下安防等领域。公司于2016年创立SUBLUE品牌,面向个人用户提供水下助推器和电动船外机等涉水运动娱乐产品,以及泳池清洁机器人、水下无人机等泳池清洁产品、水下平台系统。公司拥有专利396项,境外专利78项,参与国家重点研发计划项目5项,牵头负责军民融合重大专项2项。

##### 企业荣誉

深之蓝是国家高新技术企业、国家专精特新“小巨人”企业,获批天津市水下智能无人系统企业重点实验室,产品多次荣获中国设计红星奖、美国IDEA设计奖、德国红点设计奖、德国IF设计奖及中国专利奖项。

##### 明星产品

SUBLUE水下机器人和水下助推器



深之蓝在工业和个人消费等领域打造了多个具有国际核心竞争力的产品，填补多项空白。白鲨 Max 为全球首款小型消费水下机器人，也是第一个荣获红点奖的水下机器人；SUBLUE Mix 为全球首款双动力系统水下助推器，荣膺中国设计红星奖、CESAsia 创新奖；SUBLUE NAVBOW+ 水下助推器集合了强大的数据显示及摄影拓展功能，多项个性化设置选择，是 SUBLUE 专业旗舰产品；SUBLUE BlueNexus 为全球首款真正实现智能建图和路径规划导航的泳池清洁机器人。

#### 望圆科技泳池清洁机器人

获欧盟、北美、美国、澳大利亚等相关行业最高标准认证，以及多项国际大奖

#### 企业简介

天津望圆智能科技股份有限公司成立于 2005 年，是我国首家集研发、生产、销售于一体的泳池清洁机器人企业。公司在美国、欧洲、香港等地设立了子公司，产品已远销 30 多个国家和地区，并获得 150 余项专利和多个国际权威奖项。

公司自创立之初便重视技术创新，多次推动泳池清洁机器人行业的技术升级，引领了三次重要革新：

轻量化（2009 年）：推出契合小型地上泳池市场需求的轻量化产品，填补市场空白。

无缆化（2017 年）：推出内置锂电池的泳池清洁机器人，解决电缆笨重缠绕的行业痛点问题，推动技术从 1.0 迈向 2.0。

智能化（2023 年）：发布支持水下通讯、自主回柱充电等功能的 S2 Pro 以及全球首款支持水下 3D 建模的 S3 产品，开启泳池机

器人 3.0 全智能时代。

#### 企业荣誉

望圆科技是国家高新技术企业，产品获得多个国际级奖项：WYBOT S2SV 荣获 2025CES 创新奖，WYBOT S2 Pro 荣获 2024 纽约产品设计奖金奖，WYBOT M2 获得 2024 法国设计奖铂金奖，WYBOT C1 荣获 2024 巴黎 DNA 设计奖。WYBOT S2 被 CBS 新闻评选为 2024 年最好的无线泳池清洁机器人，被 Computerbild & Statista GmbH 评为 2025 年度最佳泳池清洁机器人品牌。

#### 明星产品

WYBOT S2，WYBOT M2，WYBOT S3 泳池清洁机器人

WYBOT S2 和 WYBOT M2 分别是全球首款水下自动回柱充电的无线泳池清洁机器人和采用视觉技术实现自主清扫的泳池清洁机器人。WYBOT S3 是望圆科技专为提升泳池清洁效率与智能化水平而设计的机器人产品，集成多项前沿科技，配备全球领先的多传感器融合水下 3D 建图技术，能够精准感知水下环境并实时构建泳池的三维地图、智能识别污渍区域并规划最优清洁路径、避开水下障碍物。

#### 联汇智造工业智能机器人

以 AI 算法及机器人应用技术为核心，在多家世界 500 强工厂成熟应用

#### 企业简介

天津联汇智造科技有限公司成立于 2013 年，是集移动机器人研发、设计、制造及应用解决方案于一体的国家高新技术企业。联汇以 AI 算法及机器人应用技术为核心，致力

于智能机器人的研发及应用，拥有多项核心知识产权，自主研发的摩尔机器人及厂内物流数字化解决方案广泛应用于电子、半导体、光伏、新材料、医药、制造业等行业。

#### 企业荣誉

联汇智造于 2021 年被认定为天津市雏鹰企业，2020 年被认定为天津市重点“项目 + 团队”，2019 年获得“智能制造希望之星”称号以及天津市自主品牌骨干机器人企业发展的专项支持。

#### 明星产品

MOVER 移动机器人

MOVER 移动机器人系列产品以 AI 算法及多种机器人应用技术为核心，具有自主决策特性，通过环境感知、智能控制等技术，可在复杂的场景中实现无轨移载；结合机器人调度中心 MOVER manager，可与用户管理系统进行数据交换，实现车队管理、任务协调、数据监控等。目前，MOVER 系列产品已在多家世界 500 强工厂成熟应用。

#### 朗誉重载 AGV

产品进入欧美市场，多次刷新全球 AGV 单车载重记录

#### 企业简介

天津朗誉机器人有限公司是全球领先的重载 AGV 公司，是国内唯一一家集机械、电气、软件研发于一体的高科技企业，致力于重载 AGV、智慧工厂、无人驾驶及智能物流系统领域的专业研发与生产，技术水平国际领先。产品主要分为室内外重载 AGV、室外园区物流无人驾驶 AGV、港口集装箱无人驾驶 AGV，已经在全国 30 个省市的国防工业

建设、国民经济重要领域得到广泛应用，并出口美国、俄罗斯、瑞典等国家，代表客户有中国航天、中国一重、中车集团、三一集团、通用电气、西门子等企业。

公司拥有自主知识产权专利 180 余项，牵头编制《工业应用移动机器人重载类技术规范》团体标准。2023 年，朗誉机器人参加了斯图加特物流展、汉诺威工业展、日本物流展等国际知名展会，展示其在重载 AGV 领域的技术创新成果和丰富的应用案例，公司的产品和技术得到了国际同行的高度认可。

#### 企业荣誉

公司获评国家专精特新“小巨人”企业、国家高新技术企业，天津市企业技术中心、知识产权优势企业、瞪羚企业等。

#### 明星产品

朗誉 600 吨重载 AGV

朗誉 600 吨重载 AGV 于 2024 年下线，刷新了公司的全球载重冠军记录。该重载 AGV 采用超重承载与轻量化底盘优化技术、自适应重载平衡系统技术、重载车体精准操控及控位技术，已成功应用于风电领域。

#### 朗誉室外无人驾驶重载 AGV

朗誉室外无人驾驶重载 AGV 为国内第一例商用并成功验收的项目，实现了车间到车间的无人化物流，填补了国内复杂场景下重载物料搬运机器人的空白。

#### 飞旋科技“磁悬浮 +”产品

填补国内技术空白，达到国际领先水平

#### 企业简介

飞旋科技成立于 2006 年，是专业从事磁悬浮高速旋转机械的设计、研发、生产及产

业化应用的高新技术企业，在磁悬浮技术领域具有先发优势，拥有完全自主知识产权的磁悬浮轴承技术、高速永磁电机技术、高频矢量变频技术、高效流体机械技术等四大核心技术，旗下拥有飞旋、亿昇两大品牌。

公司以天津总部为核心，以上海研发中心为枢纽，以天津、浙江磁悬浮研发生产基地为依托，持续为全球客户提供“磁悬浮+”系列产品、解决方案和服务，目前累计超过6000台的飞旋产品正在世界各地低碳运行。公司参与制修订多项国家标准和行业标准，承担国家重点专项“高速精密磁悬浮轴承”项目。

#### 企业荣誉

飞旋科技被评为国家高新技术企业、国家专精特新“小巨人”企业；亿昇磁悬浮鼓风机经国家工信部鉴定为“国际领先”，并入选“能效之星产品目录”“国家重点节能低碳技术推广目录”“绿色技术推广目录”等。

#### 明星产品

##### “磁悬浮+”产品

飞旋科技形成了一系列具有国际先进水平的磁悬浮系列产品，包括磁悬浮高速电机、高频矢量变频器、磁悬浮复合分子泵、磁悬浮鼓风机、磁悬浮透平真空泵、磁悬浮空气压缩机、磁悬浮制冷压缩机等。2017年，飞旋科技研发并生产出全球最大功率、最高效率、最全系列磁悬浮鼓风机产品。2018年，飞旋科技自主研发的磁悬浮鼓风机出口美国，这也是中国大功率磁悬浮鼓风机首次走出国门，标志着中国磁悬浮轴承技术迈向世界一流。

#### 利安隆抗氧化剂、光稳定剂

##### 国内唯一、全球两家之一的高分子材料抗老化行业产品门类配套最完整的公司

###### 企业简介

利安隆是一家全球领先的化学生物平台型公司，是国内唯一、全球两家之一的高分子材料抗老化行业产品门类配套最完整的公司，也是中国同行业第一家A股上市公司，规划布局了高分子材料抗老化、战略业务润滑油添加剂、创新业务生命科学三大核心业务板块。

公司总部位于天津经开区，在欧洲、美国、香港、日本设立了四家子公司，在国内设有华南（广州）、华东（苏州）、华北（天津）三个办事处，客户遍布全球，几乎涵盖所有高分子材料及各个应用领域全球著名的高分子材料公司，包括全球涂料10强中的9家、全球化工50强中的36家。

###### 企业荣誉

利安隆是国家级单项冠军企业、国家高新技术企业、天津市“专精特新”企业，2019年至2024连续6年荣登中国石油和化工企业销售收入500强榜单。

###### 明星产品

##### 利安隆抗氧化剂、光稳定剂

依托六大生产基地，利安隆实现覆盖抗氧化剂、光稳定剂和整体解决方案优配系列在内的全系列高分子材料抗老化助剂产品的产能配套，并成为全球唯一一家几乎所有产品双基地生产的公司，在高分子材料的抗热氧化老化与耐候应用上有着丰富经验，产品覆盖汽车、电子电气、农业膜等多个高分子材

料应用领域。

#### 瑞奇微创外科器械

##### 中国第一家、全球第三家能够提供微创外科整体解决方案的供应商

##### 瑞奇品牌吻合器 ENDOIII 突破了欧美市场专利壁垒

###### 企业简介

瑞奇公司于2005年在北京成立，2009年落户天津经开区，是一家集研发、生产、销售为一体的自动缝合器系列产品及能量外科产品的科技领军企业。公司主要专注于微创外科手术领域，拥有超2.1万平方米智能化制造中心和10万级洁净间、万级洁净间、EO灭菌站等先进设施，产品覆盖开放吻合器、腔镜吻合器、超声能量系统和电刀能量系统等四大系列，销售网络遍布全国2000多家医院。

公司全线产品均已获得NMPA和欧盟CE认证，部分获得美国FDA认证，现拥有有效专利177件、境外授权专利65项，自主设计的ENDO III系列腔镜吻合器成为首个进入欧洲市场的国内品牌，自主研发的新一代电动腔镜吻合器在全国29个省份推广应用，并远销巴西、韩国、法国、德国等三十多个国家。



国家。

#### 企业荣誉

瑞奇公司荣获国家高新技术企业、国家专精特新“小巨人”企业、天津市制造业单项冠军、天津市科技领军企业等诸多荣誉，获批天津市企业技术中心、天津市微创外科手术器械技术工程中心。

#### 明星产品

##### 一次性使用电动式腔镜直线型切割吻合器

瑞奇自主研发的全新一代电动吻合器“安志”，创新性地使用一次性刀片设计的钉仓，主要可用于开放或微创的普通外科、妇产科、泌尿外科、胸外科手术的组织离断、切除和吻合，也可用在对肝组织的切除和横断中，目前已进入国内2000多家医院，服务全国30个省份，在海内外累计销售超过百万件。

##### 超声高频外科集成手术设备和极龙一次性使用切割闭合刀头

2024年8月，瑞奇外科自主研发的超声高频外科集成手术设备和极龙一次性使用切割闭合刀头分别于CE和NMPA正式获批。超声高频外科集成手术设备OP9能够分别输出超声能量和高频能量，是全球首款具有双接口且均可实现7mm血管凝闭能力的集成能量平台；极龙刀头集合了智能算法控制等诸多设计上的创新，可以满足普外科、胸外科、妇科、泌尿外科等多科室不同类型手术的需求。

#### 德祥生物

##### 实现血液检测技术原创性突破

###### 企业简介

天津德祥生物技术股份有限公司成立于2011年，是体外诊断领域集研发、生产、销售为一体的高科技企业。公司专注于微流控技术、输血检测技术、智能流水线技术的开发和应用，拥有60多项专利技术和丰富的产品线，在柱凝集技术、血小板抗体检测技术、微流控技术、抗原纯化技术的开发上实现了重大突破。公司建立了医疗器械及体外诊断科创加速中心，配套建设了概念验证平台、博士后科研工作站分站，营销网络和技术支持团队覆盖全国30多个省、市、自治区。

#### 企业荣誉

公司先后被评为国家新一轮第一批重点“小巨人”企业、国家高新技术企业、国家专精特新“小巨人”企业、中国隐形独角兽企业、天津市瞪羚企业、天津市战略新兴产业领军企业、天津市技术领先型企业等。

#### 明星产品

德祥生物自主研发的微流控系列检测卡创新性地将微流控技术应用于安全输血领域，拥有完全自主知识产权，核心专利涵盖试剂和仪器，已获得中国和美国、欧盟的发明专利授权。公司成功开发了行业内第一台



智能血型分析仪、第一条智能血型分析流水线，微流控智慧输血检测平台的产业化项目获得了2021年度中国发明协会国家级创新奖人物奖、2024年天津市科技重大专项。

#### 世纪康泰人工晶状体

**多款产品为国内首创、全球首创，填补若干国内空白**

#### 企业简介

天津世纪康泰生物医学工程有限公司是一家集研发、生产和销售为一体的III类高端医疗器械生产企业，是目前国内眼科领域少数几家同时掌握亲水、疏水、单焦点、多焦点人工晶状体光学设计、加工生产等核心技术的企业之一。产品覆盖人工晶状体、视光及生物材料胶原蛋白等领域，进入全国31个省、近2000家医院。公司获得发明专利及实用新型专利80余项，人工晶状体产品已获得CE认证等国外认证。

#### 企业荣誉

世纪康泰先后被授予国家高新技术企业、国家专精特新“小巨人”企业、天津市瞪羚企业、天津市战略新兴领军企业等荣誉称号，现已获批天津市创新型眼科光学技术重点实验室、眼科学和眼视光学产教融合研究生工作站、天津市“中央引导地方科技发展资金项目”等。

#### 明星产品

##### 世纪康泰人工晶状体

世纪康泰人工晶状体产品已帮助近百万人恢复了视力。其中，“-0.1μm球差设计”“边缘增强型零球差”“镂空襻”“625大光学区”均为非球面人工晶状体国内首创；亮视安®



全新一代三焦点Plus人工晶状体是目前国内唯一获批上市的三焦点人工晶状体创新医疗器械，不仅拥有全球首创的智能靶向光场分布自主专利技术，也是国内首款60cm中距离设计的三焦点人工晶状体。

#### 赛诺医疗心脏支架

**中国首个进入欧美发达国家的心脏药物支架**

#### 企业简介

赛诺医疗科学技术股份有限公司是一家根植于中国，面向全球市场，专注于高端介入医疗器械研发、生产、销售的国际化公司。公司于2007年在天津经开区创立，注册资本4.13456亿元人民币，在北京、苏州、香港、美国、日本、法国设有子公司。2019年10月，公司登陆上海证券交易所，成为科创板上市公司。

经过十余年的发展，赛诺医疗建立了具有国际水平的研发、生产和运营体系，业务涵盖心血管、脑血管、结构性心脏病等介入治疗的重点领域。公司持续专注产品创新，目前已拥有8项关键技术、上市24款产品，主营产品冠脉药物支架、冠脉球囊、颅内快

速交换球囊、颅内药物洗脱支架等累计使用超过200万个，进入两千余家医院。公司在全球范围内拥有专利数200余件，覆盖中国、美国、欧洲等国家和地区，承担国家级、省级科研项目7项，包括“十三五”国家重点研发计划课题等。

#### 企业荣誉

赛诺医疗先后被评为国家专精特新“小巨人”企业、天津市专精特新“小巨人”企业、天津市医疗器械检查员实训基地、天津市高新技术企业等；获批天津市企业技术中心、天津市制造业单项冠军企业、国家知识产权优势企业；产品荣获天津市专利金奖、天津市知识产权创新创业发明与设计大赛一等奖等奖项，入选中国2021年度重要医学进展。

#### 明星产品

##### HT Supreme 心脏支架

HT Supreme药物洗脱支架，是我国首个在中国、美国、日本、欧洲同步进行支架上市前临床研究并在前述国家和地区申请产品专利的心脏支架产品，2019年12月获欧盟CE认证，2020年12月在我国获批，2022年、2023年分别在泰国、新加坡、印尼、土耳其及中国台湾获批。HT系列新一代支架已入围冠脉支架国家续采，获得全国千余家医院勾选。

#### 橙意家人

**吸入治疗综合评估管理工作站已在全国百余家Top医院开展临床应用**

**中国呼吸数字疗法先行者**

#### 企业简介

中国呼吸数字疗法先行者——橙意家人

科技（天津）有限公司成立于2014年，凭借在呼吸慢病领域和数字疗法产业的先发优势，成功打通国家呼吸中心数据端口，形成了全国呼吸慢病最大的数据库平台。公司与王辰院士、国家呼吸医学中心 / 中日友好医院团队长期以来形成医工融合共同研发转化的合作模式，联合研发的硬件产品具备5G物联网上传技术和AI自动分析质控云平台解决方案，已取得医疗器械注册证并在相关核心期刊发表论文；“呼吸慢病数字疗法 - 吸入治疗综合评估管理项目”产品搭载物联网 / 人工智能大数据模型，已在全国百余家Top医院开展临床应用。

#### 企业荣誉

企业先后获评国家高新技术企业、国家科技型中小企业、国家知识产权优势企业、天津市“专精特新”企业、天津市科技瞪羚企业、天津市技术领先型企业等，产品多次取得行业奖项并作为经典案例纳入多项产业发展报告。

#### 明星产品

##### 吸入治疗综合评估管理工作站

工作站以“慢性阻塞性肺疾病全球倡议”(GOLD) 推荐的“治疗监测 - 回顾评估 - 治疗调整”为基本路径，以创新研发的数字疗法系统驱动，由医生管理软件、可模拟各种吸入药物内部阻力的创新医疗器械、基于物联网 IoT 方案的智能呼吸检测装置组成，可帮助医生全景管理患者在院内、院外的用药治疗进程。该项目是目前国内唯一一个不依赖智能手机而真正实现呼吸慢病患者居家用药管理的解决方案。

## Cracking Cross-Border Challenges: One-Stop Overseas Service Base for Northern China (TEDA) Launches “Going Global Partnership Program”

A Chinese tech company secured its first overseas order by quickly meeting the procurement needs of Ministry of Education of Indonesia without even leaving the country. This seemingly “impossible mission” became a reality with the support of the Going Global Partnership Program of the One-Stop Overseas Service Base for Northern China (TEDA).

Recently, the One-Stop Overseas Service Base for Northern China (TEDA) has pioneered the “Going Global Partnership Program,” aiming to build a new cross-border service ecosystem and provide comprehensive support for Chinese enterprises venturing overseas. Shortly after its launch, the program has gained strong interest and willingness for collaboration from numerous overseas institutions and

companies.

So, what exactly is “Going Global Partnership Program” about? How does it help businesses break through the barriers of cross-border operations and realize global expansion without leaving the country?

#### Project Background

In the context of profound adjustments in the global economic landscape, the demand for the internationalization of Chinese enterprises is growing rapidly. Against this backdrop, the One-Stop Overseas Service Base for Northern China (TEDA) has innovatively launched the “Going Global Partnership Program”, aiming to build a brand-new cross-border collaborative ecosystem that supports Chinese companies in achieving



stable growth in overseas markets and realizing their global business layout.

### Position in

The program's positioning is to become the "super connector" for Chinese enterprises going global. By activating localized resources worldwide and linking diverse stakeholders, it provides full-chain empowerment for Chinese companies expanding abroad, enabling them to integrate resources efficiently, reduce risks, and enhance competitiveness in the going-global process.

### Partner Groups: "Global Bridges with Built-in Resources"

The program targets four categories of key participants with bicultural backgrounds and localized resources, who act as solid bridges in the globalization process. They provide Chinese enterprises with convenient channels for international expansion, breaking the limitations of traditional institutions and bringing services closer to frontline markets.

1. Overseas students in China  
– Familiar with Chinese culture and business environment, while maintaining close ties with their home countries, they can provide first-hand market information from their countries of origin, and help enterprises adapt products or services to local markets.

2. Chinese students studying abroad – Living overseas, with an understanding of local culture, market rules, and consumer habits, they can help Chinese enterprises enter local markets, promote brands and conduct market research.

3. Owners of overseas Chinese-

funded enterprises – Possessing rich operational experience and resources abroad, with mature business networks and customer bases, they can offer valuable practical experience and cooperation opportunities to new entrants.

4. Digital nomads, overseas Chinese entrepreneurs, and industry KOLs  
– Possessing broad influence and resources in specific sectors. Digital nomads, with their flexible work models and cross-regional perspectives, can bring innovative ideas; overseas Chinese entrepreneurs, familiar with local business environments, can help companies land quickly; industry KOLs can effectively promote products or services and boost brand awareness.

### Service Ecosystem: Going Global Support Network Offering One-Stop & Full-Cycle Services

With TEDA Base as the hub, the program integrates dimensions of policy, resources, and execution to build a closed-loop service system covering the entire life cycle of a company's overseas expansion, offering comprehensive, multi-level support.

1. Localized Research + Compliance Diagnosis – We conduct in-depth research on target markets, covering political, economic, cultural, and legal environments, to provide precise market analysis reports. Based on local laws and policies, we carry out compliance diagnostics for going-global business to help avoid potential risks.

2. One-Click Resource Matching  
– We integrate global resources including suppliers, partners, and sales channels, and use an intelligent

matching system to quickly and accurately connect enterprises with the right resources according to their needs.

3. Performance Feedback + Resource Iteration – We continuously track business performance, collect feedback, evaluate resource matching results, and adjust or optimize resource allocation to ensure resources remain of the highest quality and most suitable.

4. Going Global Knowledge Base  
– We systematically compile and archive successful going-global cases into a knowledge base containing experiences and solutions across industries and markets. This enables more enterprises to learn from best practices, avoid pitfalls, and share knowledge.

### Empowerment System – Enabling Win-win Outcome for Partners and Enterprises

The program not only empowers enterprises but also fully activates partner value through three mechanisms, achieving mutual benefit.

1. Resource Sharing Mechanism – We build a platform where partners and enterprises can share market information, client resources, technology resources, and more. Through integration and sharing, resources are maximized to enhance competitiveness for all parties.

2. Benefit-Sharing Model – We establish a fair benefit-sharing mechanism based on the services and contributions provided by partners during the going-global process, incentivizing high-quality service and promoting overseas business growth.

3. Growth Support – We provide partners with comprehensive support, including training courses, business guidance, and resource matchmaking, helping them enhance professional skills, expand business channels, and achieve personal and professional growth.

### Core Value – Reshaping Efficiency and Trust in Chinese

#### Enterprises' Global Expansion

Whether for startups testing cross-border waters or mature companies expanding into new markets, the "Going Global Partnership Program" leverages its innovative combination of "human networks + resource networks" to transform Chinese enterprises' overseas journey from a "difficult trek" into a "momentum-driven advance."

This greatly improves efficiency in going global. At the same time, through close cooperation and deep communication between partners and enterprises, the program establishes a solid foundation of trust, reshaping the efficiency and trust framework of Chinese enterprises' global expansion, and supporting their sustainable development in the international marketplace.

## 破解跨境难题 泰达出海服务基地启动“全球出海合伙人计划”

一家中国科技企业，不出国门，便在短时间内对接印尼教育部的采购需求，拿下首笔海外订单。这个看似“不可能的任务”，在中国北方（泰达）一站式出海服务基地的“全球出海合伙人计划”的推动下变成了现实。

近日，泰达出海服务基地创新推出“全球出海合伙人计划”，致力于打造跨境服务新生态，为中国企业扬帆出海提供全方位支持。计划甫一推出，便收到众多海外机构和企业的强烈合作意愿。

那么，“全球出海合伙人计划”究竟蕴藏着怎样的能量？它是如何帮助企业打破跨境经营壁垒，实现“不出国门，做全球生意”的？

### 项目背景

在全球经济格局深度调整的当下，中国企业国际化需求呈现出迅猛增长的态势。在此背景下，中国北方（泰达）一站式出海服务基地创新性推出“全球出海合伙人计划”，旨在构建一个全新的跨境协同生态体系，助力中国企业在海外市场稳健发展，实现全球化布局。

### 项目核心定位

本计划的核心定位是成为中国企业出海的“超级连接器”，通过激活全球本地化资源，链接多元主体力量，为中国企业“走出去”提供全链条赋能，让企业在出海过程中能够高效地整合资源，降低风险，提升竞争力。

### 合伙人核心群体——“自带资源的全球化桥梁”

计划精准聚焦四类具备“双文化背景+本地化资源”的核心人群，他们如同全球化进程中的坚固桥梁，为中国企业出海搭建起便捷通道，突破了传统机构在服务上的局限性，使服务能够更加贴近一线市场。

1. 海外来华留学生：他们熟悉中国文化与商业环境，又与母国保持紧密联系，能为企业提供母国市场的一手信息，助力企业产品或服务实现本地化适配。

2. 中国留学生：身处海外，了解当地文化、市场规则和消费习惯，可帮助中国企业打开当地市场，进行品牌推广与市场调研。

3. 海外中资企业主：在海外积累了丰富的运营经验和资源，拥有成熟的业务网络和客户群体，能够为新出海的企业提供宝贵的实战经验与合作机会。

4. 数字游民、海外华人创业者、行业 KOL：这些群体在特定领域具有广泛的影响力和资源，数字游民凭借其灵活的工作模式和跨地域的视野，能为企业带来创新思路；海外华人创业者熟悉当地营商环境，可协助企业快速落地；行业 KOL 则能通过自身影响力，为企业产品或服务进行有效推广，提升品牌知名度。

### 服务生态——“一站式+全周期”的出海支持网络

计划以泰达出海基地为枢纽，从政

策、资源、执行三个维度进行深度整合，构建起一套覆盖企业出海全生命周期的服务闭环，为企业提供全方位、多层次的出海支持。

1. 本地化调研+合规诊断：深入目标市场，对当地的政治、经济、文化、法律等环境进行详细调研，为企业提供精准的市场分析报告。同时，依据当地法规和政策，对企业的出海业务进行合规性诊断，帮助企业规避潜在风险。

2. 资源一键匹配：整合全球范围内的各类资源，包括供应商、合作伙伴、销售渠道等，通过智能化的资源匹配系统，根据企业的需求，快速、精准地为企业找到合适的资源，实现资源的高效对接。

3. 效果反馈+资源迭代：持续跟踪企业出海业务的运营效果，收集反馈数据，对资源匹配情况进行评估。根据评估结果，及时调整和优化资源配置，实现资源的不断迭代升级，确保为企业提供最优质、最适配的资源支持。

4. 出海知识库：将成功的出海案例进行系统整理和沉淀，形成“出海知识库”。该知识库涵盖了不同行业、不同市场的出海经验和解决方案，可供更多企业学习和借鉴，实现知识的共享与传承，帮助企业少走弯路。

### 赋能体系——让合伙人与企业“双向共赢”

本计划不仅致力于为企业赋能，更通过三大机制充分激活合伙人的价值，实现合伙人与企业之间的双向共赢。

1. 资源共享机制：搭建资源共享平台，合伙人与企业可以在平台上分享各自拥有的资源，包括市场信息、客户资源、技术资源等。

通过资源的共享与整合，实现资源的最大化利用，提升各方的竞争力。

2. 效益共享模式：根据合伙人在企业出海过程中所提供的服务和贡献，制定合理的效益分享机制，激励合伙人积极为企业提供优质服务，推动企业出海业务的发展。

3. 成长支持：为合伙人提供全方位的成长支持，包括培训课程、业务指导、资源对接等。帮助合伙人提升自身的专业能力和业务水平，拓展业务渠道，实现自身的成长与发展。

### 核心价值——重构中国企业出海的“效率与信任”

无论是初创企业初次试水跨境业务，还是成熟企业拓展新的海外市场，“全球出海合伙人计划”都凭借创新的“人网+资源网”结合模式，为中国企业的全球化之路带来了全新的变革。它让企业从过去在出海过程中的“艰难跋涉”转变为如今的“借势前行”，极大地提升了企业出海的效率。同时，通过合伙人与企业之间的紧密合作与深度沟通，建立了坚实的信任基础，重构了中国企业出海过程中的效率与信任体系，助力中国企业在全球市场中实现可持续发展。

## Private Economy Booms in Both Scale and Quality When TEDA Advances High-End, Intelligent, and Green Industrial Development



Recently, Tianjin released the list of its top 100 private enterprises. Investors from TEDA shine on the list by their outstanding performance in operating revenue, tax contributions, technological innovation, and strategic emerging industries—with many of them ranking on the top. Such encouraging achievement reflects the vibrant economic pulse and industrial upgrading of TEDA, which is known as the best development zone in northern China.

### Insights into the List: From Leaders in Traditional Industries to New Forces in Core Technologies

Private enterprises from TEDA which made the list this time include not only leaders of the region's traditionally advantaged sectors such as automotive and equipment manufacturing but also front runners in emerging fields like biomedicine,

new materials, robotics, and financial services. This fully demonstrates the solid industrial foundation of TEDA as well as its innovative dynamism.

On the list of Top 100 Enterprises by Revenue, companies such as Rongcheng Group, Jianlong Steel, and Great Wall Motor are quite eye-catching. Notably, Rongcheng Group secured the second position on the list with revenue of 130 billion yuan, ranking among the top three on Tianjin's Top 100 Private Enterprises List for one more time. These industry leaders are crucial pillars of the advanced manufacturing sector for TEDA and Tianjin, acting as stabilizers for regional economy.

On the Top 100 Taxpayers List, financial institutions such as Tianhong Asset Management, Kincheng Bank, Great Wall Binyin, JD Insurance, and Lionbridge Financing Leasing

epitomize the rapid rise of modern service sectors in TEDA. As a hub for financial innovation in China, TEDA leverages its robust manufacturing foundation and regional policy opportunities to fuel up the rapid development of local financial sector. Through the integrated model of "industry + finance," it continuously infuses the real economy with a steady inflow of financial vitality.

In the realms of technological innovation and strategic emerging industries, influential companies such as Deepinfa, Vanchip, Sinomed, Heneng Home, WYBOTICS, and Hmn Tech have become new growth drivers for local economy thanks to their core technological strengths.

### Industry Analysis: The Rise of Private Economy and Industrial Development Advancing Towards "High-Tech, Intelligent, and Green"

As a vital hub for manufacturing in Tianjin, TEDA boasts well-developed industrial chains across multiple sectors, including automotive and high-end equipment, next-generation information technology, pharmaceutical and healthcare, and new chemical materials. It has fostered a development landscape where foreign-funded, state-owned, and private enterprises coexist and mutually reinforce one another. In recent years, the private economy has grown rapidly, becoming a "new force" driving regional industrial upgrading. According to statistics, by the end of 2024, TEDA was home to nearly 50,000 private enterprises, accounting for over 91% of all enterprises in the area. Among these, 2,014 were large-scale private enterprises, representing

74.7% of the region's enterprises over designated scale.

Currently, against the backdrop of TEDA's ongoing efforts to promote the smart, green and digitized transition of local industries while developing new quality productive forces, private enterprises are actively engaging in this process and embarking on self-innovation. Taking Great Wall Motor's Tianjin Haval Branch as an example, as one of TEDA's leading automotive manufacturers, the company continues to increase investments in intelligence and green initiatives to enhance its core competitiveness. In early 2025, the Great Wall Motor Tianjin MIND Project, with a total investment of 1.153 billion yuan, commenced construction in the West Zone of TEDA. This project represents a significant step for Great Wall Motor in smart manufacturing. In September, Great Wall Motor officially launched its next-generation all-power smart super platform, which is planned for production at the Tianjin manufacturing base. This move will further solidify Great Wall Motor's technological leadership in green and intelligent transition, injecting new momentum into the development of Tianjin's new energy intelligent connected vehicle industry. Similarly, Rongcheng Group is steadily advancing on the path of intelligence and digitization. Beyond its core steel business, the group has expanded into sectors such as financial payments, Internet e-commerce, health and culture, new energy, smart logistics, and digital technology, demonstrating the development trajectory of traditional manufacturing toward high-end and diversified transition.

As leading companies transform and upgrade, a group of high-quality private enterprises in specialized sectors are focusing on technological innovation and achieving remarkable results. Sinomed, Tianjin's first company listed on the STAR Market, has established an internationally competitive R&D, production, and operational system. Its coronary intervention products have obtained registration certificates in nearly 20 countries and regions and are gradually setting up market presence. Deepinfar has tackled several key technology bottlenecks in the field of underwater robotics and holds over 400 patents. Its products have been adopted in major national projects such as Arctic oceanographic expeditions, the South-to-North Water Diversion Project, and the Shenzhou series of manned spacecrafts. These leading enterprises from various segment markets, leveraging cutting edge technologies, are becoming a vital force driving regional industrial development and reshaping TEDA's industrial landscape.

#### **A Fertile Ground for Investment: Comprehensive Optimization of the Business Environment to Stimulate Economic Vitality**

The flourishing development of the private sector relies on TEDA's policy support and enabling business environment. Over the years, adhering to the strategy of "invigorating the region through science and technology," TEDA continuously optimizes its business environment. It fully leverages the synergistic advantages of policies from the "Free Trade Zone + Development Zone + Hi-tech and Innovation Zone" model and

upgrades its administrative service center into a business welcome center, and thus establishes a multi-dimensional service model integrating "online + offline, and government + market."

At the end of 2024, TEDA implemented eight pioneering reform measures which were first-of-its-kind in Tianjin, such as the "TEDA Industrial Reform 5.0" and "Start of Construction Immediately after Land Acquisition for All Industrial Projects", significantly enhancing the approval efficiency for industrial projects. Benefiting from these measures, the Great Wall Motor Tianjin MIND Project took only 27 calendar days from project initiation to obtaining the construction permit, which even spanned the New Year and Spring Festival holidays. "This is a new milestone for our service efficiency," said an official from the TEDA Business Welcome Center.

In terms of technological innovation, TEDA has introduced a series of policies and measures to promote the development of high-tech industries. By deeply integrating technological innovation with industrial innovation, it continuously enhances innovation capabilities. In 2024, TEDA's R&D investment exceeded 10 billion yuan, and its registered transaction volume of technology contracts surpassed 21 billion yuan, ranking first in Tianjin. High-level platforms such as the National Supercomputing Center in Tianjin, the Tianjin International Joint Academy of Biomedicine, and the Chemical Materials Pilot Test Platform at the Tianjin Base of the Sinopec Beijing Research Institute of Chemical Industry have provided strong technological support for the

high-quality development of private enterprises.

Meanwhile, TEDA fully leverages the advantages of the regional financial sector to empower industrial development. Recently, the "Carbon Bay No. 1" Fund, with a total scale of 200 million yuan, was officially established. It will focus on cutting-edge sectors such as carbon materials, bio-manufacturing, and new energy, providing capital support for high-quality early-to-mid-stage private projects. This initiative also represents an important step by TEDA to optimize the development ecosystem for the private economy and strengthen financial chain support.

The robust growth of private enterprises in TEDA is a vivid reflection of the region's simultaneous improvement in economic scale and quality, as well as its ongoing optimization of industrial structure. As one of China's first national-level development zones, TEDA has evolved from a primarily foreign-investment-driven economy in its early stages into one highlighted by the collaborative development of foreign, state-owned, and private enterprises. It has also cultivated an industrial structure characterized by the dual-drive and integrated development of advanced manufacturing and modern services. Today, TEDA continues to actively explore new paths. On one hand, it doubles its efforts to attract foreign investment; on the other, it deepens the reform of state-owned enterprises while stimulating the vitality of the private economy and fostering more innovative enterprises. These efforts continuously drive high-quality economic development, providing a

"TEDA model" for the transition and upgrading of development zones in China.

## 民营经济量质齐升 泰达推进产业高端化、智能化、绿色化发展

近日，天津市发布民营企业百强榜单。天津经开区在营业收入、纳税、科技创新、战略性新兴产业四大榜单中表现亮眼，多家企业位居榜单前列。这份喜人成绩单的背后，是泰达——这个中国北方最好的开发区——经济发展的鲜活脉动与产业升级的生动写照。

### 榜单透视：从传统产业龙头企业到硬核科技新势力

纵览经开区此次上榜民营企业，不仅涵盖汽车、装备制造等传统优势产业龙头企业，更不乏生物医药、新材料、机器人、金融服务等新兴领域的优质企业，既彰显出区域产业的厚重底蕴，又凸显了其蓬勃的创新活力。

在营收百强榜单行列，荣程集团、建龙钢铁与长城汽车等企业表现突出。特别是荣程集团以营收 1300 亿元位列榜单第二，这也是该集团多次入围天津市民营百强企业榜单前三甲。这些行业龙头是经开区、天津市先进制造业的重要支柱，发挥着区域经济压舱石的作用。

在纳税百强榜单，天弘基金、金城银行、长城滨银、京东保险、狮桥融资租赁等金融机构上榜。它们是经开区现代服务业快速崛起的缩影。作为天津市金融创新高地，经开区依托雄厚的制造业基础和区域政策机遇，推动金融业快速发展，并通过“产业+金融”融合模式，为实体经济注入源源不断的“金融活水”。

在科技创新和战略性新兴产业领域，深之蓝、唯捷创芯、赛诺医疗、和能人居、望圆科技、华海智汇等在细分领域具有影响力的企业，凭借自身硬核科技，成为经开区经济的新增长点。

### 产业解析：民营经济崛起 产业发展迈向“高智绿”

作为天津制造业的重要承载地，天津经开区拥有汽车及高端装备、新一代信息技术、医药健康、化工新材料等多个领域成熟完善的产业链，形成外资、国有与民营企业并行发展、相互促进的发展格局。近年来，民营经济发展迅速，成为推动区域产业升级的“生力军”。据统计，截至 2024 年底，经开区民营企业近 5 万家，占区域企业总数比例超过 91%；其中规上民企达 2014 家，占区域规上企业的 74.7%。

当前，在经开区持续推动产业智能化、绿色化、数字化转型，发展新质生产力的背景下，民营企业积极投身其中，开启自我革新。以长城汽车天津哈弗分公司为例，作为经开区整车龙头企业之一，该公司持续加大智能化与绿色化投入，增强内核竞争力。2025 年初，总投资 11.53 亿元的长城汽车天津曼德项目在经开区西区开工，这是长城汽车在智能制造领域的重要布局；9 月，长城汽车正式发布全新一代全动力智能超级平台，并计划在天津生产基地生产，将进一步巩固长城汽车在绿色化、智能化转型中的技术领先地位，为天津市新能源智能网联汽车产业发展注入新动能。无独有偶，荣程集团同样在智能化与数字化的道路上稳步前行，除了钢铁主业外，还布局有金融支付、互联网电商、健康文化、新能源、智慧物流和数字科技等板块，展现了传统制造业向高端化、多元化转型的发展路径。

在龙头企业转型升级的同时，一批细分领域的优质民营企业正聚焦科技创新，取得令人瞩目的成绩。天津市第一家科创板上市企业赛诺医疗已建立起具有国际水平的研发、生产和

运营体系，其冠脉介入产品在近 20 个国家和地区取得注册证并逐渐实现销售。深之蓝在水下机器人领域攻克多项关键技术，拥有专利 400 余项，其产品已成功参与北极海洋科考、南水北调水利工程、神舟系列载人飞船等国家重大项目的相关工作。这些细分领域的领军企业，正凭借硬核科技，成为推动区域产业发展的力量，并重塑泰达的产业格局。

### 营商沃土：全面优化营商环境 激发经济发展活力

民营经济的蓬勃发展，离不开天津经开区的政策扶持与营商环境的滋养。多年来，经开区坚持“科技兴区”战略，持续优化营商环境，充分发挥“自贸区+开发区+科创区”政策叠加优势，升级政务中心为迎商中心，形成“线上+线下、政府+市场”的立体化服务模式。

2024 年底，经开区正式实施“泰达工改 5.0”“工业类项目拿地即开工全覆盖”等八项全市首创改革举措，全面提升产业项目审批效率。受益于此，长城汽车曼德项目从立项到取得施工许可证，仅用 27 个自然日，期间还横跨了元旦、春节两个假期。“这体现了我们服务效能的新提升。”经开区迎商中心相关负责人说。

在科技创新方面，经开区出台一系列促进高新技术发展的政策和措施，通过科技创新与产业创新深度融合，不断提升创新驱动力。2024 年，经开区研发投入超 100 亿元，技术合同登记交易额 210 余亿元，居天津市首位。国家超算天津中心、天津国际生物医药联合研究院及中石化北化院天津基地化工材料中试平台等一批高能级平台，更是为民营企业高质量发展提供强有力的技术支撑。

同时，经开区充分利用区域金融业优势，赋能产业发展。近日，总规模 2 亿元的“碳湾

一号”基金正式成立，将重点聚焦碳材料、生物医药、新能源等前沿赛道，为中早期优质民营项目提供资本支持。这也是经开区优化民营经济发展生态、强化资金链支撑的重要实践。

天津经开区民营企业的的发展，是区域经济量质齐升、产业结构持续优化的生动体现。作为中国首批国家级开发区之一，天津经开区从早期以外资驱动为主，发展为外企、国企、民企协同并进的发展格局，以及先进制造业和现代服务业双轮驱动、融合发展的产业形态。如今，泰达仍在积极探索：一方面，持续加大外资引进力度，另一方面，深化国企改革，同时激发民营经济活力、培育创新型企业，不断推动经济高质量发展，为中国开发区转型升级提供“泰达样本”。

## When I Ask DeepSeek about TEDA...

During this Spring Festival, DeepSeek, an application developed by the domestic large model company Hangzhou DeepSeek Technology, has gained immense popularity worldwide, igniting a powerful AI boom.

Tianjin Economic-Technological Development Area (TEDA), one of China's top development zones, is a favored investment destination for foreign capital. So, what kind of spark will be created when DeepSeek meets TEDA? What does TEDA look like in DeepSeek's eyes? Let's take a look and find out.

### Question 1: Can you describe TEDA from your perspective?

**DeepSeek:** TEDA is a flagship of China's reform and opening-up, renowned for its strategic integration of global innovation, industrial dynamism, and sustainable growth. Strategically positioned near Beijing and the Port of Tianjin, it serves as a critical gateway for international trade and investment, hosting a diverse ecosystem of multinational corporations, cutting-edge R&D centers, and high-tech industries. With world-class infrastructure, a business-friendly regulatory environment, and a focus on green development, TEDA fosters cross-border collaboration, attracts top-tier talent, and drives technological advancement, solidifying its role as a model development zone bridging China's economic ambitions with global opportunities.

### Question 2: What are the advantages of TEDA compared to other

development zones?

**DeepSeek:** TEDA distinguishes itself from other Chinese development zones through several unique competitive advantages.

**Prime Geographic Connectivity:** TEDA's proximity to Beijing (120 km) and direct access to the Port of Tianjin—a global top-10 container port—provides unparalleled logistics efficiency and integration into North China's economic corridor. Few zones offer such dual advantages of political-economic synergy and maritime trade access.

**Mature Multinational Ecosystem:** With decades of global engagement, TEDA hosts over 5,000 foreign-invested enterprises, including Fortune 500 giants like Volkswagen, Toyota, and Novo Nordisk. This deep-rooted international presence fosters supply chain clusters and cross-industry collaboration unmatched by younger or less-globalized zones.

**Innovation-Driven Industrial Mix:** Unlike zones focused solely on manufacturing, TEDA prioritizes high-tech and R&D-intensive sectors (e.g., biopharma, AI, green energy). Its Tianjin Intellectual Property Center and partnerships with global research institutes accelerate IP commercialization, a critical edge in China's innovation race.

**Pioneering Sustainability Practices:** TEDA was among China's first zones to adopt circular economy models and carbon-neutral targets. Projects like the Eco-Industrial Park and green



financing incentives set benchmarks for eco-friendly industrialization, attracting ESG-focused investors.

**Policy Flexibility and Stability:** As one of China's earliest national-level development zones (established in 1984), TEDA benefits from decades of policy refinement and strong government backing. Its regulatory frameworks balance investor-friendly incentives with risk management, offering a stability newer zones may lack.

**Holistic Urban-Industrial Integration:** Unlike isolated industrial parks, TEDA blends industry with livable urban amenities—international schools, expat-friendly healthcare, and cultural hubs—creating a self-sustaining ecosystem that retains talent and

ensures operational continuity.

These factors collectively position TEDA as not just an industrial base, but a globally integrated innovation hub with mature infrastructure, policy agility, and a proven track record—advantages that newer or less strategically located zones struggle to replicate.

### Question 3: Can you provide details about TEDA's international living environment?

**DeepSeek:** TEDA's International Living Environment: A Global Hub for Expatriates

TEDA has developed a vibrant, multicultural living environment tailored to meet the needs of its growing international community.



Combining modern urban conveniences, cultural diversity, and high-quality services, TEDA offers expatriates and global professionals a comfortable and dynamic lifestyle. Below are the key features of its internationalized living environment:

#### Expat-Friendly Residential Communities

TEDA boasts modern, well-planned residential zones designed to cater to diverse lifestyles.

#### World-Class Education

Institutions like TEDA International School (offering IB programs), and bilingual schools provide globally recognized curricula for expatriate children.

#### Multicultural Social & Recreational Facilities

Dining and entertainment: A wide array of international restaurants (Japanese, Korean, Italian, etc.), cafes, and bars cater to diverse tastes.

#### Cultural venues: The TEDA Culture

Center hosts exhibitions, concerts, and theater performances, while libraries and art galleries promote cross-cultural engagement.

Recreational spaces: Parks such as TEDA Urban Park and Taifeng Park offer green spaces for outdoor activities, jogging, and family picnics.

#### Healthcare

International medical facilities: Hospitals like TEDA Cardiovascular Hospital and TEDA Hospital provide English-speaking staff, expat insurance compatibility, and high-quality care.

#### Support Services for Expatriates

Visa and administrative assistance: One-stop service centers help with residency permits, legal consultations, and business registration.

#### Question 4: How do foreign-invested companies evaluate TEDA?

**DeepSeek:** Foreign enterprises have highly praised TEDA for its world-class business environment, innovation-driven policies, and long-term commitment to fostering international collaboration.

A 2024 survey by the China Council for the Promotion of International Trade (CCPIT) revealed that over 80% of foreign companies rated China's business environment as "satisfactory" or higher, with TEDA being a standout example. Specific metrics like "access to premises" and "dispute resolution" scored above 90% satisfaction.

Companies like Mars Petcare and Honeywell also highlighted TEDA's role in facilitating their global expansion, such as through the China-Egypt TEDA Suez Economic Zone.

**JUDY MARKS, Chair, Chief Executive Officer, and President Otis Worldwide Corporation:** "Tianjin has been our home to us while we expanded across all over China, Tianjin is home. TEDA has been home. It's our largest single largest manufacturing facility anywhere in the world of our 17 factories. We also last year established our northern R&D center here. Our people are here. We served the community. We loved working here, living here, and making life better. Our vision is to allow people to connect and thrive in a taller, faster, smarter world. I can't think of a better place to do that than in Tianjin."

**Lars Arnoldsen, Corporate Vice President of Novo Nordisk and President of the Tianjin Production Plant:** "TEDA's stable policies and innovative spirit make it a cornerstone of our global strategy. We're not just part of TEDA's history—we're committed to shaping its future."

How is it? After hearing DeepSeek's response, are you more interested in TEDA—this international industrial city? If you want to learn more about TEDA, why not visit us in person? TEDA boasts a globally leading and well-established manufacturing industry chain, attracting investors from all over the world. Plus, we have a professional investment promotion team ready to serve you. You'll surely fall in love with TEDA and want to make it your home!

## DeepSeek 眼中的泰达是这样的

今年春节，由国产大模型公司杭州深度求索开发的 Deepseek 应用火爆全球，并带起了一股强劲的 AI 热潮。

天津经济技术开发区，中国最好的开发区之一，是深受外资青睐的投资目的。那么，当 DeepSeek 遇上泰达，将会擦出怎样的火花？在 DeepSeek 眼中，泰达是什么样的呢？让我们一睹为快。

### 问题一：请用一段话描述您眼中的天津经济技术开发区——泰达。

**DeepSeek:** 天津经济技术开发区是中国改革开放的排头兵，以深度融合全球创新资源、产业活力与可持续发展而闻名。凭借毗邻北京和天津港的战略区位，该区已成为国际贸易与投资的重要门户，汇聚多元化跨国公司、尖端研发中心及高新技术产业集群。通过完善的基础设施、开放高效的政策服务及低碳

发展理念，这里持续推动跨国协作、汇聚国际人才、引领技术革新，成为中国发展范式与全球机遇相衔接的平台。

### 问题二：与其他开发区相比，泰达的优势有哪些？

**DeepSeek:** 相较于国内其他开发区，天津经开区在多方面展现独特优势：

#### 枢纽级区位优势

距北京仅 120 公里，毗邻全球集装箱吞吐量前十的天津港，兼具政治经济协同与海陆联运便利，形成华北经济走廊的高效物流节点。

#### 成熟的跨国企业生态圈

多年来深耕国际化发展，吸引众多外资企业落户，包括大众、丰田、诺和诺德等《财富》500 强企业。深厚的产业积淀促进了供应链集聚与跨行业协作，这是年轻或全球化



程度较低的地区所无法企及的。

#### 创新驱动的产业架构

突破单一制造功能，重点培育生物医药、人工智能、绿色能源等高科技与研发密集型产业。依托天津知识产权中心与全球研发机构，加速知识产权商业化，在中国创新竞争中占据先机。

#### 可持续性发展标杆

率先推行循环经济模式与碳中和目标，生态工业园示范项目与绿色金融激励措施等为环境友好型工业化树立标准，吸引注重 ESG 的投资机构。

#### 政策持续性与灵活性

作为 1984 年设立的首批国家级开发区之一，天津经开区得益于数年的政策完善和政府支持，其监管体系兼具投资者友好型激励与风险管理，相比新兴园区更具稳定性。

#### 产城深度融合典范

打破封闭式产业园模式，同步建设国际学校、医疗保健机构、文化场所等城市设施，构建“以产促城、以城兴产”的良性生态，有效留住人才并保障运营连续性。

这些优势使天津经开区超越传统工业基地定位，是一个拥有成熟基础设施、政策反应敏捷、具有成熟经验的全要素创新枢纽。这些优势是较新或战略位置较低的地区难以复制的，为其他园区提供了难以复制的范本。

### 问题三：请具体介绍一下泰达的国际化生活环境。

**DeepSeek:** 天津经开区国际化人居环境 外籍人士的全球枢纽

天津经济技术开发区已形成充满活力、

多元包容的国际化生活环境，精准契合日益壮大的国际社群需求。这里融合现代都市便利、文化多样性与高品质服务，为外籍人士和全球专业人士提供舒适而充满活力的生活方式。其国际化人居环境主要呈现以下特色：

#### 宜居宜业的国际社区

经开区规划建设了现代化、多元化的居住社区，可满足不同生活方式需求。

#### 世界级教育资源

区内拥有天津经开区国际学校（提供国际文凭课程）等多所双语学校，为外籍子女提供全球认可的课程体系。

#### 多元文化社交与休闲设施

餐饮娱乐：汇聚日式、韩式、意式等各国风味餐厅及咖啡馆、酒吧，满足多样化味蕾需求。

文化场馆：滨海文化中心常年举办展览、音乐会和戏剧演出，图书馆与美术馆持续推动跨文化交流。

休闲空间：泰达城市公园、泰丰公园等绿地为户外活动、慢跑和家庭野餐提供天然氧吧。

#### 国际化医疗服务

泰达国际心血管病医院、泰达医院等医疗机构配备英语服务团队，兼容国际医疗保险，提供高品质医疗照护。

#### 外籍人士支持服务

签证与行政协助：一站式服务中心为居留许可、法律咨询、工商注册等提供全方位支持。

#### 问题四：外资企业怎样评价泰达？

**DeepSeek:** 外资企业高度评价天津经济技

术开发区，称其拥有一流的营商环境、创新驱动的政策体系以及对促进国际合作的长远承诺。中国国际贸易促进委员会 2024 年的一项调查显示，超八成外资企业对中国的营商环境评价为“满意”及以上，天津经开区是其中的典范。其中“场所准入”“纠纷解决”等具体指标满意度均超过 90%。玛氏宠物护理、霍尼韦尔等企业特别指出，天津经开区通过中埃·泰达苏伊士经贸合作区等项目不断加大在全球的布局。

**奥的斯全球公司董事会主席、首席执行官兼总裁朱蒂**表示：“天津是我们开拓全中国市场的起点，更是我们扎根的家园。这里拥有奥的斯全球 17 家工厂中规模最大的生产基地，去年我们还在此设立了北方研发中心。我们的员工在这里生活工作、服务社区，我们热爱这片让我们安居乐业的热土。奥的斯的愿景是构筑更高、更快、更智能的世界，让连接与繁荣无处不在。要实现这样的愿景，天津无疑是最理想的选择。”

**诺和诺德公司副总裁、天津厂区总裁安诺生**说：“天津经开区稳定的政策环境和创新精神，使其成为我们全球战略的重要基石。我们不仅是泰达发展的参与者，更致力于与他共创未来。”

怎么样？通过 DeepSeek 的回答，您是不是对泰达——这座国际化的产业新城更感兴趣了呢？如果想更深入地了解泰达，那亲自来一趟泰达吧。这里拥有全球领先的完善的制造业产业链，汇聚来自世界各地的投资者，更有专业的招商团队为您服务。您一定会爱上泰达，扎根泰达！

## 10th Anniversary of Tianjin Pilot FTZ Central Business District (CBD): Empowering High-quality Development with Institutional Innovation

April 21, 2025, marked the 10th anniversary of the establishment of China (Tianjin) Pilot Free Trade Zone (FTZ), the first of its kind in Northern China. As one of its three core functional zones, the Central Business District has consistently adhered to its mission of “pioneering institutional innovations for the nation,” achieving remarkable breakthroughs through proactive reform, thereby delivering an impressive performance report.

### Cultivating Institutional Innovation: Trailblazing Multiple China's "Firsts"

This area also serves as one of China's inaugural National-level Innovation and Entrepreneurship Demonstration Bases, a pilot zone for industry-finance integration, and a flagship hub for demonstration zones of financial innovation operations. Over the past decade, the Central Business District has driven continuous institutional innovation, generating over 110 institutional innovations, with 13 pioneering models replicated nationwide, positioning it as a high-yield reform laboratory within China's FTZ network. The district has pioneered multiple national “firsts”: introducing China's initial batch of foreign-invested private securities fund management institutions; launching China's first factoring company bond; executing the inaugural cross-border RMB international factoring transaction; creating the “One License Per Enterprise” administrative service model to

streamline approvals; implementing the “dual-collateral registration” risk control model in the financial sector integrating the PBOC Credit Information System and Emissions Trading Registry System to resolve green finance collateral registration challenges; and advancing element-based adjudication for financial cases, reducing average case processing time by 22.8 days. These groundbreaking initiatives have provided invaluable references for the development of free trade zones across China.

Institutional dividends catalyzed economic momentum. Currently hosting over 35,000 market entities across finance, platform economy, smart logistics, digital creativity, healthcare, and professional services, the CBD Area has emerged as a vital hub for financial services and emerging economic ecosystems in Northern China.



## Aligning with Global Norms to Drive Trade & Investment Liberalization

As a window and testing ground for China's reform and opening-up, the Central Business District of Tianjin Pilot Free Trade Zone (FTZ) proactively aligns with international economic and trade rules, forging an array of exemplary Tianjin Models with global benchmarking significance.

In the biopharmaceutical sector, Tianjin FTZ spearheaded the implementation of a Biopharma White List mechanism citywide, successfully establishing green channels for biopharmaceutical R&D material imports. To date, three batches of enterprises have been included in the White List. The White List system resolved critical logistical bottlenecks, further enhancing the competitiveness of domestic companies in R&D services. Moreover, it also facilitates product benchmarking against international standards and expands service coverage," stated the operations director of WuXi AppTec, a TEDA-based enterprise.

In stress-testing alignment with CPTPP rules, the CBD leveraged FTZ's pioneering policies to achieve groundbreaking reforms: enabling cross-border RMB dividend remittances of 6.65 billion yuan with single-day approvals; instituting zero-delay capital transfer protocols for foreign financial institutions; securing national import pilot status for four remanufactured automotive components (diesel engines, transmissions, etc.) and making breakthroughs in import restrictions on remanufactured goods; completing China's first offline transaction of the

EU's CBAM-compliant data products at Tianjin Emissions Exchange, and pioneering a new model of industrial chain integration and synergistic innovation of carbon-data elements. These groundbreaking initiatives have contributed Tianjin's insights to China's FTZs in engaging with international rules.

To accelerate the realization of RCEP policy dividends, three strategic platforms were inaugurated in Tianjin FTZ in early 2024, namely, the RCEP Enterprise Service Center, the Belt and Road International Commercial Legal Service (TEDA) Workstation, and the National Overseas Intellectual Property Dispute Assistance (TEDA) Workstation. These facilities enable enterprises to handle global trade compliance and access comprehensive policy support within the district ecosystem.

## Facilitating Factor Circulation to Empower High-Quality Regional Development

To achieve high-quality development, the CBD focused on key elements like data, talents, and energy. With innovation holding the key to the smooth circulation of these elements, it injects robust momentum into economic growth.

Breakthroughs have been continuously made in data governance. In collaboration with the Tianjin Free Trade Zone Commission, the CBD has issued China's first Data Classification and Hierarchical Management Standards and a Negative List for Cross-Border Data Transfer, enabling orderly cross-border flows of critical enterprise data.

The talent factor market has been vigorously revitalized. The Tianjin Free

Trade Zone has optimized institutional mechanisms to facilitate international talent mobility. As the process of permanent residency application for high-level foreign experts was streamlined thanks to the FTZ policies, 85% of foreign faculty at the Tianjin Juilliard School have obtained permanent residence ID cards. Recognition of overseas professional qualifications now covers 27 items across 7 fields. Leveraging the Tianjin (Binhai) Overseas Talent Offshore Innovation & Entrepreneurship Base and the China Tianjin Human Resources Service Industrial Park, the CBD has established a full-chain talent service system encompassing "introduction-cultivation-service," achieving precise alignment with global talent resources.

Remarkable results have also been achieved in energy factor innovation. The CBD has supported the establishment of the Tianjin International Oil & Gas Trading Center and pioneered China's first LNG group procurement trading model. It launched the nation's inaugural LNG warehouse receipt trading and delivery services, creating an integrated trading framework combining "production capacity pre-sale + LNG Order Pass + warehouse receipt trading + spot listing/unidirectional bidding," effectively reducing energy trade costs. By January 2025, the trading center's spot transaction volume had surpassed 10 billion yuan cumulatively, with 863 registered traders on the platform. The average daily transaction value exceeded 218 million yuan in January, solidifying its position as the largest LNG resource trading hub in the

Beijing-Tianjin-Hebei region.

## Building a Full-Chain Financial Ecosystem to Activate New Momentum for Industry-Finance Integration

Today, the CBD has established a fully functional and vibrant financial ecosystem. The district hosts nearly 3,000 financial and quasi-financial institutions, with assets under management exceeding 3.5 trillion yuan. Among these, 158 are licensed financial institutions and their branches, covering all 25 categories of full financial licenses. Factoring companies in the district hold total assets exceeding 130 billion yuan, accounting for one-fifth of the national total, with half of China's central state-owned enterprise-backed factoring firms headquartered here.

Financial innovation has benefited numerous enterprises. Take Lionbridge Group, a CBD-based enterprise, as an example. With policy support, the Group has been integrated into the People's Bank of China's credit reporting system. Since 2020, it has secured over 1.8 billion yuan in foreign credit lines. These funds, after cross-border settlement, have been deployed to expand financial leasing operations. Leveraging "finance + technology" solutions, the company creates precise profiles for drivers, helping them and fleet operators secure vehicle financing, effectively lowering purchase barriers. To date, it has provided financial support for over 8,000 vehicles.

The "Commercial Factoring Capital of China" has significantly empowered the real economy. CBD-based factoring firms have issued

over 100 billion yuan in asset-backed securities (ABS) and corporate bonds, significantly reducing financing costs. Through tech-driven models such as the “digital RMB (e-CNY) + loan disbursement + factoring” supply chain finance scenario, core enterprises’ creditworthiness is extended to small and medium-sized businesses (SMEs) across industrial chains, enabling them to access low-cost financing. Cumulative transaction volumes exceed 3 trillion yuan. The district has developed comprehensive financial service clusters covering enterprise rights confirmation, scenario-based finance, digital finance, capital markets, fintech, and corporate services, delivering comprehensive and multidimensional supply chain financial solutions for every operational scenario.

The real economy is the foundation of finance. Over the years, the Central Business District has deepened integration of financial services with industrial and supply chains, seizing opportunities in digital-real economy convergence. It has pioneered specialized supply chain finance models to combine finance with automotive, energy, pharmaceuticals, and smart manufacturing respectively, attracting over 80 central state-owned enterprises to establish 400+ innovative financial entities. With total investments exceeding 300 billion yuan, these initiatives powerfully drive the growth of the real economy.

Financial opening-up policies, exemplified by the Free Trade Account (FT Account), stand as another innovative measure. Sun Yong, Deputy President of Bank of China Tianjin Branch, stated that FT

accounts integrate domestic and foreign currencies, allowing users to flexibly choose onshore/offshore exchange rates and settlement timing. Cumulative settlement volume through these accounts has surpassed 1.15 trillion yuan.

The Tianjin Pilot FTZ Central Business District has injected vigorous momentum into regional economic development through a series of pioneering achievements. As the CBD marks its 10th anniversary, it will continue to leverage institutional innovation as its engine, anchor high-level openness, deepen international cooperation, and fully commit to building a new frontier for an open economy.

## 天津自贸试验区中心商务片区十周年：以制度创新赋能高质量发展

2025年4月21日，北方首个自贸试验区——中国（天津）自由贸易试验区迎来挂牌设立10周年。中心商务片区作为三大核心片区之一，始终以“为国家试制度”为使命，锐意进取，大胆突破，交出了一份亮眼答卷。**深耕制度创新“试验田”诞生多项全国“首单”“首创”成果**

这里是首批国家级双创示范基地、国家首批产融合作试点城区，还是金融创新运营示范区的重要承载区。十年来，中心商务片区在制度创新领域持续发力，累计形成110余项改革创新经验，其中13项突破性成果在全国范围为复制推广，成为全国自贸试验区改革的“高产田”。这里诞生了多项全国

**“首单”“首创”**：率先引进我国首批外资私募证券基金管理机构；落地首单保理公司债券；开展首笔跨境人民币国际保理业务；首创平台经济“一企一证”政务服务新模式，大幅提升审批时效；在业内率先采取人民银行征信系统和排放权交易所系统“双质押登记”风控模式，破解绿色金融质押登记难题；大力推进金融案件要素式审判，金融案件平均审理天数缩短了22.8天。这些“首单”“首创”成果，为全国自贸试验区建设提供了宝贵经验。

制度红利持续转化为经济势能。截至目前，中心商务片区聚集市场主体超3.5万家，覆盖金融、平台经济、智慧物流、数字创意、医疗健康以及专业服务等领域，成为北方重

要的金融及新经济业态聚集区。

### 高标准对接国际规则 推动投资贸易自由化

作为我国改革开放的窗口和试验田，天津自贸试验区中心商务片区主动对接国际经贸规则，形成一系列领先且极具示范作用的“天津方案”。

在生物医药领域，天津自贸试验区率先在全市推行生物医药“白名单”制度，成功打通生物医药研发物资进口通道，目前已发布三批“白名单”企业。“‘白名单’制度为企业解除了后顾之忧，进一步提升了国内企业的研发服务竞争力。同时，同类产品将更便于与国际接轨，进一步扩大了服务范围。”泰达企业药明康德运营负责人表示。

在对标CPTPP规则压力测试方面，中心商务片区充分发挥自贸试验区先行先试政策，助力区内企业在一天内完成66.5亿元跨境人民币股利划付的所有审批流程，打通外金融投资转移无延迟政策；推动车用柴油发动机、变速箱等四类再制造产品纳入全国进口试点目录，突破再制造产品进口限制；助推全国首笔应对欧盟“碳关税”的数据产品在天津排放权交易所完成线下交易，开启了“产业链联动”与“碳数要素融合创新”新模式。这些突破性举措，为全国自贸试验区参与国际规则贡献了“天津智慧”。

为加速释放RCEP政策红利，天津自贸区RCEP企业服务中心、“一带一路”涉外商事法律服务（天津经开区）工作站、国家



海外知识产权纠纷应对指导（天津经开区）工作站于 2024 年初揭牌启动，区内企业在“家门口”即可办理国际贸易相关事宜，享受全方位政策支持。

#### 畅通要素流动 赋能区域高质量发展

中心商务片区紧扣高质量发展主题，聚焦数据、人才、能源等核心要素，以创新驱动要素有序流动，为经济发展注入强劲动能。

数据治理领域不断破题。配合天津自贸委出台全国首个数据分类分级管理标准和数据出境“负面清单”，有序推进需求企业重要数据出境。

人才要素市场活力充分激发。天津自贸试验区通过制度创新便利外籍人才流动：外籍高层次人才申请在华永久居留流程持续优化，天津茱莉亚学院 85% 外籍教师通过自贸试验区便利政策获得永久居留身份证；境外职业资格认可范围拓展至 7 个领域 27 项。中心商务片区充分依托天津（滨海）海外人才离岸创新创业基地与中国天津人力资源服务产业园，打造“引进 - 培养 - 服务”全链条人才服务体系，实现全球人力资源的精准对接。

能源要素创新方面同样成果斐然。中心商务片区支持建设天津国际油气交易中心，并在全国首创 LNG 拼单集采交易模式，首落国内 LNG 仓单交易交收业务，形成“产能预售 +LNG 订单通 + 仓单交易 + 现货挂牌 / 单向竞价”的集成创新交易模式，有效降低能源贸易成本。2025 年 1 月，交易中心现货交易额累计突破 100 亿元，平台注册交易商累计达到 863 家，1 月份日均成交额超 2.18 亿元，成为京津冀地区最大的 LNG 资源交易中心。

#### 构建全链条金融生态圈 激活产融新动能

如今，中心商务片区已构建起功能完备、活力发展的金融生态圈，区内聚集近 3000 家金融及类金融机构，资金管理规模超过 3.5 万亿，其中法人持牌及其分支机构 158 家，覆盖 25 类金融全牌照；这里保理企业资产总额超 1300 亿元，占到全国的 1/5，央企背景保理公司更是占全国的一半。

金融创新惠及了诸多企业。以中心商务片区企业狮桥集团为例，在政策支持下，该集团加入了中国人民银行征信系统。自 2020 年以来该集团累计获得外资授信超 18 亿元等值人民币，资金入境后用于新增融资租赁业务的投放，依托“金融 + 科技”手段，企业为更多司机精准画像，帮助他们和车队融资购车，有效降了低购车门槛，为超 8000 台车辆提供了金融支持。

“中国商业保理之都”赋能实体经济作用显著。中心商务片区保理企业发行资产证券化产品和企业债券累计超过 1000 亿元，保理企业融资成本明显降低。通过“数字人

民币 + 贷款发放 + 保理业务”的供应链金融场景等科技赋能和模式创新，成功实现保理行业核心企业的信用下沉，帮助产业链上下游中小微企业获得低成本融资，累计交易规模达 3 万亿元以上。打造了涵盖企业确权、场景金融、数字金融、资本市场、金融科技以及企业服务在内的众多产融生态产品群，为企业生产经营活动的每一个场景提供全方位、多维度的供应链金融服务。

实体经济是金融的根基。多年来，中心商务片区深入研究各产业链、各供应链环节与金融的紧密结合，强抓数实融合机遇，探索“汽车 + 金融”、“能源 + 金融”、“医药 + 金融”、“智造 + 金融”等特色化供应链金融发展模式，先后吸引 80 余家央企设立 400 余家创新型金融主体，投资总规模超过 3000 亿元，高效赋能实体经济发展。

以自由贸易账户（FT 账户）为代表的金融开放相关政策也是创新举措之一。中国银行天津市分行副行长孙勇说，FT 账户实现本外币一体化，用户可灵活选择离岸在岸汇率及结汇时间，目前累计结算量已超 1.15 万亿元。

天津自贸试验区中心商务片区以一项项“首创”成果，为区域经济发展注入澎湃动力。站在十周年的新起点上，中心商务片区将继续以制度创新为引擎，锚定高水平开放，深化国际合作，全力建设开放型经济新高地。

## TEDA's Cultural & Tourism Feast Awaits You to Celebrate Chinese Spring Festival!

In December, 2024, the China-nominated "Spring Festival, social practices of the Chinese people in celebration of traditional new year" was added to the UNESCO Representative List of the Intangible Cultural Heritage of Humanity. The 2025 Spring Festival marks the first "Intangible Heritage Edition" of this cherished holiday. To celebrate this traditional festival, TEDA has prepared a lively and colorful cultural and tourism feast, featuring intangible cultural heritage performances, marine-themed activities, creative technology interactions, New Year lantern shows, light shows, etc. Local residents and visitors are welcome to experience an authentic Chinese New Year here.

### China Chic Meets Festive Traditions

During the Spring Festival, Beitang Ancient Town will host the "Big Fishing Beiting: LOHAS Ancient Town", a China Chic Art Festival. Activities will include



traditional Chinese-style parades, stilt walking, flying cymbal performances, dragon dances, intangible cultural performances of Iron Fireworks, and many other folk performances. Visitors can also enjoy the Shuanglei Music Festival and the Royal International Circus. These events, as a salute to traditional Chinese culture, aim to create a joyful festive atmosphere for audiences.

The Sea Gate Fair Fantasy Night has already begun, with its highlight being the lantern exhibition. Organizers have invited a team of intangible cultural heritage lantern makers from Zigong of Sichuan Province to create a unique display. Spanning over 20,000 square meters of display area, the exhibition features animation figures such as "Ao Hai", "Ao Jing" as well as traditional classic patterns like "Phoenix Building its Nest", "Dragon Soaring to the Sky", and "Monkey King Descends to Earth". The event also includes traditional folk performances such as Sichuan Opera

face-changing and shadow puppetry.

### Marine-themed Activities Offer Special Experience

Tianjin Polar Ocean Resort will offer a magical marine-themed New Year celebration. In addition to classic marine shows like mermaid performances, beluga interactions, and dolphin shows, visitors can also enjoy Dragons Soaring Under the Sea performance, outdoor snow play, intangible cultural performance of Iron Fireworks, and an international circus. Cheerful New Year atmosphere can also be found by the riverbanks, where seagulls play in the water along the Haihe River.

Together with TEDA Aircraft Carrier Theme Park, the National Maritime Museum, and Dongjiang Coastal Park, the Polar Ocean Resort has crafted a series of marine-themed Spring Festival activities, providing visitors with a distinctive and memorable marine-themed celebration.

### When Culture Integrated with Technology

The Binhai Cultural Center is set to present a vibrant lineup of cultural and artistic events. The Binhai Art Museum will host a variety of exhibitions, including From Earth: Contemporary Visual Art on Ecology, along with intangible cultural heritage displays and calligraphy and painting fairs. A unique collection of 50 Spring Festival-themed stamps featuring local Tianjin culture will also be available, offering visitors a distinct taste of Tianjin's New Year charm. The Binhai New Area Library will feature a New Year-themed painting exhibition, named Scholars and the City, a collection of works by contemporary Tianjin

writers, and the 12 Zodiac Animals. Celebrating the Spring Festival event, showcasing traditional customs and local culture. Meanwhile, the Binhai Science Museum will host a series of engaging activities, including science experiment shows, flash-mob skits, clown interactions, and magic performances, allowing visitors to immerse themselves in the enchanting world of technology amidst a joyful and festive atmosphere.

The Dagukou Fort Relic Museum will launch a special series event—Celebrating the Chinese New Year at the Museum, inviting visitors to enjoy the red-themed 3D film Sad Melody of Dagukou. Additional activities include cultural fairs, treasure hunts, and parent-child DIY workshops, offering a comprehensive and traditional cultural experience for families.

### Dazzling Lights Welcomes Spring Festival

As night falls and the city lights begin to shine, the spectacular light show along the Haihe River will illuminate the Yuxiang Area of TEDA. Beautiful light projections on the facades of riverside buildings will echo the twinkling stars, interacting with the lighted outline of Tianjin Chow Tai Fook Financial Center in the distance and adding to the skyline's brilliance. Additionally, special Spring Festival-themed fireworks displays at the TEDA Aircraft Carrier Theme Park and Tianjin Fantawild Amusement Park will dazzle the night sky, sending heartfelt New Year's blessings to all visitors.

## 文旅盛宴已备好 泰达邀您一起过大年

2024年12月，“春节——中国人庆祝传统新年的社会实践”入选联合国教科文组织人类非物质文化遗产代表作名录，2025年春节成为首个“非遗版”春节。为了迎接这一传统佳节，泰达准备了红红火火的新春“文旅盛宴”，包括非遗表演、海洋主题活动、科技创意互动、新春音乐会、灯光秀等各类活动，让市民和游客体验地道的中国年。国潮年味新风尚

春节期间，北塘古镇将举办“大渔北塘乐活古镇”国潮艺术节，届时将推出古风巡游，高跷、飞镲、舞龙、非遗打铁花等民俗表演，双笙音乐季，皇家国际大马戏等精彩活动，弘扬中华传统文化的同时，也为游客献上一个喜庆祥和的游园盛会。

海门市集奇幻夜活动已经启幕，花灯展是此次活动的亮点。主办方特别邀请了四川自贡的非遗花灯团队，打造特色花灯展。灯展现场，2万多平方米的布展区不仅呈现了“敖海”“敖晶”等特色动漫IP，还推出了凤凰衔土、飞龙在天、悟空降世等经典造型，更有川剧变脸、皮影戏等一系列民俗表演。

### 海洋主题风情年

天津极地海洋度假区将开启年味十足的海洋奇幻之旅。除美人鱼表演、白鲸献舞、海豚表演三大经典海洋秀外，“龙腾海底”表演、户外冰雪游玩、非遗打铁花、国际大马戏等精彩活动尽显新春欢乐氛围，还有海河岸边海鸥戏水等您来观看。

天津极地海洋度假区连同泰达航母主题公园、国家海洋博物馆、东疆亲海公园共同打造海洋主题春节系列活动，为游客带来别具特色的海洋主题风情年。

### 文艺+科技中国年

滨海文化中心百花齐放、好戏连台。滨海美术馆将举办以土为源——当代视觉艺术生态作品展等多场展览活动，并特别设计50枚津味春节主题文化印章，让您体验津味新春的独特意趣；滨海新区图书馆将举办庆新年主题画展、文人与城——天津当代作家作品收藏展以及“十二生肖闹新春”活动，让市民和游客进一步了解春节传统文化习俗及天津本地文化；滨海科技馆将推出科学实验秀、快闪情景剧、小丑互动及魔术表演等活动，让游客在欢乐祥和的氛围中感受科技的魅力。

大沽口炮台遗址博物馆将推出博物馆里过大年系列活动，邀您共享《沽口悲歌》红色3D观影盛宴以及文化市集、寻宝探秘、亲子智趣DIY等传统文化综合体验。

### 灯火璀璨迎新春

夜幕降临，华灯初上。海河两岸灯光秀绚丽登场，点亮经开区“于响”片区夜空，沿岸建筑立面光影闪烁，与点点星光的天津周大福金融中心遥相辉映。

此外，泰达航母主题公园春节特别版航母焰火秀、天津方特欢乐世界新春焰火秀也将璀璨绽放，为游客送上新春祝福。

## Ocean Carnival, Ancient Town Charm, Cultural Feast: TEDA Invites You to Enjoy the 2025 National Day Holiday

As the National Day holiday is approaching, TEDA has prepared a cultural and tourism feast that combines international flair with local characteristics. Here, you can not only indulge in ocean festivities, Chinese trend elegance, and ancient town charm, but also immerse yourself in a variety of exciting holiday activities, experiencing TEDA's international atmosphere, vibrant local life, and cultural richness.

### Tianjin Polar Ocean Resort: Diverse Activities, Ocean Carnival

As a national 4A-level scenic spot and a national science education base, the Tianjin Haichang Polar Ocean Resort is widely beloved for its rich polar ocean resources, spectacular animal star performances, and diverse interactive programs. Here, you can observe a variety of fascinating marine life up close and experience the unique charm of the polar oceans.

During the National Day holiday, the Tianjin Haichang Polar Ocean Resort is launching the “Whale Surprise Reunion Season” ocean carnival event, featuring over 50 exciting performances such as stamp collection of Chinese elements, clown interactions, underwater shows, traditional Chinese music performances on boats, iron-flowering displays, and intangible cultural heritage China Chic shows. Come and enjoy 12 hours of non-stop fun from morning till night.

### Binhai Cultural Center: An Ocean of

### Culture, A Feast of Art

Binhai Cultural Center is acclaimed as a world-class comprehensive center for cultural and artistic exhibition and promotion. It features multiple uniquely designed venues, including the internet-famous library, and hosts diverse cultural activities year-round, offering high-quality cultural experiences for residents and visitors.

For this National Day holiday, the Center has specially curated a cultural tourism route linking its core venues, such as the Binhai Art Museum, Binhai Science Museum, Binhai Library, Binhai Performing Arts Center, and the Cultural Corridor. Key events include: the “Singing for the Motherland” series of public benefit performances, a intangible cultural heritage market, anime performances, a moon-viewing garden party, the play Sunrise, the original urban comedy You're Sick, I've



Got the Medicine, the "Brilliant Arts in Binhai, Children Painting the Future" youth art exhibition, and the Binhai New Area fine calligraphy and painting exhibition. These activities promise an art-filled holiday experience.

### Binhai Cultural Center: An Ocean of Culture, A Feast of Art

With a history of over 600 years, Beitang Ancient Town served as a coastal defense stronghold during the Ming and Qing dynasties. Here, winding bluestone paths, the solemn Double Forts, and the elegant Guanyan Academy blend history and culture in perfect harmony.

From October 1 to October 8, the "Dayu Beitang: Autumn Tour of the Ancient Town" event will take place, featuring continuous activities such as ancient-style parades, traditional instrument performances, drum shows, and other intangible cultural heritage displays. Strolling through the town, visitors will deeply experience the richness of history and the vibrancy of folk traditions.

### Urban Parks: Picturesque Scenery and Poetic Autumn Views

As an international industrial new city built on green development, TEDA not only boasts thriving industries but also is home to a series of large parks, including Taifeng Park, TEDA Plant Resource Garden, Riverside Park, Xiangluowan Ribbon Park, and Ziyun Park. These parks offer ideal destinations for leisure and autumn sightseeing during the golden fall season.

Taifeng Park, known as the "Central Park" of TEDA, is an ideal spot for outdoor camping and relaxation. The

vibrant TEDA Plant Resource Library is currently at its most beautiful season. Riverside Park and Xiangluowan Ribbon Park are top choices for enjoying the autumn waterside scenery. A stroll along the Haihe River also offers visits to Tanggu South Station and Chaoyin Temple, along with close interactions with seagulls. Ziyun Park, transformed from alkali residue hills, stands as a testament to the green transformation of the Binhai New Area. Climbing to the top provides a panoramic view of the urban landscape.

### JD MALL Tianjin Binhai Store and Binhai WandaPlaza: Trendy Shopping and Holiday Fun

On September 30, JD MALL Tianjin Binhai Store will officially open, creating a "shoppable, playable, buyable, and shareable" holiday island. From October 1 to October 2, the surrounding area will host events such as a music festival, the "Jingu Bang" light show, and outdoor dancing. There will also be interactions with esports stars, a store visit by singer Tia Ray, and Mid-Autumn Festival greetings from national table tennis team player Lin Gaoyuan.

Binhai Wanda Plaza will present eight consecutive days of diverse programs, including cultural performances, parent-child activities, competitive events, and fashion shows. These will feature singing revolutionary songs by flash mobs, Chinese-style wrestling, Kunlun Fight boxing matches, and model runway shows, creating a festive atmosphere.

What are you waiting for? Pack your bags and come to TEDA! I'll be waiting for you here~

## 海洋狂欢、古镇风情、文化盛宴，天津泰达邀您畅享“十一”假期

“十一”长假即将到来，天津泰达已准备好数具国际化与地方特色的文旅盛宴。在这里，您不仅可以畅享海洋狂欢、国潮雅韵、古镇风情，还可以沉浸式体验精彩纷呈的节日活动，感受泰达的国际化、烟火气与文化韵味。

### 天津极地海洋度假区：多元活动 海洋狂欢

作为国家4A级景区、全国科普教育基地，天津极地海洋度假区凭借丰富的极地海洋资源、精湛的动物明星表演、多元化的互动项目，

深受大家的喜爱。在这里，您可以近距离观赏各种奇妙的海洋生物，领略极地海洋的独特风情。

国庆假期，天津极地海洋度假区推出“鲸喜团圆季”海洋狂欢活动，涵盖国潮盖章挑战、小丑互动、水下演出、国风游船演奏、打铁花、非遗国潮秀等50余场精彩演出，让您从早到晚12小时畅玩不停。

### 滨海文化中心：文化海洋 畅享艺术盛宴

滨海文化中心被誉为“国际一流的综合



性文化艺术展示普及中心”，拥有网红图书馆等多个极具设计感的特色场馆，常年举办多样文化活动，为市民和游客带来高品质文化体验。

滨海文化中心特别策划了一条“十一”长假文旅活动打卡线路，串联起滨海美术馆、滨海科技馆、滨海图书馆、滨海演艺中心、文化长廊等核心场馆。活动主要包括“歌唱祖国”系列惠民演出、非遗市集、动漫表演、观月游园会话剧《日出》都市原创爆笑舞台轻喜剧《你有病我有药》“丹青耀滨城 童心绘未来”青少儿美术作品展、滨海新区精品书画展等，伴您度过一个充满艺术气息的假期。

#### 北塘古镇：秋游古镇 邂逅非遗民俗

北塘古镇拥有六百余年历史，明清时为海防要地。这里，青石板路蜿蜒，双堡炮台肃穆矗立，观澜书院典雅古朴，历史与人文深度交融。

10月1日至10月8日，“大渔北塘·秋游古镇”活动将在北塘古镇上演，古风巡游、传统乐器演奏、锣鼓等非遗民俗表演等接连不断。漫步古镇街头，您将深度感受历史的厚重与民俗的生动。

#### 城市公园：风景如画 诗意赏秋

作为以绿色发展为基底的国际化产业新城，泰达不仅产业蓬勃发展，还拥有泰丰公园、泰达植物资源库、滨河公园、响螺湾彩带公园、紫云公园等一系列大型公园，成为金秋时节休闲赏景的理想之地。

泰丰公园，这个泰达人的“中央公园”，

是户外露营与休闲的绝佳场所。色彩斑斓的泰达植物资源库正值最美季节。滨河公园和响螺湾彩带公园更是欣赏水岸秋色的不二之选，沿着海河漫步，还可打卡塘沽南站、潮音寺，并与海鸥亲密互动。由碱渣山改造而成的紫云公园见证了滨海新区的绿色转型，登高远眺，城市风景尽收眼底。

#### 京东 MALL 天津滨海店、滨海万达广场：潮玩趣购 燃动假日

9月30日，京东 MALL 天津滨海店将正式开业，届时将打造一座“可逛、可玩、可买、可晒”的度假岛屿。10月1日至10月2日，周边区域将举办音乐节、“津沽棒”灯光秀、户外蹦迪等活动，还有电竞明星互动、歌手袁维娅探店、国乒队员林高远中秋送祝福等。

滨海万达广场将连续8天推出文艺汇演、亲子活动、竞技赛事、时尚展演等多元节目，包括红歌快闪、中国式摔跤、昆仑决拳赛、模特走秀等，营造节日欢庆氛围。

此外，您还可以前往天津方特欢乐世界、泰达航母主题公园，观看无人机表演和大型焰火秀，打卡国家海洋博物馆、东疆亲海公园等热门景点，驾车只需几十分钟即可抵达。

还等什么？收拾好行李，赶紧来泰达吧！

我在泰达等你呦~

## Measures for Promoting Green and Low-Carbon Development in the Tianjin Economic-Technological Development Area (TEDA)

### I. Scope of Policy Support

Support is provided across three main areas:

- Energy Conservation and Carbon Reduction
- Ecological Environment
- Building Energy Efficiency

#### 1. Energy Conservation and Carbon Reduction

(17 Articles in Total, To be Organized and Implemented by the TEDA Development and Reform Bureau)

#### Key Energy-Consuming Equipment Upgrade Projects

Enterprises are encouraged to upgrade and replace key energy-consuming equipment.

Upgrades shall be based on the *Levels of Energy Efficiency for Key Energy-Consuming Products and Equipment (Advanced, Conservation, and Access)* and achieve annual energy savings of  $\geq 100$  tons of standard coal equivalent (tce).

For enterprises which upgrade key energy-consuming equipment to meet energy conservation level: Subsidy of up to 20% of the investment

For enterprises which upgrade key energy-consuming equipment to meet advanced energy conservation level: Subsidy of up to 30% of the investment

Maximum Subsidy: RMB 2 million per project

#### Energy-Saving Technical Retrofit Projects

Enterprises are encouraged to carry out energy-saving technical retrofits using advanced and efficient technologies, equipment, and processes.

Scope of Support: Retrofits of compressed air systems, boilers/furnaces, waste heat and pressure utilization, energy system optimization, motor system energy efficiency, heating system energy efficiency, etc.

Project Requirements: Annual energy saving of  $\geq 100$  tce.

Subsidy Standard: RMB 600 per tce of actual energy saved (not to exceed 30% of the total investment).

Maximum Subsidy: RMB 2 million per project

#### Carbon Capture, Utilization, and Storage (CCUS) Projects

Enterprises are supported to develop CCUS application projects and explore CO<sub>2</sub> capture, utilization, and storage technologies.

Subsidy Amount: Up to 30% of the investment

Maximum Subsidy: RMB 2 million per project

#### New-Type Energy Storage Facility

## Projects

### Energy Storage Facility

Requirements: Installed within the enterprise's premises with a capacity of  $\geq 0.5$  MW and a storage duration of  $\geq 2$  hours

Subsidy Amount: Up to 30% of the investment

Maximum Subsidy: RMB 1 million per project

### Carbon Emission Management System Certification

Enterprises are encouraged to obtain carbon emission management system certification from authoritative bodies.

For enterprises obtaining a carbon emission management system certification for the first time: A reward of 50% of the certification fee.

Maximum Reward: RMB 100,000.

## 2. Ecological Environment

(13 Articles in Total, To be Organized and Implemented by the TEDA Ecology and Environment Bureau)

### Negotiated Emission Reductions

Key enterprises are encouraged to voluntarily reduce pollutant emissions during periods of heavy air pollution.

For enterprises that proactively carry out negotiated reductions of air pollutants (particulate matter, sulfur dioxide, nitrogen oxides, volatile organic compounds)

Reward Standard: RMB 100,000 per ton (reduction amount is calculated based on online monitoring data).

Maximum Reward: RMB 1 million per

enterprise per year.

### Nitrogen Oxide (NOx) Reduction

Enterprises are encouraged to implement NOx reduction projects.

For enterprises that achieve NOx reductions with the reduction amount certified by competent higher-level authority,

Reward Standard: RMB 100,000 per ton (based on the certified reduction amount)

Maximum Reward: RMB 3 million per project

### Performance Upgrades for Key Sectors

Enterprises in key sectors (including typical sub-sectors) are encouraged to upgrade their environmental performance ratings.

For enterprises rated as National Grade A or a National Pioneer: An initial reward of RMB 400,000. If the rating is maintained for 3 consecutive years, an additional reward of RMB 600,000 can be granted.

For enterprises rated as National Grade B, Local Grade A, or a Local Pioneer: An initial reward of RMB 200,000. If the rating is maintained for 3 consecutive years, an additional reward of RMB 200,000 can be granted.

Maximum Cumulative Reward: RMB 1 million per enterprise

### Synergistic Control of Pollution and Carbon Reduction

Enterprises are encouraged to implement projects for synergistic control of pollution and carbon reduction.

For enterprises that achieve simultaneous reductions in pollutants and greenhouse gases through measures such as source substitution or upgrading environmental protection facilities, as certified by the competent authority

Subsidy Standard: 30% of the project investment amount

Maximum Subsidy: RMB 3 million per project

### ESG Report Publication

Enterprises within the region are encouraged to conduct Environmental, Social, and Governance (ESG) information disclosure.

For enterprises that publish an ESG report and receive a rating: A one-time reward of RMB 50,000

For enterprises that receive a rating of A or higher from mainstream domestic or international ESG rating agencies: A one-time reward of RMB 200,000

## 3. Building Energy Efficiency

(3 Articles in Total, to be Organized and Implemented by the TEDA Construction and Transportation Bureau)

### Gross Floor Area Bonus

A bonus in above-ground gross floor area will be granted for high-star-rated green buildings and ultra-low energy consumption (and above) building projects that have obtained official certification. Such bonus area will not be included in the project's floor area ratio (FAR) calculation.

#### (1) Green Buildings:

Two-Star Green Buildings (meeting the current national Green Building Evaluation Standard): A bonus of 2% of the above-ground gross floor area

#### (2) Buildings of Ultra-Low Energy Consumption and Above:

Ultra-low or near-zero energy buildings (meeting the current national Technical Standard for Nearly Zero Energy Buildings): A bonus of up to 9% of the above-ground gross floor area.

#### (3) Buildings of Ultra-Low Energy Consumption and Above:

Enterprises are encouraged to build demonstration projects for ultra-low energy consumption (and above) buildings.

Subsidy Standard: A subsidy of RMB 150 per square meter, based on building area

Maximum Subsidy: RMB 1.5 million per project.

## II. Policy Validity Period

These Measures shall take effect on July 1, 2025, and will be valid for three years. The *Interim Measures for Promoting Green Development in the Tianjin Economic-Technological Development Area*, issued on June 9, 2020, are simultaneously repealed.

Applications for eligible projects shall be submitted annually in accordance with the notification requirements of the respective organizing and implementing departments.

## 天津经济技术开发区绿色低碳发展促进办法

### 一、政策支持范围

支持范围包括三大领域：节能降碳、生态环境、建筑节能

#### (一) 节能降碳领域

(由发展和改革局组织落实, 共 17 条)

##### 重点用能设备更新项目

鼓励企业对重点用能设备进行更新改造  
根据《重点用能产品设备能效先进水平、  
节能水平和准入水平》进行更新改造且年节  
能量  $\geq 100$  吨标准煤

更新至节能水平重点用能设备的企业：

补贴金额  $\leq$  投资额 20%

更新至先进水平重点用能设备的企业：

补贴金额  $\leq$  投资额 30%

单项目补贴上限：200 万元单项目补贴  
上限：200 万元

##### 节能技改项目

鼓励企业采用合理高效的先进技术、设备、工艺等措施开展节能技术改造

支持范围：压缩空气系统改造、锅炉（窑炉）改造、余热余压利用、能量系统优化、电机系统节能、供热系统节能等节能技术改造

项目要求：年节能量  $\geq 100$  吨标准煤

补贴标准：按实际节能量 600 元 / 吨标  
煤 ( $\leq$  投资额 30%)

单项目补贴上限：200 万元

##### 碳捕集、利用与封存 (CCUS) 项目

支持企业开展 CCUS 应用项目建设, 探

##### 索二氧化碳捕集利用及封存技术应用

补贴金额： $\leq$  投资额 30%

单项目补贴上限：200 万元

##### 新型储能设施项目

储能设施要求：企业在厂区配置装机  
容量  $\geq 0.5$  兆瓦且储能时长  $\geq 2$  小时

补贴金额： $\leq$  投资额 30%

单项目补贴上限：100 万元

##### 碳排放管理体系认证

鼓励企业通过权威机构开展碳排放管理  
体系认证工作。

首次取得碳排放管理体系认证证书的企  
业：奖励认证费用 50%

奖励上限：10 万元

#### (二) 生态环境领域

(由生态环境局组织落实, 共 13 条)

##### 协商减排

鼓励重点企业开展重污染天气污染物自  
主减排

对于主动开展大气污染物（颗粒物、二  
氧化硫、氮氧化物、挥发性有机物）协商减  
排的企业

奖励标准：10 万元 / 吨（减排量通过在  
线监测数据核算）

单企业奖励上限：100 万元 / 年

##### 氮氧化物减排

鼓励企业实施氮氧化物减排项目

实现氮氧化物减排, 且减排量得到上级  
主管部门认定的企业

奖励标准：10 万元 / 吨（以核定减排量）

单项目奖励上限：300 万元

##### 重点行业绩效升级

鼓励企业开展重点行业（含典型行业）  
绩效升级

绩效评级为国家 A 级和国家引领性的企  
业, 给予 40 万元奖励, 连续保持 3 年, 给  
予 60 万元奖励

绩效评级为国家 B 级、地方 A 级和地方  
引领性的企业, 给予 20 万元奖励, 连续保  
持 3 年, 给予 20 万元奖励

单企业累计奖励上限：100 万元

##### 减污降碳协同治理

鼓励企业实施减污降碳协同治理

通过源头替代、环保设施升级改造等开  
展减污降碳协同治理的企业, 经主管部门认  
定实现污染物和温室气体同步减排

补贴标准：项目投资金额的 30%

单项目补贴上限：300 万元

##### ESG 报告发布

鼓励区域内企业开展环境社会治理 (ESG)  
信息披露

开展 ESG 报告发布并获得评级的企业：

一次性奖励 5 万元

国内外主流 ESG 评级  $\geq$  A 级的企业：一  
次性奖励 20 万元

#### (三) 建筑节能领域

(由建设和交通局组织落实, 共 3 条)

##### 建筑面积奖励

对获得标识认证的高星级绿色建筑和超  
低能耗及以上建筑项目实施地上建筑面积奖  
励（不计入项目容积率）

#### (1) 绿色建筑

满足国家现行《绿色建筑评价标准》标  
准的二星级绿色建筑项目：奖励地上建筑面  
积 2%

满足国家现行《绿色建筑评价标准》标  
准的三星级绿色建筑项目：奖励地上建筑面  
积 3%

#### (2) 超低能耗及以上建筑

满足国家现行《近零能耗建筑技术标准》  
标准的超低能耗及以上建筑项目：奖励地上  
建筑面积  $\leq 9\%$

#### (3) 超低能耗及以上建筑

鼓励企业建设超低能耗及以上建筑示范  
项目

补贴标准：按建筑面积补贴, 150 元 /  
平方米

单项目补贴上限：150 万元

### 二、政策有效期

《办法》自 2025 年 7 月 1 日起实施,  
有效期三年。2020 年 6 月 9 日发布的《天津  
经济技术开发区促进绿色发展暂行办法》  
同时废止。

每年符合政策项目按各政策组织实施部  
门通知要求进行申报。

# The 2025 Sustainable Development (ESG) Report of Tianjin Economic-Technological Development Area (Chapter I. The TEDA Model of Green Transition)

## I. Optimizing Energy Structure and Accelerating Green Transition

### Building New Energy System

#### Proactively Promoting Renewable Energy

In 2024, a total of 95 new energy projects registered in TEDA, with a total installed capacity of 2.697 million kilowatts. Among them, there are 90 distributed photovoltaic projects with an installed capacity of 1.5465 million kilowatts; 3 decentralized wind power projects with an installed capacity of 20,500 kilowatts; and 2 centralized photovoltaic projects with an installed capacity of 1.13 million kilowatts.

The proportion of green electricity usage increased from 6.5% to 24.6%, photovoltaic power generation reached 103.78 GWh, and green electricity purchased through trading centers reached 657.7 GWh. (The statistical scope only covers TEDA East.)

#### Accelerating the Construction of New Energy Storage Systems

In August 2024, TEDA's first 46.9-MWh grid-side electro-chemical energy storage power station was put into operation, effectively improving the absorptive capacity of local renewable energy and playing an important role in load and peak adjustment of the power grid. The smart energy ultra-long-time energy storage power station project under construction in TEDA, with an installed

capacity of approximately 1,115MWh, can continuously supply power for about 7 hours and release 1.17 million kilowatt-hours of electricity every day at full power output. It can provide approximately 388 million kilowatt-hours of peak-adjusting power to the grid and is scheduled to be put into operation by the end of 2025, further contributing to regional energy structure transition.

### Continuing Endeavor in Comprehensive Energy Utilization

Nangang Industrial Zone has launched China's first cold and thermal energy exchange station, with an annual processing capacity of more than 2.6 million tons. This project marked the first time for China to realize energy coupling between an LNG receiving station and a major petrochemical production facility, saving 13 million cubic meters of



natural gas and 3 million kilowatt-hours of electricity every year. A few kilometers away from the cold and thermal energy exchange station, the Tianjin Nangang LNG Cold Energy Comprehensive Utilization Demonstration Project is under rapid construction. Once completed, Nangang Industrial Zone will have an energy island integrating electricity, heat, cold and industrial gases which is estimated to save 17,200 tons of standard coal and reduce emission of approximately 18,600 tons of carbon dioxide annually.

### Deepening Industrial Energy Efficiency Optimization

#### TEDA Investors Improving Energy Conservation and Carbon Reduction Management Capabilities

TEDA's 33 major energy-consuming companies have implemented 72 technology-related energy-saving renovations and 116 management-related energy-saving measures, with a cumulative investment of 612 million yuan and saving 101,000 tons of standard coal every year.

### Continuing Endeavor in Green Manufacturing System

Throughout 2024, TEDA saw another 17 new national-level green factories, and 2 new national-level green supply chain management enterprises. As of the end of 2024, TEDA has a total of 37 national-level green factories, 13 national-level green supply chain management enterprises, 73 Tianjin-level green factories, and 4 green supply chain management enterprises. They are the driving force for the green transition of TEDA's manufacturing sector.

## II. Fostering Circular Economy and



### Saving Resources

#### Uplifting Hazardous Waste Disposal Capabilities

In TEDA there are 4 hazardous waste disposal companies, including Tianjin Binhai Hejia Veolia Environmental Services Co., Ltd., Taiding (Tianjin) Environmental Protection Technology Co., Ltd., and Taigang Petrochemical Environmental Protection Company (Taigang's disposal facilities were not fully operational). These four companies mainly adopt incineration, physico-chemical treatment, solidification (stabilization), and resource utilization. TEDA has been continuously upgrading the circular economy industrial chain with hazardous waste disposal capacity constantly improved.

#### Better Comprehensive Seawater Utilization Capability

The integrated seawater desalination and comprehensive utilization project in Nangang Industrial Zone saw visible progress. The first phase of the seawater desalination project has been put into operation, which can produce 150,000 tons of desalinated water every

day and can replace surface water by 50 million tons every year. Nangang Industrial Zone is the first chemical park in the country to use desalinated seawater as its main water source.

### An Ever-improving Circular Economy Industrial Chain

The Tianjin offices of China Renewable Resources Industry Technology Innovation Strategic Alliance and the Beijing-Tianjin-Hebei Battery Environmental Protection Industry Alliance settled down in TEDA, bringing about 4 resource recycle enterprises for scrap metals and new energy batteries to the region, making

### Main Environmental Infrastructures in TEDA

Type	Infrastructure	Quantity	Function
Waste Water Treatment	Waste Water Plant	6	Waste Water Treatment Capacity 203,000 tons/day
Solid Waste Treatment	Domestic Garbage Treatment Plant	1	Incineration of Domestic Garbage for Power Generation
	Hazardous Waste Treatment Plant	4	Incineration of Hazardous Waste, Dismantling of Hazardous Waste, and Utilization of Waste Lead
Water Recycle	Recycled Water Plant	1	Production & Supply Capacity of Recycled Water at 30,000 tons/day



new contribution to local circular economy industrial chain.

### III. Upgrading Environmental Infrastructure with Vigorous Policy Support

#### Environmental Infrastructures

##### Green Buildings

In 2024, TEDA finished 13 green building projects with total floor area of 665,800 square meters, of which 592,100 square meters of buildings were recognized as star-rated green buildings.

##### Green Transport

#### Ever-improving Green Transport Infrastructure

TEDA has built up and launched a super charging demo station which integrates photovoltaic power generation, energy storage, charging & discharging, and intelligent detection of double-layer protective batteries. This super station is equipped with a total of 27 DC terminals (including 2 liquid-cooled DC terminals and 25 ordinary DC terminals) which can charge electric vehicles with high power at fast speed. It is a further replenishment of local charging

infrastructure network.

### IV. Clear Water & Blue Sky

#### Atmospheric Environmental Quality

In 2024, the average concentration of PM2.5 at state-supervised environmental monitoring points in TEDA was 37 micrograms/cubic meter, an improvement of 3 micrograms/cubic meter year on year; the number of up-to-standard days was 283, an increase of 37 days year on year; the proportion of up-to-standard days was 77.3%, ranking second in Tianjin, with a year-on-year increase of 9.9%.

#### Surface Water Environmental Quality

Among the four surface water assessment sections of TEDA, the average water quality of the Jiyunhe Canal Tide Gate, the Yongding Xinhe River Tanghan Highway Bridge, and the East Drainage Open Channel was Class III, and the average water quality of the Haihe River Gate was Class V, meeting the annual assessment target by 100%. The proportion of excellent water quality of nearshore waters was 72.6%.

#### Acoustic Environment Quality

Throughout 2024, the overall sound environment quality of TEDA was good. The noise control indicators of Category-3 and Category-4a areas were comprehensively better than national standards. The compliance rates during day and night were both close to or higher than 90%. Noise management was accurate and efficient, effectively ensuring residents' quality of life and the health of the urban acoustic environment.

### V. Biodiversity

#### The East Eco Seawall of Nangang

### Industrial Zone Completed

TEDA has completed the construction of an ecological seawall project with a total length of 3,700 meters and a height of 7.3 meters in accordance with wave protection standards against once-in-200-year high tides and once-in-100-year waves, as well as important factors such as the first-level safety level. It is of great significance for the restoration of coastal ecological environment and the protection of sea benthos.

#### Marine Stock Enhancement Activities

TEDA organized more than 70 business leaders, coastal defense officers and fishermen as volunteer representatives to release 50 million China shrimp seedlings, 165,000 tongue sole seedlings, 15,000 kilograms of Philippine clams seedlings, and 10,000 kilograms of Cyclina seedlings into the sea area near Nangang Industrial Zone to restore and enhance the self-regulation capabilities of Nangang's ecosystem.

### VI. Fostering the TEDA Model for Green Practices

#### High-quality Pilot Programs for Carbon Peaking Proceeding Smoothly

In May 2024, TEDA was recognized as one of the first batch of carbon peaking pilot parks in Tianjin. In accordance with its *Carbon Peaking Implementation Plan*, a series of programs for industrial energy conservation, building energy conservation, and comprehensive utilization of resources were carried out proactively and effectively. In March 2025, TEDA was successfully selected into the second batch of

carbon peaking pilot regions in China.

#### Carbon Emission Compliance Carried out Orderly

TEDA organized more than 40 key greenhouse gas emission enterprises to compile their respective 2023 greenhouse gas emission reports, and cooperated with the Municipal Ecological Environment Bureau to complete third-party carbon verification. Carbon emission compliance rate reached 100%.

#### Innovative CBAM Carbon Data Trading Mechanism

With the approval and registration of the Northern Big Data Trading Center, the Tianjin Climate Exchange completed the country's first offline transaction of data products in response to the EU's CBAM ("carbon tariff"). The two parties adopt carbon emission data of exported steel and wire products as the subject of the transaction. The Tianjin Climate Exchange issued a report to ensure the validity of the transaction data and effectively assisted downstream companies to carry out export business to EU.

#### Green Development Funds Leading Green Transition of Enterprises

In accordance with the *Interim Measures for Promoting Green Development in TEDA*, we encourage enterprises to carry out energy-saving technological transformation such as waste heat utilization, energy system optimization, and comprehensive utilization of resources. In 2024, we subsidized a total of 50 energy conservation and environmental protection projects, involving 18.75 million yuan. We also applied special

fund of energy conservation and environmental protection from higher-level authorities for 4 projects, involving 49.17 million yuan.

#### Accelerating the Upgrading of Energy Conservation and Carbon Reduction Infrastructure

TEDA carried out road lighting upgrading of infrastructure such as light poles, power cables, and LED light sources, saving 700,000 kilowatt-hours of electricity every year and cutting emissions of about 700 tons of carbon dioxide.

## 天津经开区可持续发展 (ESG) 报告 2025

### (第一部分：生态优先 打造绿色转型典范)

#### 一、优化能源结构，加快绿色转型

##### 构建新型能源体系

大力发展可再生能源。2024年，天津经开区累计备案新能源项目95个，装机规模共计269.7万千瓦。其中，分布式光伏项目90个，装机规模154.65万千瓦；分散式风电项目3个，装机规模2.05万千瓦；集中式光伏项目2个，装机规模113万千瓦。

绿电使用比例从6.5%提升至24.6%，光伏发电量达到103.78吉瓦时，通过交易中心购买的绿电电量达到657.7吉瓦时。（统计范围仅包括开发区东区）

加快构建新型储能系统。2024年8月，天津经开区首座46.9兆瓦时电网侧电化学储能电站项目投入运营，大大提高周边可再生能源的消纳能力，对电网发挥负荷调控和调峰的重要作用。天津经开区正在建设的智慧能源超长时储能电站项目，装机容量约1115MWh，在满功率输出情况下，可持续供电约7小时，每天可释放117万千瓦时的电能，每年为电网提供约3.88亿千瓦时调峰电力，计划于2025年底投入运营，将进一步推动区域推动能源结构转型。

持续推进能源综合利用。南港工业区正式投用国内首座冷热能互换站，年处理能力超260万吨，该项目是我国首次实现LNG接收站与大型石化产品生产装置之间能量耦合，每年可节省天然气1300万立方米、节

省电量300万千瓦时。与冷热能互换站相距数公里，天津南港液化天然气（LNG）冷能综合利用示范项目正在加快建设。项目建成后，南港工业区将形成集电、热、冷、工业气体等于一体的能源公用岛，预计年节能量1.72万吨标准煤，年减排约1.86万吨二氧化碳。

##### 深化工业能效提升

提升企业节能降碳管理能力。天津经开区33家重点用能单位实施技术节能改造72项和管理节能措施116项，累计投资6.12亿元，每年可节约10.1万吨标煤。

持续推进绿色制造体系建设。天津经开区新增17家国家级绿色工厂，2家国家级绿色供应链管理企业。截至2024年底，天津经开区累计拥有国家级绿色工厂37家，国家级绿色供应链管理企业13家，天津市级绿色工厂73家、绿色供应链管理企业4家，是天津经开区推动制造业绿色低碳转型升级的领军力量。

#### 二、发展循环经济，资源节约集约

提升危险废物处置能力。区内有天津滨海合佳威立雅环境服务有限公司、泰鼎（天津）环保科技有限公司和泰港石化环保公司等四家危险废物处置企业，泰港石化环保公司的处理设施尚未全部投产。四家企业主要运用焚烧处理、物理化学处理、固化稳定化和资源化利用等多种方式处置危险废物。天

津经开区不断完善循环经济产业链，危险废物处置水平进一步提升。

提升海水综合利用能力。南港工业区海水淡化及综合利用一体化项目取得重大进展，一期海水淡化产水项目已正式投产，每天可生产 15 万吨海水淡化水，每年可替代地表用水量达 5000 万吨。南港工业区是全国首个以海水淡化为主水源的化工园区。

完善循环经济产业链。中国再生资源产业技术创新战略联盟和京津冀蓄电池环保产业联盟两家联盟驻天津办事处落户天津经开区，并带动 4 家废旧金属、新能源电池等相关的再生资源产业链企业在经开区投资与建设，实现天津经开区循环经济产业链补链。

天津经开区主要环境基础设施汇总表

类型	设施名称	数量	功能
污水处理	污水处理厂	6座	污水处理量 20.1 万 m <sup>3</sup> /日
垃圾处理	生活垃圾处理厂	1座	生活垃圾处理量 1.5 万吨/日
	危险废物处理厂	4座	危险废物处理量 1.5 万吨/年
再生能源	再生能源厂	1座	再生能源量 5.7 万 m <sup>3</sup> /日

### 三、完善设施配套，强化政策支持

#### 环境基础设施

##### 绿色建筑

2024 年，天津经开区累计建设竣工 13 个项目，总建筑面积 66.58 万平方米，其中星级绿色建筑竣工面积为 59.21 万平方米。

##### 绿色交通

完善绿色交通基础设施。天津经开区建成“光储充放检”一体化超级充电示范站并正式上线运营，该充电站集成光伏发电、储能、充放电以及双层防护电池智能检测等功能，共配备 27 台直流终端设备，其中液冷直流终端 2 台、普通直流终端 25 台，能够对电动汽车进行大功率快速补充电能，进一步完善区域充电基础设施网络。

### 四、强化环境治理，守护碧水蓝天

#### 大气环境质量

2024 年，天津经开区国控点位 PM2.5 平均浓度 37 微克 / 立方米，同比改善 3 微克 / 立方米；达标天数 283 天，同比增加 37 天；达标天数比例 77.3%，位列全市第二，同比提高 9.9%。

#### 地表水环境质量

天津经开区四个地表水考核断面中，蓟运河防潮闸、永定新河塘汉公路桥、东排明渠平均水质 III 类，海河大闸平均水质 V 类，100% 完成年度考核指标。近岸海域优良水质比例 72.6%。

#### 声环境质量

天津经开区声环境质量整体表现良好。3 类区和 4a 类区噪声控制指标全面优于国家标准，昼间与夜间达标率均接近或超过 90%，噪声管理精准高效，有效保障居民生活品质和城市声环境健康。

### 五、保护生物多样性，绘就生态画卷

南港工业区东部生态海堤工程完工。天津经开区按照“200 年一遇的高潮位和 100 年一遇”的波浪设防标准，以及一级安全等级等重要因素，建设完成全长 3700 米、高 7.3



米的生态海堤工程，对于修复海岸带生态环境、保护底栖生物具有重要意义。

举办增殖放流活动。天津经开区组织企业负责人、海防员和渔民志愿者代表 70 余人在南港向海洋投放中国对虾苗 5000 万尾、半滑舌鳎苗 16.5 万尾、菲律宾蛤仔苗 15000 公斤、青蛤苗 10000 公斤，恢复和提升南港生态系统自我调节能力。

### 六、强化绿色支撑，打造泰达模式

高质量推进碳达峰试点建设各项任务。2024 年 5 月，天津经开区获评天津市首批碳达峰试点园区。按照《天津经开区碳达峰实施方案》，积极稳妥推进双碳领域项目实施，不断推进工业节能、建筑节能、资源综合利用等工作。2025 年 3 月，成功入选第二批国家碳达峰试点名单。

推动碳履约工作有序开展。天津经开区组织 40 余家温室气体重点排放企业编制 2023 年度温室气体排放报告，并配合市生态环境局完成第三方碳核查工作，全区碳履约率 100%。

创新 CBAM 碳数交易机制。经北方大数据交易中心批准登记，天津排放权交易所完成全国首笔应对欧盟“碳关税”数据产品线下交易。双方以出口钢铁线材产品的碳排放数据为交易标的物，天津排放权交易所出具报告，确保交易数据有效性，有效助力下游企业开展欧盟出口业务。

绿色发展资金引领企业绿色低碳转型。天津经开区根据《天津经济技术开发区促进绿色发展暂行办法》，鼓励企业开展余热利用、能量系统优化、资源综合利用等节能技改工作。2024 年，共计补贴节能环保类项目 50 个，涉及资金 1875 万元；申请上级节能环保专项资金项目 4 个，涉及资金 4917 万元。

加快基础设施节能降碳改造。天津经开区开展道路照明提升改造工程，更换灯杆、电力电缆、LED 光源等基础设施。改造后，每年可节电约 70 万千瓦时，减少排放约 700 吨二氧化碳。

## The 2025 Sustainable Development (ESG) Report of Tianjin Economic-Technological Development Area (Chapter II. Common Prosperity of Industries and Local Community)

### I. Sustained Economic Growth and Robust Driving Force

#### Economic Potential

Quality and efficiency of development was effectively improved. Throughout 2024, TEDA saw strong economic growth.

- Throughout the year, TEDA saw 12,611 new market entities of various types registered, together with 343 new enterprises over designated scale.

- Regional GDP reached 258.1 billion yuan, an increase of 5.8% over the previous year. For the first time in five years, TEDA's growth rate has surpassed that of China, Tianjin and the Tianjin Binhai New Area simultaneously, changing from a follower to a front runner.

- Total output value of industries above designated size reached 544.25 billion yuan, and the added value of industries above designated size increased by 0.48%. TEDA continued to lead the high-quality development of Tianjin.

- The actually utilized foreign capital was US\$855 million, strongly supporting Tianjin's export-oriented economy.

- 338 projects highlighted by Beijing-Tianjin-Hebei collaborative development settled down in TEDA

throughout the year, with an agreed investment of 202.2 billion yuan.

- The total investment in fixed assets exceeded 50 billion yuan for the first time, increasing by 2.9% over a high base of the previous year and accounting for more than 10% of Tianjin's total. In the overall fixed assets investment, industrial investment accounted for 71.3%.

- 25 SOE projects settled down in TEDA, along with several tier-2 or tier-3 SOE headquarters of PipeChina, CHN Energy Coking Coal, PetroChina Bonded Fuel Oil, and Xinxing Cathy Research Institute.

Economic structure continued to improve. Value-added of strategic emerging industries in TEDA accounted for 40.7% of that of all its above-designated industrial enterprises, while the proportion of high-tech manufacturing accounted for 31.2%. Revenue of producer services increased by 10%. Revenue

#### [Honors]

TEDA's practice of *Policy Support Enabling Digital Transformation of Manufacturing Enterprises towards a More High-end, Intelligent, and Green Direction* was selected as a classic case of digital transformation of the manufacturing industry in 2024 by the Ministry of Industry and Information Technology.

of technology services increased by 15.7%. All these laid a solid foundation for sustainable development.

#### International Cooperation

TEDA and the Eastern Economic Corridor of Thailand Signed a Letter of Intent for Cooperation.

The two sides agreed to establish close economic and trade cooperation, give full play to their respective advantages and sharing experience about industrial parks with each other, connect enterprises of both sides along the industrial chain and supply chain, and carry out exchanges and cooperation in scientific and technological innovation, green and low-carbon development, human resources and skills development, etc.

TEDA and the China Innovation Center of the United Arab Emirates Signed a Memorandum of Cooperation.

TEDA and the United Arab Emirates China Innovation Center agreed to jointly build a comprehensive service platform for trade, investment and



innovation cooperation between the two places, expand the circle of friends for entrepreneurs from Tianjin and Dubai, and provide all-round and multi-dimensional assistance to enterprises to invest and start up businesses in each other's places.

### II. Hi-tech Innovation Fueling Up Growth Dynamics

#### Innovation Entities

TEDA Embraced More Innovative Entities

TEDA saw another 10 national-level specialized and innovative "little giant" enterprises, 51 new municipal-level innovation-driven SMEs, 7 municipal-level champion enterprises, and 77 specialized and innovative SMEs.

#### By the end of 2024

1,211	691
National-level High-tech Enterprises	Eaglet Enterprises
1,395	75
National Technology-based Small and Medium-sized Enterprises	Gazelle Enterprises
56	56
Leading Enterprises	Leading Enterprises

#### Higher R&D Capacity and Efficiency

TEDA's regional R&D expenditure exceeded 10 billion yuan, with the registered transaction volume of technology contracts exceeding 21 billion yuan, both ranking No.1 in Tianjin. Throughout the year, we saw 13 new R&D institutions (including engineering & technology centers, engineering research centers, enterprise-owned technology centers, and enterprise-owned key labs), and the total number of R&D institutions of provincial or ministerial level reached 190.

## S&T Achievements

Scientific and technological innovation reached new height.

27 research achievements from 20 TEDA enterprises were selected as the 2024 Tianjin Science and Technology Award Winners. Among them, there were 1 special prize for scientific and technological progress, 5 first prizes, and 16 award-winning projects with TEDA enterprises as the first contributors. The number of award-winning achievements reached a record high, covering key industrial fields such as aerospace, biomedicine, and new energy and new materials. TEDA's independent and original innovation capabilities have been continuously enhanced, adding more fuel to regional industrial upgrading and high-quality development.

## III. Prosperous Culture & Education

### Cultural Activities

#### A Vibrant City

Through series festival and theme activities such as the Shining the Chinese New Year Lantern Festival Carnival, the Reunion under the Full Moon 2024 Fun Lantern Show, and the Tianjin Binhai New Area Dragon Boat Competition, as well as the 2024 TEDA Spring Life Festival, 2024 TEDA Summer Art Season, the 2nd Tianjin Binhai New Area Seaside LOHAS Festival, TEDA visibly further uplifted its culture life and regional image, and enhanced satisfaction of local residents.

#### TEDA's Feature Industrial Tour

TEDA offers 10 feature industrial tourism projects including tours to the sites of FAW-Volkswagen, Master Kong, Yakult, and Otis. Other local tourist

attractions such as the Tianjin Polar Ocean Park, Chaoyin Temple, Beitang Ancient Town, and Binhai Cultural Center have received more than 1 million tourists.

#### The Yuxiang Area Non-motorized Transit System Completed

In January 2024, TEDA launched the Yuxiang Area non-motorized transit system project, with a total length of about 3.5 kilometers. The route organically connected local landmarks such as the Polar Ocean World, Moon Island, Ribbon Park, Riverside Park, and Tianjin Juilliard School. Continuous, safe, convenient, comfortable and healthy, it is a low-carbon and eco-friendly option for strollers, joggers and cyclists.

#### Fully-fledged Education System

##### Optimized Allocation of Educational Resources

Yaohua Middle School Binhai School, TEDA Yueyangdao Primary School, East China Normal University Affiliated School and the Senior High School of TEDA No. 1 Middle School successfully opened, making TEDA's matrix of schools more complete. Throughout 2024, there were 3,780 new enrollment quota in TEDA's senior high schools, 1,620 new ones in junior high schools, and 3,240 new ones in primary schools.

As of the end of 2024, TEDA had a total of 39 educational and teaching research institutions: 9 primary and secondary schools, including 8 public schools and 1 private school; 27 kindergartens, including 11 public kindergartens and 16 private kindergartens; and 1 Youth Palace. There were more than 23,000 students

and children enrolled, and more than 1500 teaching faculty members. The inclusive rate of preschool education was 100%, covering all the enrollment demand of school-age children from TEDA's registered households for public schools. The enrollment rate and consolidation rate of compulsory education both reached 100%.

#### Successful Collaboration of Industries and Education

TEDA's Industry-Education Consortium welcomed 30 new members, with a growth rate of more than 11%. Novo Nordisk and Tianjin Bioengineering Vocational and Technical College opened new experimental classes for TEDA's biomedical industry-education consortium. SinoMed jointly launched tailored classes with the Tianjin Bioengineering Vocational and Technical College, and jointly set up the Beijing-Tianjin-Hebei Biomedical Curriculum Development and Application Center together with Tianjin Academy of Educational Sciences Research Institute and Tianjin University.

#### Visible Progress in Community Inclusive Childcare

The annual childcare goal of 4 kindergarten enrollment quota per 1,000 people in the Tianjin Binhai New Area was attained, improving childcare accessibility for TEDA residents. The Heping District Nursing Home joined hands with TEDA to set up the Binhai Heping Nursing Home, creating the TEDA Model for Childcare, integrating medical services with education, effectively improving the level of infant health management, child health care, and childcare

services.

## IV. Reliable Human Resources Pooling

### Employment

In 2024, TEDA created 84,651 new jobs.

#### Attraction and Cultivation of Talents

In 2024, TEDA attracted a total of 4,000 middle and high-level talents and paid 150 million yuan of policy subsidies to various talents. Throughout the year, 1,139 "Haihe Talents" settled down, with undergraduate or above accounting for more than 80%. 1,828 talents settled down in the Tianjin Binhai New Area. Throughout the year, 10 people were recommended to acquire national-level honorary titles, 7 postdoctoral scientific research sub-stations were established, and 28 postdoctoral candidates were introduced to the region.

#### Talent Cultivation

TEDA saw the approval of China's first ventricular assist device application technology training base within the region. TEDA has trained 21 cardiac surgeons for 16 leading domestic medical institutions such as Peking Union Medical College Hospital and 301 Hospital (Chinese PLA General Hospital), and introduced to the rest of China the technology and practice of left ventricular assist device implantation in patients with end-stage heart failure.

#### Human Resources and Social Security Services

TEDA provides butler-style talent services to enterprises, solving their problems and difficulties about day-to-day operation and policy

interpretation in advance. Through the Taishengshi (TEDA the Troubleshooter) platform, TEDA released more than 300 articles to interpret policies for enterprises and local residents, with cumulative clicks of these articles exceeding 120,000.

#### Social Security Services

Throughout 2024, we coordinated and resolved school enrollment and transfer for 243 children of executives and employees of 50 companies, involving kindergartens, primary and secondary schools.

#### Expanding Coverage of Social Security

Throughout 2024, pension-insured population increased by 30,613 in TEDA. Several rent-exempted (for certain period) apartments for job seekers were put into operation.

#### Rent Subsidy for Job-seekers Apartments

TEDA Wonderhome Apartment, operated by TEDA Zhujia Asset Management Co., Ltd., was selected as supplier of the job seekers' apartments through public bidding, providing a total of 20 flats with rental subsidy standard at 120 yuan/flat/day.

#### Protection of the Rights and Interests of Women and Children

As of the end of 2024, women accounted for 36.9% of employees in industrial enterprises above designated size in TEDA. We invited public welfare lecturers to carry out women's legal empowerment programs, benefiting more than 12,000 female employees.

#### V. Healthcare Services



As of the end of 2024, there were 100 medical and health service institutions in TEDA. Among them, there were 10 general hospitals, 3 specialized hospitals, 48 other medical institutions run by social forces, 1 community health service center, 8 community health service stations, and 30 enterprise-owned health stations. There were 2,559 health technicians and 1,148 doctors. There were 1,329 hospital beds, and 2.0687 million people were diagnosed and treated throughout the year.

#### Streamlined Medical Treatment Process

TEDA Hospital has adopted a multidisciplinary diagnosis and treatment system (MDT) and successfully implemented a unified sickbed distribution system, improving bed utilization rate to over 80% throughout the year. Its day surgery clinic allowed patients to finish appointment for registration and appointment for surgery, hospitalization, and surgery within 24 hours or 48 hours.

#### Convenient Medical Treatment

TEDA has been encouraging Internet hospitals to operate in

accordance with laws and regulations, and facilitating doctors from Beijing and Hebei Province to provide medical services in the region. By 2024, 24 Internet hospitals were already in operation in TEDA. TEDA Hospital provided "Internet + online diagnosis and treatment" and "Internet + nursing" services to patients within a radius of 10 kilometers around the hospital. TEDA International Cardiovascular Hospital Internet Hospital provided comprehensive online diagnosis and treatment to 67,322 people in 2024, saved the lives of 5 patients via 120 helicopter ambulances.

#### Sports in TEDA

As of the end of 2024, TEDA had a total of 853 sports venues, with sports venue area totaling at 931,500 square meters and a per capita stadium area of 4.66 square meters. There are a total of 115 sports institutions, including 59 off-campus sports training institutions, 18 swimming venues, 1 diving venue, and 22 indoor gyms.

A total of 498 sports-for-all competitions of various types were held, involving 29 enterprises and 37,214 residents. More than 31,000 people participated in national physical fitness monitoring. 16 Super League competitions were held at TEDA Football Stadium.

#### VI. Harmonious Communities

TEDA now has 22 communities, covering 166 residential communities with 73,383 residential buildings and 120,000 permanent residents. The relief of low-income households and disabled people has been proceeding orderly, with visible progress in aging-

friendly services.

#### VII. Public Welfare Activities

##### Community Public Welfare Activities

##### Continuous Volunteer Service Activities

As of the end of 2024, TEDA had 163 registered volunteer service teams, and the total number of registered volunteers via the TEDA Loves You service platform has totaled 197,585.

##### Diversified Charitable Activities

A total of 43 charity projects for aid to students, elderly assistance, disabled assistance, medical assistance, aid to the needy and disaster relief were rolled out. Annual community donation revenue totaled 8.5705 million yuan, of which money donation was 8.5236 million yuan and materials donation was 46,900 yuan. Donation expenditure totaled 8.7179 million yuan, of which 8.671 million yuan was money donation expenditure and 46,900 yuan was materials donation expenditure.

## 天津经开区可持续发展 (ESG) 报告 2025 (第二部分：产城共兴 缔造温暖人文港湾)

### 一、经济持续增长，发展动能强劲

#### 经济潜力

高质量发展质效有力提升。2024 年全年，天津经开区经济发展势头强劲。

- 全年新增各类市场主体 12611 家，新增统“四上”企业 343 家。

- 实现地区生产总值 2581 亿元，比上年增长 5.8%。五年来增速首次同时超过全国、全市和新区，变“跟跑”为“领跑”。

- 规模以上工业总产值完成 5442.5 亿元，规模以上工业增加值增长 0.48%，是天津市高质量发展的主力军。

- 实际使用外资 8.55 亿美元，有力支撑全市外向型经济发展。

- 全年落地京津冀协同项目 338 个，协议投资额 2022 亿元。

- 固定资产投资总量首次超过 500 亿元，在高基数前提下增长 2.9%，占全市比重稳步提升至 10% 以上，产业投资占比 71.3%。

- 落地央企项目 25 个，国家管网系列项目、国能焦煤、中石油保税燃料油、新兴际华研究院等二三级总部纷纷落户。

经济结构持续优化。天津经开区战略性新兴产业增加值占规上工业比重为 40.7%、高技术制造业占比 31.2%。生产性服务业营收增长 10%，科技服务业营收增长 15.7%，为实现可持续发展奠定坚实基础。

#### 【荣誉】

经开区《政策叠加、系统推动制造业企业数字化转型，促进产业高端化、智能化、绿色化升级》案例成功入选工业和信息化部 2024 年度制造业数字化转型典型案例。

#### 国际合作

与泰国东部经济走廊签署合作意向书。双方将建立紧密的经贸合作关系，发挥各自优势，共享园区经济发展经验，进一步推动双方企业在产业链、供应链等领域的深度融合，在科技创新、绿色低碳发展、人力资本与技能发展等领域开展交流合作。

与阿联酋中国创新中心签署合作备忘录。天津经开区将与阿联酋中国创新中心共同打造两地贸易、投资与创新合作的综合性服务平台，共同建立天津、迪拜企业家朋友圈，为双方企业在本地投资、创业提供全方位多维度的帮助。

### 二、科技创新支撑，激发发展活力

#### 创新主体

创新主体培育成效显著。天津经开区新增国家级专精特新“小巨人”企业 10 家，市级创新型中小企业 51 家、市级单项冠军企业 7 家、“专精特新”中小企业 77 家。

园区累计拥有国家级高新技术企业 1211 家，国家科技型中小企业达 1395 家，雏鹰企业 691 家，瞪羚企业 75 家，领军（培育）企业 56 家。

创新能效持续提升。全区研发经费超过 100 亿元，技术合同登记交易额超 210 亿元，均位列全市首位。全年新增“三心一室”等研发机构 13 家，省部级研发机构总量达 190 家。

#### 科技成果

科技创新成果创新高。经开区 20 家单位的 27 项成果获奖入选“2024 年度天津市科学技术奖获奖名单”。其中，科学技术进步特等奖 1 项、一等奖 5 项、作为第一完成单位获奖项目达 16 项，获奖成果数量创历史新高，覆盖航空航天、生物医药、新能源新材料等重点产业领域。天津经开区自主创新和原始创新能力不断增强，为区域产业升级和高质量发展赋能蓄力。

### 三、文化教育繁荣，丰富精神家园

#### 文化活动

城市活力提升。经开区举办“耀启新岁·绽放于响”新春灯会、“月圆 悅团圆”2024 妙趣元宵喜乐会、滨海新区龙舟争霸赛等节日品牌活动，举办“2024 年泰达春日生活节”“2024 泰达夏日艺术季”、第二届滨城向海乐活节等主题活动。丰富市民精神文化生活，进一步提升经开区文化品位和城市形象。

打造经开区特色旅游。打造一汽大众、康师傅、养乐多、奥的斯等 10 个具有泰达产业特色的工业旅游项目。天津极地海洋公园（4A）、潮音寺、北塘古镇、滨海文化中心等休闲打卡景点，累计吸引游客超过 100 万人。

“于响”慢行系统工程完工通行。2024

年 1 月，天津经开区启动“于响”慢行系统工程，建设总长约 3.5 公里，有机串联起极地海洋世界、月亮岛、彩带公园、滨河公园、朱莉亚音乐学院等重要节点，建成连续安全、便捷可达、舒适健康慢行系统，有效促进低碳环保的生活方式。

#### 教育服务

优化教育资源体系配置。区内耀华中学滨城学校、泰达岳阳道小学、华东师大附属学校和泰达一中高中部顺利开办，共同构筑泰达教育的“名校矩阵”。高中阶段新增学位 3780 个，初中阶段新增学位 1620 个，小学阶段新增学位 3240 个。

截至 2024 年底，泰达共有已开办各级各类教育教研单位 39 所：中小学校 9 所，其中公办学校 8 所，民办学校 1 所；幼儿园 27 所，其中公办幼儿园 11 所，民办幼儿园 16 所；青少年宫 1 所。在校学生幼儿 23000 余人，教职工 1500 余名。学前教育普惠率 100%，实现户籍适龄幼儿公办学位需求全覆盖。义务教育阶段入学率和巩固率均 100%。

产教联合教育事业高水平推进。产教联合体新增 30 家有效链接成员，增长率超过



11%。推动诺和诺德、天津生物工程职业技术学院创新开设生物医药产教联合体实验班，赛诺医疗和天津生物工程职业技术学院共建订单班，与天津教育科学院研究院、天津大学等成立“京津冀生物医药课程开发应用中心”。

推动社区普惠托育发展。完成新区每千人口4个托位的年度托育目标，逐步实现泰达居民“幼有所育”。引入和平保育院资源，合作共建滨城和平保育院，打造“泰达托幼一体化样板间”，形成“医育结合”新模式，切实提升婴幼儿健康管理、儿童保健和养育照护服务水平。

#### 四、保障社会公平，共建美好园区

##### 就业

2024年，天津经开区新增就业人数84651人。

##### 人才引育

2024年，天津经开区累计引进中高层次人才4000人，兑现各类人才相关政策补贴1.5亿元。全年审批“海河英才”落户1139人，本科以上人才占比超80%，滨城落户1828人。全年推荐10人入选国字号称号，新增7家新设博士后科研工作站分站，引进博士后28名。

##### 人才培养

获批全国首家心室辅助装置应用技术培训基地。天津经开区为协和、301等16家国内领先的医疗机构培训21名心外科医生，并将终末期心衰患者左心室辅助装置植入技术和成果推向全国。

##### 人社服务



深化人才服务专属管家机制。为企业开展管家式人才服务，有效将企业在经办和解读各项政策中遇到的问题和难点前置解决。通过泰省事平台，发布惠企助民政策解读300余篇，累计点击人数超12万人次。

##### 社会保障服务

2024年全年共协调解决50家企业高管及员工的243名子女，幼儿园及中小学入学转学事宜。

全力推动社保扩面。区域新增养老保险参保人员30613人。免租求职公寓正式投入运营。

提供求职公寓补贴。通过公开招投标选出天津泰达住嘉资产管理有限公司运营的泰之嘉公寓（福瑞家园店）作为求职公寓供应商，共提供房源20套，租金补贴标准120元/套/天。

##### 妇女儿童权益保障

截至2024年底，天津经开区规模以上工业企业从业女性占比36.9%。邀请公益讲师开展女性法律赋能提升活动，惠及女职工12000余人次。

#### 五、卫生健康覆盖，守护百姓安康

截至2024年底，全区共有医疗卫生服务机构100家。其中，综合性医院10家、专

科医院3家、社会力量办其他医疗机构48家、社区卫生服务中心1家、社区卫生服务站8家、企业保健站30家。卫生技术人员2559人，医生1148人。病床1329张，全年诊疗206.87万人。

简化就医流程。泰达医院推行多学科诊疗制度（MDT），成功推行全院“一张床”，医院床位使用率全年均高于80%。开设日间手术门诊，实现患者预约挂号就诊、预约手术、安排时间住院24小时或48小时内完成手术。

推广便利就医。推动互联网医院依法依规展业，积极落实京津冀医师执业便利化政策。2024年，区内已有24家互联网医院营业。泰达医院推行“互联网+在线诊疗”和“互联网+护理”服务，辐射医院周边10公里的患者。泰达心血管医院互联网医院，2024年全面线上诊疗67322人次，空中立体120成功挽救5名患者生命。

全面推广泰达健康理念。截至2024年底，天津经开区共有体育场地数量853个，体育场地面积93.15万平方米，人均体育场面积4.66平方米。体育机构共计115家，其中有59家体育类校外培训机构，18家游泳场所，1家潜水场所，22家室内健身房。

共计举办各类全民体育比赛活动498场，参与企业29家、居民37214人，完成国民体质监测31000余人，举办16场泰达足球场中超赛事。

#### 六、宜居社区建设，提升幸福指数

泰达街道现有22个社区，涵盖166个居民小区，居民建筑户数73383户，常住居

民12万人。困难人员及残疾人员救助持续推进，适老服务水平不断提升。

#### 七、彰显社会贡献，助力共同富裕

##### 社区公益

持续开展志愿服务活动。截至2024年底，天津经开区已注册163支志愿服务团队，“泰YOU爱”志愿服务平台累计登记志愿者197585余人。

积极开展多种形式的慈善救助活动。同步推进助学、助老、助残、助医、助困、赈灾等版块共计43个慈善项目，全年社区捐赠总收入857.05万元，其中捐款收入852.36万元，捐物收入4.69万元。捐赠支出871.79万元，其中，捐款支出867.10万元，捐物支出4.69万元。

## The 2025 Sustainable Development (ESG) Report of Tianjin Economic-Technological Development Area (Chapter III. Innovative Initiatives Sets Benchmark for High-Efficiency Growth)

### I. Optimized Government Services & Higher Administrative Efficiency

#### Integrated Government Services

The TEDA Business Welcome Center Unveiled as China's 1st Multi-stakeholder Integrated Service Complex for Investors.

With an aim to welcome investors, build on investment environment and achieve win-win results, the Center uplifted and enriched our whole-life-cycle service functions for investors, integrated various service resources, and created unified online and offline one-stop service.

*Guidelines for Full-Cycle Government Services for Petrochemical and Chemical Projects in TEDA Released*



Consisted of seven special chapters such as introduction to Nangang Industrial Zone, industry policies, construction guidelines, energy guarantee, reform and innovation, and business environment, the Guidelines covers over 100 items relevant to the whole life cycle of petrochemical and chemical projects. For the convenience of investors, the full text of Guidelines was made into a QR code to provide a one-click policy and service access, effectively promoting the efficiency of project construction.

#### Efficiency of Drug Supervision Technology Service Improved

Drug inspection and management capabilities in TEDA saw constant improvement. Inspection time for imported bio-products was further

shortened from the original 39 working days to 24 working days on average.

#### Investment Service Cloud Platform Upgraded

The TEDA Investment Service Cloud Platform has added user SMS reminders, WeChat push, among other new functions. With refined column settings and expanded column contents, the platform worked with the TEDA Administrative Service Office to formulate a rapid response mechanism for all investment-related services. Up to now, 14,383 companies have been registered on the Investment Service Cloud Platform, 2,112 policies issued, 1,495 problems of investors solved, and 245 activities released. More than 10,999 products of local enterprises was recorded on the platform, with more than 3 million views.

#### Investment Service Upgraded

#### Innovation in International Shipping Management Measures

TEDA issued the *Management Measures (Trial) on Pilot Projects of Bonded LNG Bunkering for International Navigation Ships in the China (Tianjin) Pilot Free Trade Zone* as a policy support for bonded LNG bunkering in Tianjin. CNOOC Tianjin New Energy Co., Ltd. of TEDA has obtained pilot qualification for bonded liquefied natural gas bunkering for international navigation ships.

#### China-Australia Industry-Finance Connection Event Held

The event provided a chance for discussion over in-depth investment and financing cooperation between Chinese and Australian businesses, highlighted by the unveiling ceremony

of the Service Platform for Enterprise Going to Australia of the Tianjin Free Trade Zone Cross-Border Investment and Financing Comprehensive Service Center, lifting China-Australia industry-finance connection and cooperation to a new height.

#### Innovative Financial Services

#### Fruitful Financial Services for Enterprises

At TEDA Fund Town, 45 activities were held, including listing promotion, financing matchmaking, and road show training for a total of 867 companies. Through point-to-point services, we successfully found financing channels for 19 companies, involving 1.733 billion yuan. We provided coaching on finance, share reform, marketing, legal affairs, etc. to seed companies which fit into the criteria as companies of new, specialized and emerging sectors, and cumulatively served 40 companies for pre-listing preparation on the TEDA Listing Preparatory Board.

#### Innovative "Stock Options + Banks" Financial Services

We have come up with a new "stock options + banks" financial cooperation model, and proactively connected industrial parks, banking institutions, and venture capital institutions. The invested enterprises receive financial support by transferring options, and securing financial guarantee for the commercialization of their scientific research findings.

#### More Flexible and Convenient Cross-border Funding

Through the newly established Tianjin Pilot Free Trade Zone Cross-Border Investment and Financing



Comprehensive Service Center, we fostered a “government + bank + intermediary agency” joint service matrix which made cross-border comprehensive services such as approval services, structure setting-up, tax-related consultation and due diligence more smoothly linked. A full-life-cycle service of pre-registration guidance, in-process coaching, and post-registration supervision ensures regular and one-stop cross-border investment and financing service for enterprises.

#### Tianjin's 1st AIC Equity Investment Fund

An Assets Investment Corporation (AIC) equity investment fund has settled down in Tianjin Binhai-Zhongguancun Science Park with a target investment scale of 1 billion yuan and mainly focused on strategic emerging industries and future industries. Based in the Tianjin Binhai New Area, it aimed to foster new productive forces.

#### Successful Issuance of Tianjin's 1st Public REITs

In August 2024, TEDA Industry Development Group successfully issued a public REITs, raising a total

of 1.199 billion yuan with capital appreciation rate of 36%, achieving a double premium in the capital market, revitalizing existing assets and innovating investment and financing mechanisms for the Economic Development Zone, broadening rights and interests.

#### Tianjin's 1st Enterprise Green Code-linked Loan Issued

The Binhai Branch of the Bank of Tianjin issued a 10-million-yuan innovative working capital loan to Tianjin TEDA Filters, a TEDA-based enterprise, based on the Enterprise Green Code which was issued by the Ministry of Industry and Information Technology as identification of the development level of green factories in accordance with the *General Rules for Evaluation of Green Plants*. This is an encouraging signal for traditional manufacturing enterprises in their green and low-carbon transition.

#### China's 1st Loan for Transition Finance

Bohai Bank provided Tianjin Bohai Chemical with the country's first transition finance loan with preferential interest rates. The loan will be used to support the enterprise to reduce carbon dioxide emission by 3,738 tons per year.

#### Expanding Intellectual Property-backed Financing Channels

We helped enterprises connect financial institutions, guided them in evaluation and pledge of data intellectual property rights so as to realize data intellectual property rights pledge financing. We have helped 11 companies including CAS Iristar, IDTE Opto-electronics, and ROFS to carry

out patent pledge financing, receiving a total funding of 50 million yuan through the pledging of 107 patents.

#### High-tech Related Services

##### (1) IPR Services

Strengthened IPR Services. TEDA officially launched an IPR operation center to strengthen a whole-process professional service system for IPR creation, protection, and utilization as well as protection of trade secrets for local enterprises.

By the end of 2024, TEDA completed 541 IPR support policy payment applications, involving 17.971 million yuan in total.

##### (2) Protection of Trade Secrets

#### Trade Secret Dispute Mediation Center Launched

The TEDA Trade Secret Dispute Mediation Center started operation. Giving full play to the advantages of administrative and judicial mediation with a balance between protection and prevention, it can mediate trade secret disputes in a centralized and efficient way, and provide more accurate and considerate services for the protection of trade secrets.

#### Precise Protection of Trade Secrets for Key Industries

TEDA has set up 6 trade secret protection service stations and helped 16 enterprises to be recognized as trade secret protection demo examples. Together with TEDA Notary Office, TEDA jointly promoted a trade secret protection and evidence preservation system. We compiled 6 model texts including the *Enterprise Trade Secret Management System*. We also set up a three-dimensional network for trade secret protection.

#### Helping Enterprises Improve Trade Secret Protection Capabilities

We issued 3 trade secret protection guidelines, namely, the *Guidelines for Administrative Law Enforcement of Trade Secrets*, the *Guidelines for Enterprise Self-Protection of Trade Secrets* and the *Guidelines for Enterprises' Rights Claim Concerning Trade Secrets*. We built up an online platform for comprehensive protection of trade secrets and the cloud platform for self-inspection for enterprises' trade secret protection to assist enterprises to better protect their trade secrets.

#### II. Open and Interconnected Data Disclosure Enhancing Collaborative Governance

##### Financial Information Disclosure

We formulated the Interim Measures for Departmental Budget Management in TEDA with an aim to continuously standardize departmental budget management.

##### Environmental Information Disclosure

As of the end of December, 2024, our independent information disclosure platform of third-party environmental service organizations has registered a total of 207 third-party environmental service organizations, an increase of 16 ones compared with 2023. A regional environmental communiqué was issued, and 157 companies regularly disclosed environmental information.

##### Digital Urban Management

The TEDA Sub-district Digital Urban Management system was put into operation in 2008. It now covers 54.14 square kilometers. The annual number of closed-loop cases reporting

exceeds 400,000, with disposal rate at around 90%. It mainly includes three categories of information: hardware resources, software platform and geographical data census.

### III. Safety as the Corner Stone for Economic Growth

#### Emergency Management

##### Emergency Information Supportability

Nangang Industrial Zone has deployed multi-level terminal sensing equipment to form a geographical information data center for a “major emergency + all-disaster” monitoring and early warning network, expecting to realize unified map + network for safety management, monitoring and early warning, and emergency command. As of the end of 2024, it has realized data interconnection with 33 key enterprises, accessing 5,017 routes of enterprise sensor data and 622 routes of video data.

##### Water Environment Safety Network in Nangang

The Nangang Industrial Zone has set up a three-level prevention and control system for accident wastewater. It guided enterprises within the zone to improve relevant infrastructure, carry out joint prevention and control as well as mutual assistance to improve emergency response capacity for water environmental emergencies.

#### Work Safety

##### Strengthening Safety Education and Training

Safety education and training programs for enterprises were carried

out, covering 25,500 executives and 337,300 employees, and the criteria for determining major accident hazards were publicized and interpreted 1759 times. Through the Safety TEDA APP platform, 350,000 people from various enterprises finished online learning.

#### Disaster Prevention and Mitigation

##### Coordinated Disaster Prevention

TEDA revised its Flood Control Emergency Plan. We set up a 16-point extreme heavy rainfall response mechanisms, a list of three types of workforce responsible for three first-level flood discharge channels and two tide prevention projects, and a list of 182 sunken spaces. We set up four new mechanisms, including the flood in-zone control mechanism, the emergency response force preemptive mechanism, the joint on-duty and consultancy mechanism, and the immediate response mechanism.

## 天津经开区可持续发展 (ESG) 报告 2025

### (第三部分：创新智治 引领高效发展标杆)

#### 一、政务服务优化，提升行政效能

##### 深化政务服务

成立全国首个多元共建系统集成涉企服务综合体——天津经开区迎商中心。积极构建迎商、营造、共赢的三营体系，丰富涉企全生命周期服务职能，整合各类服务资源，提供线上线下一口、一站、一条龙兜底服务，进一步优化区域营商环境。

发布《天津经开区石化化工产业项目全周期政务服务指引》。《指引》包括南港工业区区域介绍、产业政策、建设指南、能源保障、改革创新和营商环境等7个专篇，覆盖了百余项石化化工项目全生命周期事项。为方便投资者知悉查阅，将《指引》制作成

“二维码”，实现政策一掌通、服务一键达，有效促进项目建设提速增效。

提升药监技术服务效率。天津经开区不断提升药品检验能力和管理能力，进一步缩短进口生物制品检验时限，由原平均39个工作日减少至24个工作日。

升级企业服务云平台。天津经开区企业服务云平台增加用户短信提醒、微信推送等功能，细化栏目设置、扩充栏目内容，联合政务办制定涉企服务快速响应机制。截至目前，企服云平台注册企业14383家，发布政策2112条，解决企业问题1495个，发布活动245个，平台内收录企业产品10999余件，产品浏览量300余万次。

##### 丰富企业服务

创新国际航运管理办法。天津经开区正式印发《中国（天津）自由贸易试验区国际航行船舶保税液化天然气加注试点管理办法（试行）》，为在津开展保税LNG加注提供政策支持。区内中海石油天津新能源有限公司获批国际航行船舶保税液化天然气加注试点资格。

举办中澳产业与资本对接交流会。会议围绕中澳企业在投融资领域深度合作的机会进行探讨，并举行天津自贸区跨境投融资综合服务中心“澳洲出海企业服务平台”揭牌启动仪式，将推动中澳产业与资本对接合作迈向新高度。

##### 创新金融服务

企业金融服务成效明显。天津经开区基金小镇举办上市宣讲、融资对接、路演培训等活动45场，累计服务企业867家次，通过“点对点”专项服务成功为19家企业对接投融资金额17.33亿元。为“专精特新”类“种子企业”提供财务、股改、营销、法律等专业化上市辅导，累计推动40家企业在“泰达上市预备板”进行挂牌培育。

创新“认股权+银行”金融服务。探索创新“认股权+银行”金融合作新模式，积极与产业园区、银行机构、创投机构开展对接。被投企业通过出让期权的方式获得资金支持，为科研成果落地转化提供资金保障。

持续提升资金跨境灵活便利。设立“天津自贸试验区跨境投融资综合服务中心”，构建“政府+银行+中介机构”联合服务矩阵，打通审批服务、架构搭建、涉税咨询、尽职调查等跨境综合服务环节，覆盖企业事前引导、事中辅导、事后督导的全生命周期服务，为企业提供常态化一站式的跨境投融资专业服务。

注册全市首只 AIC 股权投资基金。金融资产投资公司（AIC）股权投资基金落地天津滨海—中关村科技园，基金目标投资规模为 10 亿元，将重点聚焦战略性新兴产业和未来产业，立足滨海新区打造原始创新策源地，培育新质生产力。

成功发行天津市首单公募 REITs。2024 年 8 月，天津经开区产发集团成功发行公募 REITs，共募集资金 11.99 亿元，资产增值率 36%，实现资产在资本市场的双重溢价，为经开区盘活存量资产、创新投融资机制、拓宽权益。

天津市首笔“企业绿码”挂钩贷款成功落地。天津银行股份有限公司滨海分行创新贷款产品，依据工信部《绿色工厂评价通则》认定绿色工厂发展水平的“企业绿码”，为天津经开区企业天津泰达洁净材料有限公司发放 1000 万元流动资金贷款，鼓励传统制造业企业向绿色低碳转型。

全国首笔“转型金融”贷款。渤海银行为天津渤化化工提供全国首笔“转型金融”贷款并获优惠利率支持，预计每年可减排二氧化碳 3738 吨。

拓宽知识产权融资渠道。帮助企业对接

金融机构，指导开展数据知识产权评估质押工作，实现数据知识产权质押融资。帮助中科虹星、沂普光电、诺思等 11 家企业开展专利质押融资工作，质押专利 107 件，融资金额超过 5000 万元。

#### 强化科技服务

#### 知识产权服务

加强知识产权服务水平。正式启动知识产权运营中心，集聚知识产权创造、保护、运用和商业秘密保护专业服务力量，着力打通知识产权创造、运用、保护、管理、服务全链条，为区内企业提供知识产权全链条服务。

截至 2024 年底，天津经开区完成 541 笔知识产权政策兑现拨付申请，金额共计 1797.1 万元。

#### 商业秘密保护

启动运营商业秘密纠纷调解中心。天津经开区商业秘密纠纷调解中心正式启动运营，将充分发挥行政、司法调解优势，兼顾保护和防范，集中快速调解商业秘密纠纷，为企业商业秘密保护工作提供更加精准周到的服务。

精准保护重点产业商业秘密安全。天津经开区共培育 6 个商业秘密保护服务站、16 个商业秘密保护示范企业。与泰达公证处共同推动商业秘密保护存证体系建设。编制《企业商业秘密管理制度》等 6 个示范文本。构建商业秘密保护立体网络，提升商业秘密保护水平和治理效能。

提升企业自主护密能力。发布《商业秘密行政执法规范指引》《商业秘密企业自我



保护指引》《商业秘密企业维权指引》3 个商业秘密保护指引，搭建“密顾问”商业秘密综合保护线上平台与“企业商业秘密保护自检云平台”，助力企业构建完善的商业秘密保护体系。

### 二、数据开放互联，促进协同治理

#### 财务信息披露

制定《天津经济技术开发区部门预算管理暂行办法》，持续规范部门预算管理工作。

#### 环境信息披露

截至 2024 年 12 月底，环境服务第三方机构自主信息公开平台累计注册环境服务第三方机构 207 家企业，较 2023 年新增 16 家。发布区域环境公报，157 家企业定期开展环境信息披露。

#### 数字城管

泰达街数字城管于 2008 年建设上线运行，2017 行政区域调整后，现覆盖 54.14 平方公里，年闭环上报案件数超 40 万条，处置率达 90% 左右。建设内容包含硬件资源、软件平台和地理数据普查三部分内容。

### 三、坚守安全底线，保障稳定发展

#### 应急管理

提升应急信息保障能力。南港工业区布局多层次终端感知设备，打造地理信息数据中心，形成“大应急、全灾种”监测预警网络，实现安全管理、监测预警、应急指挥“一张图”“一张网”。截至 2024 年底，已与 33 家“两重点一重大企业”形成数据互联互通，接入企业传感器数据 5017 路、视频数据 622 路。

筑牢南港水环境安全屏障。南港工业区推动事故废水三级防控体系建设，指导区内企业完善基础设施配备，开展水体联防联控达成合作，推动有关企业有序推进水体联防联控互助工作，提高突发水环境事件应急防范能力。

#### 安全生产

#### 强化安全教育培训

深入开展生产经营单位主要负责人安全教育培训行动和从业人员安全素质能力提升行动，培训主要负责人 2.55 万人次、从业人员 33.73 万人次，宣贯解读重大事故隐患判定标准 1759 次。深化“泰安全”APP 平台应用，累计推动企业 35 万人次使用在线学习。

#### 防灾减灾

#### 统筹推进灾害防范

天津经开区修订《经开区防汛应急预案》，构建 16 项极端强降雨应对机制。建立 3 条一级行洪河道和 2 处防潮工程三类责任人清单、182 处下沉空间清单。建立防汛战区处置机制、应急力量前置机制、联合值守会商机制和叫应机制等 4 个新建机制。