# 2024

SUSTAINABILITY REPORT

ENVIRONMENTA-SOCIAL-GOVERNANCE LINGSEN PRECISION INDUSTRIES, LTD.



# Content

### 1. Management's Commitment

1.1 A Word from Management

#### 2. Sustainable Development

- 2.1 A Word from Director of Corporate Sustainability Committee
- 2.2 Organization for Promotion of Corporate Sustainable Development
- 2.3 Sustainability Performance
- 2.4 Sustainable Development Strategies
- 2.5 Corporate Sustainability Policy

#### 3. Environmental Protection

- 3.1 Environmental Management
- 3.2 Carbon Management
- 3.3 Green Products
- 3.4 Management and Procurement of Raw Materials
- 3.5 Air Pollution and Waste Recycling Management
- 3.6 Water Resource Management

#### 4. Interactions with Stakeholders and Operations

- 4.1 Stakeholder Identification and Communication
- 4.2 Significance Analysis of Stakeholders

# 5. Personnel Training and Harmony and Safety in the Workplace

- 5.1 Salary and Benefit
- 5.2 Equal Employment Opportunities, Labor Restriction
- 5.3 Occupational Safety and Health
- **5.4 Educational Training**
- 5.5 Labor Relations

# Content

#### 6. Customer Service and Supplier Management

- **6.1 Customer Service and Satisfaction**
- **6.2 Supplier Management**

#### 7. Social Involvement

- 7.1 Cooperation between Industry and Academics
- 7.2 Charity Care

#### 8. Corporate Profile

- 8.1 About Us
- 8.2 Philosophy
- 8.3 Business Profile
- **8.4 Market Overview**

#### 9. Corporate Governance

- 9.1 Principles
- 9.2 Profile
- 9.3 Ethical Management (Code of Conduct and Moral Standards)

#### 10. Appendix

- **10.1 Report Overview**
- **10.2 Comparison Table of GRI Standards**
- 10.3 Sustainability Accounting Standards Board index
- 10.4 Sustainability Disclosure Indicators Semiconductor Industry
- 10.5 Climate-Related Information of TWSE/TPEx Listed Company
- 10.6 Comparison Table of Execution of Sustainable Development Goals (SDGs) of the United Nations
- 10.7 Ten Principles of the United Nations Global Compact

# 1 Management's Commitment

#### 1.1 A Word from Management

In 2024, macroeconomic weakness and geopolitical conflicts still persist, which further weighing on end market demand potentially. Against that backdrop, we witnessed the rising trend of new AI applications driven by 5G mobile communications, which presents a new opportunity for the semiconductor industry. Driven by 5G mobile communications, promote mobile, autonomous driving and IOT applications. In the diverse applications of AI, various edge AI are developing rapidly, such as AI mobile, AI PCs and AI in-vehicle electronics are worth the expectations, and we expect that the semiconductor industry is projected to usher in a new round of growth driven in the next decade.

#### Economic and Operational Development

In the management aspect, we commit to our main business, make continuous technological innovations, develop new products and improve old products by sticking to the concepts of energy-saving, waste-reducing and green assembly, and join hands with our suppliers to improve quality, lower cost and acquire customers' support and appreciation together.

#### Environmental Sustainability

The company is dedicated to improving the utilization efficiency of each energy source and building and reinforcing relevant environmental protection treatment facilities to avoid polluting water, air and land. Meanwhile, we adopt the best and feasible pollution prevention treatment and control technical measures. As for environmental sustainability, we deem issues like climate change, and water and energy resource management as our challenges and opportunities and we will continually making efforts to realize the goals of electricity and water saving, carbon reduction and waste reduction.

The new factory of the company obtained LEED silver certification from U.S. Green Building Council in January 2015, which was an important and remarkable achievement. In 2019, we further acquired an updated SONY Green Partner certificate.

#### Social Care

When pursuing growth and profits, Lingsen is also continuously dedicated to building and maintaining a human-oriented and safe work environment to perform its social responsibilities. Specific achievements have been acquired, including plans for cooperation between industry and academics, mountain-cleaning and street-cleaning activities, and establishment of charity community, to jointly attend community activities, care about our neighbors, improve the quality of life of employees and communities, and promote competitive advantages centering on corporate responsibilities, thus making efforts to the corporate sustainable development.

# 12 Sustainable Development

#### 2.1 A Word from Director of Corporate Sustainability Committee

Lingsen Precision, as a pioneer in the semiconductor assembly industry, and it has been established for more than 50 years since establishment in 1973. We attentively pursue the stable development of core business, stick to the vision of "Economic Sharing, Coexistence with Environment and Co-prosperity with Society" and practice 17 SDGs of the United Nations (refer to the appendix) as well as the Ten Principles of the United Nations Global Compact (refer to the appendix).

Under the background of climate and environment change and continuous worsening of global warming, Lingsen has also adhered to the vision of harmony between enterprises and the earth. When pursuing of its profits, we also give equal consideration to our responsibilities as a corporate citizen and pays continual attention to the environmental and social issues. Lingsen continues to demonstrate its emphasis on green products and carbon reduction in production processes, and is committed to the recycling and reuse of waste and wastewater. In 2024, a total of 801.054 tons of waste and 490,858 tons of wastewater were recycled, which not only achieved environmental protection but also saved costs. In addition, Lingsen actively promoted the use of green energy in production electricity. In October 2015, a 483KW solar power generation system was completed at the Lingsen Chungkang Plant. As of December 31, 2024, it has provided 6,415,474KW of green electricity, also contributing to environmental protection. As for public welfare, our colleagues initiate monthly ordering of bakery products from Eden Social Welfare Foundation and provide people with mental and physical disabilities with jobs and help them blend in the society more easily.

In order to implement the concept of corporate sustainable development, Lingsen has been deeply engaged in the four major fields of Corporate Social Responsibility for "Corporate Governance, Corporate Commitment, Social Contribution and Environmental Protection", and aims to integrate ESG into the operations to create shared value for a sustainable future.



Social Involvement



**Corporate Governance** 



**Environmental Protection** 



**Enterprise Commitment** 



#### 2.2 Corporate Sustainable Development Promotion Organization

Lingsen Precision established "Corporate Sustainability Committee" in 2013, involving five issues, i.e., corporate governance, sustainable supply chain, human rights and social inclusion, environmental sustainability and social care. The representative of sustainable development committee is served by "General Manager" of the company. The sustainable development team integrates sustainability issues from three aspects, namely, economy, environment and society, and reports the execution performance of sustainable development management system as well as demands for improvement suggestion actions to the top management every year.

In order to practice corporate social responsibilities, urge the progress of economy, environment and society, and fulfill the goals of sustainable development, the General Manager's Office will generally plan and integrate the annual promotion achievements of corporate sustainable development and work plans for the next year so as to make sustainable development one of the processes in the corporate decision-making.



Issue	Торіс	Responsible Department
Corporate Governance	<ul> <li>Sustainability Management</li> <li>Corporate Governance</li> <li>Compliance with the Regulations</li> <li>Technological Innovation</li> <li>Risk management</li> </ul>	<ul> <li>General Manager's Office</li> <li>Finance Division</li> <li>R&amp;D Engineering Division</li> <li>Audit Office</li> </ul>
Sustainable Supply Chain	<ul><li> Customer Relationship</li><li> Supplier Management</li><li> Product Liability</li></ul>	<ul><li>Business Division</li><li>Purchasing Department</li><li>Quality Assurance Division</li></ul>
Human Rights and social Inclusion	<ul> <li>Employment Benefits</li> <li>Educational Training</li> <li>Occupational Safety and Health</li> <li>Human Rights Management</li> </ul>	Human Resources Department     Occupational Safety Office
Environmental Sustainability	<ul> <li>Climate Change and Environmental Policy</li> <li>Water Resource Management</li> <li>Waste Recycling Management</li> </ul>	<ul> <li>Factory Affairs Department</li> <li>Manufacturing Division</li> <li>R&amp;D Engineering Division</li> <li>Business Division</li> </ul>
Social Care	<ul><li>Community Care</li><li>Environmental Protection</li><li>Actively Engagement</li></ul>	General Manager's Office



#### 2.3 Sustainable Performance



#### Revenue \$

Revenue reached NT\$ 4.611 billion in 2024.

#### **R&D Investment %**

R&D investment reached NT\$ 94.955 million in 2024.

#### **Output Value Per Capita**

Output value per capital reached NT\$ 1,942,653 in 2024.



# Waste Recycling Recycling of 801.054 tons of waste

Energy-saving

## Saving of 2,505,538 kWh/year of energies.

Wastewater recycling

Recycling of 490,858t wastewater in total.



#### Cooperation between Industry and Academics

19 consecutive years' industry-academics cooperation with National Taiwan University of Science and Technology and provision of opportunities for both employment and learning.

#### **Public Welfare Activities**

Long-term support for the Slow-Flying angel bakery products of Eden Social Welfare Foundation.

#### **Long-term Support**

Long-term support for faith, hope and love. Donation box

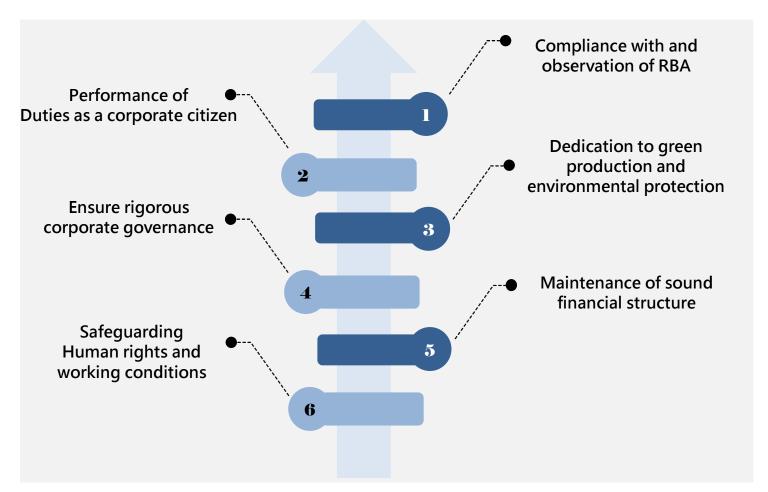


#### 2.4 Sustainable Development Strategies

Lingsen, as a member of global market citizens, adheres to the operation philosophies of integrity and commitment and sustainable management, commits to the performing of its responsibilities as a global corporate citizen, continually makes innovation and improves production capacity, assists customers in producing better products, and join hands with the supplier to improve the value and quality of materials together so as to create a better living environment.

To practice the concept of corporate sustainable operation, duly perform the responsibilities as a corporate social citizen, take care of our living environment and cherish the limited resources in the earth, Lingsen actively coordinate with each requirements of RBA (Responsible Business Alliance) and the Ten Principles of the United Nations Global Compact to ensure the realization of each goal involving human rights, care for the laborers, safety in workplace, anti-corruption, and environmental protection.

#### Aspects of sustainable development strategies





#### 2.5 Corporate Sustainability Policy

### 菱生精密工業股份有限公司 Lingsen Precision Industry, Ltd

#### 企業永續政策 **Corporate Sustainability Policy**

菱生精密工業股份有限公司乃半導體封裝業先驅,我們不僅用心追求核心業務穩健發展,秉持 「經濟共享、環境共生與社會共榮」的願景。本公司提供員工友善、人道、安全工作環境,致力環 境保護、崇尚誠信廉潔、遵循台灣適用之法令法規、RBA 行為準則,並承諾:

As a pioneer of Semiconductor Assembly Industry, Lingsen not only make our effort to pursue steady development to core business but also uphold the vision of "co-existence of economy and environment and social co-prosperity." Lingsen provide friendly, humane and safe working place, and have been committed to protect environment, advocate integrity and honesty, abide by the laws and regulations and code of conduct of RBA, and promise to:

- 提倡人權,禁用童工、不使員工遭受歧視、霸凌等不人道對待 Advocate Human Rights, Prohibit child laborers, Protect employees from inhumane treatment such as discrimination and bullying.
- 合法合理之工時與報酬 Offer legal and reasonable working hour and salary.
- 嚴守商業道德倫理規範,維持良好公司治理 Observe the code of Business ethics and maintain well corporate governance.
- 符合政府及國際相關法規並持續追求改善進步 Abide by related Government and International laws and regulations, and keep making improvement.
- 提供員工安全健康的工作環境及合理的薪資與福利 Provide employees with safe and healthy working environment and reasonable salary and benefits.
- 提倡環保愛地球活動、減少污染與碳排放,致力社會公益 Promote eco-friendly activities, Reduce pollution and carbon emission, and Be Committed to charitable and public welfare.
- 教育員工,使其了解並支持公司善盡企業社會責任 Impart CSR (Corporate Social Responsibility) to employees to get their recognition and support.
- 不直接或間接採購來自衝突地區之鉭、錫、鷂、金、銛、雲母 Not purchase directly or indirectly the Conflict Minerals such as Ta (Tantalum), Sn (Tin), W (Tungsten), Au (Gold), Cobalt (Co), and Mica.
- 與客戶、供應商溝通交流企業社會責任,彼此學習、共同進步 Interchange CSR (Corporate Social Responsibility) with customers and suppliers to learn from each other and make common progress.

菱生精密工業股份有限公司 Lingsen Precision Industry, Ltd

# 13 Environmental Protection

#### 3.1 Environmental Management

Since October 1998, Lingsen has taken the Environment Management System (ISO14001) as seriously as production and product quality. Tse-Sung Tsai, our General Manager, shortly after determined that our environment policy which base on 4 features, "manufacturing green and ecofriendly products; adhering to applicable laws; saving energy, reducing waste, and preventing pollution; and continuing to improve sustainable development", would proceed in parallel with the related ISO-14001 regulations and further encouraged all employees to manage the environment using PDCA in each factory. Furthermore, he requested all of us to continue to periodically inspect the impact of air pollutants, waste water, noise, and waste on the environment and continuously review the resources used in the production to improve the company's energy saving efforts in the hopes of achieving balance and co-prosperity between product quality and our surrounding environment.

Under the environmental issues of Global Warming and Climate Change, various countries declare their long-term target of Net Zero Emissions by 2050 in rapid succession. Lingsen also had declared the environmental target and set short, medium and long-term target of energy saving, carbon reduction, water saving, etc., not only to be devoted to cope with climate change and the risk brought by climate impact but also to practice the Environmental Sustainability Policy in an attempt to protect our shared Global Environment.

#### Environmental Policy of Lingsen





In light of the climate impact to Taiwan, Lingsen focused on environmental issues such as energy saving and discussed the datum target in the environmental management inspection meeting in 2023. The bullet points are as follows:

Lingsen set the carbon reduction and energy saving target based on the carbon dioxide emissions and energy consumption in 2021.

For the carbon reduction target:

Reduce 10% by 2030 as short-term target.

Reduce 50% by 2040 as medium-term target.

Achieve Net Zero Emissions by 2050.

For the energy saving:

Save 10% by 2030 as short-term target.

Save 40% by 2050.

Furthermore, to protect the precious water resources in Taiwan, Lingsen will save water more than 400 thousand metric ton every year.

#### Our Environmental Goals

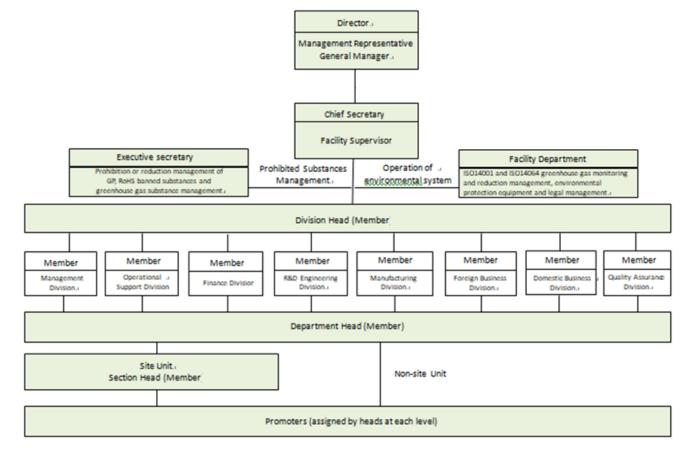


#### Structure of Environmental Management Committee

Our company has five production buildings and one raw material warehouse. All of the production buildings are consistently managed by the Environmental Management Committee, which is chaired by the General Manager and has each unit head as a member. The General Manager annually convenes all unit heads to an environment target review conference to evaluate the environmental incidents and the degree of completeness of the previous year's target, discuss the impact caused by deficiencies, determine environmental targets for the current year, request related units and heads to manage and track the programs for which they are responsible, and monitor them through the quarterly environmental management committee meeting. Furthermore, each unit head is responsible for evaluating environmental hazards and managing the areas with major environmental hazard with special projects to reduce their impact on the environment.



#### Structure of Environmental Management Committee



#### Remarks:

- (1) Member in charge of site unit is division, department or section head. Member in charge of non-site unit is division or department head.
- (2) Site promoters are assigned by heads at each level.

#### Operation of the Environmental Management System and Risk Management

We are committed to communicating the importance of environmental protection to all of our employees in the hopes that everyone in our company will do their best to protect our environment. Furthermore, the Environmental Management Committee is held at the beginning of each year ,meeting with each unit head to determine environmental goals and management programs for the current year. Such goals are generally related to waste reduction or saving energy. Once the goals are determined, each unit head will promote them to his/her employees and get their feedback to learn how to better improve the environment together in order to enhance the company's environmental protection efforts.



# Integration Table of Our Environmental Goals, Objectives and Management Programs in 2024

EP policy	Program code	Environmental management program	Environmental goal	Environmental target	Unit in charge
Energy saving and waste reduction	1301	Reduce the consumption of nonwoven fabrics	Reduce non-woven fabric consumption and reduce non-woven fabric cost expenditure.	It is estimated that 30 packs of non- woven fabrics can be saved every month.	1st Section, Manufacturing Department II
Energy saving and waste reduction	1302	Reduce the scrap rate of lead frame	By reducing the scrap rate of good lead frames, the scrapped lead frames can be reused to adjust the machine, avoiding the waste of resources.	Reduce the scrap rate of good lead frames to <50%.	1st Section, Manufacturing Department I
Energy saving and waste reduction	1303	Recycling of waste wood pallet	Waste wood pallets after material preparation and material return are recycled and reused.	An average of 60 items are expected to be recycled each month.	Material Management Section, Materials Department
Energy saving and waste reduction	1304	Recycling of test cartons reduces costs and waste of resources	For the cartons loaded with T1 and sent to T4 for testing, they are unpacked and recycled for reuse.	Save 10,000 NTD per quarter.	Testing Department
Energy saving and waste reduction	1305	Reduce the amount of cleaning fluid used of screen printing	Adjust the number of screen printing cleaning times to reduce the amount of screen cleaning fluid used.	Reduce screen printing cleaning fluid usage by 20% per year.	1st Section, R&D Dedicated Line
Energy saving and waste reduction	1306	Reduce the amount of A4 paper used	Switch to secondary paper to reduce A4 paper usage.	It is expected to reduce the use of 27,000 sheets of A4 paper per quarter.	Electroplating Section,T6
waste reduction and carbon reduction	1307	Replace old air compressors with new ones to save energy and reduce carbon emissions in T1 and T2	Replace the air compressor, improve its efficiency, reduce power consumption, and thus reduce electricity bills and carbon dioxide emissions.	Annual carbon reduction of more than 800 tons.	Facility Department

We have passed ISO-14001 verification in October 1998 and completed the edition-changed certification of ISO14001:2015 in 2017. However, in order to prevent our perceptions of our self-review of the company's environmental protection measures from diverging from the truth, we annually invite external verification agencies to assist in our audit and reverification process. With different points of view from senior auditors at external verification agencies, we can continue to improve our environmental quality.

#### Our ISO14001 Certificate





## ■ Major Environmental Risk Assessment

RISK ASPECT	MAJOR RISK ISSUE	RESPONSIVE MEASURES
Laws and policies	1. The standards of environmental protection regulations are gradually stricter. 2. Energy declaration and energy conservation 3. Requirement for power brownout is added in the local regulation of Taichung.	<ol> <li>Strengthen testing and production control and add pollution improvement equipment based on status quo.</li> <li>Improve the inspection of the company's energy equipment and prepare a budget annually to execute energy-saving projects.</li> <li>Check the service status of plant area of the company, and use a part of the plant for solar power generation system to improve the ratio of green power used by the company.</li> </ol>
Environmental resources	resulting in the shortage of water	<ol> <li>List annual environmental protection management projects, implement recycling of process wastewater, adjust production water consumption and cherish water resources.</li> <li>Recycling waste, improving waste recycling rate promoting suppliers to recover and re-utilize packing materials.</li> <li>Propose environmental management programs every year and seek the reduction of raw materials used in production processes.</li> </ol>
Customers and suppliers	<ol> <li>The raw materials used in production contain substances listed by international conventions or regulations of Taiwan for management.</li> <li>Reduction of greenhouse gasses and product carbon fingerprint.</li> </ol>	<ol> <li>Conduct sampling inspection of incoming raw materials which may be put into site for production after being recognized by the environmental protection unit.</li> <li>Certify greenhouse gas inspection report ISO14064-1 and assist customers in the product carbon footprint investigation.</li> <li>Spend expenditure every year for improvement and execute green procurement to lower the emissions of greenhouse gases.</li> </ol>
Employees and the general public	<ol> <li>The employees do not have a concept of environmental protection to cause environmental pollution.</li> <li>Residents around give a full amount.</li> </ol>	<ol> <li>Establish ISO14001 environmental management system, integrate environmental protection to employees' daily life in a systematic way, offer educational training on environmental protection to employees, and perform regular and irregular environmental audits over production units.</li> <li>Set up an environmental communication management system and establish public communication access.</li> <li>Carry out irregular patrolling of surrounding environment to lower the influence of environmental pollution on the public.</li> </ol>



In recent years, transnational environmental protection treaties and government laws and regulations are gradually raising the requirements for environmental protection of enterprise production, which is not only a challenge but also an opportunity for change. Lingsen has also considered and evaluated the major environmental risks generated nowadays and review the influences and opportunities brought by environmental risks one by one. We still look forward good changes made to the environment in Taiwan under these autonomous and non-autonomous external impacts.

#### Table of Environmental Risks and Opportunities

Opportunity	Change caused	Responsive measures
Green energy	Increase the ratio of green power. Improve the energy utilization efficiency of production equipment.	Three sites have already been developed for the setting of solar power generation system. High-efficiency equipment is a direct consideration factor to replace the old equipment.
Climate change	Production response in dry period regarding water acquisition sources.  Production response in dry period regarding water acquisition sources.  Improve the efficiency of wastewater recycling syste lower the dependence of production on water consumption.  Set up large water storing facilities and fully store we when the water resources are sufficient.  Coordinate with tanker manufacturers and include the emergency response drills.	
Products and services	Green products Customer environmental protection design services	Engage in R&D design to continually improve product efficiency. Strengthen the close cooperation with customers and launch green products.

#### 3.2 Carbon Management

Because of Climate Change led by Global Warming, the extreme weather causes enormous impact on the sensitive biophysical environment. To decrease the disasters brought by effects of climate change, every country set their clear-cut Net Zero Emissions schedule in rapid succession. And, our government has not only passed a bill to revise "Greenhouse Gas Reduction and Management Act" as "Climate Change Response Act" on January, 2023, but also integrated Net Zero Emissions by 2050 into long-term target to show our determination toward Net Zero Emissions.

Lingen has been absolutely devoted to executing inspection and control of greenhouse gas emissions based on the concept of sustainable management and CSR. In 2010, after building a "greenhouse gases inspection and voluntary reduction steering group", our General Manager declared Lingsen's greenhouse gases inspection and voluntary reduction declaration to look forward to achieving resources saving and sustainable development of global biophysical environment.



#### Our Greenhouse Gas Inspection and Voluntary Reduction Promotion Organization

#### 菱生精密工業股份有限公司

# Lingsen Precision Industries, Ltd. Greenhouse Gas Inspection and Voluntary Reduction Statement

We recognize that the climate and environment suffer from the negative impact of greenhouse gases and understand that the capacities of the earth's resources are limited. They are not endless, and unfortunately, we are moving toward the critical point. As a responsible corporate citizen, we are committed to carrying out the following activities:

- © Regularly inspecting greenhouse gases.
- © Controlling greenhouse gas emissions.
- ©Improving the efficiency of machinery and equipment to reduce greenhouse gas emissions.

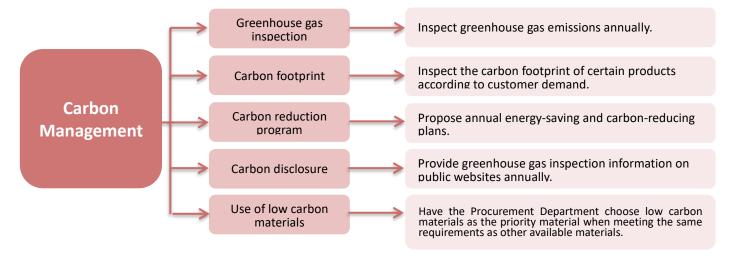
General Manager

July 23, 2019, ROC

After the declaration from General Manager and the setting up of steering group, Lingsen integrated the steering group into Environment Stewardship Council. In the carbon emission reduction meeting on July, 2010, the council considered that we should catch up on the greenhouse gas emission condition first to find the right antidote to reduce greenhouse gas emissions. After discussion, General Manager declared the resolution that Lingsen would annually execute the organization level greenhouse gas inspection work from 2010, following up ISO14064 Greenhouse gas verification standard. After being certificated by external CB (Certification Body) to define the greenhouse gas emissions and the major emitter, Lingsen would take measures to improve the greenhouse gas emission condition. Furthermore, since 2021, Lingsen has gradually started the Carbon Footprint Verification. At present, Lingsen provides carbon emission information of each raw material used in Assembly process to customers and Carbon Footprint Verification for specific product to support customer catching up on production-related information.



#### Carbon Management Method



#### Greenhouse Gas Inspection

Since 2009, Lingsen has phased in the Greenhouse Gas Verification system, and finished hitherto Greenhouse Gas Verification for 16 years (2009-2024), and pass the ISO 14604-1:2018 revision certification in 2022. To earn recognition for verification results from intended user, all of the inspection work and document should follow up ISO-14064-1, and furthermore, be verified by internal and external verification process. At present, the range of executing greenhouse gas inspection includes 1st, 2nd, 4th, 5th production site, and a raw material warehouse in Taichung, Taiwan. In 2015, 6th production site was added into the range, and the dormitory of 6th production site was also added in the next year.

Lingsen's greenhouse gas verification results of project 1 and project 2 for the last 5 years are as follows:

#### Annual Greenhouse Gas Emissions from 2020 to 2024

Year	Scope 1	Scope 2	Total greenhouse gases (t)
2020	1547.5893	63297.6234	64845.2127
2021	1846.7307	65725.4404	67572.1711
2022	1750.453	63035.324	64785.777
2023	1690.9313	59980.8035	61671.7348
2024	1495.8513	56271.0235	57766.8748



In accordance with our inspection information in 2024, Scope 1 refers to the direct emission of greenhouse gases, which includes fixed combustion sources, process emission sources, mobile combustion sources, and fugitive greenhouse gas emission sources with emission volume of 1,495.8513t CO2e/year. Scope 2 refers to the indirect emission of greenhouse gases, including input of electricity, heat, steam, or other derivative energies such as fossil fuel with emission volume of 56,271.0235t CO2e/year(location-based approach). Taking into account the green electricity certificates purchased (market-based approach), Scope 2 is 56,197.0795 t CO2e/year. Scopes 3-5 refer to other kinds of indirect emission of greenhouse gases which are mainly generated by outsourcing activities. The emission sources include employees' business trips, outsourced transportation (including wastes), procurement of raw materials (resins) and energies, solidification/physical treatment/incineration of downstream wastes as well as greenhouse gas emissions generated customers' leases with emission volume of 12,015.4478t CO2e/year.

According to the statistics of inspection calculation results, the total volume of greenhouse gas emissions of the company reached 69,782.3226t CO2e/year in 2024 with main source as Scope 2, i.e., indirect emission of greenhouse gases from energies (purchased electric power) with total volume of 56,271.0235t CO2e/year, taking up a ratio of 80.64%. Scope 4 ranked the second place with total volume of 11,669.4678t CO2e/year, taking up a ratio of 16.7227%. If other indirect emission parts (Scope 3-Scope 5) were not taken into account, the indirect emission of greenhouse gases of Scope 2 could even take up a ratio of 97.41%. Therefore, execution of energy conservation, improvement of equipment energy efficiency and waste reduction is a primary direction for the company to achieve the goal of greenhouse gas emission reduction at present, and it can also help lower the long-term operating cost.

Compared with 2023, the greenhouse gas emissions in 2024 will drop slightly, The main reasons are the relatively lower power consumption of processes with low production yields, energy-saving measures such as equipment replacement, and the lower carbon coefficient of electricity announced by the Energy Bureau in May 2024 compared to previous years.

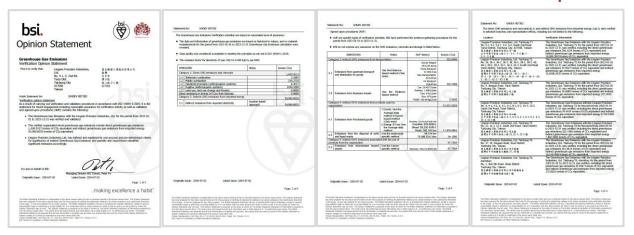
#### Our Annual Electricity Consumption from 2020 to 2024

Year	2020	2021	2022	2023	2024
Total electricity consumption (kWh)	124356824	131067128	127515756	121583950	119078412

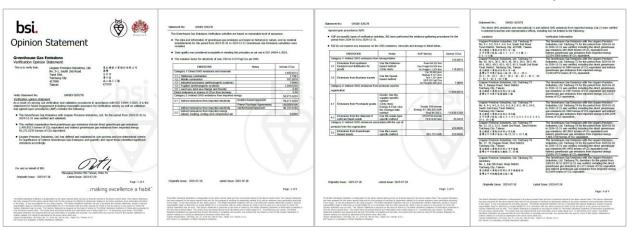
Because the emission of greenhouse gases is closely related to energy consumption, we introduced Energy Management System (ISO50001) verification in order to more efficiently manage our energy consumption. Many employees have been sent for educational training designed for energy managers and have already obtained relevant qualification certificates. Our goals are to better plan our energy consumption, determine a consumption standard, develop a consumption policy, and promote improvement measures and thus continuously improve our energy consumption under P-D-C-A, ISO's management core.



#### 2023 ISO14064 Verification Statement of Greenhouse Gas Inspection

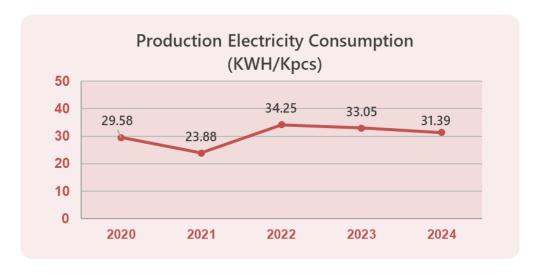


**2024 ISO14064 Verification Statement of Greenhouse Gas Inspection** 



Promotion of Production Energy Saving and Carbon Reduction Program and Development of Renewable Energy Sources

Year	2020	2021	2022	2023	2024
Production Electricity Consumption(kWH/Kpcs)	29.58	23.88	34.25	33.05	31.39





In consideration of the consumption of social and environmental resources during corporate production, Lingsen requires its employees to propose manufacturing process energy conservation every year and carbon reduction programs through brainstorming and continuously improves its production efficiency as well as invites experts from the Industrial Research Institute, Green Productivity Foundation and SinoTech Company to assist the diagnosis of operation conditions of production equipment inside the company and put forward opportunities for improvement. Also, we order heads in charge of production site to supervise, guide and manage. We further require the reduction of energy consumption of site production equipment, including electric power, air pressure, vacuum and exhaust equipment without compromising of product quality. It was calculated that Lingsen saved 2,505,538 kWh/year of energies in 2024, reduced CO2 emissions by 1187.625 t/year and lowered annual CO2 emissions by 4.75% in total. Table below indicates the execution status of energy-saving programs of Lingsen in 2024.

#### Our Energy Saving and Emission Reduction Programs from 2023 to 2024

In 2023, Lingsen participated in the auxiliary project of low-carbon and intelligent upgrading and transformation of large-scale and small-scale manufacturing industries organized by the Industrial Development Administration of the Ministry of Economic Affairs. It is expected to replace 3 old air compressors, which is expected to save 1 million kWh of electricity, reduce carbon emissions by more than 400 tons of CO2 equivalent, and save more than 4 million in electricity bills per year. This project was installed in March 2024. According to statistics in 2024, a total of 1.16 million kWh of electricity was saved per year, electricity bills were saved by about 5.13 million per year, and carbon emissions were reduced by 574 tons per year CO2e.

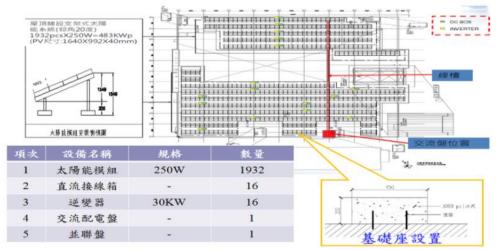
In 2024, our company's Energy Saving Performance Guarantee Project of the Ministry of Economic Affairs and the Energy Administration will carry out energy-saving replacement of high-energy-consuming chillers for air conditioners. It is expected that the replacement of air compressors can be completed in December 2024, and the annual electricity saving will reach 6.62 million kWh.

Given the gradual intensified influence imposed by greenhouse gases on the earth's environment and temperature, Lingsen has actively promoted the increase of the ratio of green power used in production. In October 2015, Lingsen Chungkang Plant completed 483kW solar power generation system and already provided 6,415,474kW of green power as of December 31, 2024.

Year	Production Capacity (KPCS)	Air pressure power (KWH)	Production energy consumption (KWH/KPCS)
2023	3,663,909	121,583,950	33.05
2024	3,776,307	119,078,412	31.39



# Design Drawing/Aerial Photograph of 483kW Solar Power Generation of Lingsen Chungkang Plant





#### Aerial Photograph of Solar Power Generation System of Lingsen Chungkang Plant

In the beginning of 2019, we established a partnership with Export Processing Zone Administration Division Taichung Branch and rented out the common land of T1 located on No. 5-1, South 2nd Rd., Tanzi Dist., Taichung City to a solar energy manufacturer for building of a solar power generation system. The total generating capacity established reached 278.16kW

#### Aerial Photograph of Solar Power Generation System of T1(278.16KW)





In 2022, Lingsen will cooperate with manufacturers and companies in the Technology Industrial Park, the T3 factory is located at No. 3, Jianguo Road, Tanzi District, Taichung. It is leased to a solar manufacturer to build a solar power generation system. The total installed power generation capacity is 252KW. It will officially generate electricity in June 2022. At present, the total green power capacity developed by Lingsen Company has reached 761.16KW, the amount of green energy development has reached 6.14% of the total electricity consumption (compared with the contracted capacity of Taipower).

#### Aerial Photograph of Solar Power Generation System of T3252KW



#### 3.3 Green Products

In response to global trends and the widespread demand for environmental protection, we are committed to providing excellent solutions to protect the environment, promote safety, and encourage health. During our manufacturing processes, we do not use hazardous materials, but only materials that meet the RoHS. Also, we send samples to SGS for testing periodically to meet the halogen-free limits set by the RoHS.

In addition to the products that we have always traditionally assembled, technologies including stack technology, multi-chip modules, systems in packages, optical products and MEMS component packaging have already been under mature volume production; among these additional products, the MEMS component has great potential because it is light, thin, and compact, with a broad range of applications due to its functions of perception, calculation, and action. Furthermore, we are currently mass producing MEMS accelerometers, pressure devices, gyroscopes, and MEMS microphones, all of which are main products for market growth. In order to respond to the "Waste Electrical and Electronic Equipment Directive (WEEE Directive), the "Restriction of the Use of Hazardous Substance Directive (RoHS Directive)", and the "Directive of Eco-design Requirement of Energy-using Products (EuP Directive)" from the European Commission, green products have already been introduced to the company, and we are dedicated to environment-friendly assembly. Furthermore, environmental consideration review process has been added to the process design stage of APQP in principles of improvement of utilization efficiency of raw materials and reduction



of environmental pollutants. Currently, green products have entered our standard BOM of products (excluding custom-made products), of which halogen-free materials are also used in substrates and resins. The most recent annual R&D topics are as follows:

- (1) Power component module package test, thin/thick aluminum wire & Clip Bonding included
- (2) Cellphone/mobile device with ambient optics sensing module package test
- (3) MEMS induction module packages, e.g., MEMS accelerometer, gyroscope, pressure gauge, altimeter, tire pressure gauge, MEMS microphone...
- (4) Multi-functional MEMS module package
- (5) Small form optical sensor module package
- (6) Multi-functional optical sensor module package
- (7) Power Module IGBT package
- (8) QFN 0.3mm thinning package
- (9) Flip Chip on QFN/TSOT package
- (10) Pulse detector sensor package
- (11) Blood oxygen concentration sensor package
- (12) Stacked microphone (Lamination)
- (13) Power module MOSFET 100V/100A package
- (14) Light sensors of a variety of thickness package
- (15) Low-power module IPM/SPM package
- (16) MIS Like package
- (17) Water Proof Pressure Sensor package
- (18) Intelligent door lock identification sensing Sensor package
- (19) TWS light sensor package
- (20) Thermal pile temperature sensor package
- (21) MEMS Auto Focus Sensor package
- (22) Discrete SiC Schottky Diode TO package
- (23) MEMS Relay Switching package

In addition to continually developing new products that comply with market demand, we have added green planning and evaluation as whether there is a chance to reduce consumption of raw materials, use renewable raw materials and implement energy-saving design upon design of development products, and are dedicated to make persistent improvements to improve product efficiency and lower material loss and wastage.

Recently, the increasingly serious damage on the environment has caused people around the world to pay more attention to environmental protection. Reducing carbon emissions has become a focus for all countries. Carbon dioxide, such as exhaust from vehicles, is the main cause for the greenhouse effect. Moreover, the excessive exploitation of oil has caused a global energy problem due to its limited inventory. Therefore, the development of electric vehicles has also become a key global issue. From September 2012 to September 2014, we became involved in the industrial technology development program (TDP) of the Ministry of Economic Affairs and the Automotive High Current IGBT Power Module Assembly Technology Development Program and began cooperating with the Industrial Technology Research Institute (ITRI). The high-current and high-voltage IGBT in this program was developed for product system application that can be applied to critical parts of electric vehicles and hybrid vehicles. In addition to being applied to electric vehicle motor modules, IGBT can also be applied as a power module for car windows, air conditioners, and headlights with different current requirements.



In response to the initiation of new global mandatory carbon reduction regulation in 2020, a silicon carbide power module was applied to realize system motivation power saving. Our company passed official reviews from the Industrial Development Bureau, Ministry of Economic Affairs at the end of 2015. Along with Shihlin Electric, we have been devoted to high-power and high-value semiconductor silicon carbide power module program. Digital, consumable, and industrial products can be widely applied to power-saving, high-frequency, and high-temperature electric/electronic systems. Furthermore, silicon carbide can be used to reduce 85% of silicon component switching loss. Through electric/electronic technology, energy switching efficiency can be greatly improved, making it the first choice for energy shortage and industrial equipment power saving. The first set of full-bridge silicon carbide power module was completed in Taiwan upon closure of this program. Lead-free process manufacturing technology was used all the way, which could improve system efficiency, lower energy consumption and carbon emissions and reduce environmental hazards.

With the rise of global awareness of environmental protection, governments of a variety of countries have successively formulated timetables for elimination of petroleum cars in order to realize the goals of carbon neutrality and net zero carbon emission. To comply with the provisions of such policies, automobile manufacturers have to pay more intangible cost in the traditional petroleum car field, thus further promoting them to accelerate their development in the field of electric cars. SiC/GaN will become the materials used for power components of electric cars in the future. Since the third-generation semiconductors are suitable for producing high-frequency, highvoltage, high-power and radiation-resisting products, they can be applied to car chargers, quick charging piles and wireless charging systems. As a response to this demand, Lingsen will also expand the production capacity of the third-generation semiconductor processes and increase the assembly quantity and energy of car chips. In the past two years, we have started to invest in IGBT sample trial production with relevant IC design factories, actively verifying the feasibility of products in electric vehicles and other high-voltage power applications, and accumulating valuable application experience and data feedback through actual vehicle testing to accelerate the optimization of product design and packaging performance. In the future, we will continue to work closely with customers to jointly develop high-performance, low-loss power modules, not only to strengthen market competitiveness and product differentiation, but also to simultaneously promote energysaving and carbon reduction technologies, to support the global net zero carbon emission goals with practical actions, and to contribute to environmental sustainability.

#### 3.4 Management and Procurement of Raw Materials

Before procuring of a qualified primary raw material (e.g., adhesive material, Au/Cu wire, substrate, lead frame, resin, and lid), a Material Safety Data Sheet (SDS) or ingredient list must be attached to the application, which must be approved by our Environmental Management Committee through a sampling recognition procedure after verifying that it meets customer demands; upon arrival of such material at our company, X-ray fluorescence is also used to monitor and ensure that no environmental controlled substance is present; secondly, Suppliers who have obtained ISO17025 certification are requested to provide an ICP test report from a third-party certification agency to guarantee that their raw materials do not contain environmental controlled substances. We manage the timeliness of materials through the "Supplier Certification Information System".



#### Incoming Material Quality of Lingsen in 2024

(All test results in 2024 met our environmental substance control requirements.)

XRF test items	Adhesive material	AU/CU wire	Substrate	Lead frame	Resin	Lid
2024 Lot	323	294	941	2057	546	416

Meanwhile, we regularly audit our system and review our management policies to ensure that we continue to adhere to international laws, as well as customers' non-hazardous substance. We also regularly collect and identify laws and regulations regarding hazardous substances related to products (e.g., international, regional and national laws and regulations such as RoHS and REACH SVHC, etc.) and complete the investigations of our suppliers and production units to ensure that products from our suppliers meet the relevant requirements of regulations on hazardous substances.

#### 3.5 Air Pollution and Waste Recycling Management

Our manufacturing processes generally refer to semiconductor assembly and testing, in which the raw materials primarily used are wafers, lead frames, and epoxy. To prevent environmental pollution during manufacturing, we installed a carbon absorption tower and scrubber to handle the air pollution problem. For wastewater, water is continuously recycled until it can no longer be used and is then discharged to the wastewater treatment plant. Through resource recovery, the recoverable parts will be recycled and non-recoverable parts will be sent to legal treatment firms to be handled appropriately in an attempt to effectively reduce environmental pollution and use resources more effectively.

#### 3.5.1 Air Pollution Management

The air pollutants created by our manufacturing process are mainly volatile organic compounds and acid gas. To effectively reduce our production of air pollutants, we have adopted he Best Available Control Technology (BACT). Our main air pollution control equipment includes the carbon absorption tower and the scrubber. We also were granted an Operation Permit of Stationary Pollution Source by the local environmental protection agency to meet the requirements of relevant environmental protection laws.

# Our 2024 Regulatory Compliance and Self-evaluation with Regards to Air Pollution Testing

Inspected	Inspected air pollutant (kg/hr)							
production building	THC	Sulfuric acid droplet	phosphoric acid	Nitric acid	hydrochloric acid	Nox	Acetone	Ethanol
T1	0.00273	0.00024	0.000216	-	-	-	-	-
T2	0.01	-	-	-		-	-	-
T6	0.03	0.01	0.000589	0.0037	0.00121	0.03	0.04	0.17
Compliance with regulatory standards	V	V	V	V	V	V	V	V



Among all air pollutants under regular testing, THC test was required for T2 of Taichung factory and THC, sulfuric acid droplets and nitric acid tests were required for T6 of Taichung factory. Based on testing data in 2024, the highest test values of air pollutants were compared with the emission standards of fixed pollution sources and senior-conductor volatile organic emissions. Our volatile organic emissions was more than 10 times lower than the emission standards, and the acid gas (sulfuric acid droplets and nitric acid) pollutants were more than 10 times lower than the statutory discharge standards, thus showing our determination to maintain air quality.

#### Our Air Pollution Control Equipment



#### 3.5.2 Waste Recycling and Treatment

With regards to waste management, we have abandoned the traditional approach of transport of waste to treatment plant for treatment. This management method is currently our final approach which could not reduce waste volume by recycling. We firmly believe that waste reduction must start from the proper management of raw materials. Therefore, at the annual environmental management conference, we request the production unit to submit an improvement proposal for site production to reduce the usage of raw materials, thus reducing waste.

#### ■ 2024 Waste Reduction Program

	Waste reduction program	Achievement
1	Reduce the consumption of non- woven fabrics	The total consumption of non-woven fabrics for the whole year was 2,429 bales, with an average of 202.4 bales per month, a decrease of 37.6 bales per month.
2	Reduce the scrap rate of lead frame	Reuse of scrapped lead frames to modify machines to avoid wasting resources. The scrap rate of lead frames dropped to an average of 47% in the fourth quarter.
3	Recycling of waste wood pallet	Waste wood pallets after material preparation and material return were recycled and reused. A total of 14,079 pieces were recycled throughout the year.
4	Recycling of test cartons reduces costs and waste of resources	For the cartons loaded with T1 and sent to T4 for testing, they are unpacked and recycled for reuse.



Waste reduction program			Achievement
	5	Reduce the amount of cleaning fluid used of screen printing	Adjust the number of screen printing cleaning times to reduce the amount of screen cleaning fluid used. The amount of screen printing cleaning fluid used has been reduced by 30% throughout the year.
	6	Reduce the amount of A4 paper used	The use of A4 paper in the electroplating station was reduced by 135,737 sheets throughout the year.

Since the waste that the manufacturing process generates may impact the environment, we cooperate with recycling firms as much as possible in an attempt to at least maintain the residual value of waste to reduce pollution. We schedule at least two audits annually of our treatment firms by environmental protection professionals to ensure that we are reducing environmental pollution caused by waste treatment firms' improper treatment.

#### Our Waste Production and Resource Recycling from 2023 to 2024

Plastic waste	2023: 27.28 t 2024: 04.71 t		Hazardous waste Treatment*		•Send waste to incinerator to produce heat for electricity generation.
			(legal treatment) In 2023		
Organic waste liquid	2023: 13.97 t 2024: 12.08 t		the total unrecyclable waste was 54.9040t, and was 6.33% of total waste amount.		•Bury the residual waste after heat treatment.
			In 2024, the total unrecyclable waste was		
Waste liquids such as ethanol, acetone, acid and alkali (Hazardous)	2023: 5.6940 t 2024: 9.3218 t	•	84.5318t, and was 9.24% of total waste amount.  Waste Treatment	•	<ul> <li>Bury the residual waste after heat treatment</li> <li>After chemical treatment, wastewater is recycled and sludge</li> </ul>
			(legal treatment)		is solidified and then buried
Sludge containing copper(Hazardous)	2023: 49.21 t 2024: 75.21 t		In 2023, the total unrecyclable waste was 41.25t, and was 11.1% of total waste amount.		•Send waste to treatment firm for solidification and burial
			In 2024,		
Sand blasting waste	2023: 00.00 t 2024: 11.82 t		the total unrecyclable waste was 28.61t, and was 3.13% of total waste amount.		•Bury



Lead frame scraps	2023: 230.040t 2024: 202.633t		Recycle valuable materials after physical treatment and screening.
Lubricant waste	2023: 3.00 t 2024: 2.22t	Waste Treatment	Refine lubricants for repeated use.
Resource waste	2023: 150.073 t 2024: 165.761t	(including recovery of resources) In 2023,	Sort waste and recover the resources for reuse.
Resin scraps	2023: 221.50 t 2024: 216.37 t	the total recyclable waste was 770.973t, and was 88.90% of total waste amount.	Recycle, conduct physical crushing and then mixing with sand to make floor tiles.
Plastic waste	2023: 156.33t 2024: 180.57t	In 2024, the total recyclable waste was	Screen after recovery and make plastic particles or fuel rod.
Activated carbon waste	2023: 06.83t 2024: 10.08t	801.054t, and was87.62% of total waste amount.	Use unique regeneration technology to make waste activated carbon reusable.
Scrap wood	2023: 03.20 t 2024: 23.42 t		After recycling, it can be used as environmentally friendly fuel for boilers.

#### Our Internal Recycling Truck



In order to save the use of natural resources, implementation resource circulation to reduce waste, and achieve minimization of waste generation and maximization of resource recycling to lower environmental load and establish a sustainable resource utilization society, Lingsen has actively cooperated with each reutilization agencies to reuse the recyclable waste.

Since April 2020, we recycled resin scraps and transported them to reutilization agencies for the production of high-pressure concrete floor tiles . In 2023, the recycling plan will be implemented in the Wuqi factory, and the amount of waste resin recycled every year is estimated to be 200-300 tons.

In July 2021, we cooperated with Styrofoam company to recycle and rebuilt the waste styrofoam and we could recycled about 150kg styrofoam waste every month; in October 2021, we cooperated with reutilization agency again to recycle and make plastic waste to plastic particles. In



2023, we will cooperate with the first SRF manufacturing plant in Taiwan that has obtained legal factory registration and has officially started mass production operations to make fuel rods from waste plastic that cannot be recycled. Now at least 350-500 tons of waste plastic enter the recycling pipeline every year, greatly improving the recycling rate of waste plastic resources.

According to the statistics, we generated 914.196t waste in 2024, and 801.054t was recycled in total, accounting for about 87.62% of the total waste. From the perspective of recycling rate, due to the closure of the sludge treatment plant in the fourth quarter of 2023, the waste sludge of that season was delayed until the first quarter of 2024. In addition, the waste sandblasting accumulated over the years will be cleared in 2024, resulting in an increase in the amount of non-resource waste in 2024 and a lower resource recovery rate than in 2023. If the above factors are excluded, the resource recovery rate in 2024 can reach more than 88%, which shows Lingsen Company's dedication to the recycling of social resources.

#### 3.6 Water Resource Management

Research has indicated that the average temperature of Taiwan has increased around 1.4 degrees in the past 100 years due to the recent global climate change. Global warming has also brought heavier and more concentrated rain and has increased the frequency of droughts in Taiwan. According to the simulated data of Academia Sinica, every one-degree increase will result in 20 more non-raining days in Taiwan. Although Taiwan's annual average rainfall is around 2,500mm, which is three times the global average rainfall of 880 mm, the actual rainfall utilization rate is less than 20%. Therefore, water recycling is one of the challenges that the Taiwanese government currently needs to face. This is a sensitive issue for us so we had our overall water resource inspected and have implemented many water saving measures in the hope of reducing our impact on Taiwan's water resources. The following is Lingsen's water consumption status from 2020 to 2024:

Factory	T1	T2	T3	T4	T5	T6	water consumption
2020	41.384	66.121	0.656	24.496	33.558	7.201	173.416
2021	57.721	63.266	0.671	22.926	47.634	27.954	220.172
2022	70.015	71.192	0.604	27.612	40.542	42.938	252.903
2023	78.648	88.524	0.625	31.158	33.269	27.147	259.371
2024	73.622	68.524	0.599	23.178	35.718	66.739	268.380

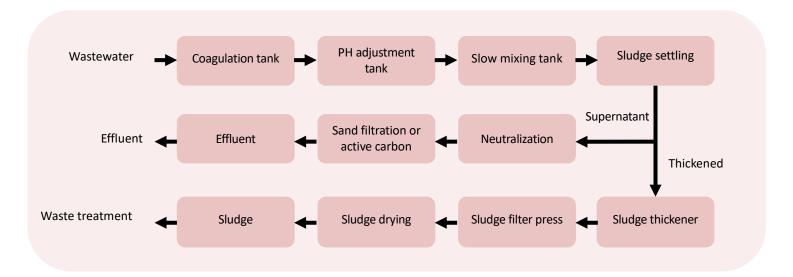
Unit: thousand m<sup>3</sup>

#### 3.6.1 Wastewater Treatment

The company produced approximately 746.4790 thousand m³ of wastewater in 2024, and the wastewater was treated in the wastewater plant of the export processing zone for the second time and then discharged to the sewage sewers. Wastewater generated in manufacturing processes was the main source. Our policy is to recycle as much wastewater as possible and discharge the rest to a wastewater treatment plant. The primary pollutants in our wastewater are SS, COD and some heavy metal substances. Therefore, the wastewater treatment treats the wastewater in a designed form of chemical coagulation. The related treatment procedure and subsequent inspection results are as follows:



#### Waste treatment process



#### Our 2024 Wastewater Inspection Results

Inspected		Regular effluent inspection items									
production building	•	SS	COD	F	Pb	Cu	Nitrate	Ammonia	тто	Ag	
T1	7.6	3.48mg/L	37.6mg/L	0.35mg/L	ND	0.185mg/L	1.72mg/L	0.98mg/L	ND	ND-	
T2	7.7	2.05mg/L	4.7mg/L	<0.05mg/L	ND	0.023mg/L	3.02mg/L	ND	< 0.18mg/L	ND	
T5	7.75	8.05mg/L	8.65mg/L	0.07mg/L	ND	0.049mg/L	2.90mg/L	ND	< 0.18mg/L	ND	
T6	7.8	7.4mg/L	13.05mg/L	0.72mg/L	ND	0.826mg/L	6.89mg/L	056mg/L	< 0.18mg/L	-	
	Effluent standard										
	6~9	30 mg/L	100 mg/L	15 mg/L	1 mg/L	1.5 mg/L	50 mg/L	30mg/L	1.37mg/L	0.5mg/L	

#### 3.6.2 Recycling of Wastewater from the Manufacturing Process

In order to effectively use water resources, we believe it is necessary to reuse the wastewater generated from manufacturing processes. In 2024, our Industrial-use water withdrawn was 1,014,859t based on water meter readings, with main consumption sources as cooling tower, manufacturing processes of wafers including cutting, grinding and singulation, and air-conditioning. Repeated experiments and testing led us to use UF membrane and RO anti-fouling membrane to recycle wastewater, and introduce recycled water to the site process for reuse in order to reduce the attrition of water. Currently, for production building with the highest water consumption in manufacturing processes, we have set up 5 sets of UF membrane recycling system and 3 sets of ROR recycling system and these systems recycled 490,858t wastewater in total in 2024. If viewed from the manufacturing processes of each plant, the recycling efficiency reached 45~80% (depending on the design of wastewater recycling system).



## Our UF Wastewater Recycling System



## ■ Wastewater Recycled Volume and Efficiency from 2015 to 2024

Year	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Wastewater saved from manufacturing processes (t)	295,752	465,377	610,673	541,848	536,454	521,079	684,149	591,734	577,027	490,858
Recycling efficiency %	83	60~80	60~80	60~80	65~83	65~83	65~87	60~80	60~80	45~80

#### Water withdrawn from 2019 to 2024

Factory	T1	T2	T3	T4	T5	Т6	Water withdrawn
2019	111.555	267.066	0.422	32.597	104.276	271.405	787.321
2020	115.958	294.152	0.656	24.496	112.737	313.943	861.942
2021	134.630	286.914	0.671	22.926	127.416	375.804	948.361
2022	154.586	244.711	0.604	27.612	99.348	369.912	896.773
2023	154.235	256.268	0.625	31.158	106.414	368.436	917.136
2024	161.076	220.721	0.599	23.178	119.948	489.337	1014.859

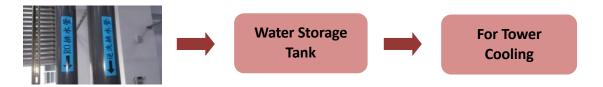
Unit: thousand m<sup>3</sup>



#### 3.6.3 Other Water Saving Methods

In addition to our dedication to the recycling of wastewater from manufacturing processes, we have also been actively reducing water resource wastage through other methods. The RO drainage and backwash drainage from the water purification system do not directly run to a wastewater treatment plant; instead, they travel through the underground storage tank and be pumped to the cooling tower to reduce water consumption there. The water will be discharged to the wastewater treatment plant only after it is concentrated and cooled in the cooling tower until it cannot be used. A total of 490,858 tons of tap water will be saved in 2024.

#### Recycled Water Used in the Cooling Tower

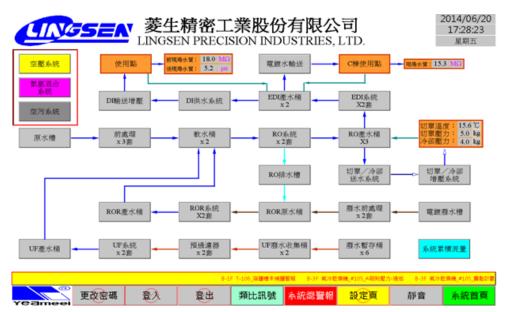


A rainfall recycling system and domestic wastewater filtration system were incorporated to the T6 production building in Taichung factory in the hopes that this new water recycling system can plan and develop new water resources. Furthermore, in order to effectively and reasonably use and control water resources, we have incorporated a water resource monitor system into the fundamental equipment of the new plant to effectively allocate rainfall and reduce water waste with reasonable controls.

#### Rainwater Tank and Sewage Recycling System



#### Our Water Resource Management and Control System



# Interactions with Stakeholders and Operation

#### 4.1 Stakeholder Identification and Communication

In our pursuit of sustainable development, we have established a variety of effective communication methods for stakeholders so that we can understand their demands and expectations as an important reference for developing corporate social responsibility policies and other relevant programs. Our stakeholders' management procedures have four steps: identification of stakeholders, analysis of stakeholders and concerning issues, programs relevant to stakeholders, and interactions and operations of stakeholders.

#### 4.1.1 Identification of Stakeholders

We define stakeholders as any internal or external group or individual who either impacts on the company or is affected by the company. Accordingly, we consider the following our stakeholders: shareholders (investors), customers, suppliers, employees, government agencies, communities, competitors, media, non-government organizations, and research organizations. Considering the worldwide trend toward sustainable development and current operation demands, as well as discussions with related internal units, this report considers shareholders (investors), customers, suppliers, employees, and communities as our main communicating stakeholders.

#### 4.1.2 Process to determine material topics

#### 1 Collecting sustainability issues

With reference to GRI Standards, Sustainability Accounting Standards Board(SASB), Sustainability Disclosure Indicators, Sustainable Development Goals (SDGS) and other standards, and taking into account current sustainable development trends and company operational demand, a total of 25 sustainable issues are listed.

#### ② Stakeholders' topics of concern survey and evaluation

Through the communication channels established by the responsible departments within the company, we understand the level of concern of stakeholders on Lingsen's sustainable development issues. Based on the feedback, we determine the level of concern of the issue and the possible impact on the company and conduct a materiality assessment and analysis.

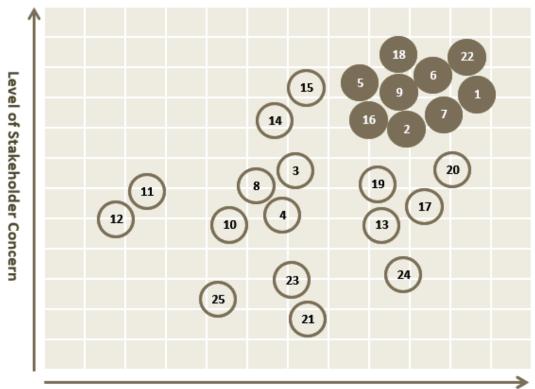
#### ③ Decision of material issue

After discussion by the Sustainability Team and reporting to senior management, 9 key sustainability themes were determined, and relevant information was compiled to develop management systems and processes for disclosure.



## 4.2 Significance Analysis of Stakeholders

### Analysis Results of Key Issues that Concern Stakeholders



Degree of Impact on Corporate

### Analysis Results of Key Issues that Concern Stakeholders

Leve	Level of Concern over Major Issues						
1. Regulatory Compliance	10. Protection of Confidential Information	19. Raw Material Use and Recycled Materials					
2. Corporate Governance	11. Recruiting and Maintaining Talent	20. Energy Management					
3. Sustainable Development Policy	12. Salary and Employee Benefits	21. Product Carbon Footprint					
4. Risk Management	13. Human Rights Related to Labor	22. Greenhouse Gas Management					
5. Product Quality and Technology R&D	14. Career Development and Educational Training	23. Green Products					
6. Operation Financial Performance	15. Occupational Safety and Health	24. Waste Management					
7. Supply Chain Management	16. Water Resource Management	25. Environmental Policy/Management System					
8. Community Involvement and Charity Work	17. Hazardous Substance Management						
9. Customer Services and Satisfaction	18. Air Pollution Control						



## Significance Analysis of Issues that Concern Stakeholders

Principal issue	Relevant report chapter	Page
Regulatory Compliance	Corporate Governance/Personnel Training and Harmony and Safety in the Workplace	63/36
· .	Environmental Protection/Customer Service and Supplier Management	7/49
Corporate Governance	Corporate Governance	63
Product Quality and Technology R&D	Business Profile /Green Products	59/20
<b>Operation Finance Performance</b>	Business Profile	59
Supply Chain Management	Supplier Management	50
Customer Services and Satisfaction	Customer Services and Satisfaction	49
Water Resource Management	Water Resource Management	27
Air Pollution Control	Air Pollution and Waste Recycling Management	23
Greenhouse Gas Management	Carbon Management	13

## Major Aspects and Boundaries Identification

Туре	Sustainable issues	Major aspects	Internal corporate boundary	External corporate boundary		
			Lingsen	Customer	Supplier	Community
	Business Performance	Business Performance	<b>V</b>			
	Corporate Governance	Corporate Governance	<b>V</b>			
Corporate Governance	Legal	Legal Compliance	<b>V</b>			
Governance	Compliance & Moral Standards	Code of Conduct & Moral Standards	<b>V</b>			
	Risk Management	Risk Management	V			
		Waste	V			
		Effluent	V			
Environment	Environmental Protection	Products & Services	<b>V</b>			
		Environmental Rules Compliance	V			



Туре	Sustainable issues	Major aspects	Internal corporate boundary	External corporate boundary		
			Lingsen	Customer	Supplier	Community
	Ecological	Greenhouse Gas Emissions	<b>v</b>			
	Efficiency	Water	V			
		Employee Welfare	<b>V</b>			
		Educational Training	V			
	Employee Care	Training & Education	<b>V</b>			
Employee Care and Development		Diversity and Equal Opportunity	<b>v</b>			
		Equal Remuneration for Men and Women	<b>v</b>			
	Supply Chain Development	Purchasing Policy and Approach	<b>V</b>		<b>V</b>	
		Conflict Resources	<b>V</b>		<b>V</b>	
	Supplier Management	Supplier Environmental Assessment	<b>V</b>		V	
	Community Development	Local Community Development Plan	<b>V</b>			<b>V</b>
Social Engagement	Stakeholder Communication	Stakeholder Engagement	<b>V</b>	V	V	<b>V</b>

# Stakeholder-relevant Programs

All of our relevant units are incorporated into our daily work or annual plan through the aforementioned analysis results to serve as an important reference for sustainable operation strategies.

# Interactions and Operations of Stakeholders

When interacting with stakeholders, we employ a performance indicator for different issues based on different stakeholders in order to regularly review ongoing improvement measures. We firmly believe that good interaction with stakeholders can help us to overcome economic, social, and environmental challenges, as well as enhance our operational ability to establish ourselves as a sustainable company.



# Our Communication Access with Stakeholders

Stakeholder	Issue of concern	Communication access	Relevant events and highlights of 2024	
	Operation performance	1. Annual shareholders' meeting	Operation performance report of 2024	
Shareholders (investors)	New product development and scheduling	2. Spokesman system	New product development status report of 2024	
	Green products	1. Quarterly customer satisfaction survey		
Customers	Conflict-free metal investigation	Quarterly customer business review meeting	Top 15 customer satisfaction surveys	
	RBA	3. Irregular customer audit		
	Product quality/technology R&D	1. Suppliers' meeting (monthly)	Operation performance of 2024	
Compliana	Supply chain management	2. Suppliers' information investigation (yearly)	Supplier risk management	
Suppliers	Operation financial performance	3. Suppliers' audit	Supplier review/Supplier audit	
	Hazardous material management			
	Corporate governance	1. Company announcement	Immediate announcement of new policies	
	Compliance with regulations	2. HR representative in each factory	One HR representative in each factory to handle employees' problems in a timely manner	
Employees	Labor relations	3. Regular/irregular communication meetings in each unit	Regular labor-management conference	
	Salary and benefits	4. Mailbox of the General Manager and mailbox of the HR representative	Participation in the government's disabled career fair	
	Occupational safety and health	5. Regular occupational safety and health committee conference	Occupational safety and health committee conference	
	Compliance with environmental regulations	Visits by competent authorities	Periodic coordination with competent authority's work safety/environmental protection audits	
Government	Compliance with social	2. Regulation/policy explanation session	Periodic participation in explanation sessions by competent authorities	
	regulations	3. Official correspondences	Irregular official correspondence	
		1. Industry-academics	Establishment of industry-academics special session	
Communities	Community engagement and	cooperation	Participation in campus micro-talent activities held in each school	
Communities	charity work	2 Charity care	Ordering of loving commodities	
		2. Charity care	Donation box in each factory	

# Personnel Training and Harmony and Safety in the Workplace

# 5.1 Salary and Benefits

Our employees are our most important assets. In addition to providing our employees with a humanistic and safe working environment, we also share our business profits with our employees by providing them with compensation that is better than the industry standard, based on business performance.

## 5.1.1 Performance-oriented Compensation System

Outstanding talents deserve first-class compensation. In order to attract, encourage, and retain superior talents, our company provides impressive and highly competitive compensation packages that are determined by work importance and difficulty, as well as different salaries and bonuses based on individual performance. For example, a performance bonus may be given irregularly depending on both the company's performance and an individual's performance.

We not only follow the basic requirements stipulated by labor laws, but also participate in local salary gatherings to ensure that competitive compensation is provided. An employee's compensation is further determined based on his/her education, experience, performance, and market standards, without discrimination on gender, race, religion, political position, or marital status and we also encourage and retain excellent talents. In 2024, the average salary of full-time employees who were not supervisory positions was NT\$590,280, and the median was NT\$539,295. In 2023, the average salary of full-time employees who were not supervisory positions was NT\$587,992, and the median was NT\$530,713.

# 5.1.2 Comprehensive Insurance System

We provide all of our employees with labor insurance, national health insurance, and group insurance (fully paid by the company) starting from their registration day to provide more complete guarantee for our employees. Overseas travel insurance is further provided for any employees on business trips in order to protect their work and ensure their safety.

# 5.1.3 Sound Retirement System

Since November 1986, we have complied with the Labor Standards Act and established a Supervisory Committee of Labor Retirement Reserve to allocate retirement reserves to a special account in the Central Trust of China every month. As of the end of 2024, the balance of this pension account was NT\$ 675,569,000. An employee of this company can apply for a pension once meeting the requirements of retirement; thus, the rights of employees are protected and they can be free to work without worries. Thanks to the help of a professional accounting consultant, we are able to provide our employees actuarial pensions to ensure allocation with full amounts to protect the rights of employees who apply for their pensions in the future.

Since July 1, 2005, in accordance with the Labor Pension Act, we have offered our employees a retirement system that complies with the Labor Standards Act, have provided an actuarial allocation



rate of the retirement reserve considering the factors of labor numbers, wage, years of service, and turnover rate applicable to the years of service prior to the promulgation of the Labor Pension Act, and have allocated retirement reserves with a full amount every month within five years in accordance with provisions of paragraph 1, Article 56 of Labor Standards Act. For those to which the Labor Pension Act applies, we contribute 6% of their monthly employee salary towards their pension accounts opened in Bureau of Labor Insurance in accordance with the Wages Classification List. For those who voluntarily pay pension, we will also withhold and remit relevant amount from their compensation according to the voluntary payment ratio.

#### 5.1.4 Parental Leave without Payment

The Labor Standards Act dictates all of our leave systems and we fully support the government policy of parental leave without payment; all colleagues have the right to apply for maternity leave, paternity leave and parental leave. In addition to the freedom from gender difference or discrimination of each of employees' welfare, colleagues who are unable to engage in work for the time being may suspend their work per parental needs and then resume work for career development after they are able to get involved in the work fully. We attach great importance to the issues of infant care and babysitting. An HR representative interviews the employees applying for the leave in person and then applies for an allowance relevant to labor insurance on their behalf. Furthermore, employees can voluntarily reinstate themselves earlier or later than scheduled, which will be handled on a case-by-case basis. All of the employees who have taken advantage of this program are very grateful for this comprehensive measure of parental leave without payment.

# Statistics of applying for maternity/paternity/parental leave in 2023

Number of applicants	Maternity/paternity leave		Parental leave		
Category	Male-Paternity Female- leave Maternity leave		Category	Male-Paternity leave	
Subtotal	11 12		3 16		
Total	23		19		

# Statistics of applying for maternity/paternity/parental leave in 2024

Number of applicants	Maternity/p	aternity leave	Parental leave		
Category	Male-Paternity Female- leave Maternity leave		Category	Male-Paternity leave	
Subtotal	19 13		5 15		
Total	32		20		



#### Reinstatement and Retention Rate of Parental Leave in 2023

North and formula constitute and in decrease in 2022		Male	Female
Number of employees that applied for parental leave in 2023	19	3	16
Expected reinstatement numbers in 2023(A)	8	2	6
Actual reinstatement numbers in 2023(B)	5	2	3
Reinstatement Rate (B/A)	63%	100%	50%
Reinstatement numbers in 2022(C)	20	5	15
Numbers of employees reinstated in 2022and retained for at	10	4	6
least one year as of 2023 (D)	10	4	U
Retention Rate (D/C)	50%	80%	40%

# Reinstatement and Retention Rate of Parental Leave in 2024

	Total	Male	Female
Number of employees that applied for parental leave in 2024	20	5	15
Expected reinstatement numbers in 2024 (A)	15	3	12
Actual reinstatement numbers in 2024(B)	9	2	7
Reinstatement Rate (B/A)	60%	67%	58%
Reinstatement numbers in 2023 (C)	8	2	6
Numbers of employees reinstated in 2023 and retained for at	3	2	1
least one year as of 2024 (D)	3		1
Retention Rate (D/C)	38%	100%	17%

# 5.1.5 Employee Benefits

- ① Listed Stock and ESOP Trust
- ② Gift coupons for employees' birthday and three holidays, congratulation gift money on wedding/maternity and condolence payments for hospitalization/bereavement
- 3 Diverse company trips
- 4 Employee check-ups
- (5) Nursery room, plant infirmary, field doctor for consultation, and contracted hospital
- 6 Labor and health insurance and labor pension fund.



#### 5.1.6 No Forced Labor

Each labor contract between an employee and the company adheres to the required laws and regulations. Once a recruitment relationship is established, a written labor contract has to be signed by law and must be agreed to by both parties, with an opposition to slave labor, as well as without forced labor or illegal human trafficking. Overtime work is voluntary and specifically prohibited in our regulations. We have established a reminder about overtime in our attendance system, and the HR Department further inspects and controls employee schedules every day and then reminds each employee not to work overtime so as to care about the health of each colleague.

#### 5.1.7 Clubs, Work-related Learning Events, and Leisure Activities

We have a variety of clubs and work-related learning activities for colleagues to pursue their various interests and relax outside of work. Family is also one of the company's priorities so we try to improve family relationships and encourage togetherness under the company through a variety of irregular family activities. As a result, not only the relationships among family members are improved, but also the sense of belonging of Lingsen family is enhanced.

# 5.2 Equal Employment Opportunities, Labor

#### 5.2.1 Status Quo of Recruitment

#### Talent Recruitment

The company recruits employees on the basis of talent orientation and right person in the right place and sticking to the principles of equal opportunities, values the diversity of employees' backgrounds, and treats job applicants fairly without discrimination on their race, age, hierarchy, language, beliefs, religion, political party, place of origin, gender, sexual orientation, marital status, appearance, nationality, five sense organs and disability; meanwhile, we prohibit the employment of minor workers aged below 16 and comprehensively follow the basic recruitment principles of open recruitment, fair selection and hiring the best. As a result, the company's talent demands can be satisfied through completely planned recruitment procedures.

"Talent" is our most important asset, so we aim to actively recruit, encourage, and retain talent, and this goal guides us most in our recruitment process; due to a variety of methods for finding new staff, such as online, introduction by employees, recruitment events, print media, and industry-university cooperation and internship projects promoted by the Ministry of Education, we are capable of recruiting the best talents in the world.

#### Our Recruitment Access

Recruitment access	Method						
Online	Job bank website						
Introduction by employees	Introduction of relatives and friends can earn employees an introduction bonus						
Recruitment event	Cooperation with all local employment service stations for single or joint recruitment activities to recruit on campus						
Print media	Place local employment advertisements in print media						
Industry-university cooperation	Actively discuss industry-university cooperation and internship projects with many universities						



#### Talent Retention

We aim to cultivate, cherish, and care for our employees so that they will provide us with their greatest potential; this is what guides us most in our talent retention. We try to promote employee retention relying on diversified employee communication accesses, competitive compensation and welfare and a comfortable and safe working environment. With regards to outstanding colleagues, we initiatively develop their career plans and arrange turnover to give them the space for diverse growth and play.

For employees who decide to leave the company, in addition to interviewing them to comprehend and evaluate their reasons for leaving, the HR Department urges them to stay on and cares about them first, and subsequently works to resolve the problems that are discovered through resignation reason analysis. A turnover list is provided weekly to each unit officer to assist him/her to immediately understand said unit's turnover condition. The HR Department also takes the initiative to contact each unit officer depending on the condition and require each organization to improve abnormal turnover.

#### Current Status

Until year end of 2024, there were 2,374 employees in total, with 1,054 male employees (44%) and 1,320 female employees (56%); 1,755 native employees (74%) and 619 foreign employees (26%). All native employees were full time workers instead of contract workers.

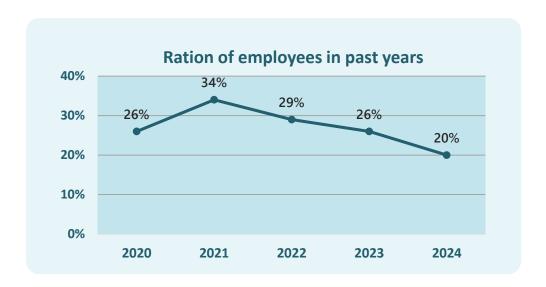
With regards to job type, there were 1,548 direct employees and 826 indirect employees. The percentage of employees under 30 years of age was 39%, percentage of employees 30-50 years of age was 43%, and the percentage of employees over 50 years of age was 18%. At the same time, we value the working rights and interests of people with disabilities. There are currently 25 colleagues with mental or physical disabilities working with us.

	male		female		Subtotal		
Category	number of people	ratio	number of people	ratio	number of people	ratio	
direct employees	402	26%	1,146	74%	1,548	65%	
indirect employees	652	79%	174	21%	826	35%	
under 30 years of age	399	43%	532	57%	931	39%	
30-50 years of age	494	48%	527	52%	1,021	43%	
over 50 years of age	161	38%	261	62%	422	18%	
native employees	975	56%	780	44%	1,755	74%	
foreign employees	79	13%	540	87%	619	26%	
Subtotal by gender	1,054	44%	1,320	56%	2,374	100%	
	Total						



#### 5.2.2 New Employee

Until the end of 2024, there are 482 new colleagues (233 male/249 female), accounted for 20% of the total number of the company, among them, employees under the age of 30 are the main newcomers, accounted for 75% of the total new recruits.



#### 01 / Distribution of new employees in past years < By Gender >

male			female	Subtotal		
Year	number of people	ratio	number of people	ratio	number of people	ratio
2022	358	16%	277	12%	635	28%
2023	274	11%	346	15%	620	26%
2024	233	10%	249	10%	482	20%

Note: New hire rate is calculated as the number of new recruits for the year divided by the total number of employees of the same gender on December 31 of the same year.

#### 02 / Distribution of new employees in past years < By Age >

	under 30 years of age 30-50 years of		of age	over 50 years of age		Total		
Year	number of people	ratio	number of people	ratio	number of people	ratio	number of people	ratio
2022	425	19%	206	9%	4	0.17%	635	28%
2023	465	20%	154	6.5%	1	0.04%	620	26%
2024	361	15%	119	5%	2	0.08%	482	20%

Note: New hire rate is calculated as the number of new recruits for the year divided by the total number of employees of the same age on December 31 of the same year.



#### 03 / Distribution of new employees of 2024

C	Category	number of people	ratio
	male	233	48%
Gender	female	249	52%
	under 30 years of age	361	74.9%
Age	30-50 years of age	119	24.7%
	over 50 years of age	2	0.4%
Night and the	native employees	302	63%
Nationality	foreign employees	180	37%
Destite :	direct employees	381	79%
Position	indirect employees	101	21%
	Total		100%

## 5.2.3 Resignation

There are 476 departed employees in 2024(283male/193female), resignation in past years in below table.

#### 01 / Distribution of departed employees in past years < By Gender >

Voor	male		female		Total	
Year	number of people ratio		number of people	ratio	number of people	ratio
2022	335	15%	478	21%	813	35%
2023	249	10%	285	12%	534	22%
2024	283	12%	193	8%	476	20%

Note: Employee turnover rate is calculated as the number of new recruits for the year divided by the total number of employees of the same gender on December 31 of the same year.

# 02 / Distribution of departed employees in past years < By Age >

	under 30 years o	f age	30-50 years of age over 50 years of age		Total			
Year	number of people	ratio	number of people	ratio	number of people	ratio	number of people	ratio
2022	492	21%	280	12%	41	1.8%	813	35%
2023	303	13%	214	9%	17	0.7%	534	22%
2024	270	11%	179	8%	27	1.1%	476	20%

Note: Employee turnover rate is calculated as the number of new recruits for the year divided by the total number of employees of the same age on December 31 of the same year.



#### 03 / Distribution of departed employees of 2024

Catego	ry	number of people	ratio
	male	283	59%
Gender	female	193	41%
	under 30 years of age	270	57%
Age	30-50 years of age	179	38%
	over 50 years of age	27	6%
Nationality	native employees	401	84%
,	foreign employees	75	16%
Position	direct employees	315	66%
	indirect employees	161	34%
Total		476	100%

# 5.3 Occupational Safety and Health

We firmly believe that a safe and healthy workplace is the only way to create better products and quality for all of our stakeholders. In order to provide such a workplace, we comply with local related laws for the management of a variety of daily operations and have introduced the Occupational Health and Safety Management System (ISO 45001:2018) to continue improving our workplace through documentation, planning, implementation, auditing, improvement, and prevention of the management system to satisfy all internal and external customers.

People, building/machinery/equipment, raw material/waste, and operation environment were selected as the four focuses in our promotion of the occupational safety and health management. We endeavor to prevent occupational accidents through the following: controlling hazard identification and risk evaluation; safety procurement management of machinery, equipment, and materials; safety management of contractor entrances; safety and health education of employees; providing and managing protective gear; sampling and testing in the workplace; health promotion of employee care; emergency management; and project management, as well as the ongoing improvement of all of the aforementioned matters by the PDCA management cycle.

# 5.3.1 Organization

A level-1 special safety and health management unit is established in each factory to take charge of establishment, implementation and promotion of safety and health management goals of the factory area. Moreover, in order to strengthen communication between employees, our General Manager acts as a chairperson to convene cadres, related technical staff, and employee (trade union) representatives to create a safety and health committee; the number of employee (trade union) representatives must account for 33.3% of the total members to meet legal requirements. Each quarter, we will propose plans to address occupational safety and health issues in an effort to continue to construct a safe and healthy workplace through employee involvement and communication.



#### 5.3.2 Management Procedures

- Safety management of machines and equipment: Providing safe and healthy machinery and equipment for employees to operate and produce is one of our procurement principles. Therefore, safety and health requirements and standards will be listed before obtaining a new machine or piece of equipment. Identification, inspection, and acceptance will be performed when the machine arrives to determine the intrinsic safety of the machinery and equipment.
- Safety management of chemicals: Any procurement of chemicals shall be previously evaluated by the Department of Industrial Safety and Environmental Protection to ensure that we can control this chemical's hazardous risks with regards to the law, environment, and employee health. After procurement, hazard communication, inventory control of public hazardous substances, routine visits of the storage and use locations, and usage and waste treatment control shall be performed to reduce the hazards of chemicals into an acceptable range for both the environment and human health.
- Safety management of contractors: Contractors are important partners in assisting us in our successful operations. Therefore, we have invested many resources to guarantee the work safety of contractors while in our factory. All contractors will receive any hazard notice before entering the factory and are required to fully participate in our safety and health agreement organization. Our personnel will confirm the risk level of this operation environment prior to their entrance and proceed with the accident prevention agreement to avoid operational risks in an unfamiliar environment and together prevent occupational accidents.
- **High-risk operation management**: To prevent major industrial accidents, we have specifically categorized certain operations as high-risk operation items, such as hot work, hanging, overhead, and confined spaces, all of which can cause major injuries and property damage and require the adoption of critical and special management procedures, including pre-approval, notification of the influenced unit, inspection during operation, and confirmation after completion.

# 5.3.3 Educational and Emergency Training

We will only be able to prevent accidents if our employees have a thorough understanding of the hazards of operations. Therefore, we have adopted the "we aren't afraid that you know, but you don't want to know" method to edit materials and arrange training sessions regarding occupational safety and health education. Occupational safety training will be scheduled for the first day of work for each employee so that they can learn all about possible hazards of operation before starting. Furthermore, OTJ training for industrial safety will be regularly held in the workplace. The training content of each unit included the notification of hazard identification results of mechanical equipment, the knowledge for chemical hazard, and the route of emergency evacuation and assembly point. To implement the basic rights of employees.

Emergency response is another part of OHSAS educational training. We will have the chance to minimize disasters upon occurrence of major accidents only by carrying out drills in advance. Therefore, the company has established an emergency response organization and responsibility chart for each production line with the factory director as the commander. Notification training, accident reduction, and asylum guidance will be held annually in each factory location. Furthermore, chemical leaks, fire extinguisher practice, and crew evacuation are listed among the annual routine exercises.



In 2024, the performance of OHSAS and emergency response training was as follows:

 Common occupational safety training lecture before employment for new employees: 114times

 Emergency response notification, accident reduction, asylum guidance, and crew evacuation exercises: 17 times

Response to a chemical leak: 6 times

### 5.3.4 Statistical Analysis of Occupational Accidents

Our occupational accident analysis includes frequency rate (the number of disabling injuries of given types resulting from industrial accidents per million man-hours worked, FR), severity rate (the number of lost work days experienced per million man-hours worked, SR), and the frequency-severity indicator (FSI) as the primary basis for statistical comparison. These statistics also exclude traffic accidents that occur outside the plant. After analyzing our company's past occupational safety and health risks and our competitor's goal, a frequency-severity indicator (FSI) below 0.05 was established. With all employees' active participation in and commitment to disaster prevention, the plant had only 0 industrial accident with 0 day lost, 0 of FR, 0 of SR and 0 of FSI in 2024, thus realizing the annual indicator goals established.

#### 5.3.5 Health Management and Promotion for Employees

With the continuous social progress and changes, it becomes more difficult to recruit employees. If existing employees have any health problems, stable manpower cannot be provided and HR costs will increase. Therefore, to ensure the occupational health of employees, Lingsen has hired professional nursing staff, including arranging physical examination for new employees, and conducting regular health checkups and health checkups for special operation every year. Meanwhile, we also cooperate with professional medical and health institutions to provide monthly doctor on-site services and proactively conduct employee health management. In the health promotion part, occupational health nurse actively understand and actively arrange visits and care for people from special groups, such as the middle-aged and elderly, those at risk of overwork, those with physical and mental disabilities, those with abnormal health examinations, or employees who take occupational sickness leave or abnormal sick leave. The work include mentioning daily precautions, arranging appropriate work and coordination, or arranging for consultation with factory service doctors, etc. We hope that all employees can work healthily and stably in Lingsen, creating a win-win situation between the company and employees.

# 5.4 Educational Training

Since talent is the foundation of our operation, we emphasize employee educational training in the hopes that their professional skills and quality, as well as our management structure, can be strengthened through a variety of training programs. Therefore, the educational training committee, which consists of executives from each department, is responsible for proposing training focuses for the following year based on the training demand of each unit and company policy. Furthermore, standard courses that respond to competence and position have been established to serve as a learning map of talent cultivation with the hope that the training outcome and operation vision can be combined.



Additionally, as for employees' career development, the educational training is also combined with comprehensive performance assessment forms. Each unit head is responsible for regularly evaluating employees' performance and career development annually, assisting them in finding contents for improvement and training suggestions on development and providing appropriate educational training resources.

#### 5.4.1 Comprehensive Educational Training System

We have developed a comprehensive competence training system to determine competency requirements for each position and provide the appropriate training courses for those with insufficient ability. Regardless of position, from general administrative staff to engineer, any employee can enhance his/her own ability step by step to meet the competency requirements of said position. Meanwhile, a technical training system was also developed specifically for engineers to assist them in achieving technical certification at each level through a variety of professional skill training courses.

#### 5.4.2 Diverse Educational Training System

In order to combine company training and annual target so that employees can immediately apply what they have learned to the job, we have designed the training systems below in accordance with employee personality, training location, and learning effectiveness to quickly teach employees fundamental knowledge, skills, and attitudes that they need to utilize to work effectively and achieve the company's targets.

# Educational Training for New Employees

Pre-employment training and fundamental training are both provided to assist our new employees in quickly understanding our corporate culture, core values, work environment, and issues relevant to corporate social responsibility. Furthermore, we offer a comprehensive mentoring system in which each new employee is assigned a mentor to help him/her fit in and meet the company's requirements.

# On-the-job Training (OJT)

OTJ training is provided to help employees on the production line to learn the knowledge, skills, and attitude that they need on the job, as well as to assist them in achieving certification to operate specific machines.

# Plant Educational Training

This includes quality, process, problem analysis and solution, and management courses, all of which aim to cultivate leadership of management and develop a common technical language in the plant.

# External Educational Training

To encourage employees to pursue learning outside of the company, we send staff to participate in technical seminars and lectures with special issues held by a variety of professional organizations. Furthermore, they shared what they learned with relevant employees in each department through their feedback reports, thus spreading their new knowledge.



# Average Employee Training Hours

In order to enable employees to meet their job requirements, the company organizes various training courses based on each employee's training map. A total of 11,221.5 hours of training will be provided to all employees in 2024.

	Male	Female	Total
Number of people	1,036	1,284	2,320
Training Hours	5,713.5	5,508	11,221.5
Average Employee Training Hours	5.51	4.29	4.84

#### 5.5 Labor Relations

We believe that respecting employees and hearing their opinions can promote their cohesiveness, as well as their desire to work together with the company. We put a great deal of focus on the opinions and issues brought by every employee in order to develop relevant regulations to protect their rights and create a harmonious environment.

#### Respect Human Rights

We always regard employees as our most important assets and partners and we are committed to giving them hope, providing them with a bright and pleasant workplace, and achieving the following based on our respect for human rights:

#### 01 / Freedom of Assembly and Association

Employees have the legal right to organize and associate by his/her freewill to promote the coordination of labor relations and protect employee rights. A trade union has been formed by our employees with a 41% participation rate.

#### 02 / Treatment with Discrimination

We have developed a non-discrimination policy to ensure that employees do not experience any discrimination due to a variety of traditions and customs during recruitment, registration, business execution, promotion, appointment, reward, or resignation.

#### 03 / Prevention of Sexual Harassment

We adhere to all laws with regards to specifying and actively promoting the Act of Gender Equality in Employment and have introduced a variety of policies relevant to sexual harassment prevention to promote gender equality in the workplace.

#### 04 / Prohibition of Child Workers

We comply with all regulations relevant to the Labor Standards Act and prohibit all those who are under the age of 16 from working for our company.

#### 05 / Work Hours

We do not force employees to work beyond the maximum work time regulated by law each day; furthermore, we follow the wage requests or necessary compensation for overtime work.



#### Diverse Communication Methods

We emphasize harmonious labor relations and value the two-way communication between company and our employees. In addition to the provision of a forum for employees to exchange opinions, we also hold labor relations conferences on an irregular basis where they can directly share their ideas in order to establish a good labor-capital interactive relationship, enhance our colleagues' sense of identity and sense of belonging and keep employees' passion for their jobs. We try to realize the goals of full communication and effective problem solving through various methods including labor relations conferences, General Manager's mailbox and a variety of employee complaint mechanism.

Furthermore, we regularly participate in the promotion of labor relations and related seminars held by government agencies in order to maintain good labor relations and promote good interactions between the company and its employees.

#### 01 / Labor Relations Conference

To create harmonious labor relations, increase the understanding of both parties, promote cooperation between labor and capital, enhance work efficiency, and safeguard each colleague's rights and interests, we periodically hold labor relations conferences to share and discuss issues together to solve problems based on harmony and integrity.

Lingsen's labor union has been established for more than 30 years. The company continues to communicate with labor union representatives and respects their opinions, and regularly discusses colleagues' opinions at quarterly labor-management meetings. The rights and obligations of both labor and management are clearly stipulated in work rules and related measures. As of the end of 2024, the union has not yet requested a group agreement.

#### 02 / Employee Complaint Handling System

To safeguard employees' rights and interests and assist them in solving problems related to the damages caused to their personal rights and interests, we provide "employee opinion mailbox" and an "employee complaint handling system" to report issues involving labor relations, human rights and sexual harassment. Also, we provide access for employees to offer their suggestions so as to effectively solve their problems and create a friendly work environment. The employees' suggestion and complaint methods are as follows:

- (a). Oral complaint: Oral complaints will be recorded by a responsible person in each department and immediately reported and handled.
- (b). Written complaint: Employees may submit their complaints through the complaint form or other written methods by the administrative system if his/her rights were damaged or he/she has any other opinions. Each unit officer shall investigate and report immediately and respond to the applicant with the results or handling of the issue in writing.
- (c). General Manger's mailbox and trade union's mailbox in each factory: Employees' privacy is emphasized during communication and subsequent handling processes to provide employees with a confidential communication method to freely express their opinions.
- (d). HR representative's email <u>graceliu@lingsen.com.tw</u>: Employees can fully express any problem in a timely manner with management to ensure a harmonious workplace.

# Customer Service and Supplier

#### 6.1 Customer Service and Satisfaction

We are committed to providing our customers with the best services and truly believe that customer service is the key to maintaining customer loyalty. Customer loyalty can help improve customer relationships and expand business. Our goal is maintaining our status as a professional integrated circuit assembly and testing facility, and we believe that the aforementioned goal can be achieved to build a strong relationship between existing customers, attract potential customers, and enhance customers' trust.

To enhance customer satisfaction, we conduct customer satisfaction evaluation and survey every quarter to guarantee that customers' demands are heard and properly handled. Customer feedback is also an important basis for improving our ongoing operation procedures. Therefore, we provide our customers with a customer satisfaction survey so that we can understand their specific demands and expectations, as well as receive an official and direct response with which to measure our performance and identify our deficiencies as a basis for our improved strategies.

Thanks to the efforts of our business units, the average grades of each item in the 2024 customer satisfaction surveys were between 7.5 and 9.0. The total survey grades for each quarter were all above 8.2(out of 10 points).



# **6.1.1 Customer Privacy**

We value customers' confidential information and privacy. Their exclusive technology, business secrets, the personal information of employees and other confidential or sensitive information will be kept confidential and protected by all of our colleagues in accordance with our internal guidelines.

As part of our management system, we sign a non-disclosure agreement with all of our customers to inform them of our guarantee to protect their confidential information; we have also established an internal document management center that will allow customers' confidential

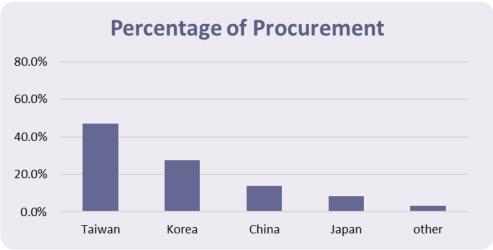


information to be used only internally according to its level of confidentiality. Moreover, we strictly control the providing and printing of files to prevent customers' confidential information from being divulged. Thanks to these strict control mechanisms, we did not receive any complaints related to customer privacy or lost information in 2024.

# 6.2 Supplier Management

Our suppliers are an important resource of our operations. To ensure that raw material suppliers can continually satisfy our operation strategies and demands, we regularly review their performance regarding quality, price, delivery, and services every month; we are also committed to maintaining long-term relationships with domestic and foreign suppliers to establish a stably developing sustainable supply chain. In addition to giving equal consideration to the product quality, prices and delivery of suppliers, we also urge suppliers to implement environmental protection measures, value employees' safety and health, fulfill their corporate social responsibility and properly manage their risk management and sustainable development plans. We also promote local production and prioritize local suppliers' development in Taiwan in order to reduce our transportation costs and thus carbon emissions and risks, as well. In 2024, the percentage of suppliers in Taiwan reached 91.38%, and the percentage of procurement amount reached 47%. We will continue to support local suppliers and encourage foreign suppliers to establish factories in Taiwan in order to both reduce production costs and risks and enhance the company's competitiveness.







#### 6.2.1 Supply Chain Risk Management

To reduce the risk of interruption to the supply chain, we request that suppliers establish an ongoing operation program to prevent closures without warning, natural disasters, or accidents that could impact shipment and thus endanger our operations or affect stakeholders.

For principal raw materials (e.g. silver adhesive, Au/Cu wire, substrate, resin and lid), we have constructed source locations to control the potential impact that a local natural disaster could have on the supply of raw materials, and we maintain at least two replaceable manufacturers or sources at any given time.

### ■ Geographic Locations of Sources of Supply of Main Raw Materials

Material/origin	Taiwan	Japan	China	South Korea	Malaysia	Singapore	
Adhesive material	V	V	©				
Au/Cu wire	V					V	
Substrate	0	V	0				
Lead frame	0	V	V		V	0	
Resin	0	V	V				
Lid	V		0				
	○: Primary origin V: Secondary origin						

# **6.2.2 Supplier Management Requirements**

We request that all of our suppliers follow local laws, social norms, and environmental protection regulations, and pass our supplier review and approval operation, which includes the investigation of suppliers' basic information, products, information regarding manufacturing and inspection equipment, major customers, financial situation, certificate of non-use environmental managed substances, quality control program, and contracts on procurement responsibilities and obligations, suppliers' social responsibilities as well as specifications regarding environment, safety and health, workers' human rights and labor conditions, so as to meet the environmental and social requirements.

# Supplier Management Survey Form

Aspect	Management item	Basis of standard	
Managament	Quality, price, delivery, service and	ISO9001:2015	
Management	technology	IATF16949:2016 Quality System	
Environment	Prohibited and controlled substances	SS-00259/RoHS/REACH/ISO14001	
Environment	Prombited and controlled substances	Relevant local regulations	
Cociety	Labor safety and health and ethical	ISO45001	
Society	norms	RBA Responsible Business Alliance	



To improve the overall competitiveness of the supply chain, we perform a monthly review of suppliers in terms of their quality, delivery, price, and service and hold a review conference based, as well as organize an audit program based on suppliers' annual reviews to ensure that they meet our requirements, and our supply chain is maintained with the best competitiveness.

According to customers' requirements, as well as international non-hazard standards such as RoHS and REACH SVHC, we have created the Environmental Substance Management Guidelines, notified suppliers to submit their green procurement policies based on the appeal for environmental protection, and request that raw materials suppliers sign a "Certification of Non-use of Environmental Managed Substances" and provide a test report from a third-party certification agency. We further feel that it is our responsibility to remind suppliers to provide their latest test reports through the "Supplier Certification Information System" to achieve the goal of complete non-use of environmental prohibited substances.

#### 6.2.3 Supplier Evaluation

- (1). Object: Main raw material suppliers (e.g., adhesive materials, Au/Cu wire, lid, substrate/lead frame, resin, and solder products)
- (2). Management unit: Procurement Section, Materials Department
- (3). Implementation: The ERP system will collect information on a monthly basis regarding the actual performance of suppliers (quality, delivery, and price) that was evaluated by procurement employees based on feedback from the using units and cooperation of suppliers and will then notify the supplier as a reference for the procurement policy. Furthermore, an annual supplier audit program will be proposed based on their annual quality evaluation results.

### Implementation Record of Annual Supplier Audit

Procurement policy	2023	2024
Procurement with priority	45	53
Procurement with second priority	11	11
Procurement with reduced quantity and requirement for improvement	0	0
Procurement with a little quantity and requirement for improvement (prohibition of new product development)	0	0
Requirement for improvement and no further procurement before the improvement is made	0	0

# 6.2.4 Supplier Audit

Our annual supplier audit program and the TS16949:2009 quality system/environmental management system were expected to be listed among our corporate social responsibility in 2014. The annual supplier audit program in 2024 is presented below, and all the implementation results can comply with the requirements of our quality and environmental management systems.

2024 audit program	Lead frame	Substrate	Lid	Resin	Packaging tube	Seal and scroll
Number of suppliers	5	2	2	2	1	2



#### 6.2.5 Conflict-free Metal Guarantee

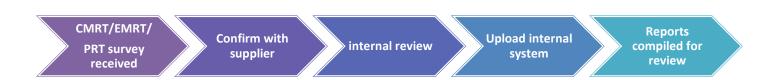
# Conflict Minerals Procurement Management Policy

In response to global control measures regarding conflict minerals, we strongly request that In response to global control measures regarding conflict minerals, we strongly request that suppliers of such materials as Au, Sn, Ta, Wu, Co and Mica do not get their supplies directly or indirectly from areas of conflicts, including the Democratic Republic of Congo (DRC), Angola, Burundi, Central African Republic, Republic of Congo, Rwanda, South Sudan, Tanzania, Uganda, and Zambia since such countries have been identified as countries with minerals from the DRC by the United Nations Security Council. Furthermore, we conduct surveys on suppliers to establish management mechanisms for conflict minerals.

### Conflict Minerals Management Process

Through investigation (CMRT, EMRT, PRT), after receiving the response from the supplier, Lingsen needs to confirm whether the smelter used by the supplier is a qualified smelter; if an unqualified smelter is used, it needs to confirm with the supplier and request qualified smelters must be used instead.

There were 42 raw material suppliers that contained Au, Sn, Ta, Wu, Co, and Mica in their processes, packaging, or products. All of them stated that they would not directly or indirectly use metal materials from conflict areas. In the future, existing and new suppliers will continue to be required to ensure that they do not use metal materials from conflict areas, and suppliers are also expected to purchase from smelters that are accredited through independent third-party audit program inspections.



Qualified smelter reference website:

https://www.responsiblemineralsinitiative.org/reporting-templates/cmrt/

# Social Involvement

# 7.1 Cooperation between Industry and Academics

#### 7.1.1 Origin of Cooperation between Industry and Academics

In response to the manpower shortage in the advanced mechanical, electrical, optical, and information fields and in order to realize our corporate social responsibility to care for children who want to pursue higher education, but come from disadvantaged families, we have actively participated in the industry-university cooperation project since 2006.

#### 7.1.2 Current Status

Since the active promotion of industry-university cooperation since 2006, we have collaborated with universities including Hsiuping University of Science and Technology, Overseas Chinese University, National Chin-Yi University of Technology, Ta Hwa University of Science and Technology, and Chienkuo Technology University. We have maintained a close relationship with the above schools in order to successfully share our image, effectively contribute to the local community, develop a talent database, and cultivate superior management associates that can grow with us as a company.

Due to the Ministry of Education's Model University of Technology Development Program, internship courses have become mandatory courses. Since 2012, we have actively coordinated with such schools as Overseas Chinese University and National Chin-Yi University of Technology. Recently, we have experienced a great demand for cadres at the basic level due to our annually expanding operations. Through the internship program, students can learn workplace skills and management knowledge to ensure that a manpower shortage will not arise.

# Our Industry-university Cooperation and Campus Events

ltem	Key project	Content
	National Chin-Yi University of Technology	Develop a special class for industry-university cooperation.
Industry-university	Chienkuo Technology University	Develop a special class for industry-university cooperation.
cooperation	Ta Hwa University of Science and Technology	Develop a course that offers credits.
	Hsiuping University of Science and Technology	Develop a course that offers credits.
	Campus recruitment	Actively participate in campus recruitment events at each school
Campus events	Campus seminar	Position internal head to share our philosophy and semiconductor related career development opportunities in the school.



Interview with faculty and students	Make domestic and foreign students understand the working environment of the semiconductor field at an early age and promote interactions between industry and academics.
Offer part-time job opportunities	Provide a part-time job program so that students can experience actual work in the company and reduce the difference between academics and practice.

# 7.2 Charity Care



# Loving Ordering of Bakery Products from Eden Social Welfare Foundation

Eden Sheltered Workshop provides people with disabilities with professional support and services regarding both employment and life. This place enables those who are unable to enter general workshops or get supportive employment due to disabilities to continue their training, enhance their working skills, develop their potentials and obtain vocational training in the sheltered employment environment; or different sheltering measures are supplemented to enable these people to eventually find suitable jobs.

Eden always believes that people with disabilities can also be self-dependent and return to society through support and coaching, thus reflecting the truth of "Every man have his gift". Enterprises may take a different path in public welfare. It is better to teach fish than to feed fish. Lingsen chooses to invest a part of its resources to support social enterprises and create a selfsufficient environment. Relying on the long-term ordering of bakery products from Eden, we try to provide our best support for Eden Sheltered Workshop so as to enable those with disabilities to make a living on their own and blend in and get closer to society.

## Eden Social Welfare Foundation

Ms. Liu Hsia, a deceased wheelchair writer, due to the call of the God and with an empathetic heart for persons with disabilities, donated her years' contribution fees and joined hands with six friends who shared her vision to found an Eden garden that belonged to friends with disabilities, i.e. "Eden Social Welfare Foundation". Sticking to the concept of "Serving the Weak to Witness Christ, Promoting Gospel and Welfare to Bring People to God", Eden provides people with disabilities with a variety of social welfare services, passes on the message of the Christ's redemption, and implements its mission with emphasis equally placed on welfare and Gospel. Eden was originally founded to speak for people with disabilities and strive for their rights and interests, later entered a non-operating business management model and now has entered the international community. Currently, it has more than 100 service bases in Taiwan and serves 60,000 families with disabled and disadvantaged members every year.

Eden provides direct and professional social services for different service objects including children, people with disabilities and the elderly and has expanded its service scope from vocational training, employment counseling and spiritual rebuilding of adults with disabilities to the early-stage treatment and care services for developmentally delayed children and home care for the very elderly.

Adhering to the concept of "All People and All Career Care", Eden provides service users with physical, psychological and spiritual support.





# Taichung Faith, Hope and Love Intellectual Development Center-Loving Donation Box

Different children have their different merits. Ms. Lin Baozhen gave birth to a daughter with cerebral palsy due to difficult laborer. In consideration of the fact that there was no non-governmental agency providing services for the people with disabilities in Taichung county back then and parents had to spend more than half a day in going to place for such services, and children could only receive 1 or 2 hours' rehabilitation services, Ms. Lin began to have the idea of establishing a welfare institution for the disability.

Therefore, at the end of 1993, seven parents with handicapped children founded "Faith, Hope and Love Intellectual Development Center" and successively established multiple community-oriented small service bases in the Greater Taichung Region; over the years, this center has already provided professional services for nearly 10,000 children with disabilities and their families. The logo of Faith, Hope and Love is combined with three hearts. The heart in the middle represents the incompleteness of people with disabilities, which extends the expectations of parent groups. The hearts on the two sides represent the care and support from the general public and government so that people with disabilities can grow gradually and vigorously just as the core values of this center, i.e., "Love" and "Accompany".



Lingsen has coordinated with this center for a long time and set up a loving donation box in the company and invited colleagues to engage in public welfare activities and donate so as to make their contributions.

# Corporate Profile

#### 8.1 About Us

Established in 1973, the main operations of Lingsen Precision Industries, Ltd. include the "assembly, processing and testing of integrated circuits and a variety of semiconductor parts". Both R&D and manufacturing teams of Lingsen Precision are renowned for their quality production lines and process reliability and are favored by relevant enterprises in the world. The sophisticated assembly ability has been further verified by companies throughout the US, Europe, Japan, and China.

Currently, the Taichung factory of the company has 111,240 square meters, among which, 60,357 square meters have been used for the production building of quad flat non-leaded packaging products since 2013. Our factories have state-of-the—art, high-technology production facilities for advanced assembly and testing, as well as the full capacity to manufacture such assembly products as Dual Family, Quad Family, Under Lead Family, Optics Family, Discrete Family, and MEMS products.

#### Production and Operation Locations

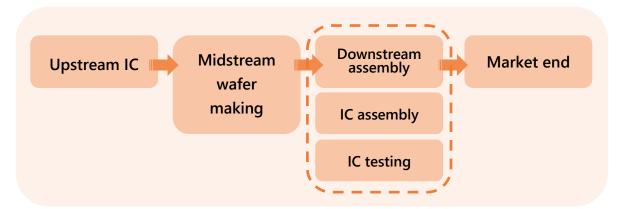
Based in Taiwan, we have set up customer service locations in both Taichung, Taiwan and California, US. Our head office is located in the Tanzi District of Taichung City and our production center is located in our Taichung factory.





### Service Scope

In the industrial structure of semi-conductors, our company provides customers with downstream IC assembly and testing services.



# Company Profile

Name	Lingsen Precision Industries, Ltd.
Establishment date	1973
Industry category	Assembly and testing of integrated circuits
Head Office	Tanzi Technology Industrial Park, Taichung City, Taiwan
Chairman	Shu-Chyuan Yeh
General Manager	Tse-Sung Tsai
Total Number of Employees within	2,374 (2024/12/31)
Disclosed Scope	2,374 (2024/12/31)
Lingsen Stock Code	2369 (listed on the Taiwan Stock Exchange)
Capital	NT\$3,801,023,440

# 8.2 Philosophy

By practicing the philosophies of "Innovation with a proactive attitude", "Integrity & commitment" and "Excellence & sharing", all Lingsen people work together to take the initiative to innovate in this industry, be honest and practical with customers, and promote excellent among our colleagues, to thus create win-win-win situation for the company, our customers, and our employees.



Excellence & sharing



Integrity & commitment



Innovation with proactive attitude



#### 8.3 Business Profile

#### 8.3.1 Technology and R&D Profile

In 2024, Lingsen devoted NT\$ 94,955,000 in research and development, which accounted for 2% of total revenue. Despite the fact that the scale of Lingsen cannot be compared with world-class assembly factories, we own a well-experienced R&D and engineering groups in the field of assembly technology to continually seek perfection with regards to assembly structure technology. In addition to the products that we have always traditionally assembled, technologies including stack technology, multi-chip modules, systems in packages, optical products and MEMS component packaging have already been under mature volume production; among these additional products, the MEMS component has great potential because it is light, thin, and compact, with a broad range of applications due to its functions of perception, calculation, and action. In order to respond to the "Waste Electrical and Electronic Equipment Directive (WEEE Directive), the "Restriction of the Use of Hazardous Substance Directive (RoHS Directive)", and the "Directive of Eco-design Requirement of Energy-using Products (EuP Directive)" from the European Commission, green products have already been introduced to the company, so as to commit to eco-friendly assembly.

### 8.3.2 Operation Performance

#### Table of Financial Performance over the Past Five Years (Unit: NT\$ thousands)

Oneveties neufermence item	IFRS						
Operation performance item	2020	2021	2022	2023	2024		
Operating income	4,628,930	6,489,676	5,113,539	4,725,754	4,611,858		
Net income or loss for current period	(164,343)	873,849	207,291	(156,458)	(168,228)		
Earnings per share (Loss) (NTD)	(0.44)	2.35	0.56	(0.42)	(0.45)		
Return on shareholders' equity (%)	(3.26)	16.18	3.58	(2.80)	(3.13)		
Total assets	6,849,357	8,399,125	7,781,781	6,939,505	6,617,766		
Capital expenditure	222,491	1,120,226	568,756	177,483	112,530		
Debt ratio (%)	27.77	30.31	26.60	21.51	20.23		
R&D expenses	138,918	143,554	131,024	101,360	94,995		

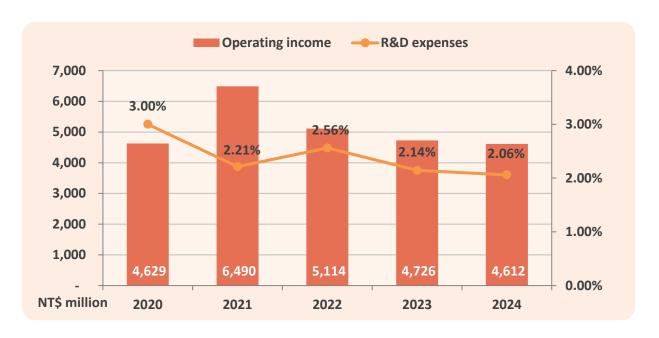
# Table of Sales Volume over the Two Years (Unit: thousand pcs)

	20	23	202	24
	Domestic Sales Export Sales		Domestic Sales	Export Sales
	Quantity	Quantity	Quantity	Quantity
Assembly and Test	3,618,346	890,930	3,761,666	944,773
Others	(Note1)	(Note1)	(Note1)	(Note1)
Total	3,618,346	890,930	3,761,666	944,773

Note1: Because the units of quantity are inconsistent, the quantity is not disclosed.



#### Financial Performance Chart for the Past Five Years



#### 8.3.4 Future Development and Competition

- (1) Provide customers with all-round services and actively engage in customer development and relationship management.
- (2) Committed to environmental protection, complying with environmental protection regulations, and fully introducing green construction products.
- (3) Actively innovate and take the lead in developing new technologies and new products in line with market trends and needs.
- (4) Continue to strengthen cost and expense control of existing production lines.
- (5) Deeply engage in the four major areas of corporate social responsibility of "corporate governance, corporate commitment, social participation, and environmental protection".

# 8.3.5 Involvement with External Organizations

# Membership in the following external organizations

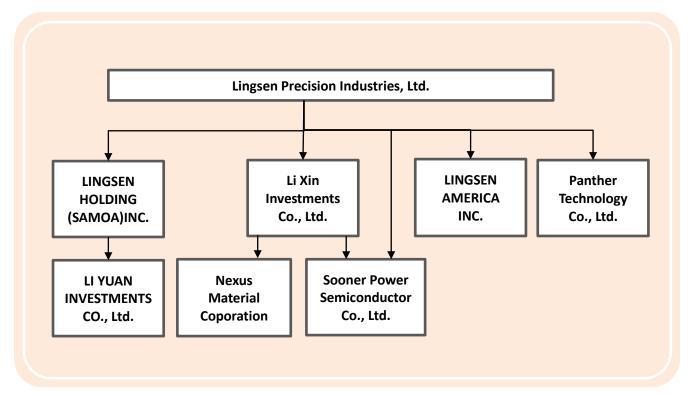
#### External organization in which Lingsen is a member

- **◆** Taiwan Semiconductor Industry Association
- **♦** Taiwan Electrical and Electronic Manufacturers' Association
- **◆** Taiwan Optoelectronic Semiconductor Industry Association
- ♦ Chungkang Technology Industrial Park Association



#### 8.3.6 Affiliates

# Affiliates Organization Chart



#### Affiliate Profiles

Name	Establishment Date	Address	Main Operation or Production Item
Lingsen America Inc.	Mar. 1998	1525 McCarthy Blvd Ste 1000, Milpitas, CA 95035	Agency business
Li Xin Investment Co., Ltd.	Sept. 1998	No. 5-1, South 2nd Rd., Tanzi Dist., Taichung City	General investment
Nexus Material Corporation	Mar. 2001	5F, No. 32-1, Guangfu Rd., Hsinchu Industrial Park, Hukou Township, Hsinchu County	Production and trade of electronic materials
Lingsen Holding(Samoa)Inc.	Aug. 2001	Portcullis Chambers, P.O. Box 1225, Apia, Samoa	General investment
Li Yuan Investments Co., Ltd.	May 2001	4th Floor, Harbour Place, 103 South Church Street, George Town, P.O. Box 10240, Grand Cayman KY1-1002, Cayman Islands. CaymanIslands, British West Indies	General investment
Panther Technology Co., Ltd.	May 1997	No. 32-1, Guangfu Rd., Hsinchu Industrial Park, Hukou Township, Hsinchu County	Testing of integrated circuits
Sooner Power Semiconductor	Nov. 2007	5F, No. 32-1, Guangfu Rd., Hsinchu Industrial Park, Hukou Township, Hsinchu County	Production of electronic components

Note: As of December 31, 2024



#### 8.4 Market Overview

Statistics from the Industrial Technology Research Institute predict that Taiwan's IC industry output value will reach NT\$5.3151 trillion in 2024, a 22.4% increase from 2023. The IC packaging industry will reach NT\$423.3 billion, a 7.7% increase from 2023, while the IC testing industry will reach NT\$200.2 billion, a 5.0% increase from 2023.

SEMI estimates that the semiconductor industry revenue will reach 1 trillion US dollars in the next decade. Reports from Gartner also depict that the global semiconductor market revenue can reach US\$630 billion in 2024, the growth rate is about 18.8%, and the revenue for 2025 can reach to US\$717 billion, the growth rate is about 13.8%. The semiconductor industry is projected to usher in a new round of growth driven in the next decade by rising global demand for artificial intelligence (AI) and high-performance computing (HPC), alongside the recovery of market demand for smartphones, PCs, servers and automotive and all of the new applications.

#### 8.4.1 Future Supply, Demand, and Growth

According to the latest forecast report released by WSTS, the global semiconductor market will rebound a robust growth in 2024 and 2025, expected a significant 19.1% YOY growth in 2024. Looking ahead to 2025, WSTS predicts that the global semiconductor market is expected to experience an extensively YOY growth of 11.2%, reaching a market size of \$697.9 billion. The Growth will largely be fueled by two Integrated Circuit segments: Memory sector and Logic sector.

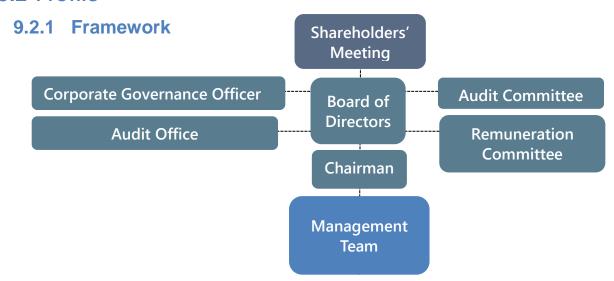
# O Corporate Governance

# 9.1 Principles

In accordance with the Company Act, the Securities and Exchange Act, and other related regulations of the R.O.C. regarding corporate governance, we established the Articles of Incorporation and our organization's structure. In addition to adhering to the above regulations and laws, the corporate governance system of Lingsen is based on the following principles:

- 1. In order to establish an effective corporate governance framework.
- 2. Protect the rights and interests of shareholders.
- 3. Strengthen the powers of the board of directors.
- 4. Fulfill the function of Audit Committee.
- 5. Respect the rights and interests of stakeholders.
- 6. Enhance information transparency.

#### 9.2 Profile



Our corporate governance is led by shareholders' meetings and the board of directors. To protect shareholders' basic rights and decision participation rights, as well as to treat all major and minor as well as foreign shareholders fairly, shareholders may exercise their voting rights through shareholders' meeting to participate in major operation decisions. Furthermore, with the board of directors' strategic guidance and effective supervision, we actively work toward the creation of wealth and jobs and improvement of finance regarding the legal rights and roles of stakeholders. Meanwhile, we ensure that the company's financial status, performance, ownership, and other important information are always correctly disclosed and kept transparent.



# **9.2.2 The Board of Directors and Supervisors**

Job Title	Name	gender	Date of election (appointment)	Term of service	Initial date of appointment	Major experience (education)
Chairman	Shu-Chyuan Yeh	Male	Jun. 10, 2022	3 years	Apr. 30, 1987	<ul><li>Graduated from Department of Psychology, Taiwan University</li><li>Chairman of the company</li></ul>
Director	Tse-Sung Tsai	Male	Jun. 10, 2022	3 years	Jun. 12, 2019	•Graduated from Department of Physics, Fu Jen Catholic University •General Manager of the company
Director	Ming-Te Tu	Male	Jun. 10, 2022	3 years	Jun. 12, 2019	<ul> <li>Graduated from Institute of Data Science &amp; Information Computing, National Chung Hsing University with a Master's Degree</li> <li>Deputy general manager of Lingsen Precision Industries</li> </ul>
Director	Shun-Ching Yang	Male	Jun. 10, 2022	3 years	Jun. 15, 2011	<ul> <li>Graduated from Department of Physics, University of Culture</li> <li>Assistant manager of Siliconware Precision Industries</li> <li>General Manager of Lingsen Precision Industries</li> </ul>
Director	Shu-Hsun Yeh	Male	Jun. 10, 2022	3 years	Jun. 10, 2015	<ul> <li>Graduated from Southeast University</li> <li>General manager of Dongguan Long Ting Interior Decoration</li> <li>Supervisor of Etrend Hightech Co.,Ltd.</li> </ul>
Director	Pin-Wen Fang	Male	Jun. 10, 2022	3 years	Jun. 12, 2019	<ul> <li>Department of Industrial Management,         New Taipei Municipal Tamsui Commercial         Industrial Vocational Senior High School</li> <li>Chairman of YiLiDe Business Administration         Consultant Co., Ltd.</li> <li>Chairman of Ming Yuan Sports Leisure Co.,         Ltd.</li> </ul>
Independent director	Feng-Hsien Shih	Male	Jun. 10, 2022	3 years	Jun. 15, 2016	<ul> <li>Doctor of Computer Science, University of Maryland, USA</li> <li>General Manager of Global Mixed-Mode Technology Inc</li> <li>General Manager of Lingsen Precision Industrial Co., Ltd.</li> <li>Director and Supervisor of Etrend Hightech Corp.</li> </ul>
Independent director	Wan-Pin Chen	Male	Jun. 10, 2022	3 years	Jun. 15, 2016	EMBA of National Sun Yat-sen University     Chairman of CHANG JUL Investment     Corporation
Independent director	Ping-Chi Wei	Male	Jun. 10, 2022	3 years	Jun. 15, 2016	<ul> <li>Department of Finance and Tax, National Chengchi University</li> <li>MBA of New York University</li> <li>Director and general manager of Fu Chu Knitting Co., Ltd.</li> <li>Director and general manager of Chin Fu Long Industries Co., Ltd.</li> </ul>



# Responsibilities of the Board of Directors.

On June 10, 2022, the company elected the 20th board of directors in the general shareholders' meeting. Acting with loyalty, precaution, a highly attentive attitude and the best interests of the company, the members of the Board of Directors shall evaluate operation strategies, risk management, the annual budget, and business performance, as well as supervise major capital expenditures, M&A, and investment disposal. Furthermore, they shall ensure the appropriateness of the accounting system and financial reports so that no behavior of the members of the Board of Directors can damage the company or its interest or cause conflicts between shareholders. The Board of Directors shall exercise prudence in selecting and supervising the management team, making objective judgments regarding company affairs, and selecting a capable internal audit officer to guarantee the effectiveness of the internal control process to prevent malpractice.

Currently, a meeting of the Board of Directors is held at least once a quarter, at which the management team will present reports about operation performance and the board will decide future operation directions and major policies of the company. Audit Office and Remuneration Committee that deliberates senior managers' remuneration are established under the Board of Directors. Matters reviewed and suggested by the Audit Office and the Remuneration Committee will be submitted to the Board of Directors for discussion so as to assist its decision-making.

#### 9.2.3 The Principle of Interests Avoidance for the Board of Directors

Lingsen established "Rules of Procedure for Board of Directors Meetings" to comply with "Regulations Governing Procedure for Board of Directors Meetings of Public Companies". Directors shall avoid discussing and voting on proposals that intersect with their personal interests as stipulated.

#### 9.2.4 Remuneration Committee

#### Members

In accordance with a resolution of the Board of Directors passed on December 8, 2011, the Remuneration Committee and its regulations were established. A member's professional qualifications, performance of duties, establishment of organization regulations, and other relevant issues shall be based on the "Regulations Governing the Appointment and Exercise of Powers by the Remuneration Committee of a Company Whose Stock is Listed on the Stock Exchange or Traded over the Counter". The list of incumbent members is shown as follows:

Job Title	Name	Date of appointment	Actual attendance rate in 2024	
Convener	Feng-Hsien Shih	Jun. 10, 2022	100%	
Member	Wan-Pin Chen	Jun. 10, 2022	100%	
Member	Ping-Chi Wei	Jun. 10, 2022	100%	



# Major Responsibilities

- ①Regularly review the company's Remuneration Committee's organizational charter and make amendment recommendations.
- ②Establish and regularly review the policies, systems, standards and structures for the company's annual and long-term performance targets and salary remuneration for directors and managers.
- ③Regularly evaluate the achievement of performance targets of the company's directors and managers, and determine the content and amount of their individual salary remuneration.

#### 9.2.5 Internal Audit

A comprehensive internal control system will be developed and effectively implemented in order to improve company operations and aid the Board of Directors and management to properly perform their duties. The adequateness and effectiveness of our internal controls will be reviewed and rechecked to ensure that our internal audit system properly performs self-evaluations in order to aid the Board of Directors and management to guarantee the appropriateness, reliability, and timeliness of financial, management, and operation data. The Board of Directors and management shall also annually review the self-evaluation results from each unit and the audit reports from the audit unit in order to prepare an internal control statement that will be periodically reported to the competent authorities. Furthermore, the internal audit unit shall periodically audit all departments to determine whether they are following the relevant laws and regulations. Once both routine and periodic audits have been completed, the results shall be reported to the Board of Directors which will continue to track any follow-up improvement measures.

### 9.2.6 Improve Information Transparency

We use a spokesman system and the Market Observation Post System (MOPS) to properly inform shareholders and stakeholders regarding our financial matters and the impact that the exercise of corporate governance had on shareholders' equity. Our financial information is disclosed in accordance with Article 36 of the Securities and Exchange Act. Regarding material information that has a major impact on shareholders' equity, announcements are made through the MOPS in a timely manner to prevent damaging shareholders' interests.

# 9.3 Ethical Management (Code of Conduct and Moral Standards)

In order to ensure the sustainable management and development of the company, Lingsen Precision formulates an integrity-based policy and establishes a sound corporate governance and risk control mechanism by sticking to the management concepts of honesty and transparency so as to continuously carry on the corporate culture of integrity management. Lingsen has already formulated "Ethical Corporate Management Best Practice Principles" and "Code of Ethics" in 2014 for all directors, managers and colleagues to follow, with the purpose of improving the behavioral quality and professional ethics of the company and all colleagues from top to bottom.



# Formulation and Observation of Regulations



For details of relevant regulations, please refer to the rules and regulations pertaining to corporate governance. <a href="http://www.lingsen.com.tw/webc/html/investor/CorporateGovernance.aspx?#IR33">http://www.lingsen.com.tw/webc/html/investor/CorporateGovernance.aspx?#IR33</a>

# Educational Training

In order to ensure that all the colleagues in the company learn "Ethical Corporate Management Best Practice Principles" and implement "Code of Ethics", all new colleagues (100%) shall receive relevant educational training and advocacy in rookie training. The training contents include important topics such as prohibition of dishonesty, prohibition of improper interests, prohibition of bribery and disciplinary measures.

#### Statistics of Violations

Lingsen periodically convenes "Meeting for Establishment of Employees' Behavioral Moral Management Objectives" every year to review the number and conditions of violations committed by employees in current year, as well as necessity to add or revise the contents of relevant principles and codes and stipulate the objectives of next year.

Number of violations of moral standards in 2024: "0"; objective for 2025: "0"

# Complaint Methods

Prevent and avoid major misconducts, encourage the open communication with employees and third parties, and submit reports through the following approaches when any unfair treatment in the workplace is doubted, discovered or encountered:

#### Internal

General manager's mailbox (physical mailbox in each factory area) HR email: <a href="mailto:graceliu@lingsen.com.tw">graceliu@lingsen.com.tw</a>

#### External

Email of General Manager's Office: rogerliu@lingsen.com.tw

# 1 Appendix

# 10.1 Report Overview

Lingsen Precision Industries, Ltd. began releasing "Corporate Social Responsibility Report" since 2013 and renamed it as "Sustainability Report" in 2022 based on the government provisions to completely disclose the impacts faced by Lingsen during its operations regarding ESG (Environment, Social and Governance) as well as relevant information on the issue of sustainability. Lingsen continually notifies its concerns over environmental protection, social justice and employees' benefits to each stakeholder.

# Scope

This report addresses matters regarding sustainability that are relevant to both our operation development and stakeholders from January 1, 2024 to December 31, 2024. The discoveries herein pertain only to our Taichung factory, where our Taiwan headquarters is maintained (any subsidiaries in Taiwan and China are not included). Any financial statements herein are expressed in NT dollars. This report is updated once every year. No situation of information reassembly exists in this year's "2024 Sustainability Report".

# Compilation Principles and Outlines

Lingsen prepares this report in accordance in GRI Standards as the basis for information disclosure, and issues concerned by stakeholders have been substantially analyzed and comprehended as the content structure of this corporate social responsibility report. Please refer to Comparison Table of GRI Standards in the appendix for further details.

#### Contact Us

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# 10.2 Comparison Table of GRI Standards

Standard	Main content of indicator	Relevant chapter/ note in this report	Page			
GRI 1: Foundation 2021						
GRI 2: Gen	eral Disclosures 2021					
1. The orga	anization and its reporting practices					
2-1	Organizational details	8.1 About Us	57			
2-2	Entities included in the organization's sustainability reporting	8.1 About Us	57			
2-3	Reporting period, frequency and contact point	10.1 Report Overview	68			
2-4	Restatements of information	10.1 Report Overview	68			
2-5	External assurance	NA	NA			
2. Activitie	es and workers					
2-6	Activities, value chain and other business relationships	8.1 About Us	57			
2-7	Employees	5.2 Equal Employment Opportunities, Labor Restriction	39			
2-8	Workers who are not employees	5.2 Equal Employment Opportunities, Labor Restriction	39			
3. Govern	ance					
2-9	Governance structure and composition	9.2 Profile	63			
2-10	Nomination and selection of the highest governance body	9.2 Profile	63			
2-11	Chair of the highest governance body	9.2 Profile	63			
2-12	Role of the highest governance body in overseeing the management of impacts	9.2 Profile	63			
2-13	Delegation of responsibility for managing impacts	9.2 Profile	63			
2-14	Role of the highest governance body in sustainability reporting	9.2 Profile	63			
2-15	Conflicts of interest	9.2 Profile	63			
2-16	Communication of critical concerns	4.2 Significance Analysis of Stakeholders	32			
2-17	Collective knowledge of the highest governance body	9.2 Profile	63			
2-18	Evaluation of the performance of the highest governance body	9.2 Profile	63			
2-19	Remuneration policies	9.2 Profile	63			
2-20	Process to determine remuneration	9.2 Profile	63			
2-21	Annual total compensation ratio	5.1 Salary and Benefit	36			
4. Strategy	y, policies and practices					
2-22	Statement on sustainable development strategy	2.4 Sustainable Development Strategies	5			
2-23	Policy commitments	2.4 Sustainable Development Strategies	5			
2-24	Embedding policy commitments	2.4 Sustainable Development Strategies	5			



Standard	Main content of indicator	Relevant chapter/ note in this report	Page				
2-25	Processes to remediate negative impacts	9.3 Ethical Management	66				
2-26	Mechanisms for seeking advice and raising concerns	9.3 Ethical Management	66				
2-27	Compliance with laws and regulations	9.3 Ethical Management	66				
2-28	Membership associations	8.3 Business Profile	59				
5. Stakeho	5. Stakeholder engagement						
2-29	Approach to stakeholder engagement	4.2 Significance Analysis of Stakeholders	32				
2-30	Collective bargaining agreements	5.5 Labor Relations	47				
GRI 3: Mat	erial Topics 2021						
3-1	Process to determine material topics	4.1 Stakeholder Identification and Communication	31				
3-2	List of material topics	4.2 Significance Analysis of Stakeholders	32				
3-3	Management of material topics	4.2 Significance Analysis of Stakeholders	32				
GRI 201 Ec	onomic Performance 2016						
201-1	Direct economic value generated and distributed	8.3 Business Profile	59				
201-2	Financial implications and other risks and opportunities due to climate change	3.1 Environmental Management	7				
201-3	Defined benefit plan obligations and other retirement plans	5.1 Salary and Benefit	36				
GRI 204 Pr	ocurement Practices 2016						
204-1	Proportion of spending on local suppliers	6.2 Supplier Management	50				
GRI 205 Ar	nti-corruption 2016						
205-1	Operations assessed for risks related to corruption	9.2 Profile	63				
205-2	Communication and training about anti-corruption policies and procedures	9.3 Ethical Management	66				
205-3	Confirmed incidents of corruption and actions taken	9.3 Ethical Management	66				
GRI 206 Ar	nti-competitive Behavior 2016						
206-1	Legal actions for anti-competitive behavior, anti-trust, and monopoly practices	9.3 Ethical Management	66				
GRI 301 M	aterials 2016						
301-1	Materials used by weight or volume	3.4 Management and Procurement of Raw Materials	22				
301-2	Recycled input materials used	Lingsen does not use recycled materials	NA				
301-3	Reclaimed products and their packaging materials	3.5 Air Pollution and Waste Recycling Management	23				
GRI 302 En	ergy 2016						
302-1	Energy consumption within the organization	3.2 Carbon Management	13				
302-2	Energy consumption outside of the organization	3.2 Carbon Management	13				
302-3	Energy intensity	3.2 Carbon Management	13				
302-4	Reduction of energy consumption	3.2 Carbon Management	13				



Standard	Main content of indicator	Relevant chapter/ note in this report	Page
302-5	Reductions in energy requirements of products and services	3.3 Green Products	30
GRI 303 W	ater and Effluents 2018		
303-1	Interactions with water as a shared resource	3.6 Water Resource Management	27
303-2	Management of water discharge-related impacts	3.6 Water Resource Management	27
303-3	Water withdrawal	3.6 Water Resource Management	27
303-5	Water consumption	3.6 Water Resource Management	27
GRI 305 En	nissions 2016		
305-1	Direct (Scope 1) GHG emissions	3.2 Carbon Management	13
305-2	Energy indirect (Scope 2) GHG emissions	3.2 Carbon Management	13
305-3	Other indirect (Scope 3) GHG emissions	3.2 Carbon Management	13
305-4	GHG emissions intensity	3.2 Carbon Management	13
305-5	Reduction of GHG emissions	3.2 Carbon Management	13
305-6	Emissions of ozone-depleting substances (ODS)	3.5 Air Pollution and Waste Recycling	23
306-7	Nitrogen oxides (NOx), sulfur oxides (SOx), and other significant air emissions	Management  3.5 Air Pollution and Waste Recycling  Management	23
GRI 306 W		- managament	
306-1	Waste generation and significant waste-related impacts	3.5 Air Pollution and Waste Recycling Management	23
306-2	Management of significant waste related impacts	3.5 Air Pollution and Waste Recycling Management	23
306-3	Waste generated	3.5 Air Pollution and Waste Recycling Management	23
306-4	Waste diverted from disposal	3.5 Air Pollution and Waste Recycling Management	23
306-5	Waste directed to disposal	3.5 Air Pollution and Waste Recycling Management	23
GRI 308 Su	pplier Environmental Assessment 2016		
308-1	New suppliers that were screened using environmental criteria	6.2 Supplier Management	50
308-2	Negative environmental impacts in the supply chain and actions taken	6.2 Supplier Management	50
GRI 401 En	nployment 2016		
401-1	New employee hires and employee turnover	5.2 Equal Employment Opportunities, Labor Restriction	39
401-2	Benefits provided to full-time employees that are not provided to temporary or part-time employees	5.1 Salary and Benefit	36
401-3	Parental leave	5.1 Salary and Benefit	36
GRI 402 La	bor/Management Relations 2016		
402-1	Minimum notice periods regarding operational changes	5.5 Labor Relations	47
GRI 403 Oc	ccupational Health and Safety 2018		



Standard	Main content of indicator	Relevant chapter/ note in this report	Page
403-1	Occupational health and safety management system	5.3 Occupational Safety and Health	43
403-2	Hazard identification, risk assessment, and incident investigation	5.3 Occupational Safety and Health	43
403-3	Occupational health services	5.3 Occupational Safety and Health	43
403-4	Worker participation, consultation, and communication on occupational health and safety	5.3 Occupational Safety and Health	43
403-5	Worker training on occupational health and safety	5.3 Occupational Safety and Health	43
403-6	Promotion of worker health	5.3 Occupational Safety and Health	43
403-7	Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	5.3 Occupational Safety and Health	43
403-8	Workers covered by an occupational health and safety management system	5.3 Occupational Safety and Health	43
403-9	Work-related injuries	5.3 Occupational Safety and Health	43
403-10	Work-related ill health	5.3 Occupational Safety and Health	43
GRI 404 Tra	aining and Education 2016		
404-1	Average hours of training per year per employee	5.4 Educational Training	45
404-2	Programs for upgrading employee skills and transition assistance programs	5.4 Educational Training	45
404-3	Percentage of employees receiving regular performance and career development reviews	5.1 Salary and Benefit	36
GRI 405 Di	versity and Equal Opportunity 2016		
405-1	Diversity of governance bodies and employees	5.2 Equal Employment Opportunities, Labor Restriction	39
GRI 406 No	on-discrimination 2016		
406-1	Incidents of discrimination and corrective actions taken	5.5 Labor Relations	47
GRI 407 Fr	eedom of Association and Collective Bargaining 20	16	
407-1	Operations and suppliers in which the right to freedom of association and collective bargaining may be at risk	5.5 Labor Relations 6.2 Supplier Management	47 50
GRI 408 Ch	ild Labor 2016		
408-1	Operations and suppliers at significant risk for incidents of child labor	5.5 Labor Relations 6.2 Supplier Management	47 50
GRI 409 Fo	rced or Compulsory Labor 2016		
409-1	Operations and suppliers at significant risk for incidents of forced or compulsory labor	5.5 Labor Relations 6.2 Supplier Management	47 50
GRI 413 Lo	cal Communities 2016		
413-1	Operations with local community engagement, impact assessments, and development programs	7.2 Charity Care	55
GRI 414 Su	pplier Social Assessment 2016		
414-1	New suppliers that were screened using social criteria	6.2 Supplier Management	50



Standard	Main content of indicator	Relevant chapter/ note in this report	Page	
414-2	Negative social impacts in the supply chain and actions taken	6.2 Supplier Management	50	
GRI 416 Cu	GRI 416 Customer Health and Safety 2016			
416-1	Assessment of the health and safety impacts of product and service categories	5.3 Occupational Safety and Health	43	
416-2	Incidents of non-compliance concerning the health and safety impacts of products and services	NA	NA	
GRI 418 Customer Privacy 2016				
418-1	Substantiated complaints concerning breaches of customer privacy and losses of customer data	6.1 Customer Service and Satisfaction	49	



# 10.3 Sustainability Accounting Standards Board index

Topic	Code	Metric	Relevant chapter/ note in this report	Page
	TC-SC-110a.1	(1) Gross global Scope 1 emissions and (2) amount of total emissions from perfluorinated compounds	3.2 Carbon Management 3.5 Air Pollution and Waste Recycling Management	13 23
Greenhouse Gas Emissions	TC-SC-110a.2	Discussion of long- and short-term strategy or plan to manage Scope 1 emissions, emissions reduction targets, and an analysis of performance against those targets	10.5 Climate-Related Information of TWSE/TPEx Listed Company	76
Energy Management in Manufacturing	TC-SC-130a.1	<ul><li>(1) Total energy consumed,</li><li>(2) percentage grid electricity and</li><li>(3) percentage renewable</li></ul>	3.2 Carbon Management	13
Water Management	TC-SC-140a.1	(1) Total water withdrawn, (2) total water consumed; percentage of each in regions with High or Extremely High Baseline Water Stress	3.6 Water Resource Management	27
Waste Management	TC-SC-150a.1	(1) Amount of hazardous waste from manufacturing, (2) percentage recycled	3.5 Air Pollution and Waste Recycling Management	23
Workforce	TC-SC-320a.1	Description of efforts to assess, monitor, and reduce exposure of workforce to human health hazards	5.3 Occupational Safety and Health	43
Health & Safety	TC-SC-320a.2	Total amount of monetary losses as a result of legal proceedings associated with employee health and safety violations	5.3 Occupational Safety and Health	43
Recruiting & Managing a Global & Skilled Workforce	naging a pal & TC-SC-330a.1  TC-SC-330a.1  Percentage of employees that require a work visa		5.2 Equal Employment Opportunities, Labor Restriction	39
Materials Sourcing	TC-SC-440a.1	Description of the management of risks associated with the use of critical materials	6.2 Supplier Management	50
Intellectual Property Protection & Competitive Behaviour	TC-SC-520a.1	Total amount of monetary losses as a result of legal proceedings associated with anti-competitive behaviour regulations	There will be no legal proceedings related to anticompetitive conduct regulations in 2024.	-



## 10.4 Sustainability Disclosure Indicators-Semiconductor Industry

No.	Indicator	Indicator type	Unit	Annual Disclosure
1	Total energy consumption, percentage of purchased electricity, utilization rate (renewable energy)	Quantitative	Gigajoules (GJ), percentage (%)	<ul> <li>The total energy consumption is 428,682.2832 GJ.</li> <li>100% purchased electricity.</li> <li>Renewable energy usage is 0.1310%.</li> </ul>
2	Total water withdrawn, total water consumption	Quantitative	Thousand cubic meters (1000m3)	•The total water withdrawal is 1,014.8590 thousand m <sup>3</sup> . •The total water consumption is 268.3800 thousand m <sup>3</sup> .
3	Total hazardous waste generated and percentage recycled	Quantitative	Metric tons (t), percentage (%)	•The total hazardous waste is 84.5318 metric tons. •The recycling percentage is 0% for hazardous waste.
4	Types of, number of employees in and rate of occupational accidents	Quantitative	Percentage (%), quantity	<ul> <li>No occupational accident types.</li> <li>In occupational accidents, the number of employees is 0 and the rate of employees is 0%.</li> </ul>
5	Product Lifecycle Management Disclosure: including weights of scraps and electronic waste and percentage recycled (Note 1)	Quantitative	Metric tons (t), percentage (%)	Not applicable. (Lingsen is not a terminal product manufacturer)
6	Description of the management of risks associated with the use of critical materials	Qualitative description	Not applicable	Please refer to <b>6.2 Supplier Management</b> .
7	Total amount of monetary losses as a result of legal proceedings associated with anti-competitive behavior regulations	Quantitative	Reporting currency	There will be no legal proceedings related to anticompetitive conduct regulations in 2024.
8	Production by product category	Quantitative	Varies by product category	Total production of assembly and test was 4,706,439 thousand pcs.

Note 1: Descriptions including the sale of scraps and the recycling and processing of waste shall be provided.



## 10.5 Climate-Related Information of TWSE/TPEx Listed Company

10.5.1 Implementation status of climate-related information

10.5.1 Implementation status of climate-related information							
ltem		Implementation status					
1. Describe the board of directors' and management's oversight and governance of climate-related risks and opportunities.	Climate Change Governance and Management Framework  Framework for the strategies to promote climate change and sustainable management, the Board plays the supervising and guiding role by authorizing the Corporate Sustainability Committee to assist in supervising management practices related to corporate sustainability and climate change. The Committee, chaired by the General Manager, is a cross-department communication platform that integrates climate action resources, guides the climate change adaptation and mitigation management plans, shall report to the Board annually on the progress of climate-related issues.  The CSR Committee oversees the Environmental Sustainability Sub-Committee to improve environmental management performance, led by senior executives, formulates management plans, reviews implementation status, and discusses future plans periodically.  The company also incorporates internal audit and internal control functions to ensure that the risks associated with operations are effectively controlled.						
	medium-term (within occurrences.  (1) Transition Risks	nities are distinguished the next 5 years), and  ' Operational Emission Reportations.  Risk content	long-term (more than	5 years in the future)			
	Increasing GHG emissions, regulations against GHG emissions, and other requirements	Implementation of mandatory emission reduction regulation	Carbon pricing legal control	•Increased cost of carbon fee.			
2. Describe how the identified climate	Customers' requirements to save energy and reduce carbon emissions	Voluntary business reduction (Trend or customer request)	Renewable energy procurement	•Increase operating cost, •Increased procurement costs for Power Purchase Agreements (PPA) or REC.			
risks and opportunities affect the business, strategy, and	Power shortage or outage	Unstable power supply will limit production capacity	Impact operations and ability to meet customer demand	Decrease operating revenue.			
finances of the business (short, medium, and long	Key response measures: Set ambitious carbon reduction targets, implements GHG reduction practices						
term).	(2) Physical risk Climate Risk	Risk content	Operational impacts	Financial Impacts			
	Drought	Operational disruptions due to drought	Production interruption	Production disruptions are caused to decrease operating revenue			
	Heavy rainfall	Heavy rainfall exceeding the maximum capacity	Production interruption	•Increase operating cost due to damaged equipment and personnel absent.			
	Temperature rise	Increase in electricity consumption, cost, and carbon emissions.	Increase in electricity consumption, cost, and carbon emissions.	•Increase operating cost			
	l	: Establish a water monit ed by senior executives to					



Item	Implementation status				
	(3) Climate Opportunities				
	Climate Risk	Risk content	Operational impacts	Financial Impacts	
	Emission reduction measures to improve production efficiency	Replacement of High energy-consuming equipment	Improve the efficiency of energy and resource Use	Operational costs     reduction	
3. Describe the financial impact of extreme weather events and transition actions.	Please refer to Item.2 of	f this table.			
4. Describe how climate risk identification, assessment, and management processes are integrated into the overall risk management system.	Please refer to "Item.1 (	Climate Change Governan	ce and Management Fran	nework" of this table.	
5. If scenario analysis is used to assess resilience to climate change risks, the scenarios, parameters, assumptions, analysis factors and major financial impacts used should be described.	The company has not ye	et conducts climate-relate	ed scenario analysis.		
		nd Carbon Reduction in O	-		
6. If there is a transition plan for managing climaterelated risks, describe the content of the plan, and the indicators and targets used to identify and manage physical risks and transition risks.	(1) Reduction targets Through ISO 14064 impact on the compstrategies. The reduce emissions by 10% conto achieve Carbon No. (2) Main Initiatives Based on the Carbon following the emission and energy efficiency. (3) Amount invested in conservation or green in NT\$906,000 investion and (b) green electric. (2) NT\$8,721,000 investion of the compress, conserved energy-saving measure. 2. Climate Change Adamatical in Targets (1) Targets	any's operations, and assection targets for 2030 are impared to the 2021 basel eutral by 2050.  On Neutral, the company ons roadmap, including low improvements.  In environmentally sustain energy, and correspondited into reducing GHG encity to reduce power consested into energy-saving d 1,160,000kWh/year in the infacility equipment.  Optive Management Strate eres to the concept of section are set of the concept	closure of greenhouse gases the risks of Scope 1 as to reduce Scope 1 and sine year. And to reduce 50 y actively implements Gly-carbon manufacturing, which includes (in projects: nissions, which includes (in the projects). Total reduced	and 2 and the mitigation accope 2 greenhouse gas 3% by 2040. The target is the HG reduction measures use of renewable energy, ment related to energy a) purchased 156 T-RECs (year. des replaced cooling air 650 tons of CO2e with evater resources and will	



Item		Implementation status				
	overall recycling system reached 0.4 million m3 each year, to improve its water resource management.  ②Increase energy efficiency, saving rate reaches 10% between 2021 and 2030 through energy-saving measures. The target is to achieve 40% cumulative energy-saving rate by 2050.  (2) Main Initiatives  ①Implements water conservation and use practices in strengthening the company's climate resilience, such as improved usage efficiency of recycled water and purchasing backup water sources.  ②Implements energy saving practices, such as lighting energy savings, A.C. energy savings & increased its performance, manufacturing tools standby energy savings.					
7. If internal carbon pricing is used as a planning tool, the basis for setting the price should be stated.	The company will c relevant regulations	The company has not yet conducts internal carbon pricing as a planning tool.  The company will considered the international carbon market prices, the carbon prices of GHG relevant regulations and the costs of reducing greenhouse gas emissions of the company to set an internal carbon price. The company will use it as a reference for carbon reduction management and planning.				
8. If climate-related targets have been set, the activities covered, the scope of greenhouse gas emissions, the planning horizon, and the progress achieved each year should be specified. If carbon credits or renewable energy certificates (RECs) are used to achieve relevant targets, the source and quantity of carbon credits or RECs to be offset should be specified.	Please refer to Item.6, item 9 of this table.					
	Baseline year	The baseline year for greenhouse gas reduction is 2021, with total emissions of 67,572.1711 tons of CO2e for Scope 1 and Scope 2.				
	Reduction targets	The reduction targets for 2030 are to reduce Scope 1 and Scope 2 greenhouse gas emissions by 10% compared to the 2021 baseline year. And to reduce 50% by 2040. The goal is to achieve Carbon Neutral by 2050.				
	Reduction strategies	(1) Renewable energy adoption. (2) Reducing direct emissions.				
9.Greenhouse gas inventory and assurance status.	Specific action plans	<ol> <li>(1) Replace old equipment to improve energy efficiency.</li> <li>(2) Promote various energy-saving measures.</li> <li>(3) Install solar photovoltaic system.</li> <li>(4) Promote the purchase of renewable energy.</li> <li>(5) Carry out ISO 14064 GHG inventory and promotes the product carbon footprint inventory program to grasp GHG emissions hotspots and reduction potential.</li> <li>(6) Promote the GHG inventory and verification program of subsidiaries.</li> </ol>				
	Results	The greenhouse gas emissions inventory and assurance results are shown in <b>10.5.2 Greenhouse Gas Inventory and Assurance Status</b> °				



#### 10.5.2 Greenhouse Gas Inventory and Assurance Status

#### **GHG** Emissions

Year	Scope			Intensity (Metric tons CO2e/NT\$ 1 million)	
	(Note1)	Scope 1(Note2)	Scope 2(Note2)	Scope 3(Note2)	Scope 1+2
2024	Parent company -Lingsen	1,495.8513	56,271.0235	12,015.4478	12.53
2023	Parent company -Lingsen	1,690.9313	59,980.8035	12,235.6261	13.05

Note1: According to the regulations of Sustainable Development Roadmap for TWSE/TPEx Listed Company, the company shall at least disclose the parent company's inventory information this year.

Note2: Scope 1: Direct emissions, i.e. sources owned or controlled by the Company.

Scope 2: Indirect emissions, i.e. those arising from externally purchased electricity, heat or steam.

Scope 3: Other indirect greenhouse gas emissions, i.e. emissions from company activities that are not energy indirect emissions but come from other owned or controlled emission sources.

#### Verification Status

Year	Scope		Verification Party	Standards	Verification Status
	Parent	Scope 1			Reasonable Assurance
2024	2024 company -	Scope 2	BSI	ISO14064-3	Reasonable Assurance
Lingsen	Lingsen	Scope 3			Validation & agreed-upon procedures
	Parent	Scope 1			Reasonable Assurance
2023	company - Lingsen	Scope 2	BSI	ISO14064-3	Reasonable Assurance
		Scope 3			Validation & agreed-upon procedures

For the Greenhouse Gas Emission Verification Opinion Statement of the company, please refer to the company's website at: <a href="https://www.lingsen.com.tw/webe/html/about/a

# 10.5.3 Greenhouse gas reduction targets, strategies and specific action plans

Please refer to item 9 of "10.5.1 Implementation status of climate-related information".



# 10.6 Comparison Table of Execution of Sustainable Development Goals (SDGs) of the United Nations

SDGS	Execution achievement	Page
3 GOOD HEALTH	<ul> <li>Lingsen has hired professional nursing staff, including arranging physical examination for new employees, and conducting regular health checkups and health checkups for special operation every year.</li> <li>Visits from the factory nurse are scheduled, including a reminder of considerations in daily life, coordination of the appropriateness of work scheduling, and a field doctor consulting</li> </ul>	45
5 GENDER EQUALITY	<ul> <li>Until year end of 2024, there were 2,374 employees in total, with 1,054 male employees (44%) and 1,320 female employees (56%).</li> <li>We recruit talents in principles of gender equality and strives to realize gender equality without discrimination on employees' welfare.</li> </ul>	40 47
7 RENEWABLE ENERGY	◆ The whole factory recycled 490,858t of wastewater in 2024 to continually improve the reutilization rate of recycled water.	28
8 GOOD JOBS AND ECONOMIC GROWTH	<ul> <li>We values employees' health and rights and implement the policy of prohibition of child labor.</li> <li>We attract talents to join us through industry-university cooperation and campus recruitment.</li> <li>We hire employees with disabilities through employment coaching institutions of the government and continually pay attention to their experience.</li> </ul>	47 54 40
10 REDUCED INEQUALITIES	<ul> <li>We abide by relevant domestic laws and regulations regarding gender equality, right to work and prohibition of discrimination and follow RBA Responsibility Business Alliance with regards to freedom of association, prohibition of child labor, human treatment, etc.</li> <li>The salaries we pay our employees comply with relevant remuneration laws and regulations.</li> </ul>	47 36
12 RESPONSIBLE CONSUMPTION	<ul> <li>Implement environmental management system and improve environment coexistence and co-prosperity.</li> <li>We generated approximately 801.054t of waste in 2024 and conducted recycling of such waste as stipulated.</li> </ul>	7 26
13 CLIMATE ACTION	<ul> <li>We continually execute greenhouse gas emission reduction program and reduce the emissions of greenhouse gases through adjustment of manufacturing processes. Also, we lower the impact of climate and environment through water-saving and energy-saving measures.</li> <li>It is our social responsibility to lower environmental load through complete management and joint involvement of all our colleagues. We will implement the concepts of safety, health and environmental protection and become a green and sustainable enterprise.</li> </ul>	4 7
16 PEACE AND JUSTICE	<ul> <li>With diverse communication accesses, we provide two-way communication between the company and its employees.</li> <li>We periodically hold labor relations conferences to communicate and negotiate with each other to solve problems. Also, we have an employee complaint handling system to assist employees in solving problems that damage their personal rights and interests.</li> </ul>	33 48



# 10.7 Ten Principles of the United Nations Global Compact

Classification	Ten Principles	Description	Page
Human Rights	Businesses should support and respect the protection of internationally proclaimed human rights;	Lingsen adheres to its human rights policies and Ten Principles of the United Nations Global Compact, implements RBA Responsibility Alliance and treat and respect all incumbent colleagues, contract workers and temporary workers in a dignified way.	2 5
	make sure that they are not complicit in human rights abuses.	We advocates the moral standards in RBA Responsibility Alliance and implement responsible supply chain management and procurement of conflict-free materials.	6 51
Labor	Businesses should uphold the freedom of association and the effective recognition of the right to collective bargaining;	Lingsen respects employees' right to freedom of association and periodically convenes labor relations coordination conferences. Please refer to "5.5 Labor Relations".	47
	the elimination of all forms of forced and compulsory labour;	"Prohibition of Forced Labor" is stipulated in our executive guideline of "No Forced Labor in Salary and Benefits".	47
	the effective abolition of child labour; and	"Prohibition of Child Workers" is stipulated in our executive guideline of "Respect Human Rights in Labor Relations".	47
	the elimination of discrimination in respect of employment and occupation.	"Elimination of Illegal Discrimination to Ensure Equal Employment Opportunities" is a criterion adopted in our "Equal Employment-Talent Recruitment".	47
Environment	Businesses should support a precautionary approach to environmental challenges;	"Continually Promoting Green Plant, Green Manufacturing and Green Supply Chain and Controlling Environmental Protection Risks" is our environmental protection strategy.	7
	undertake initiatives to promote greater environmental responsibility; and	Work with suppliers and customers to lower environmental impact together.	12
	encourage the development and diffusion of environmentally friendly technologies.	Continually improve energy resource consumption, waste management and pollution prevention and control performance and establish a semiconductor green supply chain with suppliers and customers together.	4
Anti- corruption	Businesses should work against corruption in all its forms, including extortion and bribery.	"Integrity Management" is our criterion and we prohibit any form of unlawful bribery among employees.	66



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