

## About this Report

TAIFLEX Scientific Co., Ltd. (hereinafter referred to as “Taiflex,” “the Company,” or “we” ) has published sustainability reports for 12 consecutive years since 2014. In this year’ s report, we identified 12 material topics through a thorough understanding of the corporate sustainability context, a materiality assessment, the identification of stakeholder concerns, and input from external experts. The report provides detailed disclosures of Taiflex’ s management approaches, action plans, and performance across these material topics, presented in clear, commonly used language and descriptive terms. In addition to enhancing transparency for stakeholders, the report underscores our commitment to advancing sustainable development.

### ✦ Preparation Principles and Guidelines

This report has been prepared in accordance with the GRI Standards issued by the Global Reporting Initiative (GRI), as well as the “Rules Governing the Preparation and Filing of Sustainability Reports by TWSE Listed Companies” issued by the Taiwan Stock Exchange (TWSE). Disclosures have been enhanced in accordance with Article 4, “Sustainability Disclosure Indicators - Electronic Parts and Components Industry,” and Article 4-1, “Climate-related Information,” of the aforementioned rules. In addition, the report references the Sustainability Accounting Standards Board (SASB), the Task Force on Climate-related Financial Disclosures (TCFD), and the United Nations Sustainable Development Goals (SDGs), and has been prepared in alignment with the reporting principles and requirements set forth in these frameworks. To enhance materiality and comparability, financial performance is presented in New Taiwan dollars, while environmental data related to energy conservation and carbon reduction are expressed using internationally recognized units of measurement. Any restatements or revisions made relative to the previous year’ s report are explained in the relevant sections.

### ✦ Reporting Scope, Period and Frequency

Taiflex publishes its sustainability report on an annual basis, in alignment with the frequency of its financial reporting. The report is publicly available on the Company’ s official website: <https://www.taiflex.com.tw/english/Home>.

This report presents Taiflex’ s sustainability performance across economic, governance, social, and environmental aspects for the period from January 1 to December 31, 2024. To enhance completeness and comparability, certain information may also reference activities or data from periods before or after the reporting year. Except for financial performance, which is presented on a consolidated basis, all other disclosures focus primarily on Taiflex’ s operations and business activities in Taiwan, including Taiflex 1, Taiflex 2, Taiflex 3, Taiflex 5, and the Linkou Office, and excluding subsidiaries. However, in consideration of the Group’ s overall sustainability strategy and planning, selected sustainability performance data from subsidiaries are included where relevant.



Previous report: Published in July 2024  
Current report: Published in August 2025  
Next report: Scheduled for release in August 2026

## ✦ Audit and External Verification

The data and information presented in this report were compiled in accordance with Taiflex' s internal "Procedures for the Preparation and Assurance of Sustainability Reports." Relevant data were provided by departments at corporate Headquarters and factory sites, reviewed by their respective supervisors, and consolidated by the sustainability report preparation team. The draft was then reviewed and revised by the heads of each working group under the Sustainability Development Committee, and submitted for final review by the President and Chairperson through internal administrative procedures. To comply with current regulatory requirements and ensure the accuracy and quality of disclosures, future sustainability reports will be finalized and published upon approval by the Board of Directors.

To enhance the credibility of this report, financial performance data have been extracted from the Company' s annual financial statements audited by Ernst & Young. Greenhouse gas (GHG) emissions are disclosed based on inventories conducted in accordance with the ISO 14064-1:2018 standard, and the disclosed data have been verified by an independent third party, except for the 2024 figures, which are currently disclosed based on quantified results from the Company' s internal inventory. All other sustainability disclosures have been assured by AFNOR Asia Ltd., a subsidiary of the AFNOR Group. The assurance was conducted in accordance with the GRI Standards 2021 and the AA1000 Assurance Standard (AA1000AS v3), Type 1 assurance, at a moderate level. The independent assurance statement is provided in Appendix II: Independent Assurance Statement for the Sustainability Report.

## ✦ Feedback

We welcome any suggestions or questions you may have regarding the Company or this report. For more information about Taiflex' s sustainability initiatives, please visit the ESG section on our official website.



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Sustainability section: [https://www.taiflex.com.tw/english/esg\\_overview.html](https://www.taiflex.com.tw/english/esg_overview.html)



## Message from the Chairperson

The year 2024 was one marked by both challenges and opportunities. In the face of global political and economic uncertainties, tariff barriers, natural disasters, and widespread disruptions in supply chains, Taiflex Group—thanks to the dedication and teamwork of all our employees—not only achieved significant progress in our business operations but also made substantial strides in our sustainability efforts.

Reflecting on 2024, Taiflex actively advanced a range of sustainability initiatives. These efforts included the development of new products, optimization of our product structures, and the enhancement of production capacity. In May, our Thailand factory officially commenced operations, featuring a 431 kWp solar power system. We also signed a 10-year green power procurement agreement with a partner, securing a total of 75 million kWh in renewable energy certificates. The facility earned Gold-level TREES certification, underscoring our commitment to green building practices. At our subsidiary, Rudong Fuzhan Scientific Co., Ltd., we initiated the second phase of its expansion project and began installing a 378 kWp solar energy system. On the innovation front, we improved operational efficiency through the digitalization of forms and workflows. At the same time, our efforts in automation and smart manufacturing have led to higher product quality and greater energy efficiency.

Looking ahead, we remain committed to investing in employee development, technological innovation, and key initiatives centered on energy conservation and carbon reduction. We believe that continuous innovation and management optimization will further strengthen Taiflex' s competitive positioning for future growth. Equally important is our unwavering dedication to corporate social responsibility. We strive to foster a diverse, inclusive, and growth-oriented workplace, while actively participating in community engagement and educational development. In 2024, we were honored to receive the Excellence Award for Leadership in Workforce Sustainability, a recognition of our sustained efforts in employee well-being, workplace safety, and responsible business practices. In the area of corporate governance, we will continue to uphold the highest standards while further enhancing our management of intellectual property and information security.

With innovation, sustainability, and social responsibility at the core of everything we do, Taiflex Group will continue working hand in hand with our employees and partners to create long-term value for all shareholders, and moving confidently toward a brighter and more sustainable future.

陳達波 *See To-Don*

## Message from the President

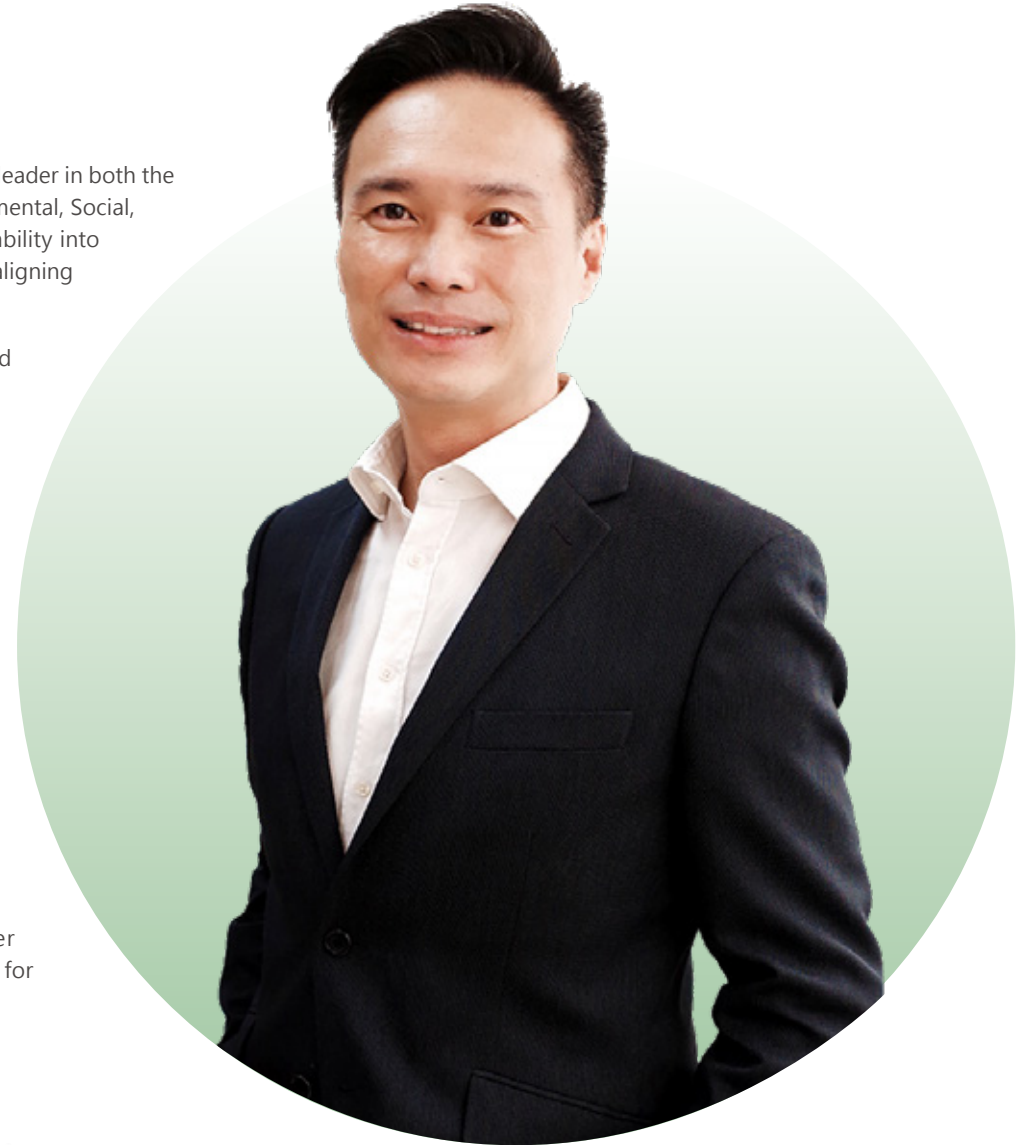
The year 2024 marked an important milestone in Taiflex' s journey toward sustainable development. As a leader in both the manufacturing and service sectors, we recognize our responsibilities and mission in the areas of Environmental, Social, and Governance (ESG). Guided by a firm commitment to carbon neutrality, we have embedded sustainability into every facet of our operations—integrating responsible practices into our manufacturing processes and aligning them with our corporate growth objectives.

Taiflex has set clear long-term goals of achieving green manufacturing and zero waste by 2030, and reaching net-zero emissions in our production processes by 2050. These are more than just promises—they are actionable roadmaps that reflect our dedication to building a sustainable future. In 2024, our ESG initiatives delivered meaningful results. We successfully passed the Taiwan Intellectual Property Management System (TIPS) assessment and actively participated in the Task Force on Climate-related Financial Disclosures (TCFD) evaluation, reinforcing our transparency and accountability.

In 2024, we also marked a major step forward in our green manufacturing journey with the official launch of our new Thailand facility, designed in alignment with green building standards and RE100 goals. Meanwhile, the integrated building at our Rudong production base was completed and became operational by year-end, further strengthening our global manufacturing capabilities.

Looking ahead to 2025, we will continue to optimize our information security and knowledge management systems to safeguard data integrity and security, while further enhancing our digital capabilities. Our commitment to sustainability extends beyond environmental management—it encompasses social responsibility and industry collaboration as well. We are actively partnering with suppliers to drive a low-carbon transition and deepening collaborations with academic institutions to foster innovation in advanced technologies and nurture future talent.

As we move forward, we are committed to realizing sustainable development with even greater determination and drive. I extend my heartfelt thanks to all our employees, partners, and stakeholders for your continued trust and support.



江宗翰 Tzong-Hann Jiang

## About Taiflex

TAIFLEX Scientific Co., Ltd., established in 1997, is guided by a vision to become a world-class flexible materials company. We have built strong market competitiveness based on two core technologies: independently developed base formulations and precision coating processes. Committed to the research and development of green and energy-efficient products, we provide customers with highly reliable, advanced flexible materials along with integrated and innovative solutions. Today, Taiflex ranks among the world's top three suppliers of flexible printed circuit (FPC) materials and is the leading provider in the Greater China region.

## Company Overview



### Company

TAIFLEX Scientific Co., Ltd.



### Paid-in capital

NT\$2,562.77 million



### Date of incorporation

August 16, 1997



### Ticker symbol

TWSE: 8039 (Listed)



### Industry

Electronics components industry



### Number of employees

954  
(as of December 31, 2024)



### Chairperson

Ta-Wen Sun



### Main products

Flexible copper-clad laminates (FCCL), coverlays, bonding sheets, stiffeners, and composite materials



### President

Zong-Han Jiang



### Headquarters

No. 1, Huanqu 3rd Rd., Qianzhen Dist., Kaohsiung City 806011, Taiwan (R.O.C.)



### Spokesperson

Chi-Yuan Pan



### Global presence

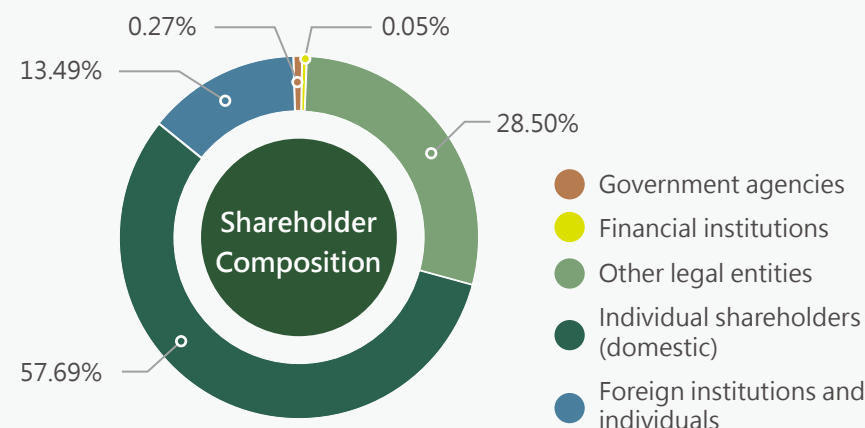
Taiwan, China, Japan, the United States and Thailand



## Shareholder Composition

As of March 29, 2025

| Shareholders Category  | Shares Held | Shareholding % | Shareholders Category                | Shares Held | Shareholding % |
|------------------------|-------------|----------------|--------------------------------------|-------------|----------------|
| Government agencies    | 693,500     | 0.27%          | Individual shareholders (domestic)   | 148,056,920 | 57.69%         |
| Financial institutions | 124,045     | 0.05%          | Foreign institutions and individuals | 34,631,134  | 13.49%         |
| Other legal entities   | 73,145,400  | 28.50%         |                                      |             |                |



## Diversified Operations

Taiflex Group enhances corporate value and broadens its business scope through diversification. In addition to its core businesses in electronic materials, optical films, and thermal management materials, the Group has, in recent years, spun off and established Taiflex Advanced Materials Co., Ltd. to enter the semiconductor and display packaging materials markets. Moreover, in response to global carbon reduction efforts and national net-zero targets, Taiflex Green Power Co., Ltd. was established to oversee the Group's renewable energy development initiatives.



## Award and Recognition

- Received the 2024 Excellence Award in the Leader in Sustaining a Healthy Workforce - Manufacturing Sector from the Occupational Safety and Health Administration, Ministry of Labor.
- Honored with the 2024 Model Award for Green Space Sponsorship in Air Quality Purification Zones from the Ministry of Environment.
- Received the Eco-Friendly Restaurant Certification from the Ministry of Environment, Executive Yuan.
- Recognized as an outstanding enterprise in the 2024 Voluntary Evaluation of Occupational Health and Safety Indicators in Sustainability Reports, conducted by the Occupational Safety and Health Administration, Ministry of Labor.
- Certified under UL 2809 Environmental Claim Validation (ECV).
- Achieved TIPS Level-A recertification in 2024.
- Received a Certificate of Appreciation from the Southern Kaohsiung Branch of the Taiwan Fund for Children and Families in recognition of the Company's efforts to transform discarded wooden pallets into handcrafted items for charity sales. All proceeds were donated to support underprivileged children, reflecting Taiflex' commitment to corporate social responsibility and community care.
- Received a Certificate of Appreciation from National Sun Yat-sen University for collaborating with academia to promote waste reutilization by upcycling pallets into creative play equipment for children, demonstrating the Company's dedication to environmental education and sustainability.

2024

- Established a wholly-owned subsidiary, Taiflex Green Power, with a focus on renewable energy to continue our investment in power generation from green energy.
- Received Enterprise with Outstanding Employment Relations Award from Export Processing Zone Administration, Ministry of Economic Affairs, R.O.C. (MOEA)
- Received Devotion to Social Welfare Award from Export Processing Zone Administration, MOEA
- Received Excellent Enterprise Award from Kaohsiung Chamber of Industry.
- Received a certificate of the Kaohsiung City Government for Mid-Autumn Festival Gifts from Sheltered Workshop to Help Disabled Friends.
- Received a certificate of Social Affairs Bureau, Kaohsiung City Government for supporting Mid-Autumn Festival gifts from disability organizations.
- Issued the first overseas unsecured convertible bonds of US\$70 million at the Singapore Exchange Limited on November 30.
- Obtained ISO 50001 Energy Management System certification.
- Received recognition from the Kaohsiung United Charity Association for One Day Volunteer and donations to help families with financial hardship.

2021

2023

- Received Badge of Accredited Healthy Workplace from Health Promotion Administration, Ministry of Health and Welfare.
- Received trophy from Kaohsiung Export Processing Zone Administration for participating in blood donation activities.
- Ranked in the top 5% of the "Small and Mid-Caps" category for the 2022 Corporate Governance Evaluation.
- Recognized as an exemplary company in the 2023 joint regional complex accident emergency response drill organized at the Kaohsiung Qianzhen Technology Industrial Park.
- Obtained ISO 27001 Information Security Management System certification for eight consecutive years.
- Obtained the TIPS Level-A certification in 2023.
- Recognized as an outstanding company of the electronics industry in the Voluntary Evaluation of Occupational Health and Safety Indicators in Sustainability Reports, conducted by the Occupational Safety and Health Administration, Ministry of Labor.
- Received the certificate of 2023 Enterprises Committed to Corporate Health Responsibility from the Common Health Magazine.
- Approved to be an Authorized Economic Operator (AEO).
- Obtained both ISO 45001 and CNS 45001 certifications.
- Hosted the Kaohsiung study tours with the Puren Youth Care Foundation for eight consecutive years.
- Received "Distinction Award" from Environmental Protection Administration for green space sponsorship at air quality purification zone.
- Teamed up with E.SUN for ESG initiative actions, working together to promote sustainable transformation.

2022

- Received trophy from Kaohsiung Export Processing Zone Administration for participating in blood donation activities.
- Ranked in the top 5% of the "Small and Mid-Caps" category for the 8th Corporate Governance Evaluation.
- Established Taiflex Scientific (Thailand) Co., Ltd., and held a groundbreaking ceremony.
- The 25th Anniversary of Taiflex and Gung Ho with Kaohsiung.
- Obtained ISO 27001 Information Security Management System certification for seven consecutive years.
- Received the certificate of 2022 Enterprises Committed to Corporate Health Responsibility from the Common Health Magazine.
- Received 2021 Community Contribution Excellence Award from Environmental Protection Bureau, Kaohsiung City Government for green space sponsorship at air quality purification zone in Kaohsiung City.
- Completed ISO 14064:2018 GHG inventory and third-party verification (Year of inventory: 2021.)
- Received Badge of Accredited Healthy Workplace from Health Promotion Administration, Ministry of Health and Welfare.

# 2024 ESG Performance and Highlights

## Environment Aspect



### Implementation of ISO 14064:2018

In 2024, Taiflex introduced a digital GHG management system and completed the 2023 GHG inventory in accordance with ISO 14064:2018 using the information system. The results were verified by an independent third-party assurance provider.

### Reduction of 985.33 MT of CO<sub>2</sub>e

In 2024, Taiflex implemented a total of 13 major energy conservation initiatives, resulting in electricity savings of approximately 2,078,755 kWh. This is equivalent to a reduction of 7,483.52 GJ in energy consumption and a decrease of 985.33 metric tons of CO<sub>2</sub>e emissions.

### Investment of NT\$ 84,474 thousand in environmental protection

In 2024, environmental initiatives related to pollution control, industrial waste reduction, and resource recycling generated total benefits of NT\$84,474 thousand.

### Recycling of 31.4 MT

In 2024, film peeling machines developed in 2023 were used to process a total of 249 metric tons of waste overlay material, separating and recovering approximately 31.4 metric tons of release paper for recycling.

### Conversion rate of 60%

In 2024, the production lines recovered 232.04 metric tons of NMP solvent and 97.45 metric tons of MEK solvent, achieving average reuse rates of 68.17% and 61.61%, respectively.

## Social Aspect



### Zero occupational accidents

In 2024, there were no cases of occupational disease, major workplace accidents, or fatalities.

### FSI < 0.1

In 2024, the Frequency-Severity Indicator (FSI) was 0.06, the Severity Rate (SR) was 5.99, and the Frequency Rate (FR) was 0.6. Each of these indicators performed better than the three-year average for the electronics and semiconductor industries.

### Donation of NT\$800,000

In 2024, a total of NT\$800,000 was donated to the Kaohsiung City Youth Care Association to support charitable programs for children and youth.

### Employee training satisfaction rate of 93%

In 2024, employee training totaled 2,786 enrollments and 13,966 hours. Total training expenses reached NT\$3,181.42 thousand, with a training satisfaction rate of 93%.

## Corporate Governance Aspect



### Cumulative total of 151 patents

In 2024, Taiflex filed three new patent applications, bringing the cumulative total to 250 global applications as of year-end. Among these, 84.40% are invention patents, with a total of 151 patents granted to date.

### Revenue of NT\$ 99.38 million

In 2024, operating revenue totaled NT\$9.938 billion, and earnings per share (EPS) reached NT\$2.53. Both figures outperformed the industry average.

### A-rated for information security

In 2024, Taiflex Group received an A (excellent) rating in information security risk assessment conducted by SSC, an external cybersecurity evaluation firm.

### Customer satisfaction rate of 93.25

In 2024, customer satisfaction reached 93.25 points, representing an increase of 2.85 points compared to 90.4 points in 2023.