



國家科學及技術委員會中部科學園區管理局

Central Taiwan Science Park Bureau, National Science and Technology Council

Central Taiwan Science Park Bureau National Science and Technology Council

2025 Corporate Sustainability Report





**Central Taiwan Science Park Bureau
National Science and Technology Council**

2025 Central Taiwan Science Park Bureau
Voluntary Department Reviews



A Message From The Director-General

A Message from the Director-General

Summary Highlights

Performance of sustainable management in 2024-2025





A Message from the Director-General

In 2024, the Central Taiwan Science Park published its first "Sustainable Development Goals Voluntary Department Reviews" (VDR) covering 2023. It won two major TCSA awards : the Platinum Award and the Circular Economy Leadership Award. With this honor and the expectations of everyone in mind, we have prepared the 2025 edition with determination and transparency. This report is more than just a record of our work; it is our plan to build the world's most competitive science park based on three core goals : leading with Innovation, Building Long-Term Resilience, and Promoting Inclusive Co-prosperity.

Looking back at 2025, thanks to the rapid growth of AI and high-performance computing technologies, the Central Taiwan Science Park achieved excellent results. Our total annual revenue reached NT\$1.13 trillion, the second-highest in our history. Additionally, our total trade volume hit NT\$1.39 trillion, and the number of people working in the park grew to 61,901. Both figures reached record highs. Beyond these figures, this success represents the strong support we provide to our local economy and shows that over 60,000 families are living and working happily.

“

Every number and project recorded in this report is the result of the hard work of all the staff at the Central Taiwan Science Park Administration, our business partners, and everyone involved with us. We hope this report demonstrates our steady progress on the path toward sustainability, as we work together to build a future where smart technology and nature can thrive side by side.

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Director-General
Central Taiwan Science Park Bureau



Innovation Leadership

In terms of leading with innovation, the Central Taiwan Science Park has never stopped preparing for the future. The highly anticipated Taichung Park expansion project started its public infrastructure work on time in June 2025, and the leading semiconductor company, TSMC, officially began building its factory there in October 2025. Once this project is finished, it is expected to create 4,500 high-quality jobs and add NT\$500 billion to our economy each year, which helps maintain Taiwan's position as a global leader in semiconductor manufacturing. At the same time, our Erlin Park is becoming a new home for high-tech businesses, with its total sales growing by more than 200%. This shows how quickly the park is growing and how successful we are at helping many different types of businesses thrive.



Resilient Sustainability

Regarding resilience and sustainability, the Central Taiwan Science Park is actively moving toward a green transformation. The nation's first "Taichung Zero-Waste Manufacturing Center" is now fully operational at the Taichung Park, reducing the need to send 110,000 metric tons of waste off-site for processing each year and cutting carbon emissions by about 40,000 tons. The water recycling rate for the semiconductor and optoelectronics industries in the park has reached 91.9%. In 2025, we officially opened Taiwan's first "Perovskite Zero-Carbon Building," which combines energy production and energy savings. Additionally, the reconstruction of the Taichung Park wastewater treatment plant was recognized with a "Distinction" award at the 25th Public Works Golden Quality Awards for its excellent engineering. By using MBR technology, the water discharged from this plant can now reach the quality of recycled water. All of these achievements are solid milestones in our journey toward becoming a sustainable, green science park.



Inclusive Prosperity

In terms of working together for everyone's benefit, we have improved the learning opportunities at the park. The new school buildings for the CTSP Experimental High School were completed in the second quarter of 2025, and a new elementary school division opened in August of that same year. Regarding our efforts to protect nature and promote art, photos of public art installations at Houli Park were chosen by the Ministry of Education to be included in middle school art textbooks, serving as a great example of how landscape art and education can work together. Furthermore, we partnered with companies in the park to participate in Taiwan's first World Bird Fair," showing how our long-term care for the park's plants and environment has helped technology and nature coexist harmoniously.



NT\$1.13 Trillion

Revenue Reached the Second-Highest Level on Record



NT\$1.39 Trillion

Total Trade Value Hit a New Record High



61,901 People

Total Number of Employees in the Park



110,000 Metric Tons

Annual Reduction in Waste Sent for External Treatment



91.9%

Process Water Use in the Semiconductor and Optoelectronics Industries

Summary Highlights



CTSP's Vision and Mission for Sustainable Development

The purpose of the Central Taiwan Science Park is to build complete public facilities and service systems, create an excellent environment for investment, and attract high-quality domestic and international companies to boost the development of high-tech industries in central Taiwan. To show our determination to support our nation's goal of sustainable development, the Central Taiwan Science Park Bureau (part of the National Science and Technology Council) has developed a blueprint aligned with Taiwan's Sustainable Development Goals (T-SDGs) for our future. We have set three main goals—"Leading with Innovation," "Building Long-Term Resilience," and "Promoting Inclusive Co-prosperity" — to guide our policies and actions.



Report Preparation and Structure

This report follows the Guidelines for the Writing of Voluntary Inspection Reports of the Ministry, and uses the CTSP Bureau's Blueprint for Sustainable Development, Organizational Structure and Promotion Mechanism, Major Core Goals and Promotion Results and Future Outlook as its reporting framework, and explains the contents and achievements of business implementation in combination with the sustainable vision, governance axis and 16 promotion measures, and systematically presents CTSP's response to the sustainable development goals (T-SDGs) in Taiwan.



Summary Highlights



Implementation and Review Framework of the Voluntary Department Review (VDR)

The Environmental and Safety Division is in charge of planning the Sustainable Development Goals Voluntary Department Reviews (VDR), while the Sustainability Editorial coordinates day-to-day operations and data collection. Together, they have reviewed how the Bureau's activities align with the T-SDGs. By carefully examining our policies, we have confirmed that our efforts in growing the economy, improving teamwork across different fields, managing the environment, being responsible to society, and building better facilities demonstrate that we are making real and meaningful contributions to the T-SDGs.



Promoting Economic Development



Strengthening Cross-Sector Collaboration



Enhancing Environmental Management



Fulfilling Social Responsibility



Advancing Park Development



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Performance Of Sustainable Management In 2024-2025



Performance of sustainable management in 2024-2025



Environmental Performance



Fulfill environmental impact assessment commitments, and conduct stack emission monitoring for manufacturers in the park, achieving a **100%** overall compliance rate.

Resource circulation management continued to be implemented, with the water recycling rate for manufacturing processes reaching **91.3%** and the resources reuse rate reaching **96.7%**.

Green transport reduced carbon emissions by **107 metric tons of CO₂e**.

By the end of 2025, achieving a cumulative water-saving potential of over **12 million tons per year** and an energy-saving potential of over **157,000 thousand kWh per year**.

Environmental education activities attracting over **14,000 participants**.



Performance of sustainable management in 2024-2025



Social Performance



Performance of sustainable management in 2024-2025



Managing Performance



The total import and export trade volume reached **NT\$1.39 trillion**, marking a historic high.

Successfully driving companies to invest over **NT\$65 million** in research and development.

120 delegations from sister parks and international organizations, comprising **4,715 visitors**, were received.

Won the Top Excellence Award for "SDGs 12 Promoting Zero-Waste Resource Circulation in Industrial Parks" at TSAA, the "Circular Economy Leadership Award" at TCSA, and the "Platinum Award" in the Government Category for Sustainability Reporting.

The Innovative Startups Initiative (FITI) and successfully attracting **19 startup companies** to establish operations in the park.

A hand is shown reaching out towards a digital interface. The interface features several icons: a sun, a plus sign, a computer monitor, a hand holding a plant, and a lightning bolt. These icons are connected by lines, suggesting a network or process. The background is a dark blue gradient with a large teal shape on the left side.

Blueprint for sustainable development

Blueprint for sustainable development



ment



Blueprint for sustainable development

01

Vision (Purpose of Establishment)

The purpose of the establishment of the Science Park is to provide an excellent industrial development environment, introduce advanced technology industries and scientific and technical talents, give play to the industrial clustering effect, and promote the rapid transformation and upgrading of the domestic industrial structure. CTSP Bureau takes "promoting the industrial upgrading in the central region and promoting the balanced development of the region" as its mission, and at the same time, it is committed to considering the sustainable environment, making great efforts to promote the balanced development of all aspects of society, and to interact with local governments for mutual prosperity and win win, and taking "innovation orientation," "sustainable park," and "social integration" as our mission" to achieve the highest goal of our efforts, CTSP will become the most competitive science park in the world.

02

Policy Pillars and Related Core Goals

The Central Taiwan Science Park (CTSP) Bureau is dedicated to practicing Taiwan's Sustainable Development Goals, launching a comprehensive transformation spanning economic development, environmental sustainability, and social inclusion. To move toward sustainable development, CTSP uses green technology as an engine to accelerate the industry's transition toward a circular economy and assists companies in refining carbon reduction strategies to build a smart, sustainable park. CTSP not only pursues sustainable economic growth, but is also committed to optimizing the investment environment and increasing job opportunities, while prioritizing the dynamic balance between urban-rural prosperity and environmental ecology. Through cross-disciplinary cooperation and local connections, a friendly living environment is created, fulfilling long-term commitments to society and the environment and embodying the value of coexistence where technology and ecology go hand in hand. CTSP Bureau's main core objectives align with T-SDGs 6, 12, and 13, with secondary contributions to goals 4, 8, 11, and 17.

The primary SDGs addressed are Goals 6, 12, and 13.



The secondary SDGs addressed are Goals 4, 8, 11, and 17.



03 Sixteen Promotion Measures

The Central Taiwan Science Park (CTSP) Bureau has developed 16 promotional measures based on 4 major policy pillars and 3 major sustainable visions. By reviewing the relevance between park operations and the T-SDGs, the duties of each division are clearly mapped to core goals, with each division responsible for relevant implementation work. Progress is reviewed as needed through meetings and official correspondence, and the results are reported during internal meetings.



Vision : Innovation Leadership

Major core targets of T-SDGs



Ensure comprehensive, fair and high quality education and advocate lifelong learning.



Promote inclusive and sustainable economic growth, enhance labor productivity, and ensure that all people enjoy quality employment opportunities.



Establish multiple partnerships and work together to promote a sustainable vision.

Involving other core goals



Main administrative policy

- Driving Industrial Innovation Accelerating Smart Transformation Upgrade
- Leveraging Industry Clustering Effects to Enhance Industrial Value

Core goals related to promotion measures

- Innovative Investment Attraction, Local Employment
- Strengthening Professional Talent Cultivation and Development
- Promoting the Development of High-Value Industrial Technologies
- Strengthening Industry Exchange and Global Alignment

Business-Related Departments

- Business Division
- Environment and Labor Affairs Division
- General Affairs Division
- Planning Division
- Investment Division

Vision : Resilient Sustainable

Major core targets of T-SDGs

		
Ensure environmental quality and sustainable management of environmental resources.	Promote green economy and ensure sustainable consumption and production mode.	Complete mitigation and adaptation actions to cope with climate change and its impact.

Involving other core goals

   	 
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Main administrative policy

- Building a Resilient, Sustainable, and High-Quality Investment Environment

Core goals related to promotion measures

- Environmental Protection and Pollution Control
- Strengthening Water Resource Resilience
- Promoting Energy Conservation and Renewable Energy
- Building a Circular Economy Demonstration Park
- Enhancing Smart Governance and Cybersecurity Protection
- Advancing Toward Net-Zero Carbon Management

Business-Related Departments

- Environment and Labor Affairs Division
- Construction Management Division
- General Affairs Division
- Secretariat Office
- Business Division



Vision : Inclusive Co-prosperity

Major core targets of T-SDGs



Promote inclusive and sustainable economic growth, enhance labor productivity, and ensure that all people enjoy quality employment opportunities.



Construct cities and villages with inclusive, safe, resilient and sustainable characteristics.

Involving other core goals



Main administrative policy

- Building a Resilient, Sustainable, and High-Quality Investment Environment
- Creating a Friendly Park to Promote Local Co-prosperity and Coexistence

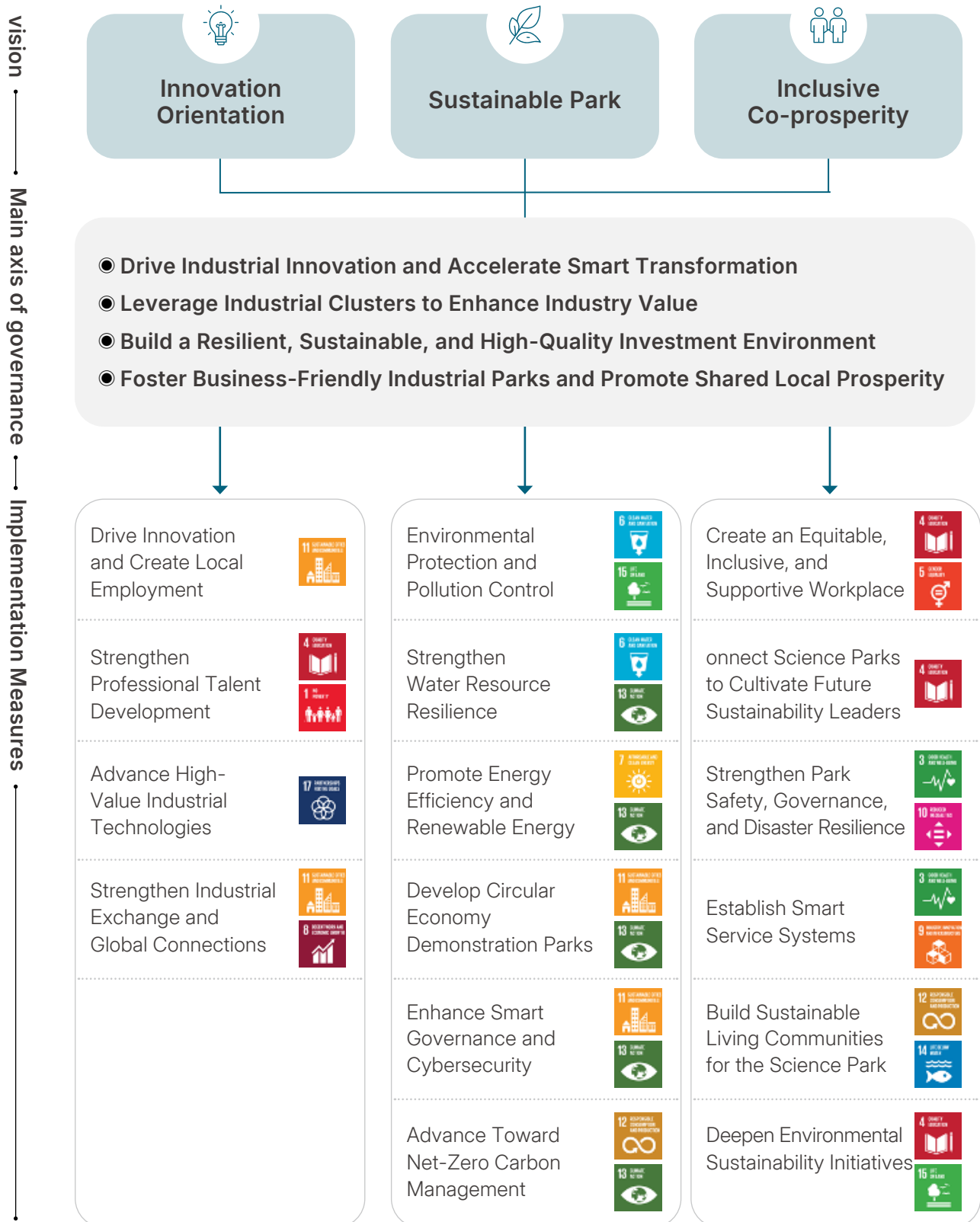
Core goals related to promotion measures

- Creating an Equitable, Friendly, and Happy Workplace
- Connecting Science Parks, Cultivating Sustainable Generations
- Strengthening Park Safety Governance and Disaster Response
- Building an Intelligent Service System
- Building a Sustainable CTSP (Central Taiwan Science Park) Living Cycle
- Deepening Environmental Sustainability Actions

Business-Related Departments

- Environment and Labor Affairs Division
- Personnel Office
- Planning Division
- General Affairs Division
- Business Division
- Investment Division
- Secretariat Office

The link between vision, governance axis, promotion measures and core goals of T-SDGs





Organizational structure and promotion mechanism

**Organizational structure and membership
Promote the Decision-making, Implementation and
Supervision process of T-SDGs**

A photograph of a modern office interior with large glass windows. Several business professionals are silhouetted against the bright light coming from the windows. They are standing and talking, with one person holding a small object. The background shows a dense city skyline with various skyscrapers under a clear blue sky. The floor is highly reflective, showing clear reflections of the people and the city. The overall mood is professional and dynamic.

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nism**



Organizational structure and promotion mechanism

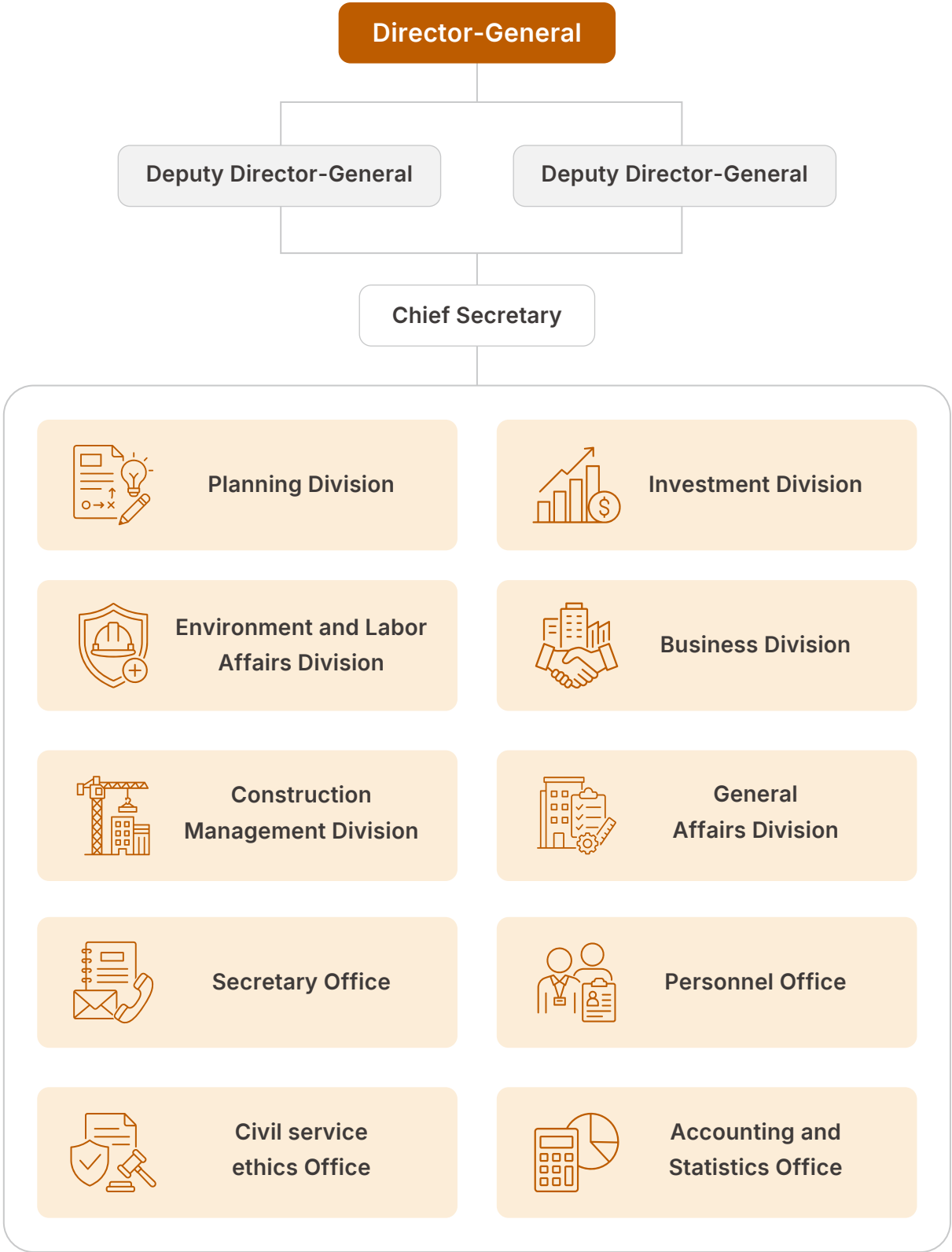
Organizational structure and membership

The government created science parks to build a great place for businesses to grow. By bringing in high-tech companies and grouping them together, these parks help make local industries more modern and successful. When the parks need to grow or build new areas, the people in charge talk closely with the local government and other groups. They also carefully listen to what the companies inside the park and the people living nearby need and hope for, so that the success of the park helps everyone in the community.

The Central Taiwan Science Park (CTSP) Bureau is part of the National Science and Technology Council. It follows the "Science Park Establishment and Management Act" to carry out its duties. According to the "Organization Act of the Central Taiwan Science Park Bureau, National Science and Technology Council," there is one Director-General, two Deputy Directors-General, and one Chief Secretary. Under them, there are six divisions : Planning, Investment, Environmental Safety, Business, Construction, and Building Management. There are also four offices : Secretarial, Personnel, Civil Service Ethics, and Accounting. Together, they manage and operate the science park.



Organizational Structure





● Business responsibilities of each unit

Division	Service description
 Planning Division	1. Planning and promotion of park development policies, strategies and related measures. 2. Development of CTSP Bureau's annual policy plan. 3. Management of important administrative plans and project plans. 4. Management, supervision, coordination and liaison of the parks under its jurisdiction. 5. Preparation and consolidation of budget estimates for public service and operating funds. 6. Operating fund financial planning, analysis, audit and fund scheduling. 7. Business coordination of experimental middle schools in the park. 8. Regulations, contracts, litigation, legal advice and other legal matters. 9. Other relevant planning matters.
 Investment Division	1. Consultation, answer, review, operation guidance and services for the establishment of park enterprises. 2. Study and analysis of the investment strategy and the formulation of investment laws and regulations in the park. 3. Introduction and management of innovative breeding centers and research institutions. 4. Promotion of industrial innovation and entrepreneurial development in the park. 5. Draft plans for attracting investment at home and abroad and introducing industries into the park. 6. Promoting the innovation and development of scientific and technological research in the park. 7. Training of scientific and technical personnel and acquisition and adjustment of human resources in the park. 8. International cooperation in the park, domestic and international guest reception, image promotion and marketing promotion. 9. Examination of the norms for professionals to enter the park for communication. 10. Other relevant investment matters.

● Business responsibilities of each unit

Division	Service description
 Environment and Labor Affairs Division	1. Consultation, publicity and coordination of labor disputes in the park's labor laws and gender equality work laws. 2. Counseling by labor organizations and labor associations in the park, and planning and promotion of cultural, recreational and recreational activities for workers. 3. Staff welfare counseling and labor employment promotion and counseling. 4. National defense reserve training, suspending the recruitment and business coordination of industrial and commercial groups. 5. Planning and coordination of safety protection system, police security, disaster prevention and emergency response in the park. 6. Coordination of civil defense business in the park. 7. Review and management of applications for environmental protection permits of park enterprises. 8. Planning and promotion of environmental protection business in the park. 9. Occupational safety and health management and labor inspection. 10. Other matters related to labor and environmental protection.
 Business Division	1. Planning and implementation of industrial and commercial registration (including company registration, factory registration and movable property secured transaction registration) of park manufacturers. 2. Review and guidance management of the entry of industrial and commercial services into the zone. 3. Promotion and implementation of industrial and commercial administrative business (including the issuance of tax exemption certificates for enterprises in the park, operation investigation and zreview of final accounts) and the formulation of laws and regulations. 4. Licensing and management of hiring foreign specialized or technical personnel. 5. Trade, bonded and park business management fee collection laws and regulations.



● Business responsibilities of each unit

Division	Service description
 Business Division	6. Planning and implementation of business related to trade, issuance of certificates of origin, import and export visas for goods, and bonded business management fees in the park. 7. Planning and integration of the business aspects of the customs clearance system in the park. 8. Management of warehousing and logistics business in the park. 9. Other relevant industrial and commercial matters.
 Construction Management Division	1. Construction and maintenance of public works, park green space, flood detention pond and landscape facilities in the park. 2. Construction and maintenance of standard factories, dormitory and other public buildings in the park. 3. Coordination of water supply and demand in the park and the promotion of water conservation policies. 4. Coordination of power supply and demand in the park, safety guidance and issuance of registration licenses for electrical technicians. 5. Construction of sewage treatment plants and discharge pipes. 6. Review of water and electricity use plans of park manufacturers. 7. Park road excavation permit issued. 8. Construction and maintenance of soil and water conservation facilities. 9. Other related construction matters.
 General Affairs Division	1. Establishment of the Park, substantive planning, and formulation and review of relevant plans. 2. Review and change of the urban plan of the park, review and change of non-urban land, urban design review, land use control and building management. 3. Acquisition of land in the park. 4. Management and income of public property. 5. Rental and sale of factories, houses and other related buildings. 6. Traffic planning and management. 7. Other matters related to land planning, land administration and construction management.

● Business responsibilities of each unit

Division	Service description
 Secretary Office	1. Seal keeping and management of documents and files. 2. Management of deliberation, cashier, finance, repair, procurement and other affairs. 3. Management of real estate, such as the general office, official business and head quarters of the Bureau. 4. The bureau archives, property, vehicle management. 5. Management of workers (including technicians and drivers). 6. Management of all matters that do not belong to other groups and offices.
 Personnel Office	1. Planning how the organization is set up and structured 2. Planning the hiring and moving of workers 3. Planning test scores, hiring lists, and general worker records 4. Protecting workers' rights and stopping bullying at work 5. Planning training classes and tracking learning hours for workers 6. Planning work hours, extra work time, vacation money, and pay for unused vacation days 7. Planning equal treatment for all genders 8. Planning rules for workers who have second jobs or teaching jobs 9. Planning fun events and activities for workers 10. Planning rules for workers traveling to Mainland China 11. Planning worker performance reviews and rewards or punishments 12. Planning worker pay and money benefits 13. Planning retirement money and helper funds for families of workers 14. Planning programs that support workers when they need help 15. Planning other tasks
 Civil service ethics Office	Handling matters related to Sunshine Acts, safety maintenance, and helping the bureau actively carry out open and transparent government actions.
 Accounting and Statistics Office	Responsible for the annual plan, accounting, and statistics of the Bureau.



● Budget scale

As a public agency, the CTSP Bureau is funded by the Treasury Fund in addition to self-financing. The budget includes the funds for conducting official business of the CTSP Bureau, and the Park operating fund.

In 2024 and 2025, the final accounts of official revenue were NT\$15 million, and the final accounts of official revenue were NT\$486 million (including NT\$184 million in personnel expenses) and NT\$5.12 million (including NT\$193 million in personnel expenses) respectively; In 2024 and 2025 (excluding CTSP Experimental Middle School), the final accounts of operating fund income were NT\$4.503 billion and NT\$4.86 billion respectively, the final accounts of costs and expenses were NT\$4.637 billion (including NT\$123 million in employment expenses) and NT\$5.277 billion (including NT\$127 million in employment expenses), and the final accounts of fixed assets construction improvement and expansion plans were NT\$3.999 billion and NT\$22.007 billion respectively. In addition, the business tax paid totaled NT\$50 million and NT\$43 million respectively.



Annual final accounts
(including personnel expenses final
accounts, Note 1)

NT\$ 512million (NT\$193 million)



Final accounts of total
business income

NT\$4.86 billion



Total business cost
final accounts

NT\$5.277 billion



Final accounts of fixed assets construction
improvement and expansion plan

NT\$22.007 billion

Budget scale of CTSP Bureau in 2025

(excluding CTSP Experimental Middle School)

Item	Amount
Annual final accounts (including personnel expenses final accounts, Note 1)	NT\$512 million(NT\$193 million)
Final accounts of total business income	NT\$4.86 billion
Total business cost final accounts	NT\$5.277 billion
Final accounts of fixed assets construction improvement and expansion plan	NT\$22.007 billion

Note :

- ① Personnel costs include the treatment of statutory staff, contract employees, technicians and workers, bonuses, other allowances, overtime duty fees, retirement savings and insurance.
- ② All budgets and final accounts are open and transparent and announced in CTSP Bureau official website, and readers can check online by themselves.



**CTSP Bureau's Budget, Final Accounts
and Monthly Accounting Report**



● Staff establishment

In 2025, CTSP Bureau had a total of 141 employees, with the Director-General appointed by the Executive Yuan to take charge of the overall affairs, two deputy Director-Generals and one chief secretary appointed by NSTC, and 38 people in management positions, including 123 employees, 6 hired employees, 6 contract employees, 6 working-level personnel, and all colleagues are residents in Taiwan.



The Bureau encourages the employment of employees with physical and mental disabilities and promotes measures to create a caring and friendly workplace. In 2025, there were 4 employees with physical and mental disabilities (One of these individuals has a severe disability, and under the rules, each person hired with a severe disability counts as two people). with an employment rate of 3.55%, which is in line with the norms of the Law on the Protection of the Rights and Interests of People with Physical and Mental Disabilities.

Personnel Profile of CTSP Bureau in 2025						
Category	 Female			 Male		
Age	Under 29	30-49	Above 50	Under 29	30-49	Above 50
 Supervisor	0	3	13	0	3	19
 Non-supervisor	0	33	13	0	32	7
 Employee	0	2	2	0	0	2
 Contract employee	1	2	3	0	0	0
 Working-level personnel	0	0	3	0	1	2
Total	75			66		

Note :

- ❶ There were no part-time employees in 2025.
- ❷ The laborers dispatched by the labor service do not employ children to engage in heavy and dangerous work.
- ❸ Working-level personnel : 2 workers, 3 technicians and 1 driver.





● New entry and departure

All employees have the status of public servants and are protected by the Law on the Protection of Public Servants and the Law on the Employment of Public Servants. The reasons for leaving their posts are retirement, promotion, or job change. If the directors and executives of various units take time off or change jobs, retire or leave their posts, they will be handled in accordance with the provisions of the Notes for Job Agents of various offices. Contracted employees are employed once a year, so the minimum notice period of the Labor-based Law is not applicable.

CTSP Bureau employs (hires) employees in accordance with the relevant laws and regulations on the appointment of public servants and the labor standards law, and no child workers (aged 15 and under 16) are employed; No child labor was employed by the outsourced workers who provided labor services, and no child labor was employed by CTSP Bureau in 2025.

Proportion of New Employees to Departed Employees in 2025						
Category	 Female			 Male		
Age	Under 29	30-49	Above 50	Under 29	30-49	Above 50
 New employee	0	4	1	0	5	2
Total proportion	0.00%	2.84%	0.71%	0.00%	3.55%	1.42%
 Departed employee	0	3	1	0	6	1
Total proportion	0.00%	2.13%	0.71%	0.00%	4.26%	0.71%

Note :

- ① No part-time employees in 2025.
- ② The laborers dispatched by the labor service do not employ children to engage in heavy and dangerous work.
- ③ The statistics of new employees and departing employees include working-level employees.



Promote the Decision-making, Implementation and Supervision process of T-SDGs

The Central Taiwan Science Park (CTSP) Bureau works hard to keep the park running in a way that protects the environment, and has already published six sustainability reports. In 2024, the Bureau made its first VDR report. In 2025, the Bureau improved this work by organizing all its achievements from 2024 to 2025 into a clear system, showing exactly how the park helps reach T-SDGs.

The Environmental Safety Division serves as the main coordinator for this report. Under the support and authorization of the highest decision-making level — including the Director-General, two Deputy Directors-General, and the Chief Secretary — this division works with the sustainability editing team to plan the yearly VDR creation process and execution method. It clearly explains the rules for sharing tasks and the main points for collecting information to each unit, systematically connecting the specific goals of the T-SDGs to the park's daily operations and key yearly plans, which makes policies and real actions match. In the future, the CTSP Bureau will continue to use the regular creation of the VDR as an important tool for management improvement and strategy checks, regularly tracking outside changes and the completion of self-set targets, changing actions at the right times, and continuously improving policy results and overall management success.



Major Core Goals and Promotion Results

vision : Innovation Orientation

- Core Goals 4 and 8
- Core Goals 17

vision : Sustainable Park

- Core Goals 6 and 12
- Core Goals 13

vision : Inclusive Co-prosperity

- Core Goals 8
- Core Goals 11





Major Core Goals and Promotion Results

Vision : Innovation Orientation

Main axis of governance :

Encourage high-tech industries to reach new heights, build an innovation and entrepreneurship base, develop the industrial clustering effect

Core Goals 4 and 8



Ensure comprehensive, fair and high quality education and advocate lifelong learning



Promote inclusive and sustainable economic growth, enhance labor productivity, and ensure that all people enjoy quality employment opportunities

Corresponding to specific goals

4.4

Enhance the skills of young people to acquire information and communication technology (ICT), and increase the technical and vocational skills of young people to acquire related jobs.

8.6

Implement the integration of learning and application and training measures to strengthen the employability of young people.

Core goal approach (2024-2025 performance)

- In 2024, there were 12 modular courses and enterprise internship courses, and in 2025, there were 12 courses.
- Science and technology manpower training in the park (professional and technical personnel training program) has offered 252 hours of courses in 2024 and 300 hours of courses in 2025.

Customized tracking indicators (customized short, medium and long-term goals)

Short-term goals (2026~2027)

- In 2026-2027, at least 20 module courses and enterprise internship courses will be subsidized (Science Park Talent Cultivation Subsidy Scheme)
- From 2026 to 2027, at least 300 hours of courses will be offered in the park's scientific and technological manpower training (professional and technical personnel training program).

Medium and long-term goals (2030)

- Shorten the gap in the study and employment of talents in the science and technology industry.
- Improve the professional knowledge and skills of employees of CTSP manufacturers.
- Industry and academic cooperation training course subsidy (Science Park Talent Training Grant Scheme) has at least 10 module courses and enterprise internship courses every year, so as to shorten the gap between talents in science and technology.
- Science and technology manpower training in the park (professional and technical personnel training program) offers at least 250 hours of courses every year to improve the professional knowledge and skills of CTSP factory employees.

Unit

Industry University R&D section





Corresponding to specific goals	
8.2	Improve the added value of industries and promote the high-value development of industries such as Internet of Things and digital economy
Core goal approach (2024-2025 performance)	
- There were 11 cases in 2024, and 19 cases in 2025, respectively, to promote the cooperation between industry and academia (application of emerging technologies in science parks, accelerated industrial intelligence upgrading and digital optimization, and cross-domain promotion of CTSP precision health industry). - Mentored innovation teams : 30 teams in 2024, establishing more than 13 new companies; 32 teams in 2025, establishing more than 6 new companies.	
Customized tracking indicators (customized short, medium and long-term goals)	
Short-term goals (2026~2027)	
- In 2026, there are 10 subsidies for promoting the cooperation project between industry and academia (emerging technology application project in science park, accelerated industrial intelligence upgrade and digital optimization project and cross-domain promotion project of CTSP precision health industry). - From 2026 to 2027, there will be more than 80 coaching innovation teams.	
Medium and long-term goals (2030)	
- Assist the park manufacturers to develop innovative technologies and enhance the national industrial competitiveness. - We will promote at least 10 subsidies for the Industry-University Cooperation Program every year to help the park manufacturers develop innovative technologies and enhance the national industrial competitiveness. - The Innovation and Entrepreneurship Incentive Plan counsels at least 30 innovation teams every year, and establishes more than 4 start-up companies to create a high-quality entrepreneurial environment and build an ecological chain of start-up industries.	
Unit	
Industry University R&D section	



Challenges / opportunities faced

Facing the deepening of global AI applications and the competition for critical semiconductor technologies, the Central Taiwan Science Park (CTSP) has benefited from the demand for high-end chips and smart manufacturing, driving employment numbers to a record high and demonstrating that the high-tech cluster in the central region has become an important engine for Taiwan's industrial upgrading. However, the high concentration of revenue and employment structure in the integrated circuit and optoelectronics industries also exposes the park to structural risks such as international supply chain restructuring, technology controls, and economic cycle fluctuations.

Combined with the high land utilization rate of the park, a declining birthrate, a shortage of high-end technical talent, and the simultaneous rise in demand for energy conservation, carbon reduction, and smart manufacturing under the net-zero transition, CTSP must seize opportunities in emerging technologies and the precision health industry. Through park expansion development, industry-academia collaboration, and startup cultivation, the park will strengthen industrial diversification and supply chain resilience, implementing the development strategy of "Innovation-Driven, Sustainable Co-prosperity."





Specific actions and promotion highlights

Promote high-tech investment and local employment

Other core targets involved

Core Goals 11

Stakeholders involved :

Employees, Park Enterprises, Government Agencies



Implementation content and promotion results

1 Overview of development

With semiconductors at its core, the Central Taiwan Science Park combines optoelectronics, precision machinery, and biotechnology to form a high-tech cluster in Central Taiwan. In 2025, the park brought in 20 high-tech companies. This included 2 integrated circuit companies, 6 precision machinery companies, 4 biotechnology companies, 1 computer peripheral company, 2 other science businesses, and 5 park enterprises.

The new investment amount was NT\$4.33 billion. Combined with NT\$107.38 billion from capital increases, the total investment reached NT\$111.71 billion. As of 2025, the park has brought in 246 domestic and international high-tech companies (including 42 foreign companies), with a planned investment of over NT\$2.51 trillion. This shows that the park's investment environment and research power continue to win praise from companies at home and abroad.



Attracted in 2025

20 Companies



Total Investment
and Capital Increases

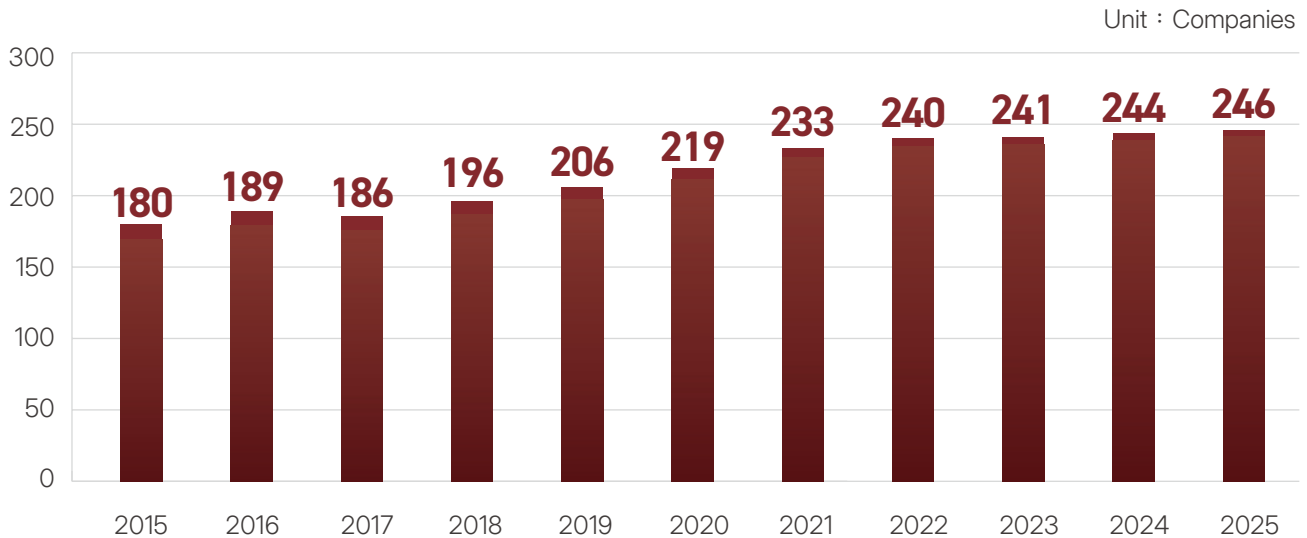
NT\$111.71 Billion



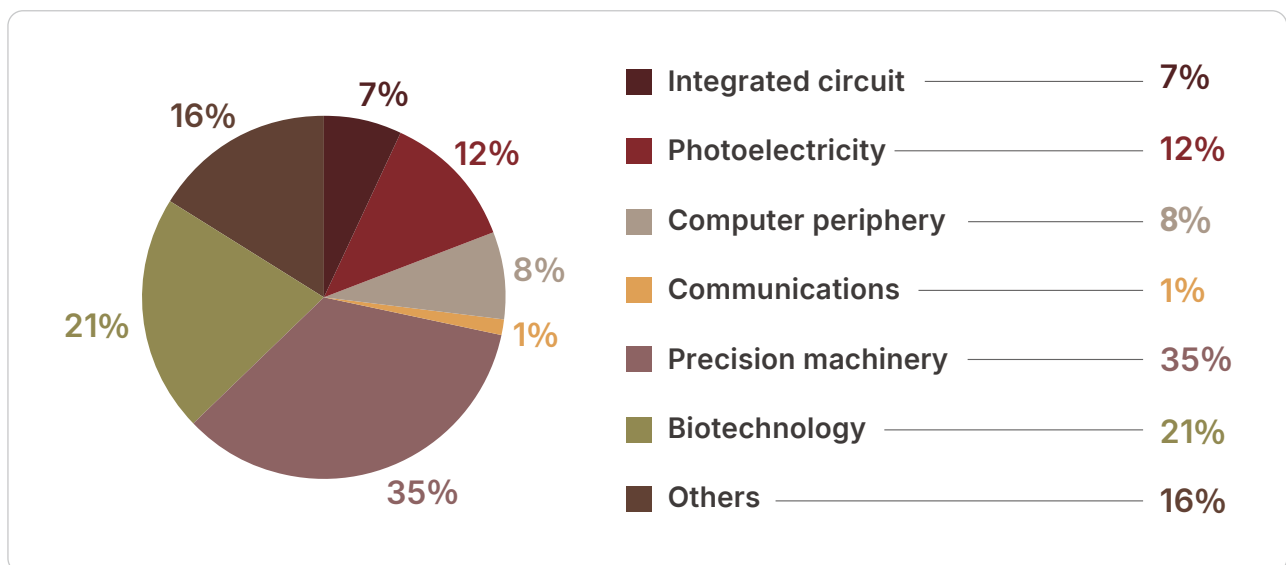
Companies in Total

246 Companies

Number of Approved Companies Admitted Over the Years



Industry Breakdown of Approved Companies in 2025



Vendor Query Webpage



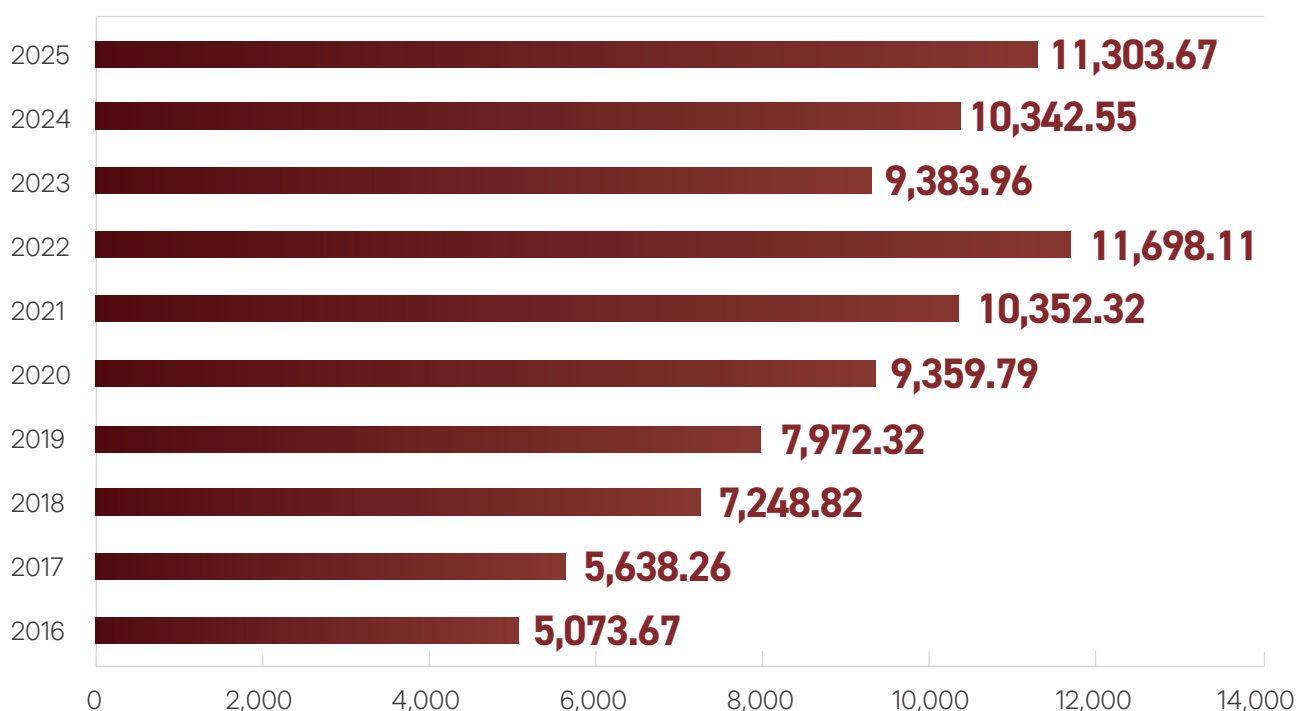


Driven by strong demand for AI applications, the park's revenue reached NT\$1,130.37 billion in 2025, marking the second-highest record for the same period and representing a growth of NT\$96.11 billion or 9.29% compared to 2024.

An analysis of the park's main industries shows that integrated circuits benefited from strong AI demand, high-performance computing, and smart devices, pushing revenue up by 11.47%. The optoelectronics industry faced weaker display panel market demand and falling prices, causing revenue to decline slightly by 6.78%. The precision machinery industry saw increased equipment demand as major semiconductor companies expanded factories for advanced manufacturing; however, due to tariff policy uncertainties, revenue growth was limited to 2.18%. The computer and peripheral industry benefited from rising demand for fingerprint modules and high-end fiberglass yarn, resulting in a significant revenue growth of 22.79%. The biotechnology industry gained from rising demand for new drugs, better marketing strategies in the US and Japan, and a higher global market share, causing revenue to surge by 34.52%. This shows that while the park is strengthening its advantage in semiconductors, it is also actively developing high-value industries like precision health, biomedicine, and precision machinery for long-term sustainable growth.

Revenue Over the Past 10 Years

Unit : NT\$ 100 Million



Comparison of Turnover by Industry (2024–2025)

Industry category	2024		2025		Growth rate (%)
	Turnover	Proportion	Turnover	Proportion	
 Integrated circuit	8,450.65	81.71	9,419.60	83.34	11.47
 Photoelectricity	1,299.92	12.57	1,211.73	10.72	-6.78
 Precision machinery	317.72	3.07	324.65	2.87	2.18
 Biotechnology	120.47	1.16	162.06	1.43	34.52
 Computer periphery	103.35	1.00	126.90	1.12	22.79
 Communications	5.73	0.06	5.56	0.05	-2.95
Others	44.71	0.43	53.17	0.47	18.92
Total	10,342.55	100.00	11,303.67	100.00	9.29

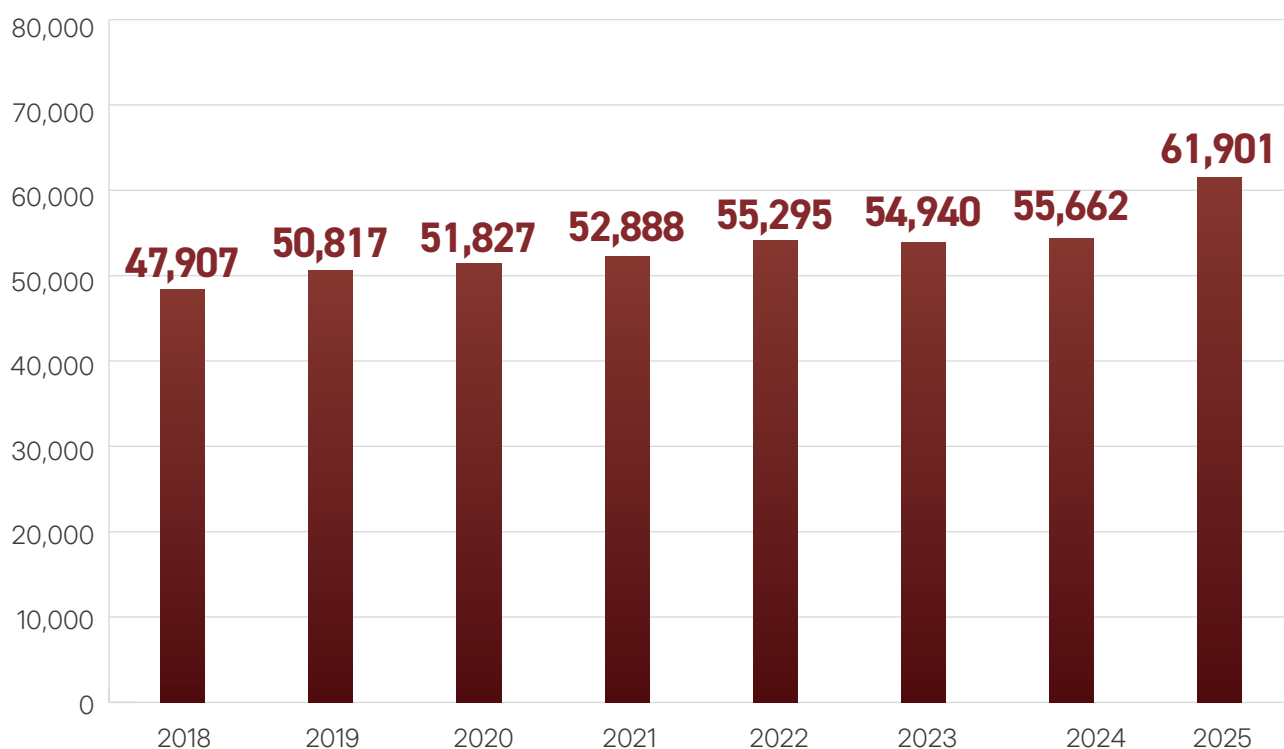


2 Employment growth

To promote hiring for park companies and employment for the public, the Central Taiwan Science Park Bureau continues to cooperate with local governments and related agencies to hold multiple recruitment events. Director-General Hsu Maw-Shin pointed out that the park offers an excellent investment environment, provides high-efficiency single-window administrative services, and drives various industry-academia cooperation projects. This encourages companies to invest in research and innovation and train top technical talent, thereby boosting overall industrial competitiveness and perfecting a diverse industry layout.

In terms of overall employment performance, the park's workforce grew from 55,662 people in 2024 to 61,901 people in 2025, an annual increase of 11.21%. Looking at the industry structure, the semiconductor industry ranks first at 53.03%, followed by the optoelectronics industry at 23.77%. For educational backgrounds, individuals with a college degree or higher account for 68.12% of the workforce. The gender breakdown is 65.64% male and 34.36% female. This shows that the park's workforce structure consists mainly of highly educated technical talent and displays a trend of steady growth.

Employment Statistics



③ Central Taiwan Science Park Teams Up with Local Governments to Build Comprehensive Employment Services

To effectively match employers with qualified talent, the Central Taiwan Science Park Bureau is driving comprehensive employment services and industry-university links :

Central Taiwan Science Park Teams Up with Local Governments to Build Comprehensive Employment Services	
 "Rich City Taichung" Joint Recruitment Event	The Bureau teamed up with the Taichung City Government to hold the "Rich City Taichung" successful employment event, providing over 1,000 job openings with a matching rate as high as 70%. The event also innovatively introduced digital services such as XR reality connection, electronic resumes, and career aptitude diagnostics, improving the overall job-search experience.
 Deepening Industry-Academia Links and Campus Talent & Career Matchmaking	The Bureau held talent matchmaking events at National Formosa University, National Yunlin University of Science and Technology, and National Chung Hsing University. Using a campus recruitment-fair format, the events encouraged direct dialogue between students and companies, with each session offering nearly 450 job opportunities. Additionally, the Bureau provided R&D internships for master's and doctoral students as well as graduate student scholarships, helping businesses build a stable talent pipeline in advance.
 Caring for Diverse Groups	The employment services cover dedicated employment services for people with disabilities, along with a massage service area for visually impaired practitioners. Additionally, a "Legal Awareness Zone" was set up to explain labor laws and policies, providing more job opportunities and consultations.



Central Taiwan Science Park Teams Up with Local Governments to Build Comprehensive Employment Services



Taichung Science Park Phase II Expansion Project

Taking one year to complete the land acquisition process, the land was officially handed over in June 2025. This expansion project plans to attract upstream, midstream, and downstream semiconductor companies, and lower parts of the semiconductor supply chain. Once the development is complete, it is expected to generate NT\$500 billion in annual output value and provide 4,500 job opportunities. This holds high strategic value for maintaining Taiwan's leading position in the semiconductor industry and driving regional growth.



Industry-Academia Matchmaking

The Central Taiwan Science Park Bureau held industry-school matchmaking events for consecutive years from 2024 to 2025. These events focused on AI applications and smart manufacturing trends, building a highly efficient platform for dialogue between universities in Central Taiwan and park businesses. Through cross-disciplinary technology exchanges and practical experience sharing, the events demonstrated the Bureau's determination to advance digital transformation.



Electronic
Resume Services



Group Photo at National
Formosa University Talent
Matchmaking Event

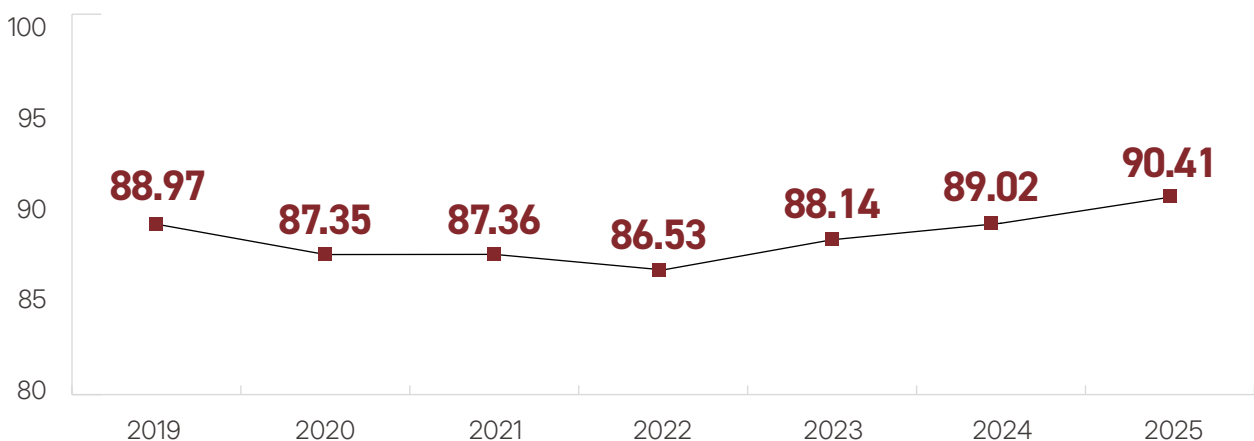


Group Photo at National
Chung Hsing University Talent
Matchmaking Event

4 Service Satisfaction Reaches New High

To improve the park's overall service quality, the National Science and Technology Council hires professional organizations every year to survey company satisfaction. The survey assesses six major areas : "park's public image," "park development resources," "park service quality," "overall satisfaction," "complaint handling," and "loyalty and trust." The results serve as an important reference for park bureaus seeking to improve service quality. In 2025, the Central Taiwan Science Park's "overall satisfaction" reached 90.41 points, the highest among Taiwan's three major science parks. This is a 1.39-point increase from the 2024 score of 89.02 points, demonstrating strong corporate recognition of the park's service quality and administrative efficiency.

Overall Company Satisfaction at Central Taiwan Science Park Over the Past Seven Years



Additionally, the Central Taiwan Science Park Bureau continues to listen to company feedback through proactive visits and seminars. In 2025, the Bureau provided on-site services to 3 companies and organized 2 company seminars in both 2024 and 2025. These events allowed for face-to-face exchanges regarding park development needs and real-world issues, helping coordinate solutions and remove operational barriers. As a result, the park's overall satisfaction has ranked first among the three major science parks for seven consecutive years.



Scene of the Vendor Seminar



Strengthening Professional Talent Cultivation and Development

Other core targets involved

Core Goals 1 and 4

Stakeholders involved :

Park Enterprises, Academic Research Institutes

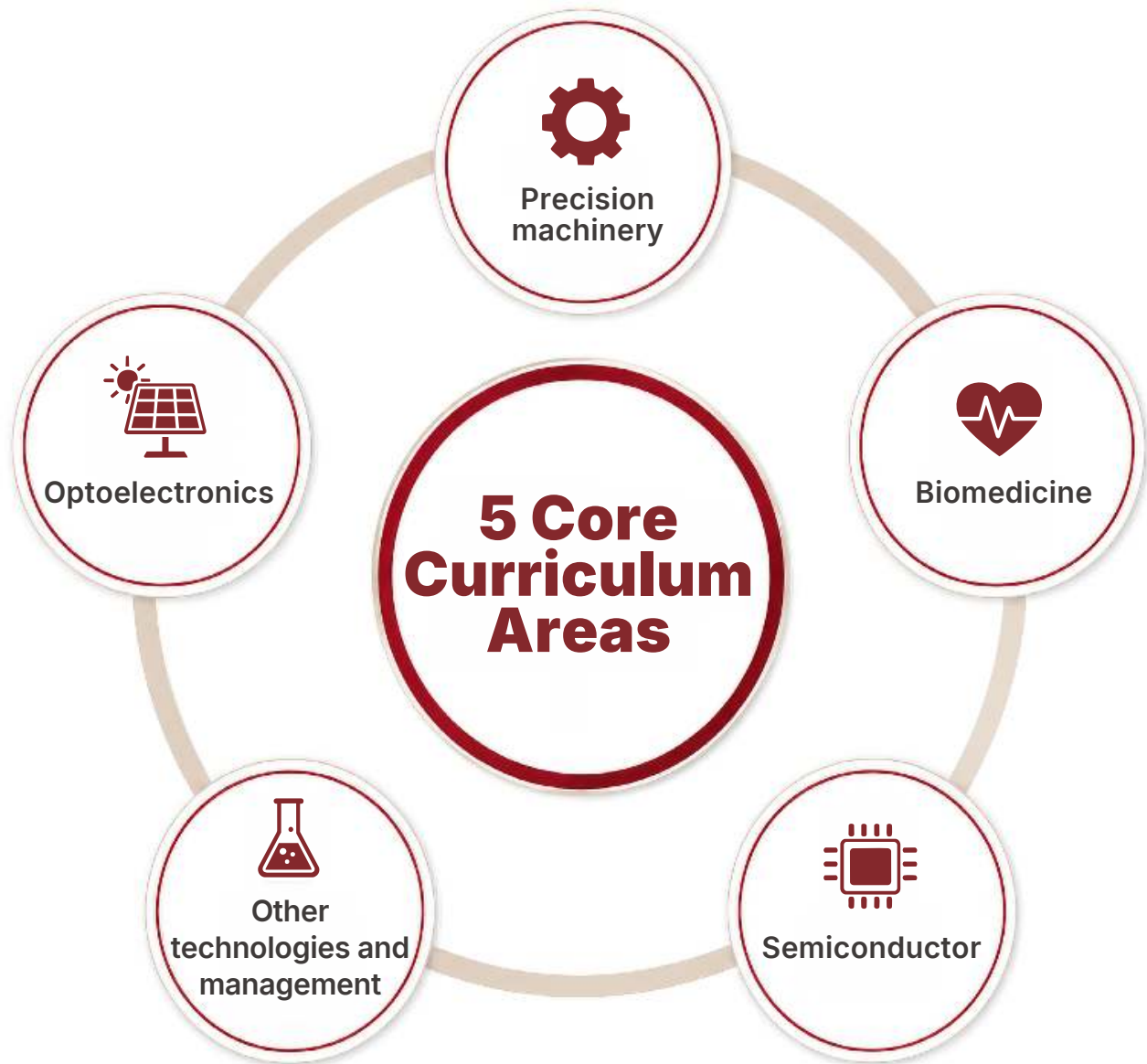


Implementation content and promotion results

1 Professional and Technical Talent Training

To meet park companies' needs for recruiting and training technical talent, as well as to boost technological competitiveness, the Bureau launched the Professional and Technical Talent Training Program. National Chung Hsing University was commissioned to design open courses for the park, covering five major categories : "optoelectronics, precision machinery, semiconductor technology, biomedicine, and other technologies and business management."

These courses integrate digital learning and focus on key trends like smart manufacturing, cybersecurity management, and ESG. The program serves employees of Central Taiwan Science Park companies and team members from the National Science and Technology Council's "From Innovation to Startups" program, with the Bureau providing 100% tuition subsidies.





In 2024 and 2025, the Bureau implemented the "Professional and Technical Talent Training Program," offering 102 training courses across the 5 major categories. These courses totaled 552 hours of instruction and trained a combined total of 1,970 participants.

Central Taiwan Science Park Professional and Technical Talent Training Program		
Year / Course Category	2024	2025
 Optoelectronics	Number of Courses Offered : 7	Number of Courses Offered : 7
	Number of Participants : 130	Number of Participants : 123
 Semiconductor	Number of Courses Offered : 5	Number of Courses Offered : 8
	Number of Participants : 83	Number of Participants : 151
 Precision machinery	Number of Courses Offered : 8	Number of Courses Offered : 10
	Number of Participants : 185	Number of Participants : 150
 Biomedicine	Number of Courses Offered : 5	Number of Courses Offered : 8
	Number of Participants : 108	Number of Participants : 180
 Other technologies and management	Number of Courses Offered : 17	Number of Courses Offered : 27
	Number of Participants : 386	Number of Participants : 474



Corporate In-House Training



Online Courses

2 Science Park Talent Cultivation Subsidy Program

To tackle the challenges of a declining birthrate and industry labor shortages, securing talent has become a top priority for sustainable industry development. The Bureau continues to promote the Science Park Talent Cultivation Subsidy Program, which covers professional fields such as next-generation semiconductors, optoelectronics, smart machinery, information and communications technology, precision health, factory management, and logistics/customs trade. The program is carried out through two main approaches : modular courses and corporate internships. In 2024, a total of 12 modular courses and corporate internship plans were approved, with a total subsidy amount of NT\$7.575 million. In 2025, another 12 projects plans were approved, with the total subsidy reaching NT\$8 million.

Between 2024 and 2025, a combined total of approximately NT\$15.575 million was invested to subsidize 24 project plans. By the end of 2025, the program had successfully trained a cumulative total of roughly 1,150 participants, effectively reinforcing the talent supply capacity for the science park.



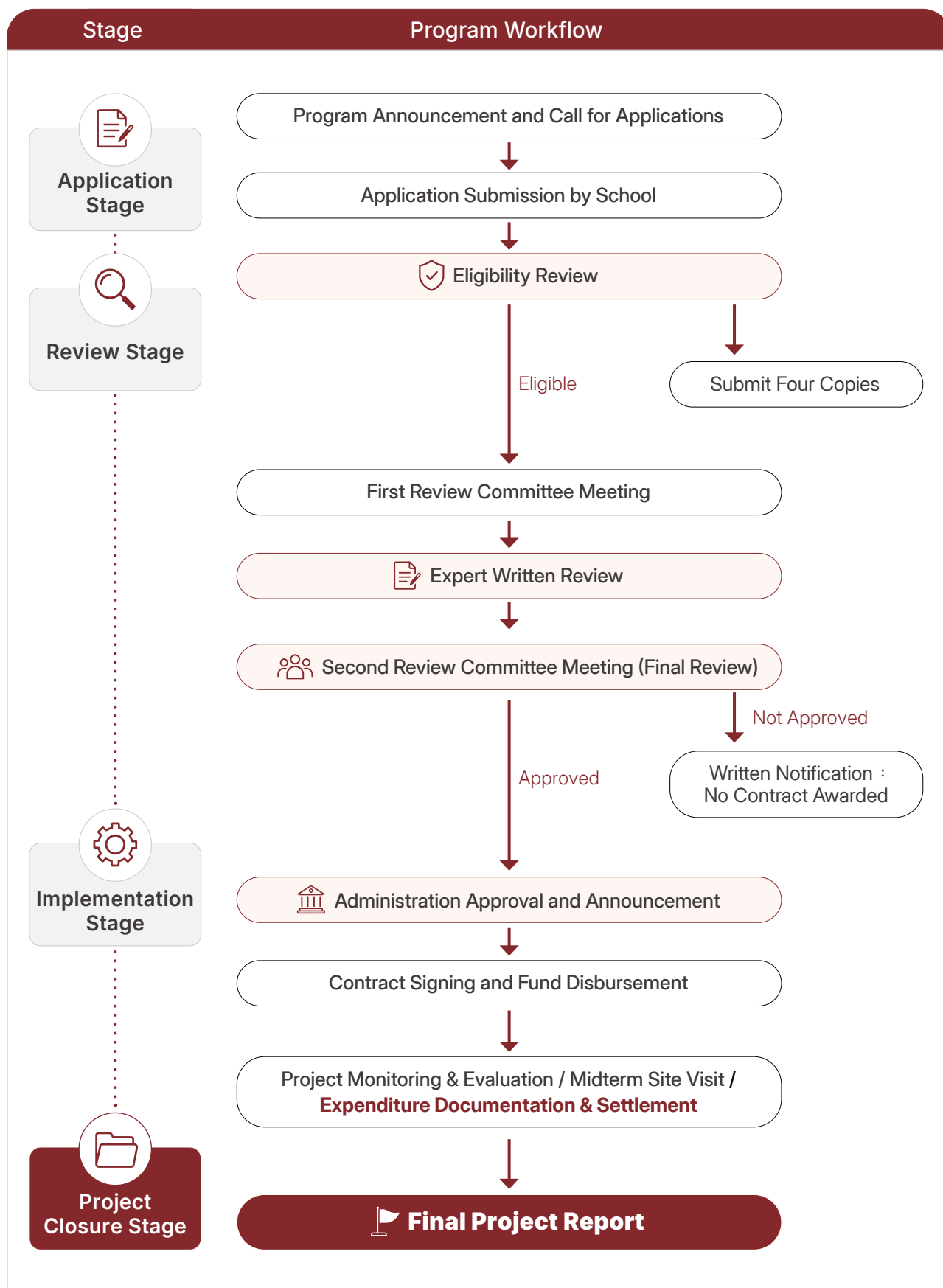
Results of the Joint Industry-Government-Academia Cooperation Program



Jointly executed by National Chin-Yi University of Technology and Top Gear Tools



Jointly executed by National Chung Hsing University and AWEA Mechantronic : "AI and Cybersecurity Industry Talent Cultivation Modular Course"



Promoting the High-Value Development of Industrial Technologies

Other core targets involved

Core Goals 17

Stakeholders involved :
Park Enterprises



Implementation content and promotion results

1 Deep Integration of Intelligent Transformation and Net-Zero Carbon Emissions

To promote high-value industrial growth, the Central Taiwan Science Park builds on central Taiwan's precision machinery cluster advance to continuously projects that accelerate intelligent industrial upgrades and digital optimization. Through a consultation group of experts from industry, academia, and research institutions, the Bureau assists companies in implementing cutting-edge technologies like AIoT, 5G, big data analytics, and robotics. This has not only significantly boosted production efficiency but has also relieved the operational pressure caused by industry labor shortages. At the same time, in response to global net-zero trends, this project places special emphasis on applying energy-saving, carbon-reduction, and resource-recycling technologies.

Between 2024 and 2025, it **successfully approved 6 joint industry-academia-research development projects**, providing total subsidies of NT\$19.139 million, effectively driving dual-track growth in both digital and net-zero transformations.

Furthermore, focusing on the critical field of "precision health," the Central Taiwan Science Park promotes cross-domain cooperation among industry, academia, research institutions, and medical centers to build a clinical validation mechanism. From 2024 to 2025, 13 R&D and marketing promotion plans were approved, with total subsidies reaching NT\$29.39 million. The scope covers precision prevention, diagnosis, treatment, and care, striving to establish Taiwan as an international hub for biomedical innovation and development.



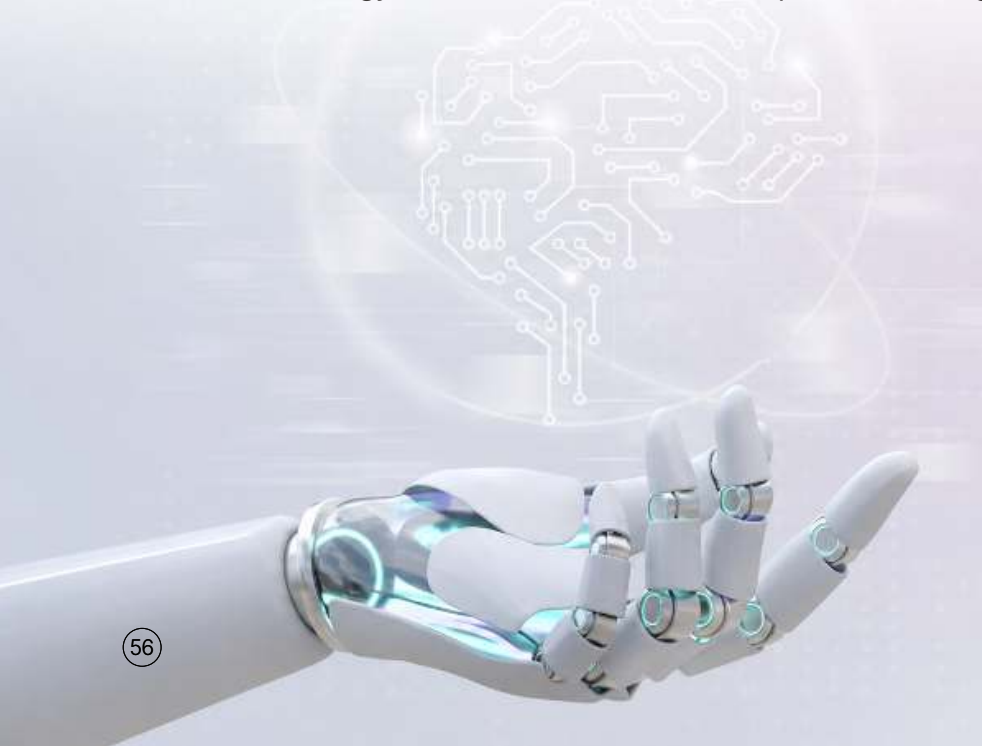
Experts and Scholars Share the Applications and Future Development of Smart Manufacturing



2 Emerging technology application plans and innovative products

To encourage science park companies to align with other industries or academia to jointly conduct research and development for emerging technologies, the Bureau promotes the Science Park Emerging Technology Application Program. This program aims to drive R&D in emerging technologies, strengthen supply chain integration, cultivate innovative technical talent, and foster industrial innovation, transformation, and sustainable development.

Between 2024 and 2025, the program received 23 applications and approved 16 joint industry-academia-research development projects, providing total subsidies of NT\$45.986 million. By combining forces with different industries and academic institutions, the program channels innovative energy into the collaborative development of emerging technologies.



3 Innovation and Entrepreneurship Incentive Plan

In line with the National Science and Technology Council's "From IP to IPO" (FITI) program goals—bridging the gap between "innovation" and "entrepreneurship" while driving the innovative economy and technological transformation — the Bureau actively coaches and trains startup teams to participate in the FITI program. Each cohort operates on a six-month cycle, connecting teams with domestic and international entrepreneurial coaching resources to guide them through the training. In 2024, the Bureau supported 5 startup teams that went on to win the Entrepreneurial Potential Award, including SafeSwim, Allicorn, Nature Honey Snacks Ltd, Reissender TECH, and He-Zhun Pharmaceuticals.

Additionally, the Acer Corporate Succession Award was won by the NTU Smart Water Quality Testing Team, while the Entrepreneurial Excellence Award was presented to the Zen-Hern-Mei team. These achievements demonstrate the immense entrepreneurial potential and hard work of the teams, while highlighting the Bureau's successful track record in mentoring and guiding startups along their journey.

In 2025, the Bureau successfully **coached 4 startup teams to win the Entrepreneurial Potential Award**, including Magnesium Savior, Phallow Nature, Unter Aqua, and Brainmate. The Acer Corporate Succession Award was won by iFlow Lab and U-Hu Bio., while the Innovation Pilot Award was presented to the AI-Wan-Sui team. These achievements demonstrate the immense entrepreneurial potential and hard work of the teams, while highlighting the Bureau's successful track record in mentoring and guiding startups along their journey.

In terms of resource introduction and achievement transformation, multiple teams successfully secured government program subsidies, including Lock Future and Fuyu Biomedical receiving subsidies from the National Science and Technology Council's Research-Based Startup Sprout Program, Weiyuan Technology gaining support from the Ministry of Economic Affairs' A+ Industrial Innovation R&D Program, and Taiwan Carbon Shuttle and Hao-Zhun Technology also receiving startup empowerment and transformation coaching funds; additionally, iStone and Magnesium Savior respectively obtained subsidies from the Research Achievement Transformation Program, demonstrating that coaching effectiveness has concretely transformed into capital injection and technology implementation.



Central Taiwan Science Park Startup Teams' Dreams Take Flight :
Repeatedly Achieving Great Success in the FITI Competition



Additionally, the Bureau has established a startup coaching platform and introduced a precise mentor guidance mechanism, assisting startup companies each year in overcoming key challenges such as market expansion, fundraising, and international alignment within a short period. Furthermore, in 2024 and 2025, three companies—Taiwan Carbon Shuttle Technology, OLPROHEAL BIOMMIC Co., Ltd., and Foremostar Technology Co., Ltd. — wererespectively selected to visit Thailand and Singapore for industry matchmaking, successfully expanding into overseas markets and progressively realizing the comprehensive coaching objective from startup incubation to industry alignment.

4 Innovation Carnival

To assist startup teams in accelerating their path to entrepreneurial success, the Central Taiwan Science Park Bureau organizes the CTSP Startup Innovation Carnival. Featuring entrepreneurial trend sharing, startup mentoring, and roadshows as its core focus, the event sets up product and technology exhibition booths for startup teams to facilitate networking and matchmaking.

With the theme "Accelerator × Innovative Academia-Research," the event links accelerator resource integration with crowdfunding momentum, deepening collaborative ties between startup teams and academic-research institutions while jointly showcasing the latest scientific research achievements and innovative technologies. At the same time, potential campus startup teams are invited to participate in pitch competitions to enhance their presentation skills and market communication abilities.

Since the inception of startup support efforts, the program has successfully facilitated the growth of 10 incubated startups into registered science park tenants, while another 3 companies have successfully registered on Board for Startup and Acceleration, demonstrating concrete results in startup cultivation.



2025 Central Taiwan Science Park Startup
Innovation Carnival



CTSP-coached team "iFlow Lab" wins the
Acer Corporate Succession Award



5 Startups Linking the Future

To promote cross-domain innovation within the industry chain, the Central Taiwan Science Park Bureau held the "CTSP × Arizona International Cooperation and Exchange Forum" on September 8, 2025, bridging the gap for Taiwan-US industrial dialogue. This event not only coached 5 startup teams to engage in technology matchmaking with the Arizona Commerce Authority and industry-academia representatives, helping local startups secure international exposure and cross-border investment opportunities, but also demonstrated the park's long-term commitment to nurturing startup ventures.

At the same time, the Bureau successfully facilitated the signing of Letters of Intent (LOI) for exchange and cooperation between Chaoyang University of Technology, National Chi Nan University, and the University of Arizona. Through this international alliance in higher education, the initiative cultivates a talent pool of semiconductor professionals with a global perspective, fulfilling the SDGs visions of "Quality Education" and "Partnerships for the Goals."



Sandra Watson, President and CEO of the Arizona Commerce Authority, Leads Delegation Visit



All distinguished guests attending the CTSP × Arizona International Cooperation and Exchange



Intensive planning

In the future, the Central Taiwan Science Park Bureau will adopt "strengthening resilience and expanding diversification" as its direction, continuously examining the structural risks and opportunities of the science park regarding industrial structure, land capacity, talent supply, and net-zero transformation. Through expansion development and improved land-use efficiency, the Bureau will guide industries to extend from the single semiconductor and optoelectronics sectors into high-value applications such as precision machinery, precision health, and smart manufacturing, thereby strengthening supply chain resilience and diversified layout. On the other hand, digital transformation and net-zero carbon emission goals will be proactively incorporated into subsidy and coaching criteria. The Bureau will establish quantitative indicators and tracking mechanisms covering investment amounts, revenue structures, employment quality, talent cultivation effectiveness, energy saving, carbon reduction, and innovation achievements, while deepening cooperation and information disclosure with local governments, academic-research institutions, and public associations, serving as a medium- to long-term action blueprint to continuously improve park governance and sustainable development.





Core Goals 17



Establish multiple partnerships and work together to promote a sustainable vision

Corresponding to specific goals

17.8

Actively participate in the discussion and negotiation of WTO trade and environment issues, strengthen mutual support between trade and environment, and promote a universal, standardized, open, non discriminatory and fair multilateral trading system.

Core goal approach (2024-2025 performance)

- Participate in exhibitions at home and abroad, assist the park industry to expand marketing, and promote business opportunities. There were 4 exhibitions in 2024 and 6 exhibitions in 2025.
- In 2024 and 2025, a total of 2,584 and 2,131 domestic and international visitors were received, respectively

Customized tracking indicators (customized short, medium and long-term goals)

Short-term goals (2026~2027)

- Expected to participate in Four domestic and international exhibitions
- It is estimated to receive 2,500 domestic and foreign visitors

Medium and long-term goals (2030)

- Participate in at least 5 exhibitions at home and abroad every year, assist the park industry to expand marketing and promote business opportunities.
- It is estimated to receive 2,500 domestic and foreign visitors.

Unit

Industry University R&D Section and Business Promotion Section



Challenges / opportunities faced

The Central Taiwan Science Park Bureau has progressively built diversified partnerships with central and local governments, academic and research institutions, science park and neighboring tenants, startups, and industrial associations, jointly promoting industry-academia-research collaboration, talent cultivation, and sustainable actions such as smart manufacturing and precision health, forming important opportunities to strengthen innovative energy and regional development, which can integrate resources, align with international net-zero and ESG trends, and amplify demonstration benefits.

Meanwhile, facing challenges such as high cross-departmental coordination costs, collaborations mostly being project-based, and lacking an overall roadmap, the future requires clearer shared visions and KPI designs to strengthen partner governance and local communication and participation, exploring collaboration opportunities and possibilities for joint development, attracting more foreign enterprises to enter the park, promoting the internationalization process of the park, and driving the development of the park.





Specific actions and promotion highlights

Strengthening Industrial Exchanges and Global Integration

Other core targets involved

Stakeholders involved :

Park Enterprises, Academic Research Institutes,
Suppliers, Media

Core Goals 4 and 8 and 11



Implementation content and promotion results

1 Building an Industry-Government-Academia-Research Collaboration Platform

The Central Taiwan Science Park Bureau actively serves as a key platform for industrial cooperation and exchange, strengthening the competitiveness of park tenants amid the AI wave, digital transformation, and net-zero trends by connecting industry, government, academia, and research resources. Between 2024 and 2025, the Bureau held a total of 4 innovative technology forums to conduct in-depth exchanges on topics such as smart manufacturing and energy saving and carbon reduction, attracting approximately 400 participants and providing one-on-one AI demand diagnostic consultations to help companies seize transformation opportunities.

At the same time, the Bureau deeply cultivated key technology research and development, organizing three smart manufacturing seminars and two precision health industry seminars covering medical innovation fundraising, technology translation, and international regulatory trends, with a total of approximately 245 academic-research and industry representatives participating, effectively linking the implementation of scientific research achievements and accelerating the connection of medical devices and intelligent technologies with the international market.



Group Photo of CTSP Director-General Hsu Maw-Shin with all the Speakers and Guests



2024 Smart Manufacturing Trends,
Development, and Applications Seminar



2025 Smart Manufacturing Trends,
Development, and Applications Seminar



2 Actively attract investment and external marketing

To continuously promote the development of Taiwan's high-tech industry, the Central Taiwan Science Park Bureau is committed to investment promotion and marketing, actively discovering potential high-tech manufacturers and encouraging them to understand the overall investment environment of CTSP. In 2024, a total of 27 investment promotion activities were held, successfully introducing 20 manufacturers to move in, and completing 12 manufacturer capital increases and 1 plant expansion case. In 2025, efforts continued, with 19 investment promotion activities held, again introducing 20 manufacturers and facilitating capital increases for 17 manufacturers. Focusing on Japanese enterprises, the Bureau specially traveled to Japan to visit the Manufacturing World Tokyo exhibition and corporate headquarters to gain a deep understanding of their investment layouts, while encouraging enterprises to strengthen their smart manufacturing and carbon reduction capabilities to enhance their competitiveness in entering the international semiconductor equipment and materials supply chain.

In addition, the Central Taiwan Science Park Bureau is committed to building a comprehensive biomedical coaching platform, assisting manufacturers in utilizing forward-looking technologies such as AI, big data, and cell therapy to break through research and development bottlenecks through the Precision Health Industry Cross-Domain Promotion Program. This has not only strengthened the cross-industry alliance capabilities of startup companies, but also successfully prompted the transformation of clinical concepts into commercial products, accelerating the formation of the precision health industry cluster in central Taiwan. To further enhance international visibility and demonstrate translational results, the Bureau actively joined hands with manufacturers to participate in various landmark exhibitions. For instance, in 2025, it teamed up with 12 highlight manufacturers at the BIO Asia-Taiwan exhibition to demonstrate capabilities in precision reproductive medicine and long-acting new drug R&D, and participated in the Taipei International Industrial Automation Exhibition under the main theme "Smart & Precision Manufacturing, Gathering Strength in CTSP" to showcase smart robotics and industrial IoT technologies. Furthermore, the Bureau has integrated program results year after year to enter the Healthcare+ Expo Taiwan, establishing a Science Park Pavilion to display the outstanding development achievements of enterprises such as Microware Precision, PharmaEssentia, and LongGood MediTech, in surgical instruments, orphan disease new drugs, and AR surgical glasses, actively positioning for international markets and seizing new business opportunities in smart biomedicine.



BIO Asia-Taiwan Exhibition 2025



Chung-Hsing Park Investment Promotion Seminar

③ International integration and exchange

To enhance industrial intelligence capabilities and international visibility, CTSP continuously participates in science park association organizations (ASPA, IASP) and international conferences and exchange activities around the world. Together with science parks from various countries, CTSP explores future development models for science parks, their impact on regional economies, innovation acceleration mechanisms, and the importance of science park linkages and cooperation, while exchanging innovative management strategies for gender equality. At the same time, under the theme "The Role of Science and Technology Parks in Promoting Corporate ESG Transformation," the focus is placed on how science parks assist enterprises in driving sustainable governance, covering topics such as carbon reduction strategies, green supply chains, and sustainable talent cultivation.



Participating organizations of CTSP Bureau at home and abroad

	Name of participating organization	Status
Domestic	CNAIC	Member
	TITA	Member
	AICSPCT	Member
Overseas	ASPA	Director
	IASP	Member
	AURP	Member



CTSP international cooperation and exchange



Asian Science Park Association (ASPA)
Board of Directors Meeting and 2024
Annual Conference



Group photo of the Taiwan delegation
attending the 28th ASPA Annual
Conference

In order to enhance international visibility, CTSP Bureau continuously links sister parks, and interacts with local governments and enterprises through foreign visits, so as to understand the international newly-created ecosystems and industrial pulse, and at the same time, it helps park manufacturers to expand their markets and increase cooperation opportunities.

According to statistics, a total of 120 delegations and 4,715 visitors visited CTSP in 2024 and 2025, successfully extending the development experience of the science park to the international community. The Central Taiwan Science Park Bureau will continue to strengthen cooperation and exchanges with all parties to promote the innovative development and upgrading of the park.

● Deeply Cultivating Global Partnerships, Co-creating Smart Industries

Nation	Visit Details
 Japan	Deputy Director-General Shih Wen-fang led multiple delegations to Japan for study tours in 2024 and 2025, successively participating in the BARRIER FREE nursing care exhibition, the INTERMOLD die and mold exhibition, and the BioJapan biotech event, precisely grasping forward-looking trends such as elderly care, smart manufacturing, regenerative medicine, and CDMO. By visiting benchmark enterprises like Daifuku and Mitsubishi Electric, as well as the Osaka Innovation Hub, the delegation deeply absorbed Japan's management culture of advanced research and development. Furthermore, by sharing cooperation experiences and market strategies, they strengthened long-term partnerships, laying a solid foundation for cross-border industrial cooperation and startup nurturing.



Nation	Visit Details
 North America	In June, 2024, Secretary-General Chiang Tseng-pin led a delegation to California, USA, to attend the BIO International Convention and conduct field visits to maker labs, startup centers, and academic and research institutions, dedicated to gathering forward-looking biomedical trends and building the science park's industrial ecosystem. Through symposiums and matchmaking interactions with approximately 40 exhibitors and 5 professional organizations, the delegation actively promoted CTSP's investment and locational advantages, strengthening cross-border connections among global industry, government, academia, and medical sectors, and successfully expanding opportunities for North American biotechnology and technology industries to invest in Taiwan.
 Thailand	In October, 2024, Director-General Hsu Maw-shin led a startup team and an investment promotion team to Thailand to conduct investment promotion and exchange activities. The itinerary spanned Bangkok and Chiang Mai, actively promoting CTSP's investment environment and industrial cluster advantages through inspecting local industrial parks and visiting the Thai-Taiwan Business Association and sister parks. This trip not only successfully matched the startup team with local industries for dialogue, but also implemented the New Southbound Policy, effectively connecting Taiwan-Thailand resources and opening up new opportunities for bilateral investment and cross-border cooperation.
 Netherlands	In October, 2024, the Central Taiwan Science Park Bureau organized a delegation to participate in the first Sustainability Expo in Amsterdam, the Netherlands, to exchange ideas on green innovation and net-zero technologies with sustainability leaders from Europe and Asia. The trip focused on utilizing AI, big data, and cloud technology to drive ESG organizational transformation, as well as examining the latest carbon reduction practices such as net-zero architecture and sustainable concrete. CTSP will draw on the Europe experience to introduce emerging sustainable technologies through its industry-government-academia-research platform, assisting park tenants in realizing net-zero strategies and achieving industrial upgrading.

Nation	Visit Details
 Austria  Germany	Deputy Director-General Shih Wen-fang led a team to Germany and Austria in September, 2025 to conduct investment promotion and exchange activities. The delegation participated in the IFA consumer electronics exhibition in Berlin, Germany, to grasp global technology trends, and visited the Frankfurt Economic Development GmbH and German and Austrian high-tech manufacturers to expand international cooperation opportunities. Furthermore, by inspecting Austria Wirtschaftsservice and its six major life science clusters, they absorbed startup coaching mechanisms and cluster promotion experiences, serving as an important reference for improving CTSP's startup nurturing and accelerating the development of the precision health industry.
 Singapore	In October, 2025, Secretary-General Chiang Tseng-pin led a team to Singapore to attend the Big Data & AI World Asia exhibition, gaining timely insights into AI technologies and industry trends in the Asia-Pacific region. The delegation conducted field visits to Singaporean institutions specializing in carbon-credit trading, ESG decarbonization, and startup incubation, ESG carbon reduction, and startup nurturing institutions, engaging in deep exchanges on innovative incubation and practical experience, while simultaneously promoting CTSP's investment environment and incubation achievements.





Photo of the CTSP delegation and GRI Senior Manager Margarita Lysenkova



CTSP visits the University of Southern California Institute for Creative Technologies (USC ICT)



CTSP Bureau visits the Vienna Business Agency (VBA)



Intensive planning

With "precision health" as the core axis of industrial development, the Bureau drives investment promotion and startup nurturing hand in hand. Through technical exchanges and industry forums, it links the capabilities of industry, government, academia, and research institutions to grasp smart technology and innovative manufacturing trends. Actively participating in international organizations and conferences such as ASPA / IASP, linking with sister parks, and organizing multi-country exhibition visits and investment

Promotion tours serve as a vital strategy for expanding cooperation, enhancing the international visibility and global linkages of the park's investment environment, industrial clusters, and startup ecosystem. Concurrently, continuous promotion of investment actions — such as attracting new tenants, capital increases, and factory expansions — demonstrates the park's clustering advantages and deepens its international connections.



Vision : Sustainable Park

Main axis of governance :

Building a sustainable management and high-quality investment environment

Core Goals 6 and 12



Ensure environmental quality and sustainable management of environmental resources



Promote green economy and ensure sustainable consumption and production mode

Corresponding to specific goals

6.3

Improve people's living hygiene, improve the water quality of rivers, strengthen the promotion of proper treatment of waste water, take the secondary treatment discharge water of public sewage plants as a new water source, improve the utilization efficiency of water resources, reduce the demand of traditional water resources development, strengthen the inspection and control of industrial waste water discharge, investigate suspected pollution sources, curb the occurrence of water pollution, optimize the water quality of rivers to protect national health and maintain the ecological system, strengthen the flow of chemical substances, and improve management efficiency.

6.4

Promote water conservation, improve water use efficiency, so that the average water consumption will no longer increase significantly, promote the water recovery rate of manufacturers in industrial areas, promote the water recovery rate of manufacturers in science parks, and promote the strengthening of multiple water sources such as water saving, reclaimed water and seawater fresh water, so that the annual fresh water consumption will no longer increase significantly.



Corresponding to specific goals	
6.e	Strengthen the recycling of business waste resources, properly handle business waste, implement the total amount control strategy of science park, and guide the park manufacturers to reduce waste production and improve recycling rate.
12.4	Reduce waste generation through green production, improve the technical capacity of waste recycling, promote the development of the resource recycling industry towards higher efficiency, and manage chemical substances and wastes in accordance with international conventions.
Core goal approach (2024-2025 performance)	
● The total amount of water pollution permit application is controlled, and the sewage from the factory in the park is 100% managed. ● 100% of the discharged water from the sewage plant meets the standard, and the water quality of surface water is regularly inspected and monitored every year. ● Conduct 3 water conservation guidance sessions annually. ● The recovery rate of process water in each park was 90.8% in 2024 and 91.3% in 2025. ● The water yield of Erlin Park was 52,662 m³ in 2024, and approximately 34,553 m³ in 2025. ● The total amount of waste permit applications was controlled, and the recycling rate of waste was 96.7%.	
Customized tracking indicators (customized short, medium and long-term goals)	
Short-term goals (2026~2027)	
● The park implements total water pollution control to achieve 100% management of factory wastewater and 100% compliance of effluent water. Combined with regular annual inspections and water quality monitoring mechanisms, a comprehensive water resource and environmental management system has been established. ● Conducting 3 sessions of water-saving guidance each year is expected to achieve an annual increase in water-saving potential of 150,000 tons and a carbon reduction of 23,400 kilograms. ● Continue to coach park manufacturers to save water and electricity. Achieve an 85% recovery rate of process water for semiconductor and optoelectronic industries in each park.	

Customized tracking indicators (customized short, medium and long-term goals)

Short-term goals (2026~2027)

- The total amount of waste permit applications will be controlled, and the recycling rate of waste will remain above 90%.
- The Erlin Park has installed a package reclaimed water treatment system. The estimated water yield is 101,105 m³ in 2026, and the estimated water yield is approximately 128,480 m³ in 2027.

Short-term goals (2026~2027)

- 100% of the discharged water from the sewage plant meets the standard, and the water quality of the ground water body is regularly inspected and monitored every year.
- The total amount of water pollution permit application shall be controlled, and the sewage from the factory in the park shall be 100% managed.
- Conducting 3 sessions of water-saving guidance each year is expected to achieve an annual increase in water-saving potential of 150,000 tons and a carbon reduction of 23,400 kilograms.
- Continue to coach park manufacturers to save water and electricity. The recovery rate of process water for semiconductor and photoelectric industries in each park is 86%.
- Other CTSP bases (Taichung and Houli) will cooperate with the planning schedule of regional reclaimed water development plans to jointly promote the utilization of water resources.
- The total amount of waste permit applications will be controlled, and the recycling rate of waste will remain above 90%.

Unit

Environ ment and Labor Affairs Division, Construction Management Division



Challenges / opportunities faced

The Central Taiwan Science Park Bureau is committed to the balanced development of the economy and the environment. By implementing environmental impact assessment controls and monitoring, it reduces the pressure on energy, water resources, and waste brought about by the expansion of operation scale, and transforms environmental governance into sustainable competitiveness. In response to the global net-zero trend, the Bureau has formulated multiple solar photovoltaic promotion strategies, including requiring renewable energy assessments at the front end of land lease and building permit reviews, setting a goal for advanced semiconductor manufacturing processes to achieve 100% green energy by 2050, and creating a resource-circulating eco-park through incentives such as volume bonuses and relaxing restrictions on power generation enterprises entering the park.

In addition, the Bureau actively cooperates with the government's "Standards for Installing Solar Photovoltaic Power Generation Equipment in Buildings" implemented starting August 2026, mandating the installation of solar photovoltaic equipment for new buildings or expansions/alterations with an area of 1,000 square meters or more, moving toward the zero-carbon transformation goal together with smart energy and low-carbon manufacturing processes.



Specific actions and promotion highlights

Environmental Protection and Pollution Prevention

Other core targets involved

Stakeholders involved :

Park Enterprises, Neighboring Communities(Non-governmental Organizations and the Public), Government Agencies, Suppliers

Core Goals 15



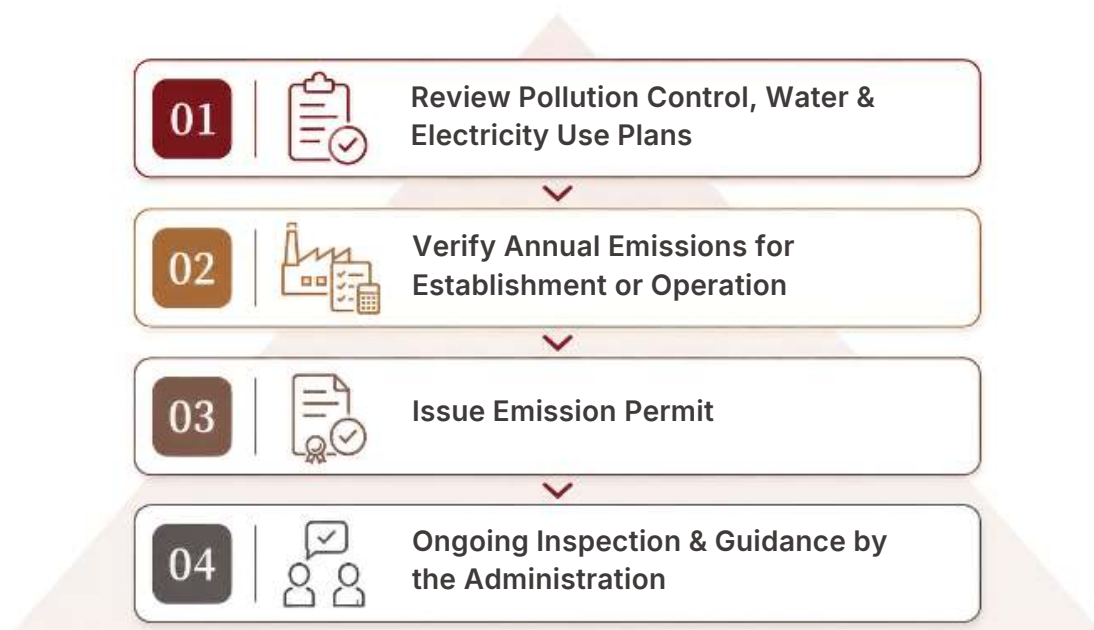
Implementation content and promotion results

1 Environmental review and audit

To safeguard the sustainable environment of the science park, the Central Taiwan Science Park Bureau utilizes total quantity control and permit reviews right at the investment application stage. It requires prospective tenants to submit individual pollution total estimates to gauge the overall impact of investment activities on the park, while ensuring compliance with environmental impact assessment documents, review conclusions, and commitments. Subsequently, on-site inspections and follow-ups are conducted to supervise tenants in implementing autonomous management, working together to maintain the environmental quality of the park.

From 2024 to 2025, a total of 103 applications and modification cases for total pollution control were received, with 101 cases approved; 376 environmental protection document applications were processed, with 352 cases approved. The unapproved cases were either returned to the manufacturers for correction or are still in the application process.

To assist park tenants in grasping environmental regulations and practical needs, CTSP continues to organize regulatory briefings, chemical audit briefings, environmental seminars, and related briefing sessions, as well as arranging for experts and scholars to provide on-site guidance at factories. Between 2024 and 2025, a total of 14 regulatory and environmental promotion activities and 40 on-site factory guidance sessions were conducted. Additionally, 2,310 environmental consultation services (excluding simple regulatory inquiries and case status checks) were provided to park tenants, helping businesses resolve issues related to process operations, environmental document writing, and regulatory compliance.



Number of Environmental Review and Permit Cases in CTSP

Item	2024	2025
Stationary Pollution Sources	52 pieces	59 pieces
Water Pollution	50 pieces	45 pieces
Waste	85 pieces	71 pieces
Waste Recycling and Reuse	10 pieces	4 pieces



Environmental Protection Document Application and Review Process

From 2024 to 2025, the CTSP Bureau conducted a total of 505 permit compliance audits to verify whether each business unit faithfully fulfilled their permit requirements. For cases found inconsistent with the permits during the audits, the Bureau issued official letters requesting the businesses to make improvements and submit relevant application documents for permit adjustments or modifications. In addition, for audits of recycling and reuse organizations, Bureau personnel were accompanied by experts and scholars from relevant fields to assist with the auditing operations, ensuring that external recycling and reuse facilities properly process waste generated by park enterprises.



Review of Waste Disposal Plans



Expert and Scholar Audits of Stationary Pollution Sources

The Bureau conducts unannounced flue gas emissions sampling and testing at park facilities during daytime or nighttime. Qualified testing institutions certified by the Ministry of Environment are commissioned to monitor whether the waste gas emitted by park tenants complies with regulatory requirements. The testing results from 2024 to 2025 were all in full compliance with relevant regulations.

Sampling and Testing Operations of Tenant Emission Stacks



The bureau sets up a toll-free environmental complaint hotline 0800-777795 to provide 24-hour service, and conducts on-site inspections and handling operations. In 2024 2025, it accepted 10 complaints from the public, including 7 complaints about air pollution, 4 complaints about noise, 1 complaint about water pollution and 1 complaint about waste. The bureau immediately handled the complaints after receiving them. All the complaints in 2022-2023 have been closed.



2 Centralized sewage treatment

In response to the strategic deployment needs of Taiwan's semiconductor industry and future overall industrial development, the CTSP Bureau launched the Taichung Park Phase II Expansion Development Project in 2022. To handle the process wastewater treatment load brought by the Phase II expansion and to enhance the flexibility and regulation capabilities of the overall wastewater treatment system, CTSP initiated the modification and expansion project of the main park's wastewater treatment plant. The construction officially broke ground in February 2023, followed by a beam-raising ceremony for the sludge treatment facility on December 24, 2024, and a membrane submerged ceremony for the MBR system on July 22, 2025.

In 2024, the CTSP Bureau designated the Taichung Science Park Wastewater Treatment Plant as a demonstration site for smart governance and introduced an AI-powered precision chemical dosing and sensing system developed by Wolong Intelligence, a startup based in the park. Through real-time data analysis and automated control, the system standardizes wastewater chemical dosing procedures. Phased deployment began in 2025, reducing human operational errors and chemical use by 20%, while cutting electricity consumption in the relevant treatment units by 30%. After the modification, the treatment capacity of the entire plant will increase from 145,000 CMD to 163,000 CMD. Concurrently, due to the adoption of Membrane Bioreactor (MBR) technology, the effluent water quality is expected to meet reclaimed-water standards, boosting water production efficiency by 40% and saving 40% in electricity consumption. This will help drive water resource recycling and reuse, reduce tap water consumption in the park, and provide at least 3.5 million tons of annual allocation flexibility for the tap-water system, achieving maximum efficiency in water resource utilization.



Beam-Raising Ceremony for the Sludge Treatment Facility



Launch Ceremony for the MBR Membrane Submersion

A dual-drainage system separating rainwater and wastewater has been established across all CTSP parks, achieving a 100% connection rate for park enterprises. Process wastewater from individual facilities must meet the park's pre-treatment standards before discharge into the public sewerage system for centralized treatment. The final effluent quality must comply with both national standards and the more stringent environmental impact assessment (EIA) criteria prior to discharge. Regarding stormwater management, in addition to public runoff collection, tenants are required to implement dedicated rainwater collection pipelines and discharge points during factory construction. This runoff is directed into storm sewers, routed through the park's detention ponds, and ultimately released into receiving water bodies. Furthermore, the Bureau conducts routine sampling and analysis of the sewerage network to monitor operational status and water quality, ensuring robust and compliant discharge management.

Sewer rainwater and sewage diversion

Inlet discharge water



All sewage treatment plants in the park use three-stage treatment systems, adopting standard biological treatment units of activated sludge, and followed by chemical coagulation and physical filtration units to improve the treated water quality and reduce impacts on the receiving water body.

The operators of Zhongxing Park are mainly research and experimental industries, and no process wastewater is generated. The laboratory wastewater from the manufacturers in the park is cleared and treated by qualified manufacturers before it's brought into the park's sewage system. Eventually, it'll be transported to the Zhongzheng Road Sewage Treatment Plant for proper treatment before being discharged.



Discharge data of sewage plants in each park in 2024					
Project / Park		Taichung	Houli Park Houli Base	Houli Park Qixin Base	Huwei Park
Discharge location		Datu River	Daan River	Daan River	Xinqizi large
Annual discharge (million liters)		28,599	7,195	2,363	378
Average daily discharge (CMD)		78,140	19,649	6,460	1,031
BOD ₅ (mg/L)	Discharge water standard	25	25	25	30
	EIA commitment value	20	10 (seven-day average)	10 (seven-day average)	20
	Average monitoring value	2.4	2.0	2.0	2.0
COD (mg/L)	Discharge water standard	80	80	80	100
	EIA commitment value	80	80	60	80
	Average monitoring value	32.4	36.8	33.5	20.9
SS (mg/L)	Discharge water standard	25	25	25	30
	EIA commitment value	20	10 (seven-day average)	10 (seven-day average)	20
	Average monitoring value	6.3	4.2	2.8	2.3

Discharge data of sewage plants in each park in 2025

Project / Park		Taichung	Houli Park Houli Base	Houli Park Qixin Base	Huwei Park
Discharge location		Datu River	Daan River	Daan River	Xinqizi large
Annual discharge (million liters)		29,179	8,702	2,358	406
Average daily discharge (CMD)		79,942	23,834	6,455	1,113
BOD ₅ (mg/L)	Discharge water standard	25	25	25	30
	EIA commitment value	20	10 (seven-day average)	10 (seven-day average)	20
	Average monitoring value	2.1	2.0	2.0	2.0
COD (mg/L)	Discharge water standard	80	80	80	100
	EIA commitment value	80	80	60	80
	Average monitoring value	31.8	37.6	33.9	22.6
SS (mg/L)	Discharge water standard	25	25	25	30
	EIA commitment value	20	10 (seven-day average)	10 (seven-day average)	20
	Average monitoring value	7.8	4.8	2.8	3.0



3 Environmental quality monitoring

The Central Taiwan Science Park Bureau conducts environmental monitoring annually in accordance with the environmental monitoring plans specified in the environmental impact assessment documents. All major monitoring items within the park comply with regulatory standards, including air quality, noise and vibration, effluent water quality, surface water quality, groundwater quality, sediment, soil, ecology, traffic volume, and cultural assets, with a total of 4,459 sampling points monitored from 2024 to 2025. All environmental monitoring results are fully transparent and published on the "CTSP Environmental Information Integration Website" for public browsing.



Air Quality - Zhongxing Park



Noise and Vibration - Zhongxing Park



Soil Quality - Erlin Park



Surface Water Quality - Zhongxing Park

In addition, in order to improve the reliability of monitoring data, the Bureau also carried out parallel monitoring in 2024-2025, including general air quality, acid and alkali gas, odor, flue detection (including night detection), water quality of civilian wells and other items, and carried out synchronous testing from time to time to ensure the quality of monitoring data. At the same time, in order to understand the night emission situation of manufacturers, it conducted six flue spot night checks in 2024-2025 together with the Environmental Protection Supervision Subcommittee (local leader). It is hoped that the impact of park operation on the environment can be truly understood through irregular testing.

Strengthening Water Resource Resilience

Other core targets involved

Core Goals 13

Stakeholders involved :
Park Enterprises



Implementation content and promotion results

1 Stabilize the water supply in the park

Manufacturers in CTSP Park use water from Taiwan Water Corporation, and the water sources in each park are different due to the scheduling of Taiwan Water Corporation, namely :

Park	Water Source (Discharge Area)
Taichung Park	Liyutan Reservoir, Shigang Dam : Shuinan Reclaimed Water
Houli Park	Liyutan Reservoir, Shigang Dam
Erlin Park	Erlin Water Supply System
Zhongxing Park	Caotun Water Supply System
Huwei Park	Joint use of the Hushan Reservoir and Jiji Barrage

Note :

It shows that all the parks in Taiwan are Low-Medium (1-2), and the strongholds of each park are not set in national or international protected areas. Taking water to apply for authorization from the government for legal use of water sources has no significant impact on water sources.



Following years of planning and promotion, the Shuinan Reclaimed Water Project officially commenced water supply operations on October 1, 2024. The initial supply scale stands at 10,000 CMD (cubic meters per day), with the potential to expand to 15,000 CMD in the future, primarily serving the CTSP Taichung Park. Moving forward, the project will continue to coordinate with other reclaimed water initiatives—including the construction of the Futian and Wuri Water Resource Recycling Centers to supply the Taichung Park Phase II Expansion Project.

Furthermore, factoring in the intensified risks of water scarcity driven by climate change, plans have been set in motion for the construction of an additional distribution reservoir and water transmission pipeline at the Taichung Park Water 1 site. This project involves building a distribution reservoir with a storage capacity of 55,000 cubic meters at the Water 1 site and laying water transmission pipelines to the Phase II expansion area. By connecting to the Central District distribution reservoir, it will provide the park with the flexibility to mutually support and allocate water resources.

The infrastructure is expected to be completed and operational by the end of 2026. Within this framework, parks such as the Taichung Expansion and Houli will continuously promote the use of reclaimed water, with supply from off-site water resource centers reaching over 125,000 CMD, alongside 20,000 CMD of on-site self-produced reclaimed water.



Simulation Diagram of the
Distribution Reservoir



Reclaimed Water Drops, Resolving
the Water Crisis "Press Conference"

2 Water-saving counseling in the park

To minimize park water consumption, alleviate water supply pressure, meet environmental impact assessment (EIA) requirements, and align with energy-saving and carbon-reduction policies, the CTSP Bureau actively invests in water and energy conservation guidance and promotion. By providing water usage diagnostics and improvement recommendations, the Bureau encourages park enterprises to adopt green factory standards, enhance manufacturing process water efficiency, and increase recycling and reuse, thereby gradually establishing diversified water sources and water resilience. Additionally, in accordance with the Regulations for the Guidance and Control of Water and Electricity in Science Parks of the National Science and Technology Council, the Bureau conducts statistics, management, and dispatch of water and electricity usage. It regularly tracks performance to guarantee a stable supply and mitigate the potential impact of water resource fluctuations on park production.

Project / Year	2023	2024	2025
 Water intake (use) (million liters)	52,141	55,793	61,837
 Water consumption (million liters)	16,456	17,185	20,983
 Water intake (use) intensity (million liters/NT\$ 100 million)	5.56	5.39	5.47

Note :

- ① The denominator of electricity consumption and water intensity is the total turnover of Central Taiwan Science Park in the current year. (The turnover in 2023 was NT\$ 938.4 billion, NT\$ 1,034.3 billion in 2024 and NT\$ 1,130.4 billion in 2025).
- ② Every kilowatt hour = 1kWh=3,600 kilojoules.
- ③ Water consumption = water intake-water discharge.
- ④ The water consumption does not include Zhongxing Park. Since the Zhongxing Park is a high-tech research park rather than a production-oriented one, and lacks a distribution reservoir and wastewater treatment plant, its proportion is relatively small and is therefore excluded from the statistics.



CTSP has been conducting water conservation guidance since 2007. As of 2025, a total of 54 sessions have been organized, achieving a cumulative potential water savings of 12.569 million tons per year. This reduces emissions by 1,960 metric tons of CO_2e per year, which is equivalent to the annual carbon reduction benefit of approximately 5.06 Daan Forest Parks (the carbon sequestration capacity of one Daan Forest Park is approximately 387 metric tons of CO_2e per year).

In 2024, 3 water conservation guidance sessions were conducted, with a total potential water savings of 369,124 tons per year. According to the Taiwan Water Corporation, an annual potential water savings of 369,124.5 m^3 per year can reduce CO_2e emissions by 57.6 metric tons of CO_2e per year (based on a reduction of 0.156 kg CO_2e per cubic meter of water saved), which is equivalent to the annual carbon reduction benefit of approximately 0.15 Daan Forest Parks.

In 2025, 3 water conservation guidance sessions were conducted, with a total potential water savings of 215,168 tons per year. Furthermore, based on the CO_2e conversion factor for 1 cubic meter of water announced by the Taiwan Water Corporation in 2024 to calculate the benefits of "energy saving and carbon reduction" measures, an annual potential water savings of 215,168 m^3 per year can reduce CO_2e emissions by 32.3 metric tons of CO_2e per year (based on a reduction of 0.15 kg CO_2e per cubic meter of water saved), which is equivalent to the annual carbon reduction benefit of approximately 0.083 Daan Forest Parks.



Cumulative Water
Conservation Guidance
Sessions

54 Sessions



Cumulative Potential
Water Savings

12.569
Million Tons/Year



Carbon Reduction
Benefits

1,960
Metric Tons CO_2e /Year

● Performance of Water Saving Counseling

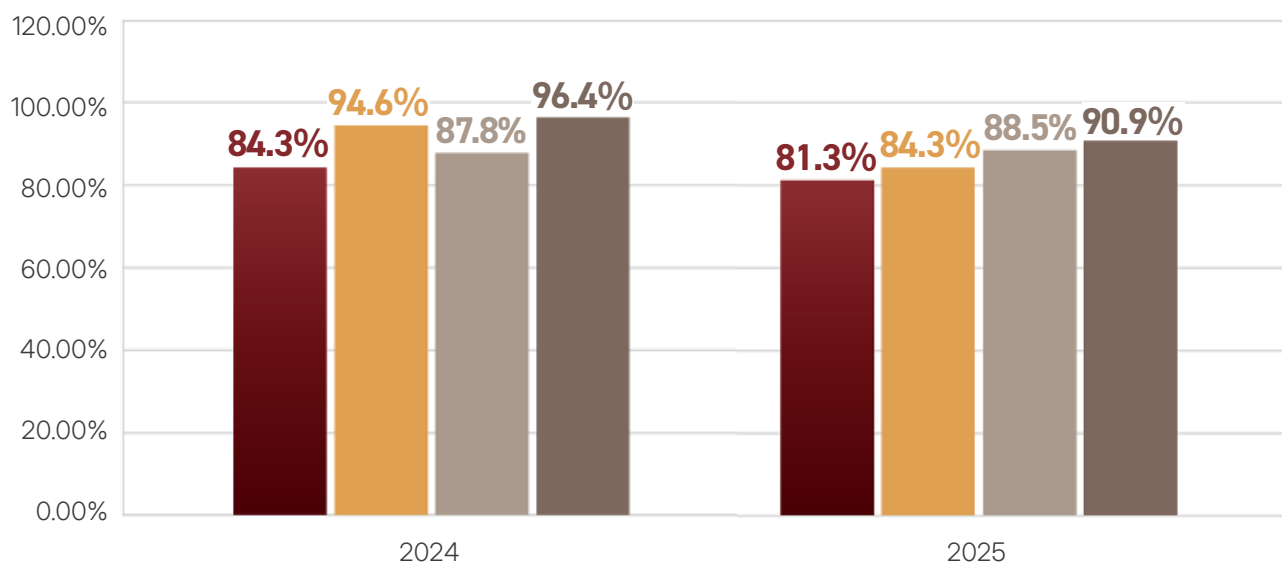
Performance of Water Saving Counseling in 2024

Project	Before	After
Average recovery rate of water in the whole plant	84.3%	94.6%
Average recovery rate of process water	87.8%	96.4%

Performance of Water Saving Counseling in 2025

Project	Before	After
Average recovery rate of water in the whole plant	81.3%	84.3%
Average recovery rate of process water	88.5%	90.9%

Performance of Water Saving Counseling



- Average Plant-Wide Water Recycling Rate Before Guidance
- Average Process Water Recycling Rate Before Guidance
- Average Plant-Wide Water Recycling Rate After Guidance
- Average Process Water Recycling Rate After Guidance



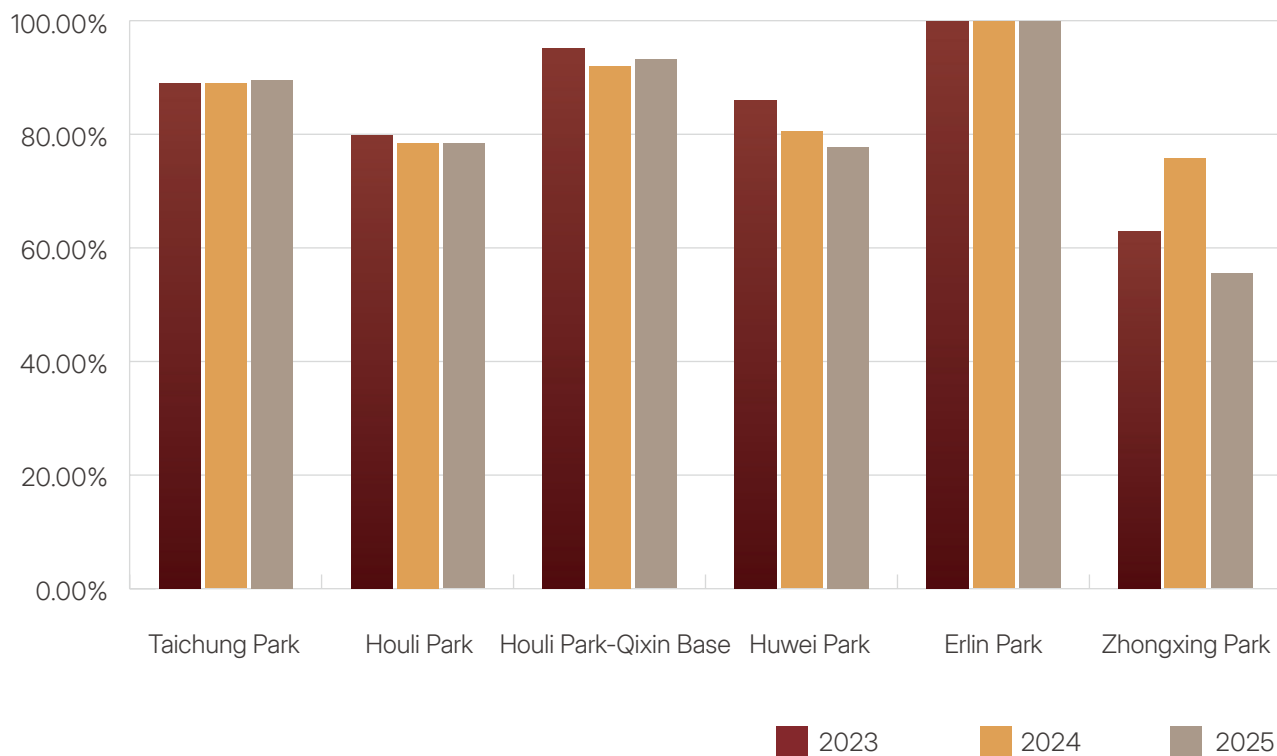
Water Recycling Rates Across the Parks

Park / Year	2023	2024	2025
Taichung Park	89.0%	89.0%	89.6%
Houli Park	79.9%	78.50%	78.40%
Houli Park-Qixin Base	95.2%	92.10%	93.30%
Huwei Park	86.1%	80.60%	77.8%
Erlin Park	100%	100%	100%
Zhongxing Park	62.83%	75.82%	55.53%

Note :

Recovery rate (reuse rate) = recycled water volume/(original water intake+recycled water volume) *100

Water Recycling Rates Across the Parks





CTSP Erlin Park Water Resource Center



National Science and Technology Council (NSTC) Visits the CTSP Erlin
Park Water Resource Center Construction Project

To facilitate the exchange of experience in construction quality management among engineering authorities, the National Science and Technology Council (NSTC) held its 2024 Engineering Demonstration and Observation Event on December 13, 2024, choosing the Erlin Park Water Resource Center Phase I Project for an on-site visit. Upon the completion of the Phase I, Stage 1 project of the Erlin Park Water Resource Center, its average daily treatment capacity reaches 5,000 CMD. This enables the proper treatment of wastewater generated by tenant companies in the Erlin Park, minimizing environmental impact. It serves as another practical arena for CTSP's water resource management and stands as another benchmark following the CTSP Taichung Park Reclaimed Water Project. Its expected benefits are as follows :



Item	Description
 Pollutant Load Reduction	Wastewater generated by tenant companies can be properly treated to meet reclaimed water quality standards and then recycled for reuse without being discharged into surface water bodies, thereby reducing the impact on the environment.
 Pollution Control	The Park Water Resource Center properly treats wastewater generated by tenant companies to meet reclaimed water quality standards, which is then recycled for reuse, thereby enhancing environmental friendliness toward the surrounding areas.
 Mitigating Environmental Impact	In addition to introducing high-tech industries to provide a premium production environment and boost competitiveness, the development of the science park leverages water environment control to dedicatedly foster a thoroughly user-friendly working environment as well as standard environmental sanitation and comfort.
 Creating Job Opportunities	The construction of this project will improve the environment and reduce the park's environmental impact, thereby boosting the public's willingness to seek employment within the park. This, in turn, will increase the working population of CTSP Erlin Park, revitalize surrounding regional amenities, and help drive local economic benefits.

Resource circulation and perfect waste treatment

Other core targets involved

Core Goals 7 and 13

Stakeholders involved :

Enterprises, Employees, Park



Implementation content and promotion results

1 Energy Saving, Energy Creation

To meet the targets required by the "Executive Yuan's Electricity Efficiency Improvement Plan for Government Agencies and Schools", the CTSP Bureau has implemented a series of power-saving measures in its administration building. These include replacing traditional lighting with energy-saving alternatives, managing the number of active office light fixtures based on occupancy schedules, and transitioning completely to LED lighting. As of 2025, all office fixtures have been replaced (with a total of 1,000 sets of 2-foot, 4-tube LED louvered troffers). Additionally, hallway lighting across all floors has been upgraded, replacing old fixtures with 35 sets of 2-foot, 2-tube LED batten fittings and 123 sets of LED recessed downlights. For air conditioning management, indoor temperatures are regulated between 26°C and 28°C, ice storage melting temperatures have been optimized, and system operating hours have been shortened. As a result, annual electricity consumption has steadily declined from 2.02 million kWh in 2009. In 2024 and 2025, the administration building's total annual electricity consumption was recorded at 1.72 million kWh and 1.64 million kWh, representing **reductions of 14.9% and 18.8%, respectively, compared to 2009.**

Furthermore, to enhance energy efficiency and reduce fuel consumption from official vehicles, all of the Bureau's leased vehicles have been switched to hybrid models, and an additional two electric vehicles were purchased in 2025. Annual fuel consumption has steadily declined from 8,266 liters in 2015. In 2024 and 2025, the total annual fuel consumption was recorded at 5,038 liters and 4,016 liters, representing reductions of 39% and 51%, respectively, compared to 2015.



In accordance with the "Regulations for the Guidance and Control of Water and Electricity in Science Parks of the National Science and Technology Council," the CTSP Bureau carries out the tracking, management, and dispatch of water and electricity usage for park tenants. To slow down the growth rate of overall power consumption across the park, the Bureau continues to provide energy conservation guidance and promotion. Since 2014, the Bureau has conducted annual on-site energy conservation guidance sessions, cumulatively assisting 55 companies through 2025. Given that energy consumption among park enterprises consists predominantly of electricity, these efforts have achieved a cumulative potential energy savings of 157,439 MWh per year (thousand kWh/year). Moving forward, the target is to increase the annual potential electricity savings by 4.3 million kWh each year. The park's electricity consumption data for the past three years are detailed below :

Project / Year	2023	2024	2025
Electricity consumption(kWh)	12,468,529,254	12,611,745,481	13,182,374,562
Electricity consumption (GJ)	44,886,705	45,402,283	47,456,548
Power consumption intensity (GJ / NT\$ 100 million)	4,783	4,390	4,198
Note : The turnover in 2023 was NT\$938.4 billion, NT\$1,034.3 billion in 2024 and NT\$1,130.4 billion in 2025.			

In response to the Solar Photovoltaic Promotion Plan launched by the Executive Yuan, the CTSP Bureau requires new tenant companies to evaluate their available roof space for solar PV installation during lease briefings, building permit pre-examinations, and power usage plan applications. Additionally, official notices have been issued to existing tenants, encouraging them to utilize current factory building surface areas to actively evaluate solar PV installations. The Bureau continues to hold annual solar PV promotional seminars and energy conservation guidance sessions. Specifically, solar PV installation promotional workshops were held on November 20, 2024, and October 29, 2025, to encourage park enterprises to accelerate the deployment of solar PV facilities. As of the end of December 2025, the total installed capacity across the park reached 79.68 MW.

2 Strengthen the toughness of power system

The Bureau adopts a dual-track strategy combining "Taipower's Grid Resilience Plan" with the park's own investments to comprehensively construct a power supply security guarantee for high-tech industries. By upgrading substation facilities, deploying smart grids and energy storage systems, and integrating diversified backup measures and renewable energy, we ensure that the park maintains stable operations even when facing natural disasters or unexpected contingencies.

Furthermore, through the reinforcement of key power plants—such as the Taichung Power Plant—and dedicated line power supply mechanisms, power quality is guaranteed right from the critical facility end to safeguard industrial global competitiveness and national economic security.

In driving autonomous contingency response capabilities among park enterprises, significant results have already been achieved. For anchor tenants with a power demand of 25,000 kW or higher, the adoption rate of Energy Management Systems (EMS) has reached 100%, with a cumulative total of 15 plants having completed implementation, substantially enhancing energy regulation and control efficiency. Concurrently, the Bureau is actively promoting the transition to energy storage. At present, grid-connected energy storage systems built independently by park enterprises have reached 6.8 MWh and have entered Taipower's system impact review phase. The Bureau is also simultaneously evaluating the feasibility of establishing its own energy storage demonstration sites or pursuing public-private partnerships to reinforce the flexible regulatory capacity of the park's power grid.

Meanwhile, the Bureau has been promoting renewable energy development on parkland and land designated for management service facilities within the CTSP Erlin Park. Under the "CTSP Project to Strengthen the Promotion and Installation of Renewable Energy Facilities in Alignment with Government Policies," proposals were solicited for the project.

The Bureau partnered with Yi-Yun No. 2 Co., Ltd. and integrated the energy management expertise of Intelligent Cloud Plus Inc. and Illum Energy Co., Ltd. (CTSP Branch) to jointly plan and install solar power facilities with a total installed capacity of approximately 1,200 kW. Phase I, with an installed capacity of 1.06 MW, has been completed, while Phase II, with a planned capacity of approximately 150 kW, is currently under development.



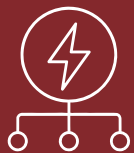
The core feature of this project lies in the innovative introduction of the "citizen power plant" model, with its specific value reflected in the following three major aspects :

Core feature



Local Participation and Revenue Sharing

Upholding the spirit of local participation, The plan stipulates that up to 49% of the total investment project amount will be open for public participation. Through community empowerment mechanisms, local residents can substantively participate in the installation process, ensuring that green energy revenues are funneled back into public services or shared directly with the local community.



Diversified Power Supply Architecture

This mechanism not only strengthens the overall stability and resilience of the park's power grid, but also establishes a sustainable development path where industry, energy, and the local community coexist in harmony and prosper together



Paradigm Establishment

By strengthening local connections, this project is committed to creating a benchmark model for domestic citizen power plants, realizing the values of social equity and shared prosperity within the energy transition.



Building a Circular Economy Demonstration Park

Other core targets involved

Core Goals 11 and 13

Stakeholders involved :

Employees, Park Enterprises, Suppliers, Media



Implementation content and promotion results

1 Green Energy and Shared Prosperity CTSP Park

In alignment with Taiwan's 2050 Net-Zero Emissions Pathway and "energy transition" strategies, and in response to global green energy trends, the CTSP Bureau is actively conducting investment recruitment for both the Erlin Park and Huwei Park. The targeted industries for introduction include optoelectronics and green energy. We warmly welcome upstream and downstream supply chain manufacturers involved in technological R&D, equipment manufacturing, and key component supply for the green or renewable energy sectors to establish their operations in the parks, thereby developing a robust green energy industrial cluster. Among these sites, the Erlin Park stands out as a high-tech science park characterized by strong local integration. The industry categories already successfully introduced to the park encompass precision machinery, integrated circuits, computer peripherals, optoelectronics, biotechnology, and green energy.

To drive the development of the circular economy demonstration industrial park, investment recruitment operations will continue to be actively promoted. Interested manufacturers can submit proposals in accordance with the standard format of the Park Enterprise Investment and Operation Project Proposal and the key focus areas of the Service Demand Briefing. A panel of experts and enterprise representatives will then be progressively convened to conduct evaluation and selection processes. Once selected, the chosen manufacturers must apply for park admission or add new service items, products, or technical services following the standard park enterprise entry procedures. In meeting service demands both inside and outside the parks, priority will be given to the CTSP parks, followed by expansion to the Hsinchu (HSP) and Tainan (STSP) science parks. If there is still surplus capacity, assistance can then be extended to meet demands outside the science parks.



2 Declaration and verification mechanism

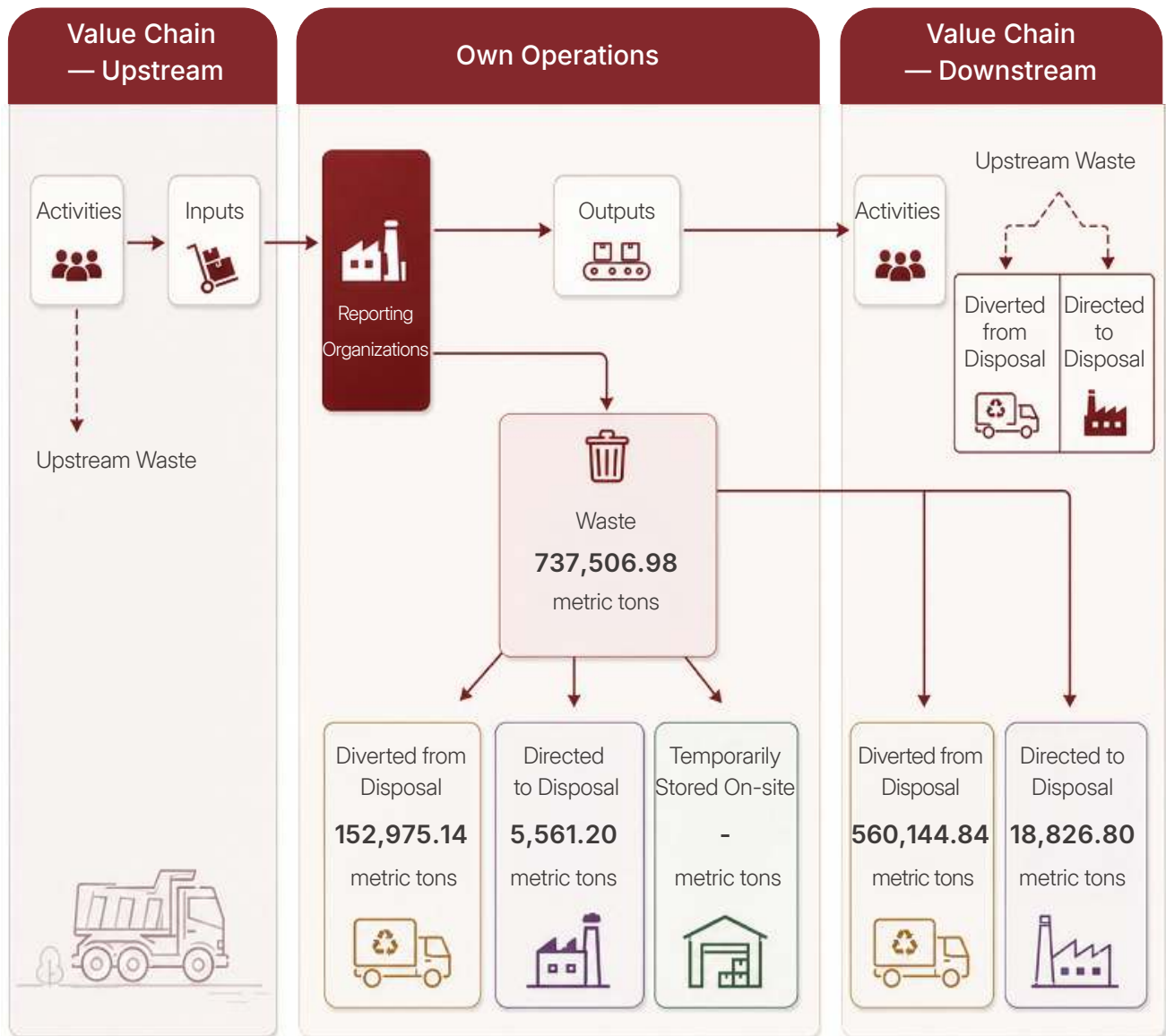
The park enterprises under the jurisdiction of this bureau must report the waste output and storage data online after obtaining the permission of the waste cleaning plan. The bureau will also check from time to time and check whether the waste removed by the enterprise has obtained the proper handling documents certified by the disposal agency to ensure that there is no arbitrary dumping after the waste is removed.

General industrial wastes are mainly sent to public and private disposal institutions for disposal, or handled in accordance with the relevant provisions of the Waste Cleaning Law on resource recovery and reuse. Hazardous industrial wastes are transported to the comprehensive industrial waste disposal center or qualified Grade A public and private waste disposal institutions under the guidance of the Ministry of Economic Affairs, or handled in accordance with the relevant provisions on reuse, and the real-time tracking system (GPS) is installed on the clearing machine for management.

Unit : metric

Composition of waste	Hazardous wastes		Non-hazardous waste		Remark
Processing mode	On site	Off site	On site	Off site	
Transfer in disposal	44,617.54	298,983.47	108,356.60	261,161.37	Reuse, recycling and other recycling operations
	343,601.01		369,517.97		
Direct disposal	0	5,689.26	5,561.20	13,137.54	Incineration (excluding energy recovery), burial, Solidification and other disposal operations
	5,689.26		18,698.74		
Amount	349,290.27		388,216.71		-
Total amount of waste	737,506.98				
Resource utilization ratio	96.7%				

Statistics from January 1, 2024 to December 31, 2025.



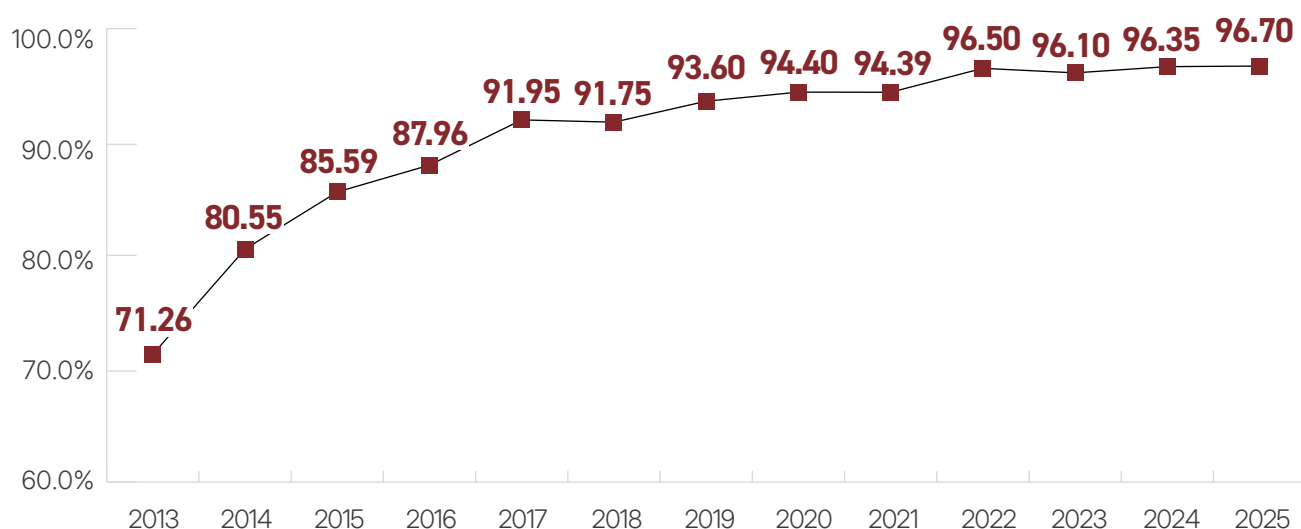
3 Promote circular economy

As the park continues to develop, the volume of industrial waste generated by park enterprises has increased year by year. To reduce environmental impact and enhance resource circulation efficiency, the Bureau continues to strengthen its assistance and guidance for park tenants. By promoting waste reduction at the source and implementation of recycling initiatives, and by providing professional recommendations on process improvements, sorting management, and reuse technologies, the Bureau helps manufacturers optimize resource utilization efficiency and substantially minimize end-of-pipe waste output. Furthermore, the Bureau organizes selection and recognition awards for outstanding units in waste reduction and resource circulation within the park.



From 2024 to 2025, two outstanding manufacturers and two exemplary professionals in waste reduction and resource circulation were selected, and the recognized enterprises were invited to share their valuable experiences following the awards ceremony.

In 2024-2025, a total of seven applications for recycling were approved, **and the recycling rate of waste in the parks under the jurisdiction of this bureau was increased to 96.1%** (only off-site recycling), which was better than the recycling rate of industrial waste in the whole country. 209 waste inspections and publicity on source reduction were completed, and 2 publicity sessions on recycling technology and regulations were held.



Note : The trend chart over the years is the value of departure resources (excluding on-site)



Commendation Meeting for Outstanding Units in Waste Reduction and Resource Recycling



Reuse application site survey review meeting



Reuse institutional experts and scholars to track and coach

4 Building Low-Carbon Sustainable Communities

● Taichung Zero-Waste Manufacturing Center

To assist park enterprises in advancing steadily through their low-carbon transitions, the CTSP Bureau continuously leverages regular communication mechanisms to compile the latest net-zero policy regulations, low-carbon technology trends, and carbon reduction achievements. Concurrently, the Bureau assesses the impacts of climate change on supply chains and clients to strengthen the park's sustainability and resilience. On November 13, 2024, Taiwan Semiconductor Manufacturing Company (TSMC) announced the official commercial operation of the Taichung Zero-Waste Manufacturing Center. Joined by green technology partners, supply chain representatives, academic and research institutions, industry associations, and government officials, this milestone marks a significant step forward in promoting green manufacturing within the CTSP Taichung Park.

The Taichung Zero-Waste Manufacturing Center stands as a semiconductor industry-leading integrated energy and resource recycling facility. It is also the first circular economy demonstration center jointly built by CTSP and TSMC. Developed under the principles of maximizing waste reduction, maximizing environmental benefits, and minimizing management risks, the center houses four specialized recycling and treatment plants : Calcium Fluoride Sludge, Silica Sludge, Waste Organic Solvent Thermal Recovery, and Isopropyl Alcohol (IPA) Recovery. This setup ensures that waste resources do not leave the loop while maximizing the value of recycled materials. Since kicking off trial operations in 2023, 100% of the center's recycled chemicals have successfully met the acceptance standards for recycled products. Beyond being repurposed for other industries, future plans include upgrading these to electronic-grade recycled chemicals to be routed straight back into semiconductor manufacturing processes. This approach will significantly curb the demand for raw material extraction and expand the boundaries of the circular economy model. When operating at full capacity, the center is estimated to decrease outsourced waste disposal by 110,000 metric tons per year, accounting for over 85% of the total waste volume generated across the CTSP Taichung Park, cut environmental costs by approximately NT\$1.5 billion, and bring about carbon reduction benefits of around 40,000 metric tons, which is equivalent to the carbon sequestration capacity of over 110 Daan Forest Parks. Furthermore, the Taichung Zero-Waste Manufacturing Center serves as Taiwan's very first demonstration site to introduce "membrane carbon capture technology," and TSMC has signed a Memorandum of Understanding (MOU) with the Ministry of the Environment to jointly push this technological development forward.



Aspects	Sustainability Results	Remarks
 Quality Achievement	100% Achievement Rate for Recycled Chemical Acceptance Standards	Calculated from the start of trial operations in 2023
 Waste Reduction Benefits	Estimated to reduce outsourced waste disposal by 110,000 metric tons annually	Accounting for over 85% of the total waste volume generated across the CTSP parks
 Economic Benefits	Cuts environmental costs by approximately NT\$1.5 billion annually	-
 Carbon Reduction Benefits	Reduces carbon emissions by approximately 40,000 metric tons annually	Equivalent to the carbon sequestration capacity of over 110 Daan Forest Parks



Zero-Waste Manufacturing Center



Taichung Zero-Waste Manufacturing Center Grand Opening Ceremony

● Startup Perovskite Zero-Carbon Building

The Central Taiwan Science Park (CTSP) Bureau officially inaugurated Taiwan's very first perovskite zero-carbon building (hereinafter referred to as the zero-carbon building) on June 20, 2025.

This achievement symbolizes an innovative breakthrough for CTSP in smart building and green energy applications, and it marks a critical step forward in advancing net-zero carbon emission goals. Jointly designed and constructed by the CTSP Bureau through the integration of startups and technology companies, the zero-carbon building serves as a demonstration site for third-generation solar energy.

Beyond showcasing the Bureau's proactive efforts in driving green energy technology development and application promotion, it also provides a concrete, referenceable application model for smart green buildings in Taiwan. Furthermore, it demonstrates the policy effectiveness of supporting and mentoring startups, further driving the promotion of innovative green energy technologies and smart integrated applications.

The zero-carbon building adopts perovskite energy-generating building materials and system designs provided by "Taiwan Perovskite Technology", a CTSP startup team. These materials possess physical properties such as heat insulation, waterproofing, wind resistance, and noise reduction, creating an experimental zero-carbon site centered on "energy generation, energy storage, energy saving, and smart intelligence".

Through the introduction of next-generation perovskite solar power-generating building materials, the zero-carbon building balances aesthetics and functionality, putting into practice the innovative concept of "the building itself is a power plant."

Furthermore, under the design integration of the park's engineering projects, smart technology applications have been introduced, allowing the building to serve as a verification platform and demonstration hub for the future development of smart cities and low-carbon parks. Moving forward, the Bureau will continue to combine resources from industry, academia, and research institutions to promote smart and low-carbon construction within the park, strengthen the sustainable development resilience of the tech industry, and align with the national 2050 Net-Zero Transition goals to march toward the blueprint of a smart green energy park.



Inauguration of CTSP's
Perovskite Zero-Carbon Building



The windows on both sides feature AIZ Windows
ZERO perovskite energy-generating windows

● Leading Taiwan : CTSP Secures Its First International Carbon Sink Certificate

The Central Taiwan Science Park (CTSP) Bureau collaborated with TCHAR in 2024 to establish a negative-carbon work base, jointly promoting a pilot project for biomass energy production facilities within the park. Utilizing the central district distribution reservoir land, the project recycles and resources tree branches pruned during park landscape maintenance. Through advanced pyrolysis technology, these resources are converted into biochar, which successfully passed the EBC international certification. This circular mechanism not only reuses the biochar for plantings within the park—achieving tangible benefits in carbon sequestration and soil improvement—but also secured Taiwan's very first international carbon sink (C-sink) certificate tradable on the global market. Furthermore, it has been registered on CDR.fyi, the world's largest carbon dioxide removal data platform, as the very first equipment listing in all of Asia, showcasing the park's leading position in waste resourcing and international integration.

In terms of technical verification, TCHAR, under the mentorship and guidance of the CTSP Bureau, has become Taiwan's first and currently only biochar producer to concurrently receive the dual certifications of EBC and Carbon C-sink. Through precise data verification technology (dMRV), it has been empirically proven that every ton of biochar produced achieves 2.625 tons of Carbon Dioxide Removal. This landmark achievement not only sets a precedent in Taiwan but also establishes practical experience for domestic industries to link up with international carbon credit certification mechanisms, concretely implementing a pathway that transforms local waste into internationally recognized carbon credits.

To consistently expand its sustainability impact, the CTSP Bureau hosted an expert panel discussion in 2025 titled "EBC Biochar Carbon Removal Technology : Expanding the Value and Potential of Industrial Sustainable Development." Deputy Director-General Shih Wen-fang and CSI (Carbon Standards International) CEO Ueli Steiner joined the panel as co-speakers.

The forum delved into European biochar technology, the Global C-Sink system, and global carbon sink trends, covering forward-looking insights such as EBC standards and market dynamics. Through this cross-border dialogue and technical exchange, the Bureau not only helped various sectors precisely grasp international carbon removal standards but also provided highly actionable, sustainable solutions to meet Taiwan's carbon management needs on its pathway to net-zero emissions.



CEO Ueli Steiner of Carbon Standards International AG (CSI) and Board Member Georg Gerharter of its parent group, EASY CERT, made their inaugural visit to the Central Taiwan Science Park (CTSP)



Intensive planning

The Central Taiwan Science Park (CTSP) Bureau places the 2050 net-zero emissions goal at its core, advancing environmental management through strategies prioritized around “reclaimed water, enhanced water efficiency, circular waste reduction, and risk management”.

In terms of water resources, beyond advancing the layout and dispatch mechanisms for reclaimed water from the Shuinan, Futian, and Wurih Water Resources Centers, the Bureau has committed to using 100% reclaimed water for the Phase II expansion of the Taichung Park, ensuring that local domestic water supplies remain unaffected. On the environmental front, the Bureau is strengthening regulatory compliance and collaborating with Taichung Zero-Waste Manufacturing Center to expand high-value recycling, reducing impacts through reduction at the source. Concurrently, the Bureau is deepening green energy industrial clusters by introducing energy storage and smart grid technologies to the Erlin and Huwei parks, while also promoting perovskite zero-carbon buildings and AIoT energy management systems to realize the concept of “the building itself is a power plant.” Furthermore, through industry-academia-research collaboration, the Bureau is expanding the application of biochar negative-carbon technology and linking up with international carbon credit mechanisms, striving to build a model sustainable science park that seamlessly integrates energy generation, carbon reduction, and carbon sinks.



Core Goals 13



Complete mitigation and adaptation actions to cope with climate change and its impact

Corresponding to specific goals

13.1 Enhance climate change adaptability, strengthen resilience and reduce vulnerability

Core goal approach (2024-2025 performance)

- Maintain and ensure the normal operation of various systems in the smart park
- Continue to operate the 24-hour emergency response center in the park.
- Implement emergency drills, related courses or publicity briefings twice in 2024 and twice in 2025.
- In accordance with Article 12 of the Climate Change Response Act and Article 8 of the Enforcement Rules of the Climate Change Response Act, the Bureau proactively increases the waste recycling and reuse rate of park enterprises and drives guidance for greenhouse gas inventories.

Customized tracking indicators (customized short, medium and long-term goals)

Short-term goals (2026~2027)

- Maintain and ensure the normal operation of all systems in the smart park.
- Continue to operate the 24-hour emergency response center in the park.
- Implement emergency drills, related courses or publicity briefings at least twice a year.
- Completed 5 rounds of greenhouse gas (GHG) inventories and hosted 2 greenhouse gas management meetings

Medium and long-term goals (2030)

- Continuously improve the emergency response capability of park manufacturers and joint defense organizations, and strengthen operational resilience.
- Implement emergency drills, related courses or publicity briefings at least twice a year.
- Reviewed and revised waste recycling and reuse regulations to increase the waste reuse rate of park enterprises, reduce the consumption of raw materials, and achieve carbon reduction benefits.



Customized tracking indicators (customized short, medium and long-term goals)
● Assisted companies in identifying emission sources and mapping out emission distributions through inventory guidance, enhancing their capacity for subsequent self-inventories and carbon reduction management.
Unit
Environment and Labor Affairs Division, Construction Management Division, General Affairs Division, Planning Division, Business Division

Corresponding to specific goals	
13.2	Implementation of greenhouse gas stage control targets
Core goal approach (2024-2025 performance)	
● From 2022 to 2023, 10 sessions of greenhouse gas inventory counseling meetings, 4 sessions of energy conservation and carbon reduction promotion meetings, 2 sessions of zero-carbon transformation briefing sessions or technical forums, and 2 sessions of environmental protection seminars and environmental protection related topics briefing sessions were held.	
Customized tracking indicators (customized short, medium and long-term goals)	
Short-term goals (2026~2027)	
● Handle 5 publicity meetings related to environmental protection and energy saving every year.	
Medium and long-term goals (2030)	
● Organized 5 greenhouse gas (GHG) inventory guidance meetings, along with 2 briefing sessions or technical forums related to GHG management or zero-carbon transition.	
Unit	
Environment Protection Section, Maintenance Engineering Section	



Challenges / opportunities faced

As the impacts of global warming become increasingly prominent, Taiwan has officially laid out its 2050 Net-Zero Pathway and completed amendments to the Climate Change Response Act. These tightening carbon reduction requirements are placing greater transition pressures on enterprises within the science parks. Concurrently, driven by investment expansions and business growth, power consumption and emissions across the parks may continue to rise. This highlights an urgent need to continuously enhance energy efficiency management and actively master the development of energy transitions and low-carbon technologies as they mature.

The CTSP Bureau will extend its on-site energy-saving guidance, focusing on improving high-energy-consuming manufacturing processes and system efficiencies, introducing energy management systems, and encouraging the adoption of green power to assist manufacturers in establishing practical, actionable carbon reduction pathways. Furthermore, in response to increasingly frequent cyberattacks, the Bureau is not only strengthening its cybersecurity governance but is also proactively raising cybersecurity awareness among its employees and park tenants. By promoting information security management systems and organizing educational seminars, the Bureau aims to minimize the risk of cybersecurity incidents.





Specific actions and promotion highlights

Enhancing Smart Governance and Cybersecurity Protection

Other core targets involved

Stakeholders involved :

Park Enterprises, Neighboring Communities(Non-governmental Organizations and the Public), Government Agencies

Core Goals 11



Implementation content and promotion results

1 Smart Sustainability and Cyber Security Joint Defense

Driven by increasing rainfall variability in recent years, Taiwan has repeatedly faced water shortage crises. The CTSP Bureau designated "changes in average rainfall and water resource stress" as a material climate change risk in 2021, and has since driven various water resource contingency plans. To enhance risk identification, early warning, and emergency response capabilities across the parks, the Bureau introduced Information and Communication Technology (ICT) to update park pipeline mapping data into the Geographic Information System (GIS) database, strengthening pipeline management and smart decision-making. Concurrently, seismic sensors and message transmission equipment have been installed throughout the parks alongside the setup of an integrated seismic message communication group. This ensures that seismic intensity and acceleration data can be transmitted in real time, significantly boosting disaster notification and response efficiency.



Smart Sustainable Development Plan for Science Parks



Smart water and electricity system construction plan

- Initiated the implementation of the smart water system for the Houli Park, completed the planning for the management display platform, and introduced real-time monitoring and alarm mechanisms.
- Expanded water and electricity monitoring points along with data streaming integration, strengthening anomalous water-use identification, leakage early-warnings, and energy-saving regulations to serve as a foundation for smart management and strategic decision-making within the park.



Smart disaster prevention and water regime system

- Implemented a smart wastewater discharge emergency response and control system along with a smart sewerage operation framework; installed water quality, water volume monitoring, and video surveillance equipment at critical nodes to collect and analyze data, and constructed a multimedia decision-making display interface.
- Integrated multiple notification mechanisms—including webpages, TV walls, SMS, LINE, and exhibition robots—to boost handling efficiency for anomalous events and enhance wastewater treatment stability.



CTSP Smart Sewage Plant Management System

- Promoted the facility inspection and notification system, incorporating the management of domestic water pipelines and specialty industrial gas pipelines, and established real-time notification, repair reporting, and status update mechanisms.
- Introduced the broadband conduit maintenance system, providing online application, notification, and query services to enhance pipeline maintenance transparency, administrative efficiency, and risk management capabilities.

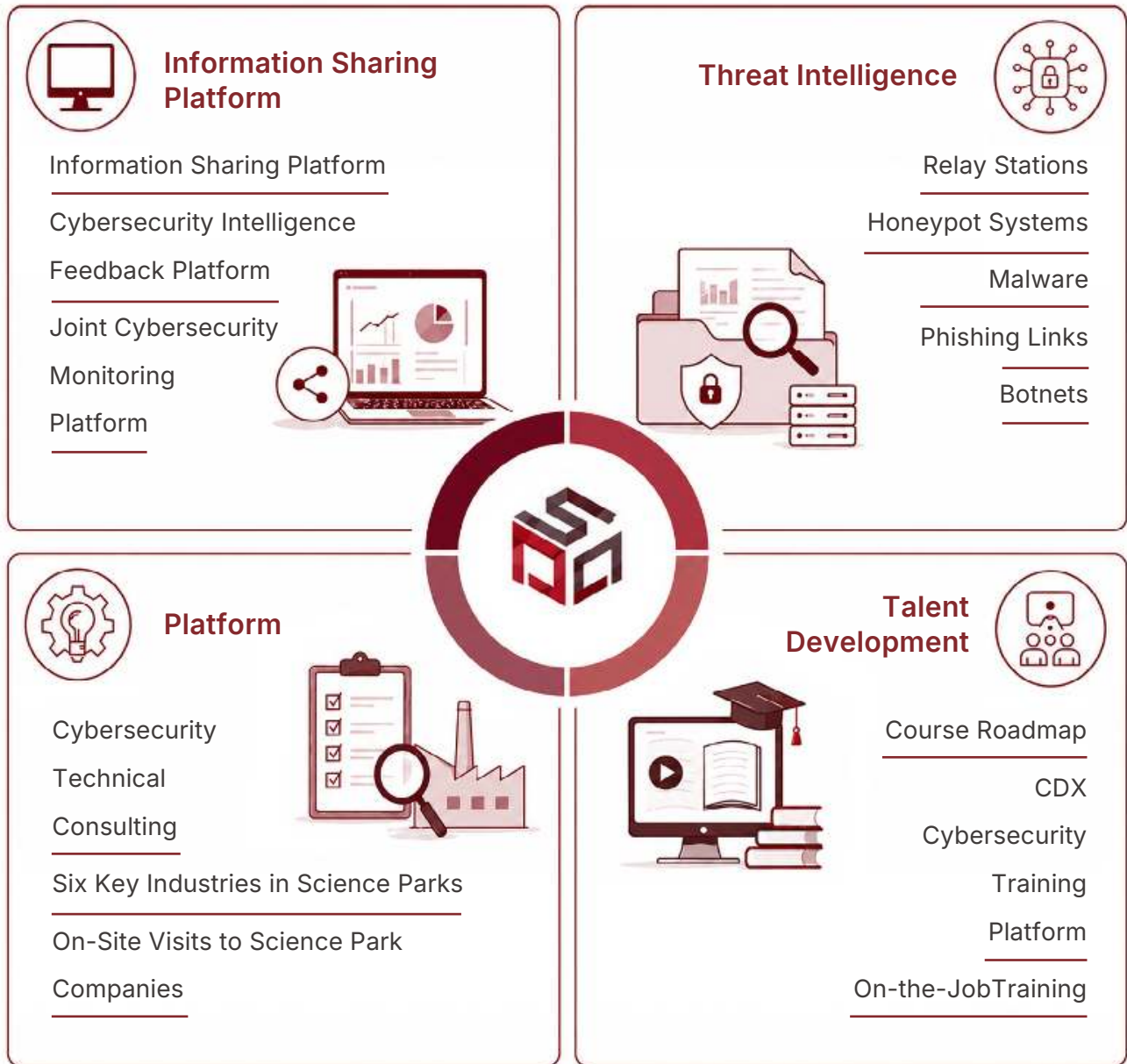


While continuously expanding its digital systems, the Bureau is simultaneously strengthening its cybersecurity governance and joint defense mechanisms. The Bureau has already passed information security and privacy management certifications such as ISO 27001 and ISO 27701, and completed its transition audit to the ISO 27001 : 2022 standard in 2025. Furthermore, in compliance with the Cyber Security Management Act, the Bureau has implemented comprehensive measures including security testing, cybersecurity health checks, threat detection, vulnerability notifications, endpoint detection and response (EDR), and Government Configuration Baselines (GCB), while continuously upgrading hardware and software to fortify overall cyber defenses.

Over the past three years, the Bureau has experienced no major data breach incidents and continues to align with the Executive Yuan's directives to advance cybersecurity management operations. Additionally, the co-location data center for the National Science and Technology Council (NSTC) and the three major science parks — Hsinchu (HSP), Central Taiwan (CTSP), and Southern Taiwan (STSP) — is established at CTSP. Managed by a dedicated operations and maintenance team in strict adherence to security regulations, it delivers stable and secure information services to all three parks. Concurrently, through the Science Park Information Sharing and Analysis Center (SP-ISAC), the Bureau drives the sharing of cyber threat intelligence, security technologies, and information exchanges to provide early warnings to park enterprises. From 2024 to 2025, the center hosted 24 training courses and seminars, drawing 1,873 attendees from the IT and cybersecurity staff of park enterprises, consistently reinforcing the joint cybersecurity defense capabilities across the three science parks.



● Science Park Cybersecurity Information Sharing and Analysis Center





Advancing Toward Net-Zero Carbon Management

Other core targets involved

Core Goals 12

Stakeholders involved :

Park Enterprises, Neighboring Communities(Non-governmental Organizations and the Public), Government Agencies



Implementation content and promotion results

1 Greenhouse gas inventory

The Central Taiwan Science Park (CTSP) Bureau strengthens the management of greenhouse gas emissions within the park through "leading-anchor driving, hierarchical management, and data governance," while continuously refining its inventory and data aggregation mechanisms. To pinpoint the major emission sources across the park, the Bureau aggregates and analyzes the emissions data of the top 15 enterprises by total park revenue.

In alignment with the statistical reporting timelines of the Ministry of Environment's Climate Change Administration via its Greenhouse Gas Emissions Information Platform, the Bureau regularly updates these emission profiles. This gradually establishes a traceable emissions database that serves as a cornerstone for subsequent carbon reduction guidance and performance tracking.

Currently, a total of 10 enterprises operating 19 plants within the jurisdiction of the CTSP Bureau are legally required to conduct, register, and verify greenhouse gas (GHG) inventories. Furthermore, in accordance with the competent authority's announced regulations to expand the scope of required inventories, an additional 5 enterprises with 5 plants are expected to be brought under this scope. The Bureau continuously tracks the inventory progress of businesses within its jurisdiction and assists them in completing their inventory registrations and verification processes within the legally mandated deadlines.

**2025 Annual gas emissions that account for the top 15 companies
in the Park's total turnover**

Number of manufacturers	15
Scope 1 (10,000 metric tons of CO₂e)	62.81
Scope 2 (10,000 metric tons of CO₂e)	548.71
Total emissions (10,000 metric tons of CO₂e)	611.52
Turnover (NT\$100 million)	10,342.55
Emission intensity (10,000 metric tons of CO₂e / NT\$100 million)	0.06

In accordance with the environmental impact assessment commitments for the Houli Park, the CTSP Bureau consistently requires resident manufacturers to periodically conduct and report greenhouse gas (GHG) inventories. The Bureau aggregates annual GHG emission statistics for the Houli Park, progressively compiling year-over-year data to enhance disclosure completeness. The management approach adopts a strategy of "hierarchical guidance combined with voluntary advancement." For enterprises legally mandated to register their inventories, the Bureau guides them to complete the previous year's full-plant inventory registration and verification operations within the deadlines, while helping clarify topics such as operational control, inventory boundaries, and base-year configurations to strengthen data consistency and traceability. For all other companies conducting voluntary inventories, the Bureau utilizes promotional campaigns, educational training, and methodological guidelines to establish standardized inventory processes and data aggregation methods, ultimately elevating the overall inventory quality and coverage rate across the park.

The greenhouse gas inventories conducted by the manufacturers in the Houli Park are all executed in accordance with domestic and international standards — such as the Ministry of Environment's Greenhouse Gas Emission Inventory Operation Guidelines (currently the 2024 version), the GHG Protocol, or ISO 14064-1. Within these frameworks, emissions calculation methodologies strictly adhere to the requirements of each respective standard. Furthermore, in compliance with competent authority regulations, the Global Warming Potential (GWP) values have adopted the figures from the IPCC Fifth Assessment Report (AR5) since 2024.



CO₂e Emissions in Houli Park

Project / Year	2022	2023	2024
Scope 1 (10,000 metric tons of CO ₂ e)	15.25	16.06	20.91
Scope 2 (10,000 metric tons of CO ₂ e)	148.34	153.69	155.56
Total emissions (10,000 metric tons of CO ₂ e)	163.59	169.75	176.47
Turnover of Houli Park (NT\$100 million)	1,604.15	1,677.40	2,007.04
Emission intensity (10,000 metric tons of CO ₂ e / NT\$100 million)	0.10	0.10	0.09

Note :

In alignment with corporate verification processes and the data release schedule of the Ministry of Environment's Climate Change Administration, the compilation of 2025 greenhouse gas emissions data is expected to be completed in November 2026.



"Multi-drive Path to Net-Zero :
Green Tech & Low-Carbon Industrial Cluster Co-creation" Press Conference



Briefing Session on Waste
Recycling and Reuse Technologies



Briefing Session on the Application and Sharing of
Environmental Remediation Technologies

2 Promote net zero carbon emissions

In alignment with the Executive Yuan's "Taiwan 2050 Net-Zero Pathway and Strategy," the Bureau actively promotes low-carbon technological innovation and sustainable park governance. In 2025, the Bureau hosted the "Multi-drive Path to Net-Zero : Green Tech & Low-Carbon Industrial Cluster Co-creation" press conference, where we showcased the concepts of carbon cycling and carbon sequestration through a tree-planting demonstration enhanced by biochar, thereby motivating park enterprises to commit to the net-zero transition. Furthermore, the "Science Park Carbon Reduction Excellence Awards" incentivize manufacturers to strengthen energy-saving and emission-reduction efforts, facilitating the achievement of the park's collective carbon reduction targets.



Intensive planning

Building upon its existing achievements in net-zero transition and smart sustainability, the CTSP Bureau continuously strengthens its sustainable governance and risk management capabilities. On the net-zero front, the Bureau will steadily advance energy conservation, energy storage, green energy generation, process-based carbon reduction, and the circular economy. By establishing annual carbon reduction pathways and key performance indicators (KPIs), the Bureau aims to strengthen greenhouse-gas inventory systems, base-year management, emission factors, and third-party verification mechanisms, thereby enhancing the transparency and traceability of carbon emission data while helping manufacturers adapt to international supply chain carbon management requirements, such as the Carbon Border Adjustment Mechanism (CBAM).

In terms of smart sustainability, the Bureau will integrate multiple systems—including smart water and electricity monitoring, water conditions, disaster prevention, wastewater management, seismic early warnings, and pipeline information — to construct a cross-develop an integrated cross-system dashboard and early-warning mechanism. Furthermore, through scenario-based drills, standard operating procedures (SOPs) will be continuously updated, boosting the park's capabilities in pre-disaster warning, mid-disaster response, and post-disaster recovery, ultimately fortifying overall resilience and sustainable competitiveness.



Vision : Inclusive Co-prosperity

Main axis of governance :

Building a sustainable management and high-quality investment environment

Core Goals 8



Promote inclusive and sustainable economic growth, enhance labor productivity, and ensure that all people enjoy quality employment opportunities

Corresponding to specific goals

8.7

Promote work safety and protect the rights and interests of female workers participating in trade unions.

Core goal approach (2024-2025 performance)

- Conducted at least 3 seminars on labor laws and gender equality annually, accumulating 210 participating enterprises and over 330 attendees from 2024 to 2025.
- Executed 86 labor condition inspections (including gender equality) in 2024 and 106 in 2025, totaling 192 factory visits.
- The number of occupational safety and health inspections was 694 in 2024 and 747 in 2025.
- Maintained an occupational injury rate per thousand workers below the five-year average (the average rate from 2021 to 2025 was 1.76), with the rate hitting 1.52 in 2024 and 1.51 in 2025.
- Promoted on-site occupational safety and health guidance, completing 55 sessions in 2024 and 73 sessions in 2025.

Customized tracking indicators (customized short, medium and long-term goals)

Short-term goals (2026~2027)

- At least three publicity meetings on the implementation of labor laws and gender equality work laws are held every year.
- Check the working conditions (including gender equality) at least 70 times a year.
- Conducted at least 500 occupational safety and health inspections annually.

Customized tracking indicators (customized short, medium and long-term goals)**Short-term goals (2026~2027)**

- Maintained an annual occupational injury rate per thousand workers below the five-year average.
- Promoted at least 20 on-site occupational safety and health guidance sessions annually.

Medium and long-term goals (2030)

- Carry out at least 500 occupational safety and health inspections every year.
- Provide on-site occupational safety and health guidance, at least 20 sessions a year.
- Build a sustainable, disaster-resilient, and healthy workplace environment, and create zero work-related injuries and zero occupational accidents.
- At least four publicity meetings on the implementation of labor laws and gender equality work laws are held every year.
- Check the working conditions (including gender equality) at least 75 times a year.

Unit

Environment and Labor Affairs Division

**Challenges / opportunities faced**

In alignment with the overarching strategic planning of the National Science and Technology Council (NSTC), the CTSP Bureau continuously drives the development of high-tech industrial clusters and stimulates local economic growth. Beyond actively optimizing the utilization of land resources and the construction of physical infrastructure, the Bureau regards talent capacity as a critical prerequisite for shaping a premium investment environment. Consequently, the Bureau is executing a two-pronged strategy : on one hand, it is strengthening the cultivation of and connection with high-tech professionals; on the other hand, it utilizes guidance and on-site inspection mechanisms to encourage enterprises to establish more comprehensive and robust labor conditions, while implementing workplace equality and family-friendly workplace measures to elevate the park's overall employment attractiveness. Amidst increasingly fierce global tech competition and talent acquisition races, the Bureau aims to assist enterprises in stabilizing operations and fortifying resilience, thereby advancing toward the goals of long-term sustainable management and a high-quality investment environment.



Specific actions and promotion highlights

Create a Equal, friendly and Happy Workplace

Other core targets involved

Core Goals 4 and 5

Stakeholders involved :
Employees



Implementation content and promotion results

1 Promote equal rights in the workplace

To address the entry into force of the amendments to the Gender Equality in Employment Act, alongside the newly implemented "Three Gender Equality Laws" and the Stalking and Harassment Prevention Act, the CTSP Bureau continuously focuses on promoting workplace equality, preventing workplace sexual harassment, and strengthening awareness of employment equity. These core efforts assist park business units in implementing statutory regulations and constructing a safe, friendly, and diverse workplace environment. On July 11, 2025, the Bureau held the "Workplace Equality and Sexual Harassment Prevention Seminar," focusing on topics such as the prevention of workplace sexual harassment, the Gender Equality in Employment Act, measures to promote equality in employment, and the prevention of employment discrimination.

Through regulatory explanations and practical case studies, the seminar helped human resources and management personnel elevate their professional expertise and integrate gender equality concepts into their HR systems and daily management. Additionally, on October 16 of the same year, the Bureau conducted the "Workplace Sexual Harassment Case Investigation Workshop" to guide park business units in mastering relevant regulations, investigation procedures, evidence collection, report writing, and case-handling techniques.

This workshop aimed to help enterprises establish grievance and investigation mechanisms that are empathetic, fair, and professional, ensuring that workers can perform their duties with peace of mind in an environment free from discrimination and harassment.

The CTSP Bureau continues to organize its annual selection of excellent business units for workplace equality, encouraging park enterprises to implement labor laws and gender equality regulations, safeguard workers' rights, and promote mutual learning and continuous improvement through public commendation. Internally, the Bureau consistently strengthens its staff's gender equality awareness, integrating gender perspectives into policy formulation and daily administrative operations. In 2025, the Bureau conducted 8 gender awareness cultivation courses, achieving a 97.8% completion rate for gender equality-related training. The curriculum covered topics such as gender and technology, the CEDAW convention, sexual harassment prevention, and gender-based violence prevention. Furthermore, the Bureau expanded the reach of gender equality concepts through online courses, in-person lectures, film appreciation sessions, and promotional articles in the CTSP Newsletter, consistently shaping an organizational culture that respects diversity and maintains zero tolerance for discrimination.

To strengthen workplace bullying prevention and enhance communication and coordination skills, the Bureau conducted a training session on leadership management, communication, coordination, and workplace bullying prevention on March 3, 2025. The course content was tailored to the respective responsibilities of general staff and managerial personnel to heighten awareness of effective communication and bullying prevention. Additionally, the Bureau has established a dedicated workplace bullying grievance hotline, fax line, and email address, while clearly defining formal grievance procedures. By strictly adhering to principles of non-disclosure and confidentiality, the Bureau protects the privacy and rights of the parties involved, working collectively to construct a safe, respectful, and reassuring workplace environment.

2025 Award-Winning Enterprises for the Selection of Excellent Business Units in Promoting Workplace Equality



Excellent award :
MICRON MEMORY TAIWAN CO., Ltd.



Merit award :
YUNG SHENG OPTICAL CO., Ltd.



2025 Gender Awareness Training Course				
Course Title	Session	Course Type	Hours	Participants
Gender and Technology : Leading Technological Innovation Through Gender Equality	2	Digital Course	2	131
CEDAW Application in Business and Case Studies	2		2	131
Co-creating a Friendly Environment : Workplace Sexual Harassment Prevention and Support	2		2	131
"Gender Equality and Human Rights Education Under the Reflection of the 'Tiger Mom' Accompanied Learning Equation(The New Classmate) : A Dialogue from Family to Society"	1	Physical Course	3	48
Gender-Based Violence and Human Rights Issues	1		3	45



Workplace Bullying Complaint Channels

Hotline : 04-25658588 # 6601

Fax : 04-25658833

Email : divisionp@ctsp.gov.tw

2 Employee Support and Well-Being

The CTSP Bureau collaborates with professional organizations to promote Employee Assistance Programs (EAPs) aimed at fostering the physical and mental well-being of staff while elevating overall administrative efficiency. These programs offer confidential counseling services across multiple dimensions, including psychological, career, legal, financial, and managerial support, allowing employees to access relevant resources independently without requiring referrals from supervisors or the Bureau. Concurrently, the Bureau publishes monthly promotional literature within its personnel bulletins — covering themes such as stress adjustment, emotional management, family communication, and workplace friendliness—and distributes info-cards detailing program contents and access channels. Briefing sessions and lectures by scholars and experts are also organized periodically to assist colleagues in understanding and effectively utilizing these employee assistance resources.



Participating Teams in the 2024 CTSP Cup Baseball Competition



Group Photo of the 2025 CTSP Cup Road Race Event



Recognizing the importance of physical activity to overall well-being, the Bureau regularly promotes exercise and recreation. The Bureau regularly organizes the "CTSP Cup" competitions — such as road races, badminton tournaments, basketball games, and softball matches—inviting park employees and their families to participate. During these ball games, players from each team demonstrate superb sportsmanship and teamwork on the court while cheering each other on from the sidelines, forging a cohesive and harmonious atmosphere.

These events also effectively help relieve physical and mental stress, foster cross-unit exchange, and reinforce the overall solidarity and cooperative spirit of the park. Through these diversified care and support measures, the Bureau assists employees in maintaining an optimal physical and mental state, shapes a friendly workplace environment, and further elevates organizational performance.



Participating Teams in the 2024 CTSP Cup Baseball Competition



Connecting Science Parks, Nurturing a Sustainable Generation

Other core targets involved

Stakeholders involved :

Employees, Park Enterprises, Neighboring Communities(Non-governmental Organizations and the Public), Government Agencies, Media

Core Goals 4



Implementation content and promotion results

1 Building an Internationalized NEHS at CTSP

The CTSP Bureau is dedicated to attracting high-tech manufacturers to build Central Taiwan's technology industry chain and sustainable science clusters, while comprehensive living and educational facilities serve as an essential foundation supporting the park's development. The National Experimental High School at CTSP (NEHS at CTSP) was approved for establishment in 2009, consecutively introducing its Senior High School, Junior High School, Bilingual, and Elementary Departments. A kindergarten is projected to be established by 2028, making it the second experimental high school in a science park to feature a complete K-12 coherent education system, following the NEHS at Hsinchu Science Park.



Distinguished guests, including Deputy Minister Chen-Kang Su of the National Science and Technology Council (NSTC), Director-General Maw-Shin Hsu of the CTSP Bureau, and Principal Wen-Chih Chin of the NEHS at CTSP, jointly cut the ribbon.



Integrating park and social resources through innovative and cross-disciplinary teaching, the NEHS at CTSP adheres to six core philosophies—technology, humanity, internationalization, art, character, and innovation—to cultivate talents possessing both technological literacy and humanistic care. Concurrently, the Bilingual Department strengthens connection with international education, enhancing students' international mobility and competitiveness to forge a forward-looking and internationalized educational environment. Furthermore, the recruitment scope of the Elementary and Junior High School Departments includes students from the local community, demonstrating that the NEHS at CTSP not only serves as an educational pillar for the park but also fulfills the functions of sharing educational resources and maintaining good neighborly relations.



Group Photo of the Plaque-Unveiling Ceremony for the Inauguration of the New School Buildings for the Elementary Department, Kindergarten, and Bilingual Department of the NEHS at CTSP

In response to the development of the Central Taiwan Science Park and regional educational needs, the new school buildings of the NEHS at CTSP were inaugurated with a plaque-unveiling ceremony on September 22, 2025. Utilized by the Elementary Department, Non-Profit Kindergarten, and Bilingual Department, the facilities not only provide a more comprehensive educational environment for the children of park employees but also strengthen the educational foundation for CTSP and local development.



A Lego Robotics Challenge that Inspires Scientific Spirit

The Central Taiwan Science Park (CTSP) Non-Profit Kindergarten achieved a perfect score of 100 points in its performance evaluation for the 2024 academic year, demonstrating high-quality educational outcomes. Inheriting the school's six major educational visions and combining the industrial resources of the science park with bilingual education advantages, the Elementary Department of the NEHS at CTSP cultivates students' technological literacy, international perspective, humanistic care, and innovative thinking. Meanwhile, the Bilingual Department features cross-cultural learning; its students currently come from 21 different nationalities, and its foreign faculty members hail from countries such as the United States, Canada, New Zealand, and South South Africa, showcasing a diverse and inclusive international educational environment. Through the California curriculum framework, AP courses, ESL learning support, and a comprehensive higher education counseling system, the Bilingual Department assists students in bridging domestic and overseas education, developing global competence and transnational mobility.

In terms of educational achievements, the NEHS at CTSP delivered outstanding academic placement performance in 2024. Approximately 73% of the graduating seniors from the Senior High School Department were admitted to national and medical universities, with around 32% entering top-tier domestic universities. Graduates from the Bilingual Department achieved a 100% admission rate to renowned universities in the United States, Australia, Taiwan, and other countries, with students already accepted into institutions such as UC Berkeley, the University of Sydney, and National Taiwan University. Additionally, about 23% of the Junior High School Department students were admitted to their top three high school choices. Looking ahead, the Bilingual Department is projected to host the Central Taiwan Overseas University Fair in March 2026, inviting approximately 56 overseas universities to participate, continuing to expand international higher education resources and development opportunities for students.



2 Cultivating Future Cross-Disciplinary Talents

In terms of curriculum and talent cultivation, the NEHS at CTSP actively integrates STEAM curricula, FRC robotics competitions, AI learning resources, green campus learning, and cross-departmental collaborative activities. This allows students to engage with scientific inquiry, engineering implementation, artistic expression, multiculturalism, and sustainability issues in their daily learning.

The school has long invested in the FIRST Robotics Competition to cultivate students' teamwork, engineering design, and problem-solving abilities. In 2025, the NEHS at CTSP robotics team, #7636 Robomania, participated in the New Taipei City and San Francisco Regional Competitions, advancing to the top eight in the San Francisco Regional and winning the Gracious Professionalism Award in the New Taipei City Regional. This demonstrated their cooperative spirit, rural service initiatives, and the core values emphasized by FIRST, including equity, humility, positivity, and respect.



#7636 Robomania The Robotics Team Awarded the "Gracious Professionalism Award" at the New Taipei City Regional Competition

The school also establishes a sustainable model for cultivating technological talent through its "Fun with STEAM Design" diverse elective courses and FRC flexible learning activities, which combine professional coaching with the shared experiences of graduating alumni.

Concurrently, the school collaborates with the industry to promote climate education and international exchange, guiding students to understand sustainability issues such as biochar, carbon removal, and the net-zero transition, while maintaining regular interactions with sister schools in Osaka and Kumamoto, Japan, as well as the Czech Republic and Germany, to expand students' cross-cultural understanding.

In terms of bridging AI and international education, the Bilingual Department's counseling team designs guidance content covering self-awareness, AP elective course selection, exploration of department and career trends, and domestic and international university applications. They also invited Professor Steve Greedy from the Faculty of Engineering at the University of Nottingham, UK, to offer the course "Introduction to Computer Vision using YOLO," helping students comprehend the applications of computer vision and artificial intelligence.

Overall, through international education, hands-on technological practice, AI exploration, and sustainability learning, the NEHS at CTSP is progressively constructing a talent cultivation pathway that spans from foundational empowerment and competitive challenges to future higher education and career exploration.



Professor Steve Greedy Lectures on the Introduction to AI Course



Professor from the Faculty of Engineering, University of Nottingham (middle), Visiting the NEHS at CTSP



Strengthening Park Safety Governance and Disaster Response

Other core targets involved

Stakeholders involved :

Employees, Park Enterprises, Neighboring Communities
(Non-governmental Organizations and the Public), Suppliers

Core Goals 3 and 10



Implementation content and promotion results

1 Building a Safe and Healthy Park

To construct a safe, healthy, and resilient park environment, the CTSP Bureau continuously promotes occupational safety and health awareness, counseling, and labor inspections, while combining single-window services, pre-job safety assessments, and information technology to elevate worker health services and labor inspection efficiency. Concurrently, the Bureau integrates disaster prevention, public security, and traffic safety resources, expanding park-wide participation to develop toward a healthy, safe, and smart park.

Regarding the two work-related fatalities that occurred between 2024 and 2025, the CTSP Bureau conducted occupational disaster investigations and supervised improvements in accordance with the law. Furthermore, the Bureau expanded its promotional efforts toward park manufacturers, requiring them to review similar risks and implement preventive measures to ensure such disasters do not recur.

The CTSP Bureau continuously utilizes a three-pronged approach consisting of labor inspections, counseling, and awareness campaigns to reinforce occupational safety and health management within the park.

In 2024, the Bureau conducted 695 sessions of labor supervisory inspections and 12 sessions of occupational safety, health, and disaster prevention seminars. In 2025, it conducted 747 sessions of labor supervisory inspections and 13 sessions of seminars, assisting manufacturers in implementing hazard identification, risk assessment, and preventive measures.

To address common accident risks such as mechanical cutting, trapping, and entanglement, specialized seminars were also organized to help manufacturers review equipment safeguarding and operating procedures through case studies and experience sharing, thereby reducing the risk of occupational disasters. Furthermore, the annual "Disaster Prevention Response and Occupational Safety and Health Seminar" is held, focusing on topics such as AI safety and health applications, international risk management trends, sustainable workplace health, and SDGs. Through occupational safety and health promotion organizations and corporate "family" mentoring mechanisms, large enterprises are encouraged to lead small and medium-sized enterprises to jointly strengthen regulatory compliance, risk prevention, and emergency response capabilities, deepening the safety culture across the park.

In terms of disaster resilience, the CTSP Bureau focuses on disaster mitigation, emergency response, and recovery as its main pillars. It supervises manufacturers in implementing earthquake-resistant and seismic-damping designs for buildings and machinery, establishing emergency response and notification mechanisms, and reinforcing flood control drainage, detention basin regulation, and public facility inspections. In the face of major disaster events between 2024 and 2025, including the powerful earthquakes off the coast of Hualien and Typhoons Gaemi and Kong-rey, the Bureau immediately activated its emergency response mechanisms, completing manufacturer notifications, public facility inventories, and critical system inspections. With existing disaster prevention facilities operating effectively, no major casualties or damage occurred within the park, and utilities and operations remained normal, demonstrating excellent disaster preparedness and adaptive resilience.

In the face of traffic safety and joint security defense, the CTSP Bureau has installed fixed speed cameras for peak traffic flows and speeding-prone road sections in the park, and coordinates with the police to conduct unscheduled crackdowns and traffic redirection at accident-prone intersections and road stretches, reducing the risk of major accidents. The park also hosts joint security defense forums, inviting the Bureau, manufacturers, and police authorities to exchange views on security, traffic, and fraud prevention topics, while organizing promotional courses in alignment with Traffic Safety Month to reinforce road users' safety awareness. As of September 2025, there were 353 traffic accidents in the park, resulting in 2 fatalities and 208 injuries. The primary causes included failure to maintain a safe distance, improper turning against traffic signals, and failure to yield when turning at intersections. Moving forward, the Bureau will continue to create a safe and orderly transportation environment through technology-based law enforcement, awareness campaigns, and traffic control duties.



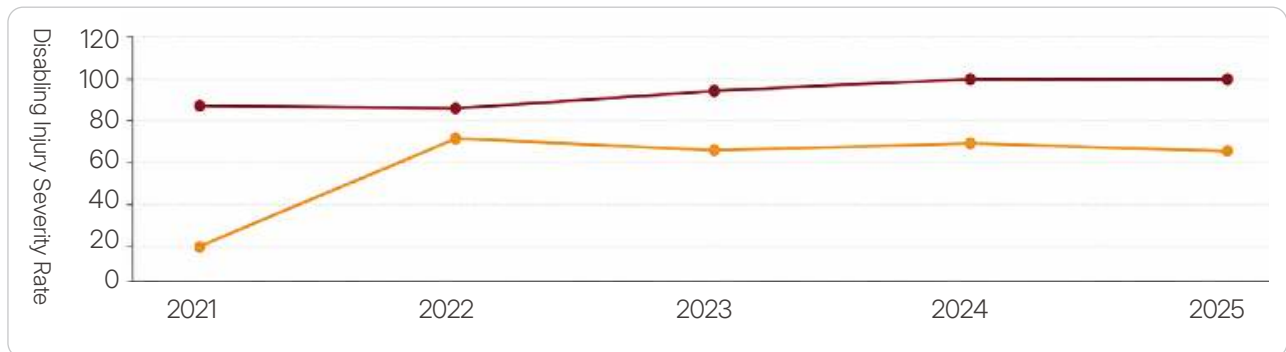
Forum on Private Enterprise Related Organizations and Joint Security Defense in the Park



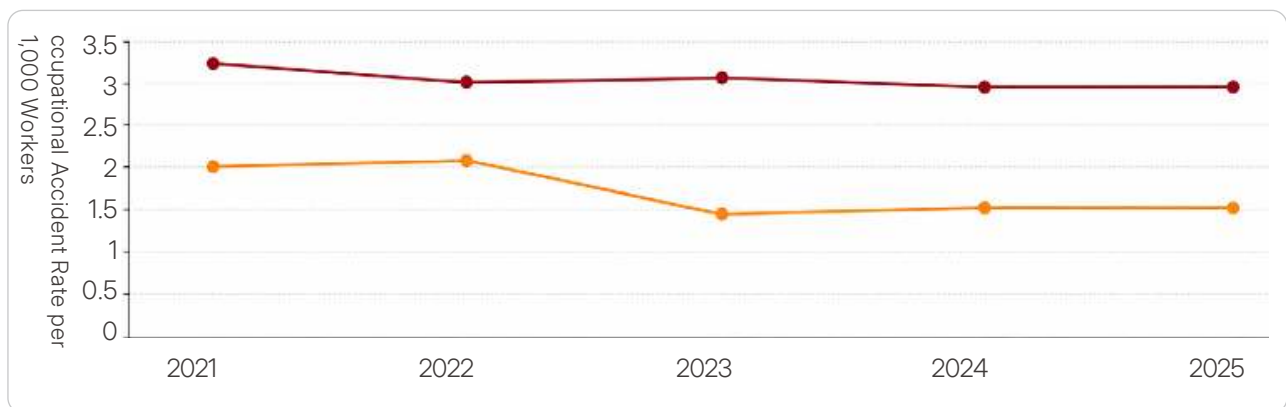
Labor Health and Safety Conditions in CTSP (2024-2025)

-	Occupational Injury Rate per Thousand Workers	Disabling Injury Frequency Rate (FR)	Disabling Injury Severity Rate (SR)
2024	1.52	0.89	69
2025	1.51	0.84	65

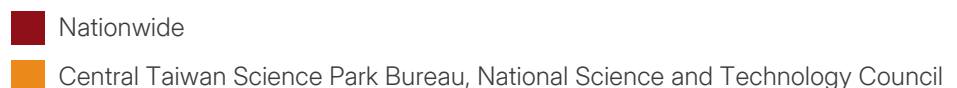
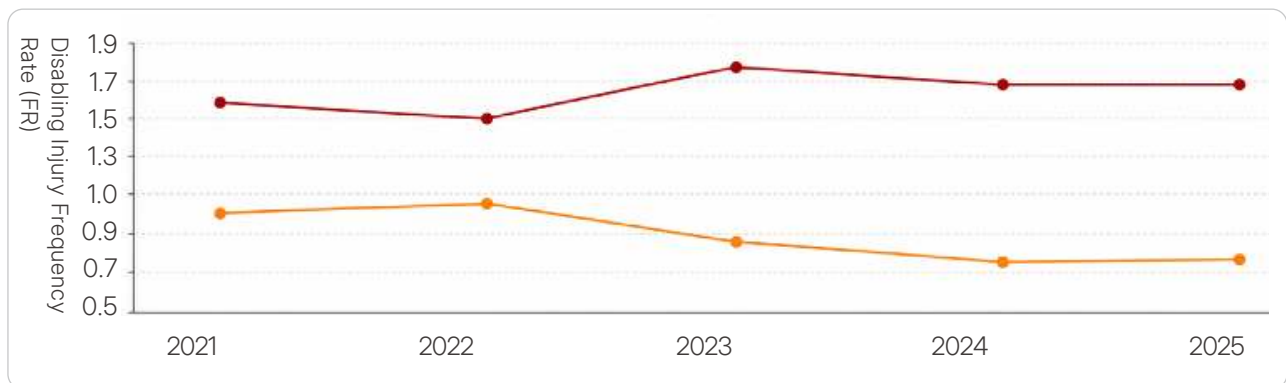
Comparison of Occupational Injury Severity Rates



Occupational Injury Rate per Thousand Workers



Comparison of Disabling Injury Frequency Rates : CTSP vs. Nationwide



Notes :

- ① National Data Source : Calculated based on the Occupational Disaster Status of Business Units Designated to File Occupational Disaster Statistics from the Labor Statistics Query Network.
- ② Data Calculation : Includes fatalities from major occupational disasters in the construction industry.



Implementation Status of Occupational Safety and Health from 2024 to 2025

Activities related to Occupational Safety and Health	2024	2025
Project Counselling Plan	60 plans	60 plans
Laws and Regulations Training and Briefings	12 sessions	13 sessions
Workplace Safety Performance Unit and Health Promotion Visits	1 session	1 session
Occupational Safety and Health Seminars	1 session	1 session
Labor Supervision and Inspection Plans	16 items	16 items
Labor Supervision and Inspections	695 sessions	747 sessions
Violation of Occupational Safety and Health Act	65 acts	55 acts
Work suspensions	18 occurrences	14 occurrences

Relevant implementation of labor laws (including gender equality work law) from 2024 to 2025

Activities related to labor laws and regulations (including gender equality work law)	2024	2025
Laws and Regulations Training and Briefings	5 sessions	4 sessions
Inspections of working conditions (including gender equality)	86 sessions	105 sessions
Friendly workplace visit	1 session	1 session



"Smart Multi-Functional Traffic Violation Technology Enforcement Equipment" at the Intersection of Dongda Road and Zhongke Road



disaster prevention and response center



Smart Multi-Functional Traffic Violation Technology Enforcement Equipment" at the Intersection of Dongda Road and Zhongke Road





2 From Source Management to Practical Drills

The CTSP Bureau continuously strengthens the management of chemicals, hazardous materials, and disaster response within the park, helping manufacturers improve compliance through regulatory awareness campaigns, practical seminars, and on-site counseling. In 2024 and 2025, the Bureau organized seminars on the latest regulations and reporting practices for factory hazardous materials, respectively. These sessions detailed the scope of hazardous materials, regulatory thresholds, reporting workflows, public liability insurance, disaster case studies, and emergency notification SOPs, thereby assisting manufacturers in clarifying legal requirements and mitigating disaster risks. Concurrently, business units are required to regularly update their chemical inventories, quantities, and layout maps, placing them in locations easily accessible to emergency rescue units to ensure rapid access to on-site information in the event of an incident.

In terms of disaster response, the Bureau organized park disaster prevention and toxic/ concerned chemical substance disaster response drills in 2024 and 2025, respectively. These drills integrated operations such as personnel evacuation, firefighting rescue, chemical disaster management, medical triage, emergency communications, and resource dispatch, effectively enhancing collaborative efficiency between business units and competent authorities. Looking ahead, the Bureau will continuously refine AI disaster prevention equipment, counter-drone measures, disaster notification systems, information integration, and post-disaster recovery workflows, thereby elevating the overall disaster resilience of the park and safeguarding park enterprises and nearby residents.



2025 Drill : Park Security Police Force Neutralizing a Drone
with a Jammer and Apprehending a Suspect



Toxic and Concerned Chemical Substance Disaster Prevention and Response Drill



Intensive planning

The CTSP Bureau is dedicated to creating a safe, healthy, and internationally competitive investment and employment environment. On one hand, it consistently drives steady growth in park output value and talent quality by strengthening innovative R&D momentum and linking with colleges, universities, and research institutions in central Taiwan. On the other hand, in line with trends in labor-rights awareness and sustainable governance, it incorporates occupational safety, human rights protection, education and training, and physical and mental health care into the core of park governance.

Moving forward, the Bureau will continuously refine employee assistance and care measures, strengthening the integration and utilization of the Employee Assistance Center with professional resources in counseling, law, and financial planning. Furthermore, these efforts will be extended to build a healthy and happy CTSP through expanded labor recreation and health promotion activities, including road races and sports competitions, environmental education, and community exchanges. This aims to deepen the connection between park workers, their families, and the local community, ultimately shaping a happy workplace and a livable park.



Core Goals 11



Construct cities and villages with inclusive, safe, resilient and sustainable characteristics

Corres ponding to specific goals	
11.2	Provide a safe, affordable, accessible and sustainable transportation system for all. Including improving road safety, expanding public transport and meeting the transport needs of the disabled, the elderly, women and children.
Core goal approach (2024-2025 performance)	
● The number of CTSP tour bus services in 2024 is 93,225 and 93,982 in 2025. ● The number of shuttle bus service in Huwei Park was 6,287 in 2024 and 7,868 in 2025. ● The proportion of traffic accidents was 57.14% before the establishment of the "Pilot Plan of Smart Road Safety System in Science Park" (2019), and it decreased after the establishment, reaching 23% in 2024 and 12.5% in 2025.	
Customized tracking indicators (customized short, medium and long-term goals)	
Short-term goals (2026~2027) ● The number of CTSP tour bus services exceeds 90,000 every year. ● The number of shuttle buses in Huwei Park exceeds 5,000 every year. ● The Trial Plan of Smart Road Safety System in Science Park will be improved as needed. Medium and long-term goals (2030) ● The number of CTSP tour bus services exceeds 95,000 every year. ● The number of shuttle buses in Huwei Park exceeds 6,000 every year.	
Unit	
Planning and con struction section	

Corresponding to specific goals

11.3

Construct and implement the planning and management of cities and villages with public participation, social inclusion and sustainable development.

Core goal approach (2024-2025 performance)

- Handled the "All People Coastal Beach and sustainable development. 90 Cleaning Activities for Environmental Protection Homes", and cleaned up 870 kilograms of garbage in 2024 and 750 kilograms in 2025.
- Organized 10 meetings of "Environmental Protection Monitoring Group" of Central Taiwan Science Park Taichung Park, Houli Park (Houli Base and Qixin Base) and Erlin Park in 2024 and 2025 respectively.
- Conducted 7 publicity sessions of "Strengthening Neighborhoods, Health Care Plan", with a total of 138 telephone interviews and 129 health checks.

Customized tracking indicators (customized short, medium and long-term goals)

Short-term goals (2026~2027)

- Handle the "Clean Beach Activities for All People in Environmental Protection Homes" and clean up 500 kilograms of garbage.
- Handled 10 meetings of Central Taiwan Science Park Taichung Park, Houli Park (Houli Base and Qixin Base) and Erlin Park "Environmental Protection Supervision Team".
- Conducting high-level health examinations for 120 participants in Da'an District and 480 participants in Houli District, totaling 1,200 resident health examinations over 2 years. This includes 3,300 follow-up telephone interviews and epidemiological environmental exposure questionnaires covering 1,200 person-times.

Medium and long-term goals (2030)

- Handle the "Clean Beach Activities for All People in Environmental Protection Homes" and clean up 500 kilograms of garbage in 2030.
- Handle 10 meetings of Central Taiwan Science Park Taichung Park, Houli Park (Houli Base and Qixin Base) and Erlin Park "Environmental Protection Supervision Team".
- Every year, 6 publicity meetings, 2,400 telephone interviews and 1,200 health checks of "Strengthening Neighborhoods, Healthcare Plan" are held.

Unit

Environment protection section



Corres ponding to specific goals	
11.12	Improve the energy saving and carbon reduction benefits of buildings.
Core goal approach (2024-2025 performance)	
● As of 2025, 52 buildings have obtained the Green Building Label, 3 diamond-level smart building, 1 diamond level ecological community and 6 have obtained the green factory label of the Ministry of Economic Affairs.	
Customized tracking indicators (customized short, medium and long-term goals)	
Short-term goals (2026~2027)	
● In coordination with the development project of public buildings in the park and the progress of building factories by the stationed manufacturers, it is estimated that one building with green building label or above will be obtained.	
Medium and long-term goals (2030)	
● If the construction cost of public buildings is more than 50 million, green building signs should be obtained according to the regulations. It is estimated that there are 3 buildings with green building labels or above.	
● Continue to promote manufacturers to obtain green building label certification.	
Unit	
Planning and con struction section	





Challenges / opportunities faced

Since its inception, the CTSP has consistently balanced economic development, social harmony, and environmental protection. In the face of critical concerns brought about by park expansion and industrial cluster growth — such as traffic, noise, environmental load, and the quality of life in surrounding areas — the CTSP Bureau operates under the prerequisites of openness, transparency, and local communication. Through public feedback channels, cross-agency coordination, and continuous tracking and monitoring mechanisms, the Bureau rollingly reviews and strengthens friendly facilities and environmental governance actions across all parks.

Concurrently, by combining park enterprises with local resources, the Bureau has introduced diverse living amenities and services, planning activities and functional facilities that span food, clothing, housing, transportation, education, and recreation. Furthermore, through good-neighbor initiatives such as opening up green and landscaped spaces, advocating for circular economy and waste reduction, organizing community cleanups, and hosting beach cleanups, the Bureau expands public participation and sustainability awareness. It continuously moves toward the goal of a sustainable park where production, living, ecology, and life thrive together, forging a park environment that boasts both industrial competitiveness, a livable lifestyle circle, and ecological resilience.





Specific actions and promotion highlights

Building a Smart Service System

Other core targets involved

Stakeholders involved :

Employees, Park Enterprises, Neighboring Communities(Non-governmental Organizations and the Public), Business Services

Core Goals 3 and 9



Implementation content and promotion results

1 Intelligent transportation system

The CTSP has successfully driven the construction of the high-tech industrial cluster in central Taiwan, resulting in high frequencies of park personnel commuting and business visits, which generates an immense volume of incoming and outgoing traffic.

To mitigate traffic accident risks and shorten commuting times, the Bureau has developed an intelligent transportation system within the park. This system utilizes ICT technology to integrate traffic control, public transit, and parking lot information, providing dynamic, real-time updates — such as live road conditions, bus schedules, and parking availability — via the CTSP Convenient Traffic Information Network. These efforts enhance both the convenience and safety of transportation for park employees and related businesses during their commutes and official visits.

To optimize the passenger waiting experience and increase the willingness to use public transit, the Bureau has installed smart bus signs at five bus shelters in the Taichung Park as well as at the CTSP Transit Station. These smart signs feature LED electronic displays that show real-time estimated arrival times, and LCD screens that provide daily lifestyle information such as weather forecasts and park announcements.



Bus Shelters Equipped with Passenger Service Lights

Concurrently, they offer free Wi-Fi and integrate with the Taichung City Bus Shelter Service Light System to create a safe, smart, and comfortable waiting environment, thereby reducing the uncertainty of waiting and encouraging the public to shift toward public transportation. In addition, the Taichung Bus App has been upgraded to "Taichung Go," allowing users to check real-time dynamics for both city buses and park shuttle buses. CTSP-related traffic information can also be accessed on the CTSP Convenient Traffic Information Network via the official CTSP Bureau website.

Full Opening of CTSP Erlin Avenue Perfects the Park's Overall Road Network

In coordination with the surface section of the National Highway No. 76 Extension Project, the western section of CTSP Erlin Avenue in the Erlin Park was opened to traffic ahead of schedule on January 27, 2024. Following its opening, commuters can connect westward to Provincial Highway No. 61 and northward to County Highway No. 148 via the surface section of National Highway No. 76. This effectively boosts the park's external transport efficiency, saving travel time for manufacturers and personnel while optimizing overall traffic flow.



Schematic Diagram of the Western
Section of CTSP Erlin Avenue

Furthermore, in addition to serving as a vital arterial road for the park, the western section of Erlin Avenue features power conduits and drainage box culverts buried beneath the roadway. These serve as crucial infrastructure for the subsequent undergrounding of high-voltage power towers, the reinforcement of flood control and drainage within the park, and the advancement of green energy development in Taiwan.



2 Industrial and commercial service facilities

To strengthen business services and lifestyle amenities within the park, the CTSP Bureau has planned commercial service spaces and convenient measures across all its parks. In addition to introducing branches for financial institutions, postal services, medical care, employment services, and convenience stores, the Bureau integrates information on dining, transportation, and surrounding merchants through a lifestyle services platform website, delivering a one-stop, O2O (online-to-offline) service experience. The Bureau continuously refines relevant facilities and services — spanning administrative applications, customs logistics, transit shuttles, innovation incubation, and on-site guidance — to forge a high-quality park environment that offers both work convenience and comprehensive lifestyle amenities. Key developments are outlined below :

Administrative Support for Investment and Operations



One-Stop Express Commercial Registration Service

Providing one-stop services across all parks for company registration, factory registration, chattel chattel-mortgage registration, employment permits for foreign professionals, and online filing of annual financial statements; this streamlines application processes and shortens approval times, significantly enhancing convenience for manufacturers during investment, factory setup, and daily operations.

Erlin Science Park Administration & Service Building

Officially inaugurated on July 2, 2025, the facility is garrisoned by the Erlin Detachment of the Second Special Police Corps, providing park administrative services and security maintenance support to reinforce reassurance for manufacturers during their move-in and daily operations.

Concurrently, starting from July 2025, the Yuanlin Employment Center of the Workforce Development Agency (Changhua-Nantou Regional Branch, Ministry of Labor) has established a fixed-point on-site service at the Erlin Park Service Center (every Tuesday). By introducing employment matchmaking and labor service resources, this initiative enhances recruitment convenience for manufacturers and the accessibility of local employment services, thereby perfecting the capacity for one-stop operational support.

Streamlining Customs Clearance and Logistics Efficiency



Single-Window Customs Clearance System

Providing a 24 / 7 / 365 single-window customs clearance system within the CTSP that integrates licensing, warehousing/shipping, and customs declaration into a unified platform. Seamlessly connecting with the national Customs-Port-Trade (CPT) Single Window, the system continuously refines licensing reviews and system efficiency, strengthens statistical queries, and bolsters information security, thereby helping manufacturers swiftly track the clearance status of their import and export goods.

The CTSP Bureau and the International Trade Administration of the Ministry of Economic Affairs jointly held the "2025 Global Economic and Trade Trends" Forum on March 11, 2025, inviting Dr. Chien-Yi Chang, President of the Taiwan Institute of Economic Research, to analyze the international situation and future directions.

The Forum highlighted that while risks such as the U.S. tariff trade wars, fiscal deficits, monetary tightening, conflicts in the Middle East, a weakening Chinese economy, extreme weather, and the impact of AI on employment are closely intertwined, the global economy as a whole is still performing better than in 2024. Furthermore, because approximately 65% of Taiwan's exports consist of information and communication technology (ICT) products — most of which are subject to low or zero tariffs — the direct impact from new tariffs remains relatively limited. However, traditional industries such as automotive, steel, and agricultural products face heavier pressures.



2025 Global Economic and Trade Trends Briefing

Through this briefing, the Bureau aimed to assist manufacturers in grasping economic pulses so they can adjust their business layouts early and boost operational efficiency.



Optimization of Transportation and Parking Services



Public-Private Partnership for the Construction of Multi-Story Parking Garages

Partnering with park enterprises to develop the existing surface parking lot in the Houli Park into a multi-story parking garage, this project provides a larger, safer, and more comfortable parking space for park personnel and local residents. Additionally, the development plans to incorporate multi-purpose functions — such as exhibition, cultural, or recreational spaces — to maximize land-use efficiency and elevate lifestyle amenities.



Micron Multi-Story Parking Garage in the Houli Park

CTSP Shuttle Bus Service Upgrade

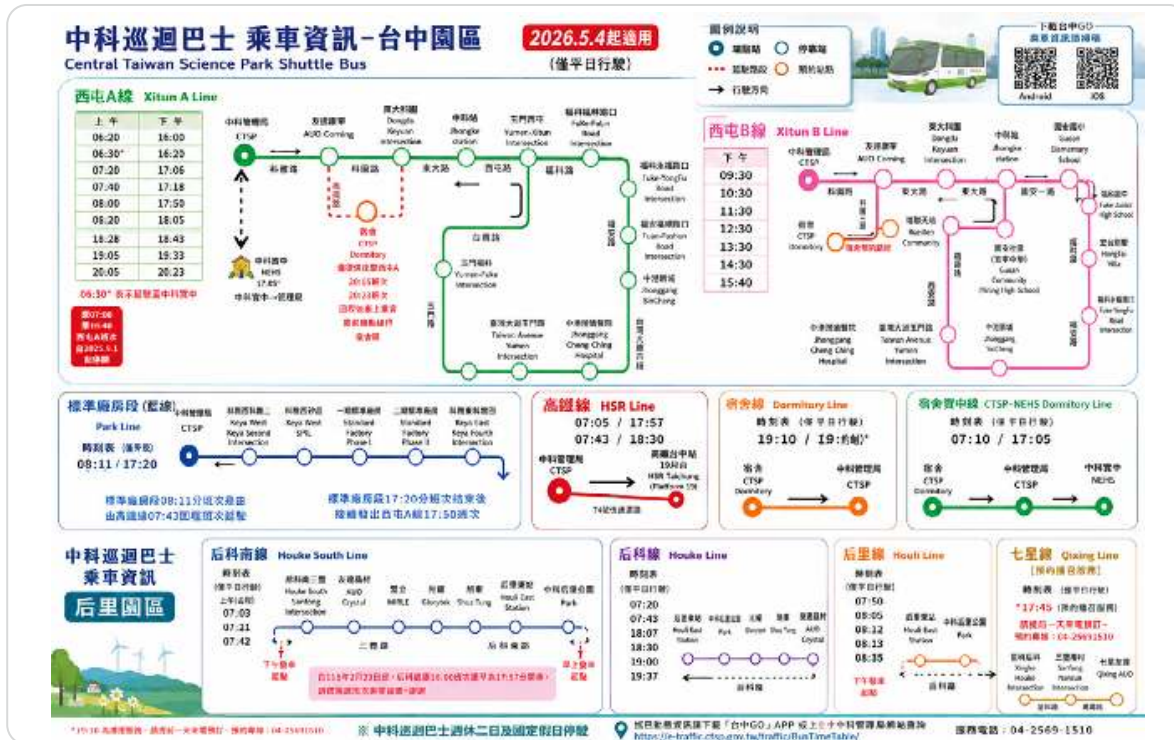
Establishing the CTSP Volunteer Team and setting up an "i-Volunteer" service desk in the Administration Building to provide consultation and routing guidance for visitors, while supporting book organization, delegation reception, and large-scale event services, thereby enhancing the agency's overall service capacity and friendly image through systematic training and feedback mechanisms.

The CTSP Shuttle Bus service continues to create a more convenient and welcoming public-transportation environment across its parks. Tailored to the distinct characteristics of each park and the commuting needs of employees, multiple shuttle routes have been planned for both the Taichung and Houli Parks.

These routes seamlessly connect High Speed Rail (HSR) stations, dormitory areas, factory sites, local living circles, and vital transit hubs to provide diverse and flexible transfer options.

In addition to fixed-route scheduled services, the service has integrated an on-demand booking model and Demand Responsive Transit System (DRTS) Service to maximize transport coverage and boarding convenience.

Optimization of Transportation and Parking Services



CTSP Shuttle Bus Boarding Information

In addition to providing complimentary rides, the CTSP Shuttle Bus service continuously elevates its service quality by optimizing stop placements, improving transfer efficiency between shifts, integrating real-time dynamic arrival information, and transitioning to an electrified fleet to deliver a safe, comfortable, and low-carbon commuting experience.



Inauguration Ceremony for the Electric Shuttle Buses

Through this comprehensive shuttle network, CTSP steadily advances toward its goals of a smart park and sustainable transportation, ensuring that every employee in the park enjoys higher-quality transit services.



Taichung Real-Time Bus Information System





Optimization of Transportation and Parking Services



Demand Responsive EV Shuttle Service

To enhance transportation services and public transit quality in Huwei Park, a Demand Responsive Transit System (DRTS) was introduced in June 2024, utilizing Tesla Model X electric vehicles for park shuttles.

Passengers can book rides via phone or messaging apps. By adopting a ride-sharing model, route and departure schedules are flexibly adjusted to provide door-to-door transportation, effectively bridging the "last mile" of commute while improving public transit efficiency.



Furthermore, the electric vehicles are equipped with digital side mirrors and collision alert systems, ensuring both safety and passenger comfort while aligning with the park's carbon reduction and green transportation goals.

YouBike

The "last mile" from transit hubs to final destinations, such as workplaces and residences, is often the critical factor determining public transit usage. To enhance public transportation convenience within the park, CTSP has collaborated closely with local governments to install public bike-sharing stations.

By seamlessly connecting residential areas, employment zones, and transit hubs, CTSP is building a more resilient, low-carbon, and green transportation network.

Optimization of Transportation and Parking Services



Three YouBike stations were set up in the **Taichung Park**, located adjacent to the CTSP Bureau Bus Transit Station, standard factory buildings, and corporate headquarters.

Three stations were progressively established in the **Houli Park**, positioned near factory perimeters and parking lots.



2026 : Five MOOVO stations were set up in the **Huwei Park**, combining locations at public parking lots and factory perimeters, with operations scheduled to launch in January 2026.





Innovative Service Arenas and Talent Cultivation



CTSP Digital Innovation Center

Building upon the achievements of the Forward-Looking Infrastructure's "Smart Robot Innovative Self-Maker Base" and aligned with the core axis of "Constructing Next-Generation Scientific Research and Smart Learning Environments," this initiative integrates resources across talent cultivation, industrial upgrading, supply-chain integration, and incubation acceleration to transform the venue into the CTSP Digital Innovation Center, attracting emerging technology firms specializing in smart digital technologies, net-zero carbon emissions, and green energy solutions to establish operations, including TCHAR CO., Ltd., Reisender TECH Ltd., Retech Environmental Solutions Co., Ltd., Ting Fu Co., Ltd., Golden Artisan Technology Industrial Co., Ltd., Feng Chiun Technology Co., Ltd. and Machsync Co., Ltd.

From 2024 to 2025, 55 sessions of STEAM education and hands-on experience activities were organized in collaboration with surrounding schools, attracting over 1,000 participants, and 4 successful cases of prototype development or commercial matchmaking were completed through tailored guidance for digitally-driven manufacturers, successfully fostering co-creation to unleash multifunctional potential and demonstrate a shared commitment to ESG principles.



TCHAR introduced the "Formosan Salamander" carbon-negative facility

Visitor Guidance and Friendly Services



CTSP Volunteer Team i-Volunteer Service Counter

Establishing the CTSP Volunteer Team and setting up an "i-Volunteer" service desk in the Administration Building to provide consultation and routing guidance for visitors, while supporting book organization, delegation reception, and large-scale event services, thereby enhancing the agency's overall service capacity and friendly image through systematic training and feedback mechanisms.

3 Business Services and Park Networking

The CTSP Bureau continuously strengthens vendor support and administrative collaboration through business services and cross-agency exchanges. On September 26, 2024, the 2024 Business Services Operation Observation and Seminar was held at the Zhongxing Park, inviting representatives from customs, national taxation, finance, accounting, law, medical care, and employment sectors to participate and using seminars, presentations, and field visits to understand vendor needs and improve service quality through seminars, keynote sharing, and field visits; on November 27, 2025, the 2025 Business Services Operation Observation and Seminar was held at DATA SYSTEMS CO., Ltd., in the Taichung Software Park, focusing on digital transformation, AI, data applications, and 5G AIoT experiences to promote service innovation and cross-sector cooperation.

To assist park vendors in better understanding foreign-trade customs clearance and bonded operations, the CTSP Bureau regularly organizes cross-agency business exchange seminars. On October 23, 2024, a seminar was held at the Ministry of Economic Affairs' Technology Industrial Park, hosted by Director-General Dr. Maw-Shin Hsu, bringing together the Taichung Customs, the Central Region National Taxation Bureau, the Park Association, and vendors for face-to-face exchanges, alongside a visit to TURVO to share experience in import and export, bonded operations, and production management; on October 17, 2025, a seminar was conducted at the Taichung Customs of the Ministry of Finance, combining business exchanges with lectures on customs clearance and bonded practices, which also featured visits to the Taichung Port Control Area and the Evergreen International Storage & Transport Taichung Port Container Terminal to help vendors understand customs workflows and enhance operational efficiency and professional capabilities.



Customs Clearance and Bonded Operations Exchange



Visiting the 5G AIoT Experience Base



Creating a Sustainable CTSP Living Zone

Other core targets involved

Stakeholders involved :

Employees, Park Enterprises, Neighboring
Communities(Non-governmental Organizations and the
Public), Government Agencies

Core Goals 14 and 15



Implementation content and promotion results

1 Good Neighbor Relations and Environmental Co-prosperity

The CTSP Bureau continuously focuses on park openness, community co-prosperity, and environmental sustainability, collaborating with park enterprises, local associations, and community residents to promote activities such as opening green and landscaped areas to the public, net-zero green living, community cleanups, and beach cleanups, deepening the connection between the park and the local community while guiding the public to practice waste reduction, plastic reduction, and low-carbon actions in their daily lives.

The Houli Park Cherry Blossom Park has been comprehensively planned by the CTSP Bureau since 2009, with park vendor Weili Machinery partnering to support its construction and maintenance, progressively developing it into a characteristic park that combines ecological landscapes, greening, and recreational functions. The park is planted with over 600 cherry blossom trees and over 500 large arbor trees, and is equipped with facilities such as ecological ponds, cherry blossom hills, scenic trails, and detention ponds, shaping a friendly and natural park landscape.

From February 22 to 23, 2025, the CTSP Bureau held the 2025 Spring Tour in CTSP—Green Arts and Cherry Blossom Music Festival, combining performances, interactive experiences, local organic agricultural products, biochar, and low-carbon product promotion, alongside giving away cherry blossom seedlings to convey the philosophy of net-zero green living and coexistence with nature.

In terms of community environment maintenance, the CTSP Bureau cooperated with the Kendi Village Community Development Association of Huwei Township, Yunlin County, to organize community cleanup activities. On June 6, 2024, and May 29, 2025, park vendors, local residents, and Bureau colleagues were invited to jointly clean up streets, green spaces, and the surrounding environment of the park, more than 50 participants taking part each year, demonstrating the collaborative power of the park and the community in safeguarding the environment.



Beach Cleanup Activity Site

In terms of marine conservation, responding to the Executive Yuan's "Salute to the Seas" policy, the CTSP Bureau collaborated with the Guike Community Development Association of Da'an District to conduct annual beach cleanups at the Da'an Guike Eco Park. On September 7, 2024, approximately 300 people participated, removing nearly 870 kilograms of coastal waste; on September 9, 2025, approximately 400 people participated, collecting nearly 750 kilograms of trash. Through sustained annual action, CTSP continuously promotes plastic reduction, environmental education, and marine conservation, realizing the sustainable goal of co-prosperity between the park and local communities.



Clean Community Activity



2 Environmental Protection Tracking and Supervision

In accordance with the Environmental Impact Assessment Act, the competent authority for the target industry is required to track development activities in progress or during use after completion. Therefore, the National Science and Technology Council established the Environmental Impact Assessment Tracking Committee for Science Park Development Activities, composed of expert scholars, park vendors, and agency representatives, which conducted 2 tracking meetings at this Bureau from 2024 to 2025.

Before development, all CTSP parks submit environmental impact assessment documents for review in accordance with the Environmental Impact Assessment Act, and actively communicate with all sectors by holding environmental impact assessment briefings according to procedures. Upon passing the review, implementation strictly follows the assessment documents and committed items. The Taichung, Houli, and Erlin parks have each established an environmental protection supervision committee based on the environmental protection supervision establishment guidelines. The Taichung Park committee includes a total of 28 external members, consisting of 5 expert scholars in fields such as environmental engineering, soil and water conservation, and health risk, 5 non-governmental organization representatives, 16 local village chiefs, 1 local competent authority representative, and 1 vendor representative. The Houli Park committee includes a total of 20 external members, consisting of 7 expert scholars in fields such as environmental engineering, soil and water conservation, environmental safety, and public health, 7 district and village chiefs from the park area, 4 additionally appointed members, 1 local competent authority representative, and 1 vendor representative.

The Erlin Park committee includes a total of 14 external members, consisting of 5 expert scholars in fields such as environmental engineering, soil, land administration, and environmental safety, 5 non-governmental organization representatives, and 4 representatives from relevant agencies and units, thereby enhancing the broad participation of environmental supervision and regularly holding supervision meetings to continuously track park development status.



NSTC EIA tracking team meeting-
Houli Park Site Inspection

2024~2025 TSP Development plan environmental assessment review, tracking and supervision meeting handling situation

Organizer	Category	Conference Name	Sessions
Environmental Protection Agency	EIA supervision	On-site inspection of environmental impact assessment and supervision of the environmental impact specifications of each Park's development plan	1
	On-site inspection		
Ministry of Science and Technology	Environmental Assessment Tracking	Environmental Impact Assessment Tracking Group for the Development of Science Parks of the Ministry of Science and Technology meeting	2
CTSP Bureau	EIA supervision	Central Taiwan Science Park Taichung Park Environmental Protection Supervision Group meeting	8
	EIA supervision	Central Taiwan Science Park Houli Park (Houli Base and Chising Base) Environmental Protection Supervision Group meeting	8
	EIA supervision	Central Taiwan Science Park Erlin Park Environmental Protection Supervision Group meeting	4
Total			23



Deepening Environmental Sustainability Actions

Other core targets involved

Stakeholders involved :

Employees, Park Enterprises, Neighboring
Communities(Non-governmental Organizations and the
Public), Government Agencies

Core Goals 4 and 15



Implementation content and promotion results

1 Ecological rehabilitation project

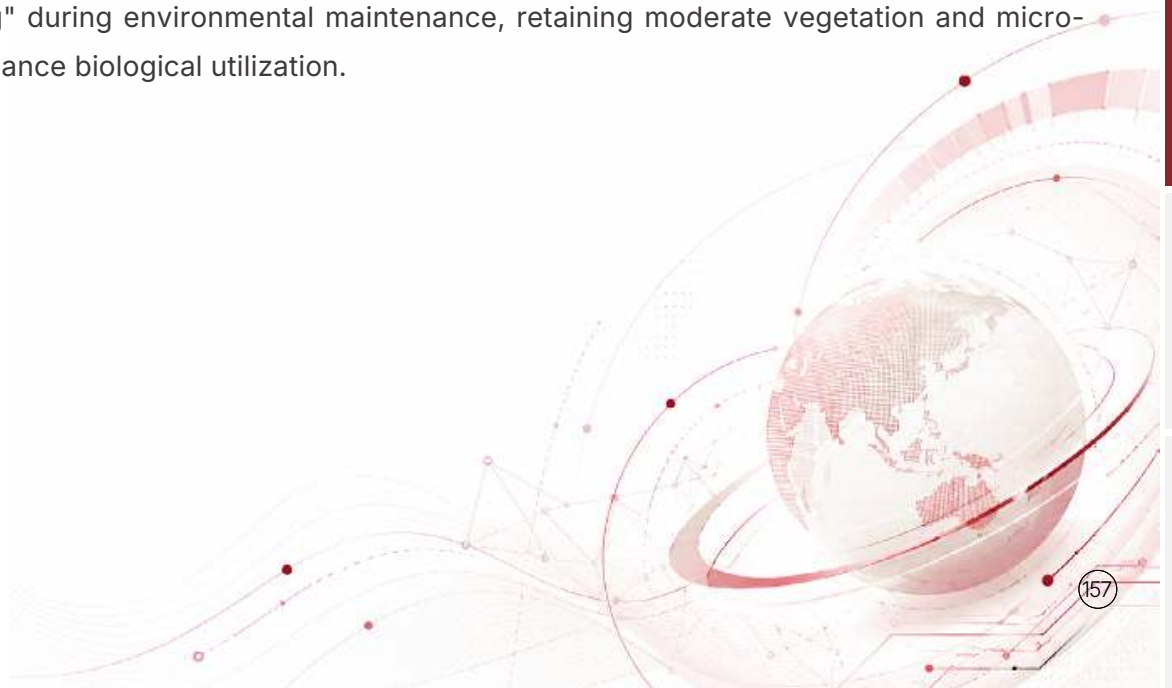
CTSP and TSMC jointly applied for and passed the first "Conservation OECM" (Other Effective Area-Based Conservation Measures) certification by the Forestry and Nature Conservation Agency of the Ministry of Agriculture. This program is promoted by Taiwan in accordance with the Kunming-Montreal Global Biodiversity Framework. CTSP and TSMC have become the nation's very first science park and semiconductor fab to receive this certification, carrying profound milestone significance and demonstrating the concrete results of long-term public-private collaboration between CTSP and park enterprises to promote biodiversity conservation and sustainable development.

To promote park ecological construction and habitat maintenance, the Bureau and TSMC consulted ecological professionals and actively invested in ecological corridor interconnection projects, implementing multi-layered planting designs. In daily maintenance operations, friendly management measures such as zoned alternating weeding in drainage channels (half-and-half implementation) are adopted to maintain habitat function and ecological resilience. Concurrently, restoration efforts for rare native plants in the park, such as *Zanthoxylum avicennae* (dog pepper) and *Homalium cochinchinense*, continue to be advanced, dedicated to maintaining habitat integrity and biodiversity. Through long-term monitoring, observation recording, and simulation, purple crow butterflies have been documented passing through the park, and the area has become part of the activity range for various species, including the crested goshawk, Oriental honey buzzard, black-winged kite, Chinese goshawk, and leopard cat, representing the continuous improvement of the park's ecological environmental quality.

Park vendors have also actively responded to conservation actions. Notably, the greenbelt space of Taiwan Semiconductor Manufacturing Company's (TSMC) Fab 15A simultaneously passed this certification, becoming the pioneering case of a domestic semiconductor manufacturing facility achieving this recognition, and successfully restored the protected fish species, the **Barbour's minnow** (*Metzia bounthobae* / *Acanthobrama liolepis*), demonstrating concrete results of enterprise-driven co-prosperity between production and ecology. Additionally, during the maintenance of the park's green spaces, the Bureau worked in close collaboration with park vendors on certification applications and ecological management operations to jointly elevate the overall ecological quality of the park.

2 Maintain an eco-friendly environment

The CTSP Bureau continuously upholds the philosophy of "Co-prosperity of the Four Lives", utilizing green infrastructure such as detention ponds, parks and green spaces, greenbelt forest structures, roadside plantings, and drainage systems to create diverse habitats interwoven with water bodies, forest belts, and green corridors. These areas provide foraging, roosting, and seasonal utilization spaces for birds, insects, and other wildlife. In recent years, staff members have also utilized tools such as binoculars, cameras, and the eBird App to conduct daily observations and recordings across greenbelts and water bodies surrounding the Bureau, micro-habitats near the Police Brigade Building, green corridors along roads of major neighboring factories, and the Hengshan Detention Park, progressively mastering the park's biological utilization and seasonal changes. Observation results indicate that roadside trees and factory tree belts attract bird and insect activities during their flowering and fruiting seasons, while drainage ditches and detention ponds provide critical water sources and foraging environments. Concurrently, these findings serve as a reminder that the park should avoid "over-cleaning" during environmental maintenance, retaining moderate vegetation and micro-habitats to enhance biological utilization.





In terms of engineering and operational management, the CTSP integrates eco-friendly concepts into disturbance reduction and safety designs. The expansion and renovation project of the park's wastewater treatment plant introduces eco-friendly construction methods featuring low noise and low dust to mitigate disturbances to birds and the surrounding environment, while incorporating green building standards, ecological friendliness, and bird-strike prevention measures into the design to enhance habitat safety. Concurrently, the park leverages enterprise resources to promote carbon-negative demonstrations, converting pruned branches and leaves into biochar to enrich the soil, thereby balancing resource recycling with carbon sequestration benefits, and demonstrating a management approach focused on "reducing disturbance, enhancing safety, and recycling to reduce carbon."

Furthermore, the CTSP Bureau strengthens its ecological governance capabilities through ecological checks and cross-unit exchanges. The Bureau participated in the "Ecological Check Mechanism Operational Principles and Case Sharing" seminar hosted by the National Science and Technology Council, exchanging ideas with approximately 40 participants, including park colleagues, consulting firms, construction contractors, and ecological survey vendors. The event focused on core concepts such as public participation, effective conservation, and information transparency, while utilizing strategies like avoidance, minimization, mitigation, and compensation to reduce the environmental impact of engineering projects. Notably, the CTSP Taichung Park received the Diamond-level Eco-Community Label in 2020, and the Bureau compiled the park's flora and fauna research into the publication *Science Park Where Butterflies, Dragonflies, and Birds Soar*, showcasing the concrete results of the park's long-term promotion of ecological co-prosperity and sustainable management.



● Ecological Observation Summary Around the Bureau Office

Habitat Site Locations | Opposite Central District Greenbelt

Habitat Characteristics

Forest Belt + Fruit Trees / Native Tree Species

→ Providing foraging and roosting resources



Representative Species

- **Endemic Species** : ive-color Bird, Black-naped Blue Flycatcher.
- **Common Resident Birds** : White-headed Bulbul, Green White-eye, Tree Magpie, Red-billed Black Bulbul, Golden-backed Dove, Big Scissors-tail, Red Dove, Spotted Neck Dove.
- **Winter Visitors** : Red-tailed Shrike, Yellow-tailed Redstart, Red-bellied Thrush, White-bellied Thrush, Spotted Thrush, Grey Wagtail, White-eyebrowed Thrush.
- **Water / Wetland Birds** : Yellow-headed Egret, Small White Egret, Green-headed Duck.
- **Exotic** : White-tailed Myna, Chestnut-tailed Starling, Magpie Robin, White-rumped Shama.
- **Others** : Small Woodpecker, White Wagtail, Swinhoe's White-eye.



Ecological Indicators

- **Seasonal Utilization** : Arrival of winter avian visitors demonstrates the greenbelt's functional role as a seasonal habitat.
- **Invasive Species Management Focus** : Consistent presence of invasive species serves as a key focus area for future eco-friendly management and educational outreach.
- **Conservation / Key Species Signal** : Documented records of the protected Crested Myna (*Acridotheres cristatellus*) reflect the habitat's capacity for ecological support.
- **Habitat Foraging Capacity** : Fruit trees and native tree species provide abundant fruit and insect resources, supporting foraging activities across diverse species groups.



● Ecological Observation Summary Around the Bureau Office

Habitat Site Locations | Front Gate Half-Moon Pond

Habitat Characteristics

Shallow Water Zone + Food Chain Base (Fish / Turtles) :

**Provides a foundation for the aquatic food chain with fish and turtle populations.
Diverse Surrounding Plantings**



Representative Species

- **Waterbird Foraging Representative** : Large White Egret, Medium White Egret, Small White Egret
- **Predatory Behavior Observed** : Kingfisher
- **Appears After Water Level Drops** : Small Ring-necked Plover
- **Commonly Active Birds** : White Wagtail
- **Nocturnal Observations** : Night Heron, Grey Heron
- **Other Fun Records** : A domestic white mule duck once resided here long-term.



Ecological Indicators

- **Food Chain & Biological Resource Indicator** : Fish and aquatic resources in the pond support the foraging of ardeids (herons/egrets) and the predatory behavior of kingfishers.
- **Water Level Fluctuation Indicator** : Droughts and shallow water levels induce species succession and turnover.
- **Diurnal & Nocturnal Usage Differences** : The potential presence of distinct waterbird communities at night presents valuable opportunities for extended monitoring.
- **Eco-Friendly Internal Communication** : Employee observations and shared affection for resident wildlife (e.g., the domestic mule duck) foster an internal culture of environmental awareness.

● Ecological Observation Summary Around the Bureau Office

Habitat Site Locations | Rear Green Space and Circular Plaza Trail

Habitat Characteristics

Seasonal Fruiting + Canopy / Open Spaces

→ **Favorable for Foraging and Perching**



Representative Species

- **Fruit Tree Foraging Species** : White-headed Bulbul, Green White-eye, Red-billed Black Bulbul, White-tailed Myna, Five-color Bird
- **Common Active Birds** : Red Dove
- **Winter Visitors** : Yellow-tailed Redstart, Red-tailed Shrike, Thrush Family Birds
- **Raptors / Top Predators** : Crested Goshawk
- **Migrants / Passage Transits** : Crested Serpent Eagle, Honey Buzzard, Chinese Goshawk, Grey-faced Buzzard
- **Conservation Signals** : Protected Crested Myna



Ecological Indicators

- **Foraging Resource Indicator** : Fruiting trees attract bird flocks, highlighting plant-based ecological support.
- **Apex Predator Indicator** : Raptor sightings signify robust habitat structure and a functional food web.
- **Migration & Connectivity Indicator** : Diverse raptor visits demonstrate spatial connectivity with neighboring habitats.





● Ecological Observation Summary for Central Taiwan Science Park

Habitat Site Locations | Drainage Ditch and Woodland near the Security Police Building

Habitat Characteristics

Drainage Ditch → Provides water source & foraging grounds

Flowering Vegetation along Ditch Banks → Attracts local wildlife

Small Grove / Woodland → Provides breeding & perching habitats



Representative Species

- **Aquatic & Canal Taxa** : Kingfisher, Small White Egret, White Wagtail, Grey Wagtail, etc.
- **Grassland Foraging & Cover Taxa** : Scaly-breasted Munia, White-headed Bulbul, etc.
- **Winter Migrants** : Red-tailed Shrike
- **Woodland & Canopy Indicators** : Five-color Bird, Black-naped Blue Flycatcher (breeding records), Crested Goshawk
- **Other Ecological Observations** : Bluetail Skimmer, Crimson Dropwing, Chinese Striped Neck Turtle, Oriental Rat Snake, Madagascar Almond, Chinese Pistache, Golden Shower Tree, and other tree species



Ecological Indicators

- **Water Availability Indicator** : Ditches provide drinking and foraging conditions; the "where there is water, there are birds" pattern is clear.
- **Maintenance Balance** : Wildlife activity drops after weeding/clearing but recovers as vegetation regrows, demonstrating the potential to balance neatness with ecological needs.
- **Biodiversity Indicator** : In addition to birds, insects, reptiles, and aquatic organisms are observed, reflecting diverse habitat functions.
- **Extreme Weather Observation** : Biological behaviors were recorded even on the eve of typhoons, offering value for studying ecosystem resilience.

● Ecological Observation Summary for Central Taiwan Science Park

Habitat Site Locations | Surrounding Major Manufacturing Plants and Roadside Green Corridors

Habitat Characteristics

Planting Belts and Street Trees within Plant Grounds (such as Camphor Tree, Lemon-scented Gum, Chinese Tallow Tree, Taiwanese Photinia, Kapok Tree, Golden Trumpet Tree, etc.) → Form Green Corridors Accompanied by Drainage Ditches along Certain Road Sections



Representative Species

- **Common Year-round Species** : Five-color Bird, Tree Magpie, White-headed Bulbul, Green White-eye, Red-billed Black Bulbul, Red Dove, Spotted Neck Dove, White-tailed Myna, etc.
- **Winter Visitors** : Yellow-tailed Redstart, Red-bellied Thrush, White-bellied Thrush, etc.
- **Wetland / Water Connection (Intersection Drainage Ditch)** : Small White Egret, Green-headed Duck
- **Insects / Others** : Taiwan Long-tailed Moon Moth, Evening Brown Butterfly, Taiwan Giant Grasshopper, etc.
- **Aerial Activity** : Raptors occasionally seen flying overhead.



Ecological Indicators

- **Green Corridor Connectivity** : Plant planting belts + street trees + drainage ditches form moving and perching corridors.
- **Flowering / Fruiting Season Benefits** : The blooming seasons of Kapok and Photinia attract biological activity, reflecting the ecological benefits brought by vegetation diversity.
- **Maintenance Operation Balance** : Excessive tidiness may reduce utilization by birds and butterflies, suggesting the adoption of a more eco-friendly maintenance rhythm (retaining some grassy areas / buffer zones).



● Ecological Observation Summary for Central Taiwan Science Park

Habitat Site Locations | Hengshan Retention Park

Habitat Characteristics

Approximately 13.19 hectares, featuring retention pond waters, walking trails, native tree species (such as Luho Spiny Catkin-Yew, Pond Spice, Milky Mangrove, and Taitung Photinia), and a Soapberry Trail.



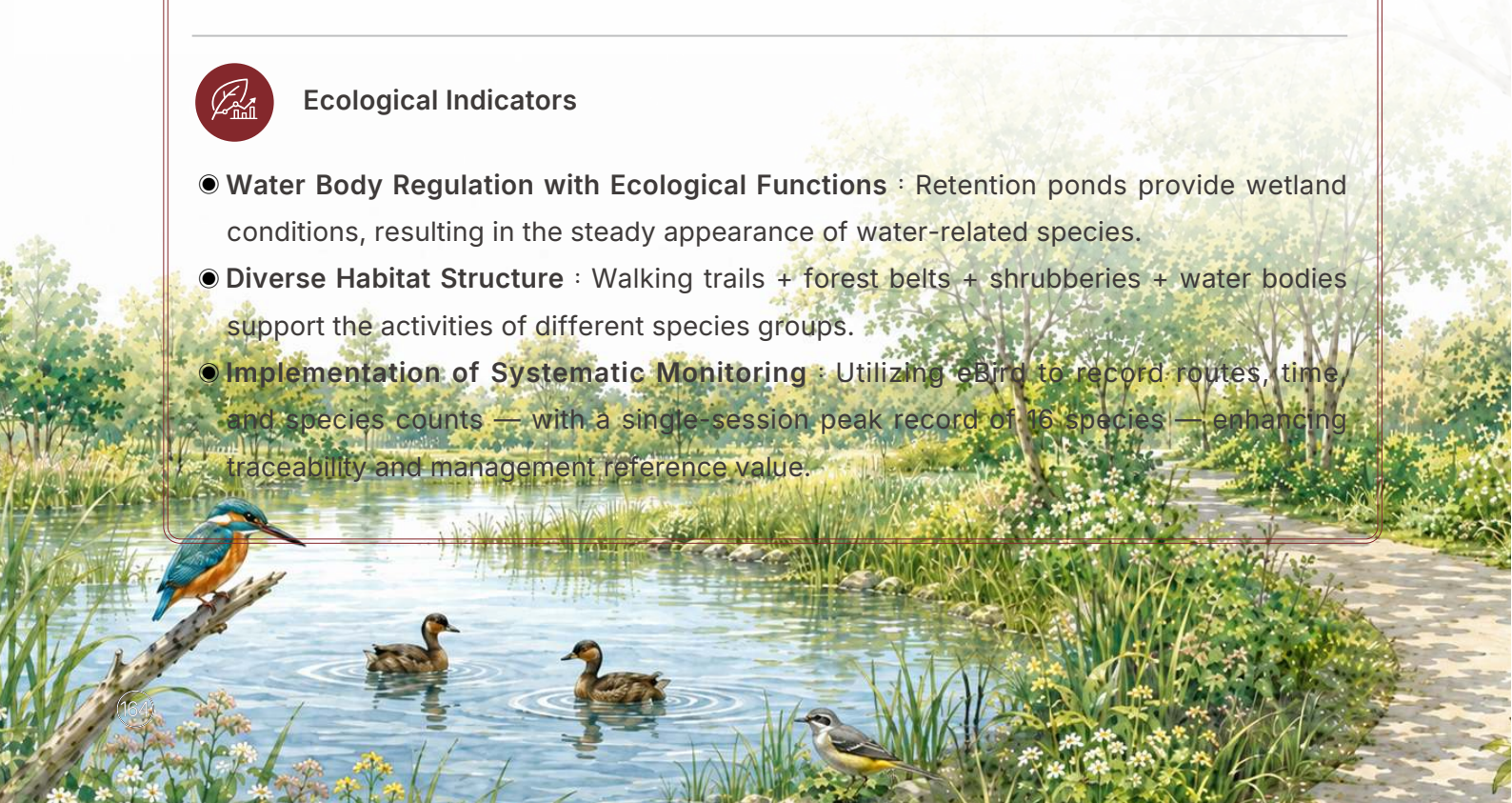
Representative Species

- **Common Year-round Species** : Sparrow, Red Dove, White-headed Bulbul, White-tailed Myna, Black Drongo, Swallow, House Swift, Pacific Swallow, etc.
- **Breeding / Utilization Signals** : Oriental Magpie nesting on high-voltage pylons.
- **Shrub Foraging Species** : Small Curved Beak, etc.
- **Water / Wetland Species** : Kingfisher (long-term resident), Little Grebe (winter and spring), Grey Wagtail, Small White Egret, etc.
- **Winter Visitors** : Yellow-tailed Redstart, Red-tailed Shrike.
- **Exotic Species Observations** : Chestnut-tailed Starling, Magpie Robin, etc.
- **Others** : Snake has been observed moving in the pond.



Ecological Indicators

- **Water Body Regulation with Ecological Functions** : Retention ponds provide wetland conditions, resulting in the steady appearance of water-related species.
- **Diverse Habitat Structure** : Walking trails + forest belts + shrubberies + water bodies support the activities of different species groups.
- **Implementation of Systematic Monitoring** : Utilizing eBird to record routes, time, and species counts — with a single-session peak record of 16 species — enhancing traceability and management reference value.



Ecological Observation Summary Around the Bureau Office



Long-tailed Shrike



Crested Goshawk



Red-billed Black Bulbul



Yellow-tailed Redstart



White-bellied Thrush



Tree Magpie

Bird Collision Prevention Window
Design ProjectGroup photo of the participants with Senior Specialist Huang
Ya-chuan from the Public Construction Commission (PCC)



3 Promote environmental education

The CTSP Bureau integrates resources from the public and private sectors, schools, and enterprises within the park, transforming sustainability topics such as water resource conservation, wastewater treatment, circular economy, renewable energy, green buildings, AI-driven intelligent wastewater treatment, soil carbon sinks, and net-zero carbon reduction into understandable, experiential, and actionable environmental education programs. Currently, all three CTSP wastewater treatment plants in the Taichung, Houli, and Huwei parks have obtained environmental education facility certification, forming an environmental education network with sites such as the AUO Taichung plant and the TSMC CTSP Eco-Park.

Through age-appropriate courses, guided tours, experimental operations, AR/VR experiences, interactive games, DIY hands-on workshops, and innovative teaching aids, school teachers and students, corporate groups, park employees, and the general public can understand the importance of environmental sustainability in both everyday and industrial contexts.



Group photo of the teachers and students from various schools
in front of the CTSP Digital Innovation Center

In terms of campus and international exchange, the CTSP Digital Innovation Center integrates resources from park enterprises to promote sustainability education, introducing concepts of net-zero circularity and soil carbon sinks to assist high school teachers and students in planning concrete environmental action plans based on the SDGs. On March 6, 2024, teachers and students from Wen-Hua Senior High School's SDG elective course visited the center to learn about biochar, the EBC Sink Pioneers Alliance, and related sustainability applications, planning their own biochar application schemes through group discussions.

On October 30, 2024, civics and geographic research methodology students from the Central Taiwan Science Park Experimental High School also visited the site, brainstorming viable environmental actions from the 17 SDG goals through sustainability tree discussions and project presentations. In January 2025, the math and science gifted class from Pingtung Girls' Senior High School visited for the first time, learning about CTSP's water resource management, smart water treatment, and biochar nature-based solutions. In February 2025, 24 students from Wen-Hua Senior High School and a Washington, D.C. public charter school participated in a joint exchange visit, sharing hands-on experiences of using biochar to promote campus planting and sustainable actions, thereby expanding the impact of sustainability education across campus and international exchange levels.

In terms of promoting environmental education venues within the park, the Huwei Park Wastewater Treatment Plant obtained certification from the Ministry of the Environment in May 2016 and won the Outstanding Award in the Environmental Protection/Energy Saving Facilities category in 2023. It focuses on water resource conservation and wastewater treatment, enhancing learning engagement through games, DIY activities, online app games, and water-conservation outreach. Between 2024 and 2025, it successfully conducted A total of 39 environmental education courses and promotional activities serving 984 participants, 8 large-scale outdoor promotional events serving 3,310 participants, and 10 outdoor mobile teaching sessions serving 250 participants.

The Houli Park Wastewater Treatment Plant obtained certification from the Ministry of the Environment in February 2017 and won the Outstanding Evaluation Award in 2024. Centered on the themes of water cycle education, wastewater treatment, and sustainable environments, it integrates on-site guided tours, hands-on experiments, interactive projection games, detention pond ecology, renewable energy, green buildings, and AI-driven intelligent wastewater treatment plant features.



Between 2024 and 2025, it successfully conducted a cumulative total of 55 environmental education courses and promotional activities serving 1,582 participants, alongside 9 large-scale outdoor promotional events serving 3,424 participants.

The CTSP Taichung Park Wastewater Treatment Plant obtained certification from the Ministry of the Environment in 2018 and won the Outstanding Evaluation Award in 2022. Taking water resource conservation, wastewater treatment, and net-zero green living as its main core pillars, it features a dedicated environmental education classroom and incorporates decommissioned equipment displays, plantings of native Dadu Mountain vegetation, and wastewater treatment AR/VR guided games to boost learning engagement and retention.

Between 2024 and 2025, it successfully conducted a cumulative total of 69 environmental education courses serving 1,706 participants, while also participating in 15 external promotion and exchange events serving 2,850 people.



Wastewater Treatment VR Experience



On-site Interactive Guided Tour

Apart from venue-based courses, the CTSP Bureau also continuously organizes diverse environmental education activities to deepen park employees' understanding of nature, biodiversity, and ecological risks. In 2024, four sessions of the "Four Seasons Honey Harvest" outdoor environmental education park learning courses were held.

Through activities such as observing bees, wearing beekeeping suits, identifying queen bees, drones, and worker bees, tasting honeycomb honey and pollen, and learning about traditional honey harvesting equipment, employees were guided to understand the relationship between bees, pollinating insects, and the ecological environment.

Furthermore, on November 6, Professor Chen Yu-wen from National Ilan University was invited to give a keynote presentation on sacbrood virus disease, the impact on wild bee populations, the decline of pollination services, and biosecurity issues, raising employees' awareness of environmental change and biodiversity risks.

In 2025, four sessions of the "Jiuxionghu" outdoor environmental education courses were organized, arranging for employees to visit the Chen Family Farm Garden and the Pitangwo Wetland. Through guided tours, observations, and interactive experiences, participants learned about the characteristics of flora and fauna, diverse habitats, and the symbiotic relationship between humans and nature, further incorporating the principles of environmental sustainability into their daily practices.



Joint Environmental Education Summer Camp



Planting Native Dadu Mountain Vegetation



Ecological Inclusivity Initiative

Between September 20 and 21, 2025, Taiwan Invite the World Bird Fair Council (WBC) to co-host the event inaugural "World Birdwatching Expo" was held at Taichung Civic Square. A total of 25 bird organizations and ecotourism operators from around the world came to Taiwan to participate in the exhibition, The CTSP Bureau collaborated with park partners to participate in the exhibition, curating a booth under the theme "CTSP Green Oasis, Birds Gather" to convey the journey and achievements of promoting ecological inclusivity within the park through a visual narrative titled "From Red Soil to Greenery." , attracting a massive turnout of visitors on-site. The exhibition space enhanced the impact of environmental education through video recordings, publication overviews, and interactive experiences, which included screening documentary films of birds and insects in the park, displaying notable publications such as The Science Park Where Butterflies, Dragonflies, and Birds Soar and CTSP Travel Log, and designing raptor-themed interactive photo backdrops alongside bird postcard promotions, guiding the public to understand in accessible, everyday terms that a science park can also serve as an eco-friendly and sustainable environment.



CTSP Bureau Themed Exhibition Area





Director-General Hsu Maw-Shin of CTSP leading the team for a group photo at the "Four Seasons Honey Harvest" Environmental Education Park



The lecturer at the "Four Seasons Honey Harvest" Environmental Education Park conducting a close-up observation of the honeycomb on-site



Intensive planning

The CTSP Bureau will integrate and promote efforts in transportation accessibility, environmental quality, and safety resilience in a manner that closely aligns with the public's daily life and park operational needs. Simultaneously, it will strengthen utility systems and disaster prevention readiness, while using labor inspections, guidance, and outreach to encourage enterprises in implementing hazard identification, risk assessment, and preventative measures, thereby continuously elevating the overall safety and health standards of the park. Furthermore, it will continue to open up and revitalize green landscapes, public art, and friendly facilities, collaborating with enterprises and local groups to carry out sustainable actions. Through guided tours and experiential courses at the park's wastewater treatment plants and partner environmental education venues, the concepts of the circular economy and environmental sustainability will be communicated through visible and actionable daily participation, further promoting the mutually beneficial development and common good of the park and surrounding communities.



Future prospects

Future prospects

Appendix 1 : Compilation Methodology

Appendix 2 : List of Tracking Indicators for Promoting T-SDGs

Appendix 3 : Communication among stakeholders





Future prospects

In the future, CTSP will continue to integrate the park's existing ICT capabilities with AI, 5G communications, big data, and other emerging technologies, assist in upgrading key industrial technologies, industry-university cooperation, talent cultivation, innovation and entrepreneurship, industrial transformation, and developing innovative service models, create a new blueprint for the industry, grasp the opportunities of global supply chain restructuring, and align with the NSTC's 2035 science and technology vision of "forward-looking innovation, democracy, tolerance and sustainability". CTSP Bureau will strive to build CTSP into a "diverse, livable, energy-efficient, and sustainable" science park by promoting the following strategies :



Promote industrial innovation and transformation

The Bureau will promote industry-academia collaboration and innovative technological exchanges, supporting corporate R&D, implementing smart manufacturing and digital transformation applications, and facilitating cross-domain cooperation and technology commercialization through the park's platform to strengthen overall industrial resilience and international competitiveness; furthermore, continuously leveraging mechanisms such as guidance, resource bridging, and achievement presentations to nurture the growth of startup teams and will thereby reinforce the park's innovation momentum and R&D capabilities.



Accelerate the development of the park and attract investment

Continuously improving park development and investment attraction operations, organizing investment briefings and investment services to strengthen park service capacity and create an investment-friendly environment, and combining international exhibitions with overseas networks to expand investment-attraction channels; simultaneously highlighting the advantages of multi-park synergy and supporting investment packages to attract domestic and foreign companies to evaluate investment opportunities and establish operations, thereby expanding the cluster effect of the industrial chain and promoting the diversified development of the park.



Connecting Smart Manufacturing with International Standards

Taking “smart manufacturing and net-zero transformation” as the core driving forces, cooperating with park manufacturers to participate in large-scale industry exhibitions, and assisting manufacturers in showcasing their technical strength while connecting with domestic and international market and supply chain opportunities.



Building a Harmonious, Prosperous, and Sustainable Park

To advance toward the 2050 net-zero transformation goal, promote the development of the circular economy industry, and continuously introduce green supply chains such as green, low-carbon technologies and emerging technological materials, thereby developing an energy transition spanning energy conservation, energy storage, to energy creation; simultaneously deepening interaction and exchange with surrounding communities, enhancing park service quality and living functions, creating a gender-equal employment environment, committing to ecological protection and environmental sustainability, and building a sustainable ecosystem where industry, ecology, and humanity thrive together in harmony.



Cultivate emerging scientific and technological talents in the future

Integrating park enterprises and startup momentum, continuously operating platforms such as the CTSP Innovation LAB and the CTSP Digital Innovation Center, and pairing them with talent cultivation subsidy programs and hands-on exchange activities to strengthen the forward-looking skills of students and working professionals while bridging them with industry.



Appendix 1 : Compilation Methodology



About this Voluntary Department Reviews (VDR)

This report is the second Voluntary Departmental Review (VDR) published by the CTSP Bureau, compiled in accordance with the drafting principles and chapter framework of the latest edition of the "Guidelines for Writing Government Departmental Voluntary Reviews." It aims to systematically disclose the Bureau's policy actions, implementation results, challenges, and future improvement directions in alignment with Taiwan's 2030 Agenda for Sustainable Development and the advancement of Taiwan's Sustainable Development Goals (T-SDGs), while serving as a reference for inter-agency learning, exchange, and policy adjustments.

● Scope of Information and Data Sources

1 The information disclosed in this report primarily focuses on the governance achievements and promotional progress from **2024 to 2025**, including :

- Sustainable development vision, governance pillars, and implementation measures.
- Policy directives, highlighted actions, challenges / opportunities, and improvement plans for major core goals.
- Corresponding performance tracking indicators, including baseline values, latest values, and progress evaluations.

2 Data Sources

- Annual achievement data from the CTSP Bureau (including the **2024 and 2025 Annual Reports**, and various issues of the CTSP Newsletter), as well as project and meeting minutes.
- Corresponding indicator data for the T-SDGs hosted or co-organized by the Bureau (including definitions, calculation bases, statistical periods, and data update frequencies).
- Stakeholder questionnaire results and aggregated analysis data.



Voluntary Departmental Review Compilation Process

The contents of this Voluntary Departmental Review were compiled by the Sustainable Editing Team, verified by the supervisors of the respective business units, and approved for official publication following the review and authorization of the Director-General.



Sustainability Planning

Establish a sustainability editorial team to define the report's content framework by identifying stakeholders and determining material core goals.



Preliminary Draft

The sustainability editorial team collects and analyzes data, reviews key policy highlights and their alignment with the T-SDGs, and compiles the findings into a preliminary draft.



Data Compilation

Department heads review the content and discuss and revise the preliminary draft.



Final Draft

Following review and approval by the Director-General, the report is officially published.

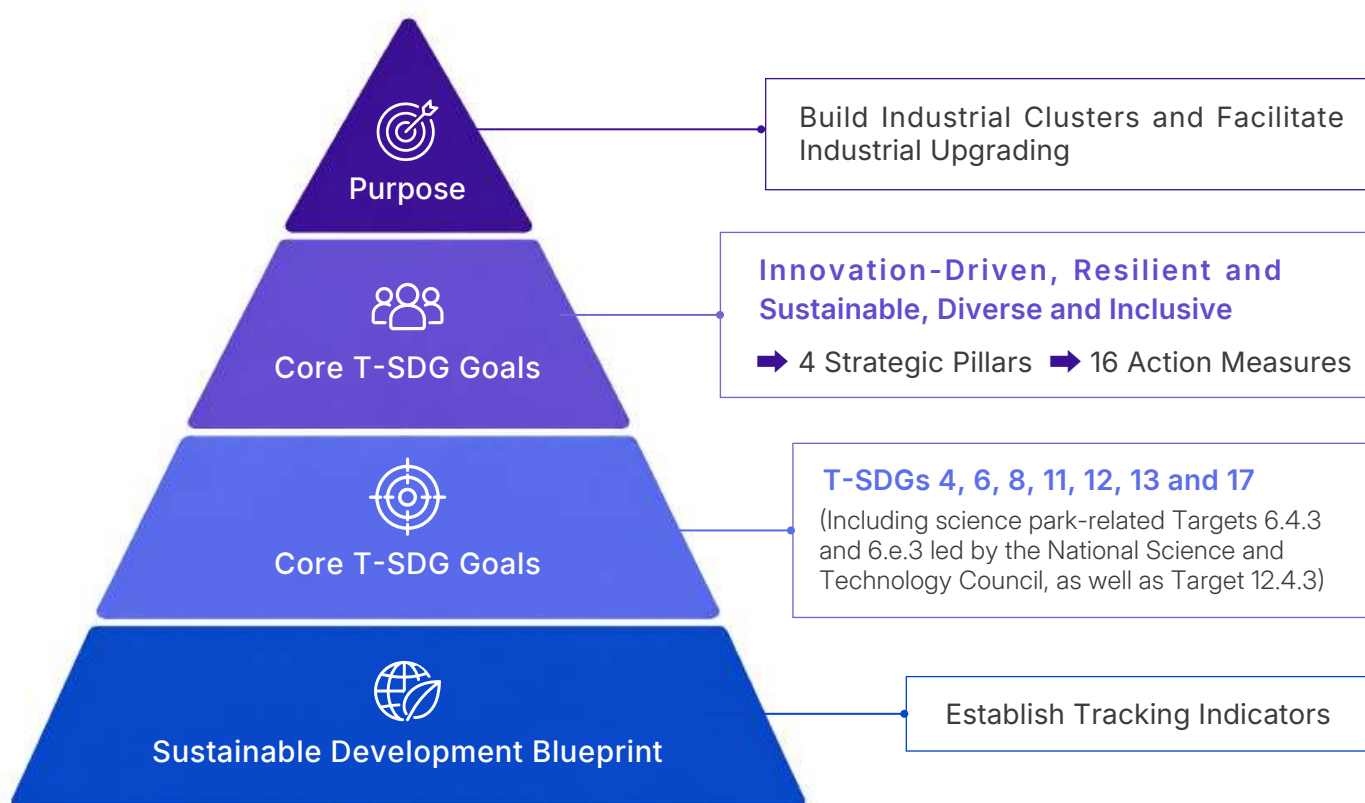


● Report Framework

The CTSP Bureau introduced a four-level framework to conduct organizational positioning and inventory current operations. Following discussions and the establishment of tracking indicators by the report editing team, the specific targets of the T-SDGs were successfully linked with the actual operations of each division and office.

This process established a comprehensive sustainable development blueprint for the CTSP Bureau. Through this framework, the Bureau conducts self-reviews to ensure that its policies, management, and implementation are fully aligned with the core targets of the T-SDGs.

Four-Tier VDR Framework of the CTSP Bureau



Identification process and results of major core targets of T-SDGS

In accordance with the spirit of universal participation and inclusivity advocated by the United Nations 2030 Agenda for Sustainable Development, the CTSP Bureau quantified the results of 225 questionnaires and conducted internal management analysis. Through this process, 7 major core goals closely related to the Bureau's mandates were identified, serving as the core pillars of this report and the baseline for prioritizing resource allocation.

Identification process of major core targets	
 Identify stakeholders	According to the principle of AA1000 SES, considering the stakeholder groups in close contact with each office, after internal discussion, nine categories of stakeholders in 2023 were identified, including employees, government agencies, park undertakings, academic research institutions, non-governmental organizations, suppliers, industrial and commercial services, neighboring communities and media.
 Design T-SDGs questionnaire	Based on the 18 core targets of T-SDGs, the questionnaire integrates the core spirit of each target and the relevant business content of the Bureau into a concise narrative, so as to lower the reading threshold for readers, and designs two major items (five-point scale) respectively, so as to facilitate readers to understand the actual meaning of the core targets.
 Questionnaire survey	Through questionnaire survey on the opinions of internal management and external stakeholders, 225 questionnaires were collected with a response rate of 89.29% to assess the relevance of 18 core targets to CTSP Bureau's business and the necessity of promoting the core targets.



Identification process of major core targets



Significance analysis and identification

Taking "relevance" and "necessity" as the "significance" indicators to evaluate the core targets of CTSP Bureau, the collected questionnaires are quantitatively analyzed and related charts are drawn to visually present the analysis results.



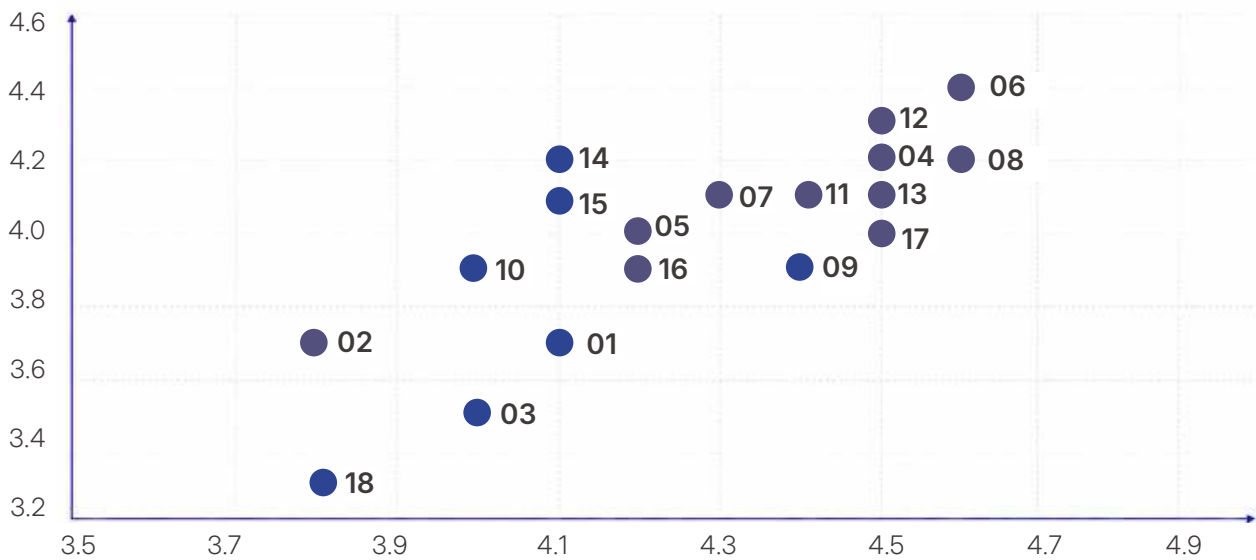
Review and discussion

Following internal discussions, the analytical results were used to evaluate whether current governance policies already cover the relevant targets and to assess the feasibility of promoting these goals within existing resources. Factoring in professional team recommendations, the Bureau identified 7 major core T-SDGs targets highly relevant to CTSP, which are 6, 8, 12, 4, 13, 17, and 11.

Seven Material T-SDGs Core Goals



2025 Strategic Objectives Matrix



Core Goal Matrix Numbering Guide :

01 : No Poverty	10 : Reduced Inequalities
02 : Zero Hunger	11 : Sustainable Cities and Communities
03 : Good Health and Well-Being	12 : Responsible Consumption and Production
04 : Quality Education	13 : Climate Action
05 : Gender Equality	14 : Life Below Water
06 : Clean Water and Sanitation	15 : Life on Land
07 : Affordable and Clean Energy	16 : Peace, Justice and Strong Institutions
08 : Decent Work and Economic Growth	17 : Partnerships for the Goals
09 : Industry, Innovation and Infrastructure	18 : Nuclear-Free Homeland



Rank : Major Core Goals

	Core Goals 6 : Ensure environmental quality and sustainable management of environmental resources.
	Core Goals 8 : Promote inclusive and sustainable economic growth, enhance labor productivity, and ensure that all people enjoy quality employment opportunities.
	Core Goals 12 : Promote green economy and ensure sustainable consumption and production mode.
	Core Goals 4 : Ensure comprehensive, fair and high-quality education and advocate lifelong learning.
	Core Goals 13 : Complete mitigation and adaptation actions to cope with climate change and its impact.
	Core Goals 17 : Establish multiple partnerships and work together to promote a sustainable vision.
	Core Goals 11 : Construct cities and villages with inclusive, safe, resilient and sustainable characteristics.



Rank : Secondary



Core Goals 7 : Ensure that everyone can enjoy affordable, stable, sustainable and modern energy.



Core Goals 9 : Construct affordable, safe, environmentally friendly, resilient and sustainable transportation.



Core Goals 14 : Sustainably manage and protect marine and coastal ecosystems to avoid significant adverse impacts.



Core Goals 15 : Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss.



Core Goals 5 : Achieve gender equality and the empowerment of all women.



Core Goals 16 : Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels.



Core Goals 10 : Reduce inequality within and among countries.



Core Goals 1 : End poverty in all its forms everywhere.



Core Goals 2 : End hunger, achieve food security and improved nutrition and promote sustainable agriculture.



Core Goals 3 : Ensure healthy lives and promote well-being for all at all ages.



Core Goals 18 : Achieve a non-nuclear homeland by 2025.

The core targets related to the Science Park sponsored by the State Science and Technology Commission are 6 and 12, including the target 6.4.3 : the process water recovery rate of the manufacturers in the Science Park, and the target 6.e.3 : the reuse rate of industrial waste in the Science Park. (Same as indicator 12.4.3), indicator 12.4.3 : Reuse rate of industrial waste in science park. (same as indicator 6.e.3).



● VDR Publication

The CTSP Bureau will publish a Sustainable Development Goals Voluntary Review report every two years in the future, and will simultaneously make it available on the official website upon approval; if publication does not occur in a given year for any reason, relevant implementation achievements and indicator information will be disclosed in other publications to maintain the timeliness and accessibility of information disclosure.

Current Edition : Published in August 2026

● Contact Information

This VDR is intended to help the public and relevant stakeholders better understand the CTSP Bureau's efforts and achievements in promoting sustainable development, and use feedback from stakeholders as a basis for continuous improvement. If you have any questions or suggestions about CTSP Bureau's "2025 Sustainable Development Goals Voluntary Department Reviews (VDR)", please contact us.



CTSP Corporate Sustainability Website

VDR contact person : environmental safety team

Telephone : +886-4-2565-8588 #7932

Email : wu00307@ctsp.gov.tw

Website : www.ctsp.gov.tw



Appendix 2 : List of Tracking Indicators for Promoting T-SDGs



Indicator progress :

- Reached the 2025 indicator
- Not reached the 2025 indicator
- Hasn't reached the statistical indicator

Specific target		Customized indicator	Indicator progress	Latest data		Basic value	Target value
				2024	2025	2021	2030
Core target 4							
4.4	The subsidy for training courses in cooperation between industry and university (talent training subsidy scheme in science park) is continuously handled, and at least 10 module courses and enterprise internship courses are subsidized every year.		12 courses	12 courses	12 courses	10 courses	
	Continue to handle the training of science and technology manpower in the park (professional and technical personnel training plan), and offer at least 300 hours of courses every year.		252 hours	300 hours	258 hours	300 hours	



Specific target		Customized indicator	Indicator progress	Latest data		Basic value 2021	Target value 2030
				2024	2025		
Core target 6							
6.3	The total amount of water pollution permit application shall be controlled, and the sewage from the factory in the park shall be 100% managed.	●	100%	100%	100%	100%	
	100% of the discharged water from the sewage plant meets the standard, and the water quality of surface water is regularly inspected and monitored every year.	●	100%	100%	100%	100%	
6.4	Continue to coach park manufacturers to save water and electricity. Achieve 85% recovery rate of process water in each park.	●	90.8%	91.3%	91.1%	86%	
	In the initial operation of Erlin Park, a reclaimed-water treatment system has been installed, with a treatment capacity of 600CMD, which can treat the sewage that entered the factory at the initial stage.	●	52,662 M³	34,553 M³	Not yet operational	3,574,810 M³	

Specific target		Customized indicator	Indicator progress	Latest data		Basic value	Target value
				2024	2025	2021	2030
Core target 6							
6.e	The total amount of waste permit applications is controlled, and the recycling rate of waste remains above 90% (higher than the indicators 6.e.3 and 12.4.3).	●	96.7%	96.7%	94.15%	94.15%	
Core target 8							
8.2	Continue to promote the review of subsidy cases for innovative technology research and development plans, and subsidize at least 10 cases every year.	●	11 cases	19 cases	13 cases	10 cases	
	We will continue to provide subsidies for cooperative training courses between industry and university (Talent Training Grant Scheme in Science Park), and subsidize at least 10 module courses and enterprise internship courses every year.	●	12 cases	12 cases	12 cases	10 cases	



Specific target		Customized indicator	Indicator progress	Latest data		Basic value	Target value
				2024	2025	2021	2030
Core target 8							
8.2	Continue to handle the training of science and technology manpower in the park (professional and technical personnel training plan), and offer at least 250 hours of courses every year.		252 hours	300 hours	258 hours	300 hours	
8.7	Conduct at least three labor-law and gender-equality awareness sessions each year.		3 sessions	3 sessions	3 sessions	4 sessions	
	70 inspections of working conditions (including gender equality) are conducted each year.		86 sessions	86 sessions	73 sessions	75 sessions	
	Carry out at least 500 occupational safety and health inspections every year.		694 sessions	747 sessions	781 sessions	500 sessions	
	Provide on-site occupational safety and health guidance and handle at least 10 sessions a year.		55 sessions	73 sessions	15 sessions	10 sessions	
	Occupational Injury Rate per Thousand Workers Below Five-Year Average		1.52	1.51	2.14	1.50	

Specific target		Customized indicator	Indicator progress	Latest data		Basic value	Target value
				2024	2025	2021	2030
Core target 11							
11.2	The number of shuttle bus services in CTSP Park exceeds 90,000 per year.		93,225 people/ times	93,982 people/ times	87,944 people/ times	95,000 people/ times	
	The shuttle bus service in Huwei Park exceeds 6,000 passengers per year.		6,287 people/ times	7,868 people/ times	4,383 people/ times	6,000 people/ times	
11.3	Handle the "Clean Beach Activities for All People in Environmental Protection Homes"		870 Kg	750 Kg	600 Kg	500 Kg	
	Handle the meetings of "Environmental Protection Supervision Team" of Central Taiwan Science Park Taichung Park, Houli Park (Houli Base and Qixin Base) and Erlin Park.		10 sessions	10 sessions	10 sessions	10 sessions	
11.12	CTSP Park is committed to promoting the sustainable environment, and for the sake of symbiosis and common prosperity with the environment, it has continuously set the goal of accumulating building labels.		48 awards	52 awards	43 awards	57 awards	



Specific target		Customized indicator	Indicator progress	Latest data		Basic value	Target value
				2024	2025	2021	2030
Core target 12							
12.4	The total amount of waste permit applications is controlled, and the recycling rate of waste in the resource recycling center is maintained above 90% (higher than the indicators 6.e.3 and 12.4.3).		96.7%	96.7%	94.15%	94.15%	
Core target 13							
13.1	Maintain and ensure the normal operation of all systems in the smart park.		100%	100%	100%	100%	
13.2	Continue to operate the 24-hour emergency center in the park.		100%	100%	100%	100%	
	Conduct publicity meetings on environmental protection and energy conservation every year.		10 GHG Protocol coaching sessions 4 publicity meetings on energy conservation and carbon reduction 2 zero-carbon transition briefing sessions 2 seminars on environmental protection		3 energy saving publicity meetings	5 GHG Protocol coaching sessions 2 briefings or technical forums on greenhouse gas or zero carbon transition	

Specific target	Customized indicator	Indicator progress	Latest data		Basic value	Target value
			2024	2025	2021	2030
Core target 13						
13.2	Conduct water-saving counseling every year.		3 sessions	3 sessions	1 sessions	3 sessions
Core target 17						
17.8	Observe and visit through domestic and foreign receptions, participate in various large-scale exhibitions, and share experiences.		4 sessions	6 sessions	3 sessions	3 sessions





Appendix 3 : Communication among stakeholders

CTSP Bureau has identified nine categories of stakeholders in accordance with the principle of AA1000 SES, and considered their attributes and business relationships, and established a continuous interactive channel to meet the smooth communication needs of all parties. The bureau can also learn about the expectations of all sectors for the development of the park as a reference for the planning of CTSP's sustainable policy.



Stakeholder	Stakeholder Importance	Communication Channels	Communication Effectiveness
 Employees	The service capability of the Bureau is derived from having excellent employees. The CTSP Bureau attaches great importance to employee input and maintaining smooth, interactive communication channels to ensure maximum efficiency.	Education and training	● The average time spent on employee education and training was about 66 hours per person.
		Sexual harassment complaint hotline	
		Director-General's mailbox	
		Internal e-bulletin	
		Official notification system	
 Park Enterprises	The core governance goal of the Bureau is to expand the output value of the CTSP.	Publicity, seminars & briefings	● Holds about 3 publicity sessions on labor laws such as the Labor Standards Act and the Gender Equality Work Act every year. ● 14 Environmental protection regulation briefings, and 40 Park business counseling seminars. ● Overall satisfaction survey score of manufacturers in 2024 and 2025 were 89.02 and 90.41.
		Phone contact	
		Manufacturer visits	
		Official website announcements	
		Official Documents	
		Satisfaction surveys	
		Trade association seminars	



Stakeholder	Stakeholder Importance	Communication Channels	Communication Effectiveness
 Park Enterprises	Therefore, smooth and unimpeded communication with manufacturers is maintained at all times, and exchanges with industry associations to facilitate the economic development of the Central Taiwan region.	Trade association director and supervisor meetings	● 3 Manufacturers received water and energy conservation counseling. ● Co-organized 2 CSR lecture and experience sharing session with the Allied Association for Science Park Industries. ● In 2024, the "Science Park High-Tech Enterprise Service Anti-Corruption Platform" Implementation Plan was formulated in accordance with the National Science and Technology Council project, continuously strengthening the functions of the Service Contact Center established in 2023. Through platform mechanisms and inter-agency exchanges in that year, a total of 6 enterprise symposiums were conducted, aiming to broadly

Stakeholder	Stakeholder Importance	Communication Channels	Communication Effectiveness
 Park Enterprises	-	-	gather feedback on simplifying government administration, facilitating public convenience, and regulatory compliance, as well as effectively assisting with anti-corruption issues, thereby enhancing enterprises' compliance awareness and resolving related concerns. ● In 2024 and 2025, one exchange meeting each was held for foreign trade customs clearance and bonded operations.
 Neighboring Communities (Non-governmental Organizations and the Public)	Bureau adheres to the goal of co-existence and co-prosperity with neighboring communities, therefore attaches great importance to public opinion.	Borough chief seminars Publicity, seminars, and briefings In-person visits Petition hotline	● Held 7 Good Neighbors Health Care Project publicity sessions, with 138 telephone interviews and 129 health checks conducted.



Stakeholder	Stakeholder Importance	Communication Channels	Communication Effectiveness
 Government Agencies	As a public agency, the Bureau is also responsible for the promotion of government orders by higher level agencies and business related authorities.	Phone contacts	Cooperate with the competent authorities in continuing policy promotion.
		Official documents	
		Email	
		Publicity, seminars and briefings	
 Academic Research Institutes	Through links to academic research institutes, academic research is introduced into industrial entity applications, which can help promote the upgrading of park businesses. Therefore, the Bureau actively plays an intermediary communication role.	Official documents	- Organized 9 forum sessions. - Held 2 technical exchange meetings.
		Phone contacts	
		Phone contacts	
 Suppliers	The Bureau must communicate with suppliers to ensure that all services meet the needs to maintain stable daily Park operations.	Phone contacts	- Conducted more than 1,500 on-site inspections for engineering projects. - Provide consultation hotline.
		On-site inspections	
		Irregular meetings	

Stakeholder	Stakeholder Importance	Communication Channels	Communication Effectiveness
 Media	The bureau maintains interactive and smooth communication with the media. The Bureau can promptly release public opinion responses to issues to avoid the dissemination of misinformation	Press releases	● Issued 76 press releases. ● A total of 6 press conferences were held
		Press conferences	
 Business Services	The convenience of park business services affects workers' willingness to work in the Park. Therefore, the Bureau maintains close communication with the business services industry	Impromptu meeting	● Established a business services platform website with 20,080 pageviews ● Conducted an observation and learning visit to the Zhongxing Park in September 2024, with approximately 52 attendees. ● In November 2025, an observation and learning visit was conducted at the Taichung Software Park, with approximately 73 participants.
		Business services industry networking forums	
		Email	
		Park satisfaction survey	



In addition to the above-mentioned channels for stakeholder interaction, the Bureau also adheres to the principle of openness of government information, publishes major news or various news from time to time on the "Central Taiwan Science Park Global Information Network", provides various publicity materials and publications for the general public to download, and sets up various themed websites with charts and simple text presentation, so that readers can easily understand the sustainable operation direction and performance of CTSP.



CTSP Official Website



CTSP Corporate Sustainability Website



CTSP Annual Reports



CTSP Newsletter



Facebook | CTSP Facebook Fan Page



Facebook | TSP News Facebook Public Group



● General Complaints' channel

CTSP Bureau, according to the "Essentials of Handling People's General Complaints Cases by the Executive Yuan and its subordinate offices" , handles General Complaints cases with the principle that the time limit should not exceed 30 days when interviews, hearings or investigations are needed. From 2024 to 2025, there were 497 cases of People's General Complaints (including 209 administrative innovation suggestions, 3 administrative decree inquiries, 24 administrative violations and 261 administrative rights and interests protection)

Number of petitions received		
Year / Item	2024	2025
 Administrative innovation suggestions	87	122
 Administrative decree inquiries	3	0
 Administrative violations	14	10
 Administrative rights and interests protection	139	122





Public Complaint Channels



Telephone : +886-4-2565-8588

Director-General's email :

Official Website > About CTSP > Director-General's Mailbox Toll-free
environmental complaint hotline : 0800-777795

Address : No. 2, Zhongke Rd. , Xitun Dist., Taichung City 40763, Taiwan (R.O.C.)

Accessible environmental complaint hotline : 04-25658588 ext. 7715 or 7716

Director-General's Email



Notification report on people's anti-corruption incident

Telephone : +886-4-25658588 #6801、6811、6813

Email : divisionp@ctsp.gov.tw



Employee Sexual Harassment and Workplace Bullying Complaint Hotline

Phone : 04-25658588 # 6601

Email : divisionp@ctsp.gov.tw





Editorial Working Group

2025 Central Taiwan Science Park SDG VDR Editing Team



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Editorial Working Group

2025 Central Taiwan Science Park SDG VDR Editing Team



Publisher

MAO-HSIN HSU
Director



Editorial commissioner

WEN-FANG SHIH, JUN-JIE
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Publisher

Central Taiwan Science Park Bureau, Ministry of Science and Technology



Address

No. 2, Jhongke Rd., Situn District, Taichung City 40763, Taiwan (R.O.C.)



Telephone

04-2565-8588



Website

www.ctsp.gov.tw



ESG Website

sd.ctsp.gov.tw



Date of Issuance

August 31, 2026





2025 Corporate Sustainability Report



國家科學及技術委員會中部科學園區管理局
Central Taiwan Science Park Bureau, National Science and Technology Council