曦智科技

2025

Environmental, Social and Governance Report



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1. About This Report

This report is the first Environmental, Social and Governance report (the "**Report**") issued by Shanghai Xizhi Technology Co., Ltd. ("**the Company**", "**Lightelligence**"), which comprehensively presents the commitments, strategies, management practices, and achievements of the Company and its subsidiaries (the "**Group**", "**We**") in environmental, social, and governance ("**ESG**") matters.

Reporting Period

This report is an annual publication covering the period from January 1, 2025 to December 31, 2025 (the "**Reporting Period**").

Reporting Scope

Unless otherwise stated, the policies, statements, and data covered in this report apply to the actual business operations of Shanghai Xizhi Technology Co., Ltd. and its subsidiaries.

Reporting Principles

This report has been prepared in accordance with the Appendix C2 *Environmental, Social and Governance Reporting Code* (the "**ESG Reporting Gode**") of the *Rules Governing the Listing of Securities on The Stock Exchange of Hong Kong Limited*. The preparation of this report follows the reporting principles below:

Materiality: During the preparation of this report, key stakeholders were identified, and material ESG issues were determined through stakeholder engagement and materiality assessments.

Quantitative: This report presents key performance indicators on environmental and social aspects using quantitative data, supplemented with explanations to clarify their purposes and impacts.

Balance: This report follows the principle of balance, objectively presenting the Group's current ESG management status.

Consistency: This report is the first ESG report issued by the Group, and consistent methodologies will be maintained in future annual reports.

Data Notes

The data used in this report are derived from internal statistical reports or documents of the Group. Unless otherwise stated, all financial figures in this report are denominated in Renminbi (RMB).

Report Languages

This report is published in both Traditional Chinese and English. In case of any discrepancy, the Traditional Chinese version shall prevail.

Publication Format

This report is available on the Hong Kong Exchange's website (https://www.hkex.com.hk) and the Group's official website.

Contact Information

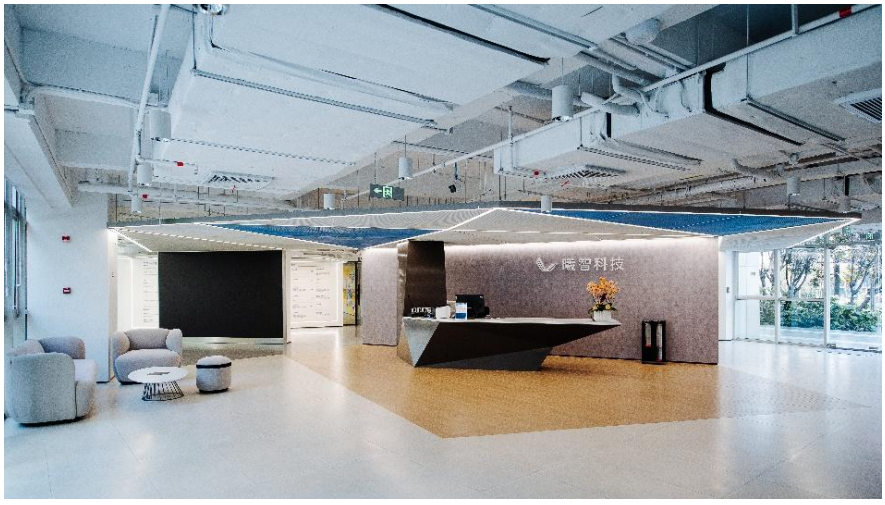
The Group values feedback from stakeholders and welcomes readers to contact us via our official website. Your input will help us further improve this report and enhance the Group's overall sustainability performance.

2. About Lightelligence

A. About Us

Lightelligence, founded in 2017 and headquartered in Shanghai, China, is a world-leading provider of optoelectronic hybrid computing power. Leveraging our pioneering technologies in integrated photonics and a world-class R&D team in integrated circuits, we are dedicated to providing a series of transformative computing solutions in an era of explosive computational demand, partnering with customers to build a smarter and more sustainable world. Driven by three core technologies, Optical Multiply Accumulate (oMAC), Optical Network on Chip (oNOC), and Optical Inter-chip Networking (oNET), Lightelligence has established two major product lines: photonic computing and photonic networking. We collaborate closely with clients across big data, cloud computing, finance, autonomous driving, biopharmaceuticals, materials research, and other fields, continuously providing more innovative and efficient computing support.

Lightelligence brings together top academic experts and engineering teams from the Massachusetts Institute of Technology and global semiconductor giants. Beyond merely validating the feasibility of photonic computing in laboratories, we have taken the lead in bridging the gap from theoretical prototypes to commercial products, reshaping the foundation of computing power in the era of large models.



Achievements of Lightelligence

2025

- Released PACE 2, an optoelectronic computing accelerator card, integrating over 40,000 photonic devices and supporting a 128x128 matrix
- Published related research on PACE in Nature.
- Launched LightSphere X, the world's first distributed optical interconnect and optical switching GPU supernode solution, according to Frost & Sullivan. The solution, centered on our all-optical interconnect chip, won the Superior AI Leader (SAIL) Award at the 2025 World Artificial Intelligence Conference (WAIC)

2024

- Achieved initial commercialization of our optical interconnect business

2023

- Announced OptiHummingbird, our first hardware product utilizing Optical Network on Chip (oNOC) technology, at the Hot Chips conference

2022

- *MIT Technology Review* "50 Smart Companies"
- KPMG "Core Technology" Cutting Edge Enterprise 50
- EE Times Silicon Top 100
- Zhiji AI China Top 50 AI Chip Companies
- Venture50 Fengyun List
- Investment Frontier Top 50 in Hard Technology

2021

- *MIT Technology Review* "50 Smart Companies"
- KPMG "Core Technology" Cutting Edge Enterprise 50
- EE Times Silicon Top 100
- Zero2IPO Venture50
- Investment Frontier Top 50 in Hard Technology

2020

- *MIT Technology Review* "50 Smart Companies"
- KPMG "Core Technology" Cutting Edge Enterprise 50
- EE Times Silicon Top 100
- China Mobile Maker Marathon First Prize
- *Chinese Entrepreneurs* Most Promising Emerging Enterprises (Future Stars) in China
- CB Insights China's Most Notable Information and Photonics Startups
- Investment Frontier Top 50 in Hard Technology
- CVSource Sharp Companies Top 100
- Zero2IPO Venture50

2019

- Released the prototype of its optical AI computer, the first of its kind in the world
- *MIT Technology Review* "50 Smart Companies"

2017

- Dr. Shen Yichen's pioneer work was published with front cover honors by *Nature Photonics*

B.Corporate Culture

VISION

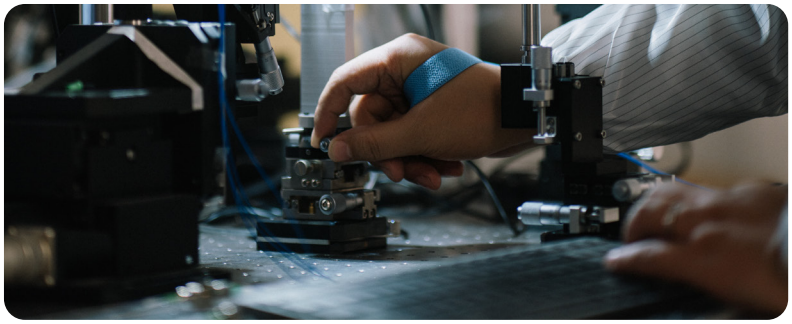
Unleash the Power of Optical Computing



VALUE

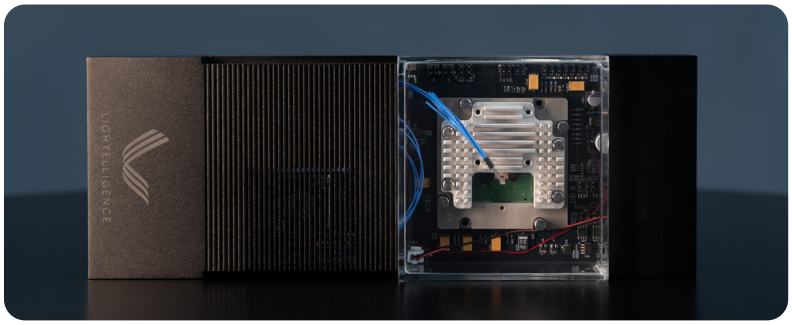
Open yet Focused, Courageous but Humble, Imaginative and Progmatic

We are committed to making technology that matters, believing that passion, collaboration, and inclusiveness can turn inspiration into reality



MISSION

Transforming cutting edge thinking into real world solutions



3. Sustainable Development Management

Lightelligence adheres to legal, compliant, and responsible business principles, striving to create long-term ESG value for all stakeholders. We firmly believe that sustainable development is not only a core driver for corporate growth but also an important manifestation of fulfilling social responsibility. We aim to achieve synergistic advancement in environmental, social, and economic benefits for the Group by steadily advancing development across all ESG dimensions in a balanced manner.

A. Board Statement

The Board of Directors of Lightelligence is the highest responsible body for ESG management within the Group. It is primarily responsible for approving ESG management policies and strategies, as well as providing guidance and supervision over the implementation and advancement of ESG-related matters. The Board continuously oversees the identification, assessment, and prioritization of ESG-related risks, actively engages in communication with stakeholders and external experts to obtain feedback, and considering factors such as the Group's development strategy and operational status, defines the future ESG development goals and plans for the Group.

To ensure the effective implementation of ESG initiatives, the Board closely monitors collaboration and execution across functional departments, and establishes interdepartmental communication channels to facilitate smooth exchanges of ESG-related topics. Simultaneously, through meetings, annual ESG reports, and other channels, the Board regularly reviews the latest progress of ESG efforts and makes timely adjustments to guide future direction, ensuring that ESG objectives remain closely aligned with the Group's business operations and hold practical significance.

B. Sustainable Development Governance

Lightelligence continues to optimize its sustainable development structure and responsibilities, strengthening the level of sustainability governance. We have established the ESG governance system led jointly by the Board of Directors, senior management, and various functional departments, forming a top-down ESG governance structure. ESG has

been integrated into overall strategy and long-term planning, embedded into key decisions and daily operations, with the aim of achieving economic performance while proactively fulfilling environmental and social responsibilities to advance sustainable development.

ESG Governance Structure

Board of Directors	· Approve ESG strategies and reports · Oversee identification, assessment, and prioritization of ESG-related risks · Review progress on ESG-related goals and conduct periodic evaluations of ESG objectives
Senior Management	· Coordinate and oversee ESG-related matters · Establish ESG management policies and strategies · Identify and monitor ESG-related risks and opportunities with significant impact on the Group's business · Manage, supervise, and review the implementation of the Group's ESG work · Report ESG matters to the Board at least once a year, assisting the Board in comprehensive management and oversight of ESG initiatives
Working Group (Various Functional Departments)	· Develop annual ESG work plans · Responsible for implementing and executing specific ESG tasks · Track, collect, and consolidate the progress of ESG-related work on an annual basis, and report to senior management · Carry out annual ESG-related information disclosure activities

C. Stakeholder Engagement

The opinions, suggestions, and expectations of stakeholders regarding the Group serve as important reference points for Lightelligence to continuously optimize its ESG performance. For key stakeholders such as government and regulatory authorities, shareholders/investors, employees, customers, business partners, communities and the public, we actively engage in communication and exchange through diversified channels to ensure timely and effective understanding of their ESG-related expectations and requirements, providing crucial guidance for optimizing and adjusting the Group's ESG strategies and priorities. Going forward, we will continue to refine communication mechanisms and deepen collaborative relationships, creating greater value for stakeholders while achieving balanced economic, social, and environmental benefits, thus promoting shared development between the enterprise and society.

Stakeholders	Expectations and requirements	Communication mechanisms
Government and regulatory authorities	· Innovation and development · Product safety and quality · Anti-bribery and anti-corruption · Energy utilization	· Daily management · Meetings and exchanges · Supervision and inspection
Shareholders/investors	· Product safety and quality · Innovation and development · Climate change response · Anti-bribery and anti-corruption	· Service hotline and email · General meeting of shareholders · Information disclosure · Investor relations activities
Employees	· Talent attraction and retention · Development and training · Health and safety	· Service hotline and email · Performance appraisal · Employee meetings · Daily communication · Employee activities
Customers	· Product safety and quality · Innovation and development · Intellectual property protection · Customer rights and service · Anti-bribery and anti-corruption	· Daily communication · Service hotline and email · Industry exchanges · Customer satisfaction surveys
Business partners	· Supply chain management · Anti-bribery and anti-corruption	· Industry exchanges · Daily communication
Communities and the public	· Social contribution	· Service hotline and email · Information disclosure

D. Materiality Assessment

Identifying and managing ESG issues helps us understand the concept of sustainable development, thereby efficiently advancing our sustainability planning and effectively enhancing our ESG governance effectiveness. In 2025, drawing on information from internal stakeholder communications and external expert opinions, we conducted a materiality assessment with comprehensive analysis of various issues.The specific process is as follows:

- **Identification:** Based on the Hong Kong Exchange's *ESG Reporting Guide* and in consideration of the Group's specific circumstances and industry development trends, 16 potential material environmental, social, and governance issues are identified that may impact our business or stakeholders were identified.
- **Assessment**: Through internal research and analysis, we evaluated the materiality of each identified ESG issue.
- **Confirmation:** The Board and senior management reviewed the above assessment results and ultimately confirm the ESG issues that have significant impact on the Group's sustainable development.

Highly material issues	Moderately material issues	Material issues
• Product safety and quality • Innovation and development • Intellectual property protection • Supply chain management • Talent attraction and retention	• Energy utilization • Climate change response • Customer rights and service • Development and training • Health and safety • Social contribution • Anti-bribery and anti-corruption	• Water resource utilization • Pollutant emissions • Waste management • Environmental and natural Resources

Through materiality assessment, we have identified five highly material issues: product safety and quality, innovation and development, intellectual property protection, supply chain management, and talent attraction and retention, with corresponding policies and

measures presented in relevant chapters. We will regularly review the progress of related initiatives and continuously make improvements.

4. Environmental Chapter: Light and Green Operation

As a global pioneer in the field of photonic computing, Lightelligence firmly believes that technological advancement should not come at the expense of the environment. We deeply implement the concept of low-carbon development and integrate environmental responsibility into every aspect of our daily operations. By advancing generational innovations in photonic technology, we provide more energy-resilient computing solutions for the digital world, while also rigorously managing our environmental impact to reduce resource consumption and GHG (Greenhouse Gas) emissions throughout our operations. From innovative green chip architectures to low-carbon daily office practices, we are proactively building a foundation for sustainable corporate development through forward-looking governance actions.

A. Green Computing Foundation

Over the past year, Artificial Intelligence (AI) has transitioned from experimental breakthroughs to a fundamental force reshaping productivity. We are witnessing a radical revolution spanning from software to hardware, and from the digital realm to physical frontiers. Computing power, the core fuel of this transformation, is experiencing exponential growth at a pace that far outstrips Moore's Law. However, this progress is hitting two formidable "walls": the physical bottleneck of power consumption and the environmental challenge of climate change.

As data centers consume an ever-increasing share of global electricity, a future powered by intelligence will become unsustainable if its evolution comes at the cost of overdrawing the Earth's resources. Lightelligence firmly believes that the key lies not in limiting computing power, but in reconstructing the physical foundation of computation. We are committed to launching an "optoelectronic fusion" efficiency revolution through photonic computing and photonic networking. As the ultimate medium for energy transmission, light with its high bandwidth, low latency, and near-zero Joule heating, provides the solution to breaking through efficiency bottlenecks in the era of large models.

In the past year, we have accelerated the commercialization of our photonic computing platforms. Our Photonic Arithmetic Computing Engine (PACE) architecture and Optical Inter-chip Networking (oNET) solutions have proven that we can multiply computing density while reducing communication energy consumption between chips and within data centers by several times. This means that when our customers perform pre-training or inference for models with hundreds of billions of parameters, every Lightelligence photonic chip is saving kilowatts of electricity for the planet. This commitment to emission reduction is Lightelligence's unique contribution to global carbon neutrality. We are not just pursuing ultimate performance; we are pursuing the ultimate energy efficiency ratio (TOPS/W), liberating the future of computing from the heavy burden of power consumption.

B. Environmental Compliance Management

Lightelligence strictly complies with all environmental laws and regulations applicable in the jurisdictions where it operates, including but not limited to the *Environmental Protection Law of the People's Republic of China*, the *Energy Conservation Law of the People's Republic of China*, the *Solid Waste Pollution Environment Prevention and Control Law of the People's Republic of China,* the *Water Pollution Prevention and Control Law of the People's Republic of China,* and *Air Pollution Prevention and Control Law of the People's Republic of China*. We have established internal management systems such as the *Laboratory Management System*, aiming to minimize the negative environmental impacts associated with our operations. During the Reporting Period, Lightelligence did not experience any violations of environmental laws or regulations.

1) Energy Management

Our energy consumption primarily stems from electricity usage in daily office operations, laboratories, and data centers. In terms of energy utilization, we are committed to achieving maximum operational efficiency with minimal energy consumption. To this end, we have set clear energy-saving targets from the FY24 base year: to reduce total electricity consumption intensity by 5% before 2027 and achieve a 15% reduction in total electricity consumption intensity by 2030.

To achieve the targets, we implement targeted energy conservation and emission reduction measures, including but not limited to phasing out high-energy-consuming equipment, replacing them with energy-efficient equipment, and optimizing configurations of data centers and laboratories to improve energy efficiency and reduce energy consumption.

Furthermore, to further reduce energy consumption and enhance overall operational efficiency, we have implemented a series of energy-saving measures in office areas, including:

- **Lighting System Optimization: I**ndependent power switches are installed according to the actual usage requirements of different office areas, and employees are required to promptly turn off the power when the areas are not in use.
- **Office Equipment Settings:** Computers are configured with power-saving modes to ensure that monitors automatically shut down or enter standby or hibernation states after prolonged periods of inactivity.
- **Air Conditioning Efficiency Improvement:** Set air conditioning temperatures reasonably, requiring that temperatures be no lower than 26°C in summer and no higher than 20°C in winter, while stipulating that air conditioning be automatically turned off by default at 8 PM.
- **Electrical Equipment Maintenance:** Regularly inspect office electrical equipment and promptly repair or replace aging equipment to maintain devices in a low-energy-consumption state.
- **Energy Conservation Promotion and Guidance: P**ost "Save Electricity" signs at key locations such as air conditioning switches in office areas to constantly remind employees to pay attention to energy consumption and foster a positive atmosphere of full participation in energy-saving initiatives.
- **Data Management and Control:** Regularly monitor, record, and analyze energy consumption.

During the Reporting Period, our energy consumption was as follows:

Key Performance Indicators	Unit	2025
Total Energy Consumption	MWh	1,975.70
Of which: Total Indirect Energy Consumption	MWh	1,975.70
Energy Consumption Intensity	MWh /Headcount	7.69

Note:

1. The Group's energy consumption primarily comes from purchased electricity and does not currently involve direct energy consumption.

2) Water Resource Management

The water used in our daily operations is domestic water. We place importance on water resource management and strictly comply with all applicable water-related laws and regulations at our operational locations, aiming to comprehensively improve water use efficiency through measures such as water conservation. In daily operations, we actively promote and implement various specific measures to reduce water consumption, including the following aspects:

- **Equipment Configuration:** Adopt water-saving fixtures and install sensor-activated flushing systems.
- **Fixture Inspections:** Regularly inspect the Group's water-using fixtures to promptly identify and repair potential leaks, drips, or overflows.
- **Promotion and Guidance:** Post "Save Water" slogans in areas such as pantries and restrooms to strengthen employees' awareness of water conservation.
- **Data Management and Control:** Regularly monitor, record, and analyze water consumption.

During the Reporting Period, our water resource consumption was as follows:

Key Performance Indicators	Unit	2025
Total Water Usage	Tons	1,217.00
Water Usage Intensity	Tons/Headcount	4.74

Note:

1. The Group's water source is municipal supply, and there are no issues regarding the availability of suitable water sources.

2. The Group's water consumption is relatively low, and we have not yet established water efficiency targets.

3) Waste Management

Solid waste generated during our daily operations primarily consists of domestic garbage. Lightelligence strictly complies with waste management laws and regulations promulgated by the local authorities where we operate, and manages our waste through various practical measures including solid waste disposal and recycling, ensuring our business operations meet emission standards. To reduce our environmental impact, we have actively implemented measures to promote waste management, including but not limited to:

- **Source Reduction:** Promoting paperless offices, encouraging the use of electronic documents, reducing reliance on paper and printers; when printing is necessary, using double-sided printing to minimize paper consumption; procuring supplies based on actual needs and advocating reuse of office materials.
- **Categorization and Treatment:** Installing categorized trash bins labeled with designated disposal categories, establishing clear treatment standards for each type of waste; collecting sorted waste and transferring it to property management companies, while coordinating with them to jointly advance the recycling and reuse of recyclable waste.
- **Resource Circulation:** For testing, research and development, and production equipment, priority is given to internal reallocation and reuse across projects and departments, especially for assets that have not yet reached their service life or

financial depreciation period, ensuring maximum resource efficiency; implementing strict and standardized disposal procedures for IT hardware assets that have reached end-of-life. For example, we sell used laptops to qualified suppliers for refurbishment and reuse, supporting the circular economy by extending product lifecycle.

- **Employee Guidance:** Employees are provided with detailed instructions and information on waste classification methods and correct waste disposal locations through internal training sessions, posting promotional posters, and other means. In addition, designated personnel are arranged to regularly clean waste at specified locations and times to ensure a clean office environment.

During the Reporting Period, our waste generation is as follows:

Key Performance Indicators	Unit	2025
Total Non-hazardous Waste	Tons	76.39
Non-hazardous Waste Intensity	Tons/Headcount	0.30

Note:

1. The Group's business operations do not involve exhaust emissions. Wastewater mainly consists of domestic sewage. Hazardous waste primarily includes discarded ink cartridges generated during office operations, which are small in quantity and have minimal environmental impact. Therefore, KPI A1.1 and KPI A1.3 are currently not applicable and are not disclosed in this report.
2. The Group's production activities are primarily outsourced to third parties. Total usage of product packaging materials and unit production proportions are outside the direct management scope of the Group. Therefore, KPI A2.5 is currently not applicable and is not disclosed in this report.
3. The total volume of waste generated by the Group is relatively small, and thus, no waste reduction targets have been established yet.
4. The Group has not caused any other significant environmental impacts during operations, nor does it extensively use other environmental or natural resources. Therefore, KPI A3 is currently not applicable and is not disclosed in this report.

C. Climate Change Response

Lightelligence recognizes the profound impact of climate change on the global economy and ecosystems. We refer to the Hong Kong Exchange's *ESG Reporting Guide* Section D: Climate-Related Disclosures framework to assess climate risks and opportunities, enhancing our adaptation and response capabilities to climate change.

1) Governance

Lightelligence has established a climate change governance framework to ensure that climate-related issues are incorporated into the Group's core decision-making processes. The Board, as the highest decision-making body, is responsible for approving climate strategies and overseeing responses to significant climate risks and opportunities. Board members are able to effectively identify and manage climate-related risks and opportunities based on professional expertise, and continuously monitor and study developments in domestic and international climate policies and regulations, providing professional input to support the Board's fulfillment of its climate management responsibilities. Senior management is responsible for identifying climate-related risks and opportunities, developing action plans, and regularly reporting implementation progress to the Board. At the operational level, functional departments form a working group responsible for carrying out and implementing specific initiatives, ensuring that climate strategies are implemented in daily operations.

Our Board receives an annual report from senior management on the company's climate-related management performance during the annual board meeting to ensure smooth progress and compliance with climate-related matters.

2) Strategy

Lightelligence recognizes that climate-related risks and opportunities may impact the Group's business and financial conditions in the short, medium, and long term. Referencing the Hong Kong Exchange's climate disclosure framework, we have identified material climate-related risks and opportunities, assessed the impact level and climate resilience through climate scenario analysis, developed corresponding management

strategies, and progressively integrated climate considerations into overall risk management and business strategy.

Risk/Opportunity Identification and Prioritization

During the Reporting Period, Lightelligence conducted the initial round of identification and assessment of climate-related risks and opportunities, followed by prioritization. In this process, we identified four material climate-related risks (including two physical risks and two transition risks) and one material climate-related opportunity. The table below sets out our climate-related risks and opportunities, along with corresponding response measures:

Risks/ Opportunities	Type of Risk/ Opportunity	Impact on Business			Value Chain Stage	Potential Financial Impact of Risk/Opportunity	Response Measures
		Short-term	Medium-term	Long-term			
Physical Risk	Extreme Weather Events (Acute Risk)	Low	Low	Medium	Supply Chain Own Operations Customers	Climate change may lead to more frequent extreme weather events such as heavy rains and typhoons, potentially threatening employee safety, disrupting normal business operations, and causing property losses.	• Develop emergency response plans for extreme weather events such as heavy rains and typhoons, conduct advance safety inspections of office areas, and stockpile emergency supplies. • Closely monitor weather forecasts, stay informed about extreme weather events, disseminate weather warnings and response arrangements through multiple channels to ensure timely awareness among employees, and adjust work schedules accordingly, including delaying start times, supporting remote work, and implementing flexible attendance policies.
	Prolonged High Temperatures (Chronic Risk)	Low	Low	Medium	Supply Chain Own Operations Customers	Climate change may cause sustained temperature increases in the locations where the company operates, leading to higher cooling demands and energy consumption, thereby increasing operational costs.	• Strengthen energy management and optimize the energy efficiency of temperature regulation equipment such as air conditioning systems to reduce cooling energy consumption and costs under equivalent conditions. • Reasonably adjust air conditioning system temperatures to reduce data center energy consumption and lower PUE values.
Transition risk	Changes in GHG emission regulatory requirements (policy risk)	Low	Low	Medium	Supply chain Own operations Customers	In response to China's "Dual Carbon" goals, we and our suppliers may face stricter regulatory requirements regarding resource use and GHG emissions, leading to increased production costs for suppliers and higher operational costs.	• Closely monitor developments in relevant policies and regulations, and promptly establish, revise, and implement internal systems to reduce compliance risks. • Enhance green operational measures such as energy management and water resource management, and promote green office practices among employees.
	Corporate reputation (reputation risk)	Low	Low	Medium	Own operations	Failure to meet stakeholders' expectations regarding the company's response to climate change may have a negative impact on corporate reputation.	• Strengthen climate-related disclosures and improve the transparency and accuracy of information disclosure.
Opportunity	Changing demand for environmentally friendly and low-carbon products and services (opportunity)	Low	Medium	High	Supply chain Own operations	As awareness of climate change continues to grow across society, customer demand for environmentally friendly and low-carbon products and services is increasing.	• Leverage our technological advantages to drive technological innovation and develop more environmentally friendly and efficient products and solutions.

Note

1. Considering the Group's business plans and strategies as well as climate-related policies in countries or regions where operations are located, the Group defines short-term, medium-term, and long-term time horizons as short-term (0–1 year), medium-term (2–5 years; up to 2030), and long-term (6–25 years; up to 2050), respectively.
2. During the Reporting Period, the level of uncertainty involved in quantifying the expected financial impacts of climate-related risks and opportunities estimating those effects is so high that the resulting quantitative information would not be useful.
3. The Group did not identify any climate risks or opportunities that have a substantive impact on operational decisions within the short- and medium-term. Accordingly, no separate capital expenditure, financing, or investment arrangements have been made specifically for climate-related matters.
4. The Group would incur significant costs to obtain all reasonable and supportable data required for calculating cross-sector and sector-specific climate disclosure metrics. Hence, a reasonable data exemption is adopted during the Reporting Period.
5. During the Reporting Period, the Group has not yet implemented an internal carbon pricing mechanism in operational decision-making, nor integrated climate-related considerations into remuneration policies. Going forward, the Group will continuously monitor changes in climate-related disclosure requirements based on regulatory developments, business evolution, and internal readiness, and review related disclosure arrangements as appropriate.
6. During the Reporting Period, the Group has not yet established a formal climate-related transition plan.

Scenario Analysis

Lightelligence has referenced the methodologies and recommendations of climate-related disclosure frameworks, utilizing analytical techniques such as scenario modeling to predict and evaluate climate change trends and their relationship with the Group's operations, assessing the impact level of climate risks on its operational locations. We have selected the Representative Concentration Pathways SSP 1-2.6 and SSP 5-8.5 proposed by the Intergovernmental Panel on Climate Change (IPCC) as the analytical foundation to conduct further analysis and assessment of related risks and opportunities.

	Low-emission scenario	**High-emission scenario**
Scenario Definition	Take ambitious climate action to limit global warming to 1.5°C or well below 2°C by the end of this century	No climate action taken, global average temperature rise exceeding 4℃ by the end of this century
Scenario Description	Global awareness of sustainable development continues to increase, with countries and regions actively implementing ambitious climate actions, including establishing stringent climate policies and emission reduction targets, imposing carbon tariffs, etc. Consumers increasingly prefer green and low-carbon products, and enterprises actively respond to climate policies and promote low-carbon transitions, with multiple countries and regions achieving net zero emissions before 2050. The Group selects the scenario to assess the	Global consensus on the severity of climate change has not been reached, existing climate policies and actions are widely terminated or not strictly enforced, fossil fuels remain the dominant energy source, and GHG emissions accelerate. Physical risks from climate change intensify significantly, global average temperatures rise substantially, and both the frequency and severity of extreme weather events continue to increase. The Group selects this scenario to assess the impacts on the Group of escalating climate change due to lack of effective climate action

	Low-emission scenario	High-emission scenario
	impacts of climate strategies and actions related to achieving the *Paris Agreement*'s temperature goal of 1.5℃ or well below 2℃ on the Group.	and significantly increased climate-related physical risks.
Reference Data Sources	IPCC SSP 1-2.6 scenario: a sustainable development society primarily based on clean energy, effectively limiting global warming to well below 2℃ through climate action.	IPCC SSP 5-8.5 scenario, where no additional climate policies are implemented globally, economic development increasingly relies on fossil fuels, and GHG emissions continue to rise.

Resilience Review

The climate scenario analysis results indicate that under different climate pathways, the types of risks faced by Lightelligence exhibit differentiated characteristics: under high-emission scenarios, we primarily face intensifying physical risks; whereas under low-emission scenarios, transition risks and opportunities become more prominent. Over time, both physical and transition risks show an upward trend, requiring us to continuously enhance our climate adaptation and response capabilities to strengthen overall business resilience.

Regarding physical risks, our R&D, office operations, and supply chain systems depend to some extent on a stable infrastructure environment. Climate events such as extreme high temperatures and heavy rainfall may have temporary impacts on office operations, equipment stability, and upstream and downstream supply delivery. Currently, our operational footprint is relatively dispersed, and no single climate event has caused significant disruption to our overall business. Historically, there has been no major operational interruption due to climate-related disasters. However, in light of the potential future increase in the frequency and intensity of extreme weather, we will further

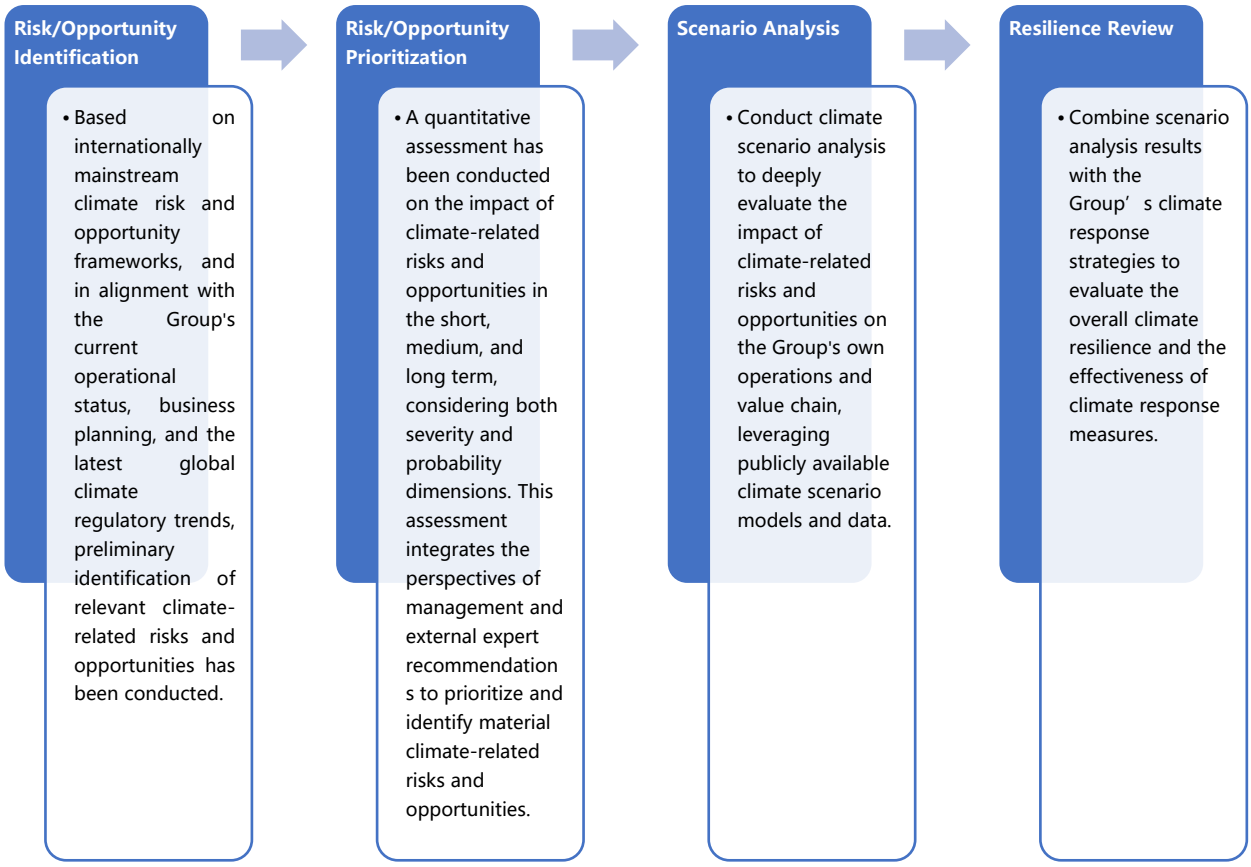
strengthen risk identification and management for critical facilities and key supply chain nodes, enhancing our operational resilience and continuity capabilities.

Regarding transition risks, as global and China's "Dual Carbon" policies continue to advance, regulatory requirements, technical standards, and market preferences are accelerating toward low-carbon development. Although we do not belong to a high-emission industry, we still need to address challenges related to energy efficiency improvements, green supply chain management, and evolving customer demands for lower carbon solutions. At the same time, leveraging our expertise in high-efficiency computing and cutting-edge technologies, we are actively seizing opportunities in the development of green computing power, optimizing our products and solutions toward lower energy consumption and higher performance. To date, we have not incurred any penalties or major operational risks due to non-compliance with climate-related regulations.

Going forward, we will continue to deepen our work on climate risk identification and assessment, gradually enhance the granularity and quantification level of scenario analysis, and strengthen cross-departmental collaboration to integrate climate-related risks into our company's overall risk management and strategic decision-making framework.

3) Risk Management

Lightelligence has incorporated climate change into its overall corporate risk management framework, conducting ongoing identification, assessment, response, and monitoring of climate-related risks and opportunities. We regularly carry out climate risk identification and assessment activities, and based on the assessment outcomes, implement targeted control measures to reduce potential impacts on daily operations and medium-to-long-term strategy, ensure business continuity, and continuously enhance development resilience and adaptation capacity under the context of climate change.



Note:

1. The impact level of risks and opportunities is quantified by multiplying the significance of the risk/opportunity by its likelihood of occurrence, and the impact level is categorized as low, medium, or high according to predefined risk and opportunity thresholds.

4) Metrics and Targets

Lightelligence is committed to reducing GHG emissions within its operational boundaries and has established clear energy-saving and consumption-reduction targets: from the FY24 base year, to reduce total electricity consumption intensity by 5% before 2027 and achieve a 15% reduction in total electricity consumption intensity by 2030, thereby lowering Scope 2 GHG emissions. Meanwhile, we continue to conduct GHG emission accounting and management, and regularly disclose relevant data externally. The table below presents our GHG emissions during the Reporting Period:

Key Performance Indicators	Unit	2025
Scope 2 GHG emissions total (location-based)	tCO_2e	1,048.31
GHG Emission Intensity (Scope 2)	tCO_2e/Headcount	4.08
Scope 3 GHG emissions total	tCO_2e	343.41
GHG Emission Intensity (Scope 3)	tCO_2e/Headcount	1.34

Note:

1. The Group's energy consumption primarily stems from purchased electricity with no fossil fuel usage. Consequently, there are no significant Scope 1 GHG emissions. GHG emissions are calculated in reference to the *GHG Protocol Corporate Accounting and Reporting Standard (2004)*.

2. For the calculation of electricity-related emissions, the Group adopts the national grid average emission factor as published in the *Announcement on the Release of 2023 Electricity Carbon Dioxide Emission Factors*.

3. Regarding the accounting and disclosure of Scope 3 emissions, the Group follows the *GHG Protocol Corporate Value Chain (Scope 3) Standard (2011)* and relevant industry benchmarks. We have prioritized key categories with high data availability and significant value-chain impact, specifically Category 3 (Fuel- and Energy-Related Activities Not Included in Scope 1 or 2) and Category 5 (Waste Generated in Operations). Emission factors are sourced from the U.S. EPA's *Emission Factors for Greenhouse Gas Inventories*. However, as Scope 3 involves extensive value chain activities and data collection mechanisms for other indirect sources are currently being refined, a full quantitative disclosure is not yet feasible. Therefore, a reporting exemption has been applied for those remaining categories.

5. Social Chapter: Collective and Sustainable Value Chain

Lightelligence actively fulfills its social responsibilities, integrating commitments into every aspect of daily operations. We strictly control product quality to safeguard customer rights. We attract, develop, and retain outstanding talent, providing a safe, healthy, innovative, and collaborative working environment. We advance sustainable supply chain development, engage in public welfare initiatives, and create positive social impact.

A. Innovation and Leadership

Innovative R&D form the cornerstone of the Group's core competitiveness, which is crucial for maintaining technological leadership and achieving breakthroughs in the new paradigm of optoelectronic hybrid computing. Lightelligence is committed to deepening the efficiency of knowledge innovation and the translation of achievements, continuously strengthening technical R&D capabilities and talent-driven innovation vitality. We have established a standardized R&D management system, with clearly defined control points throughout the entire process to ensure efficient and orderly advancement of R&D activities. Our R&D process is led by world-class interdisciplinary teams focused on frontier research in optoelectronic hybrid computing power. Within the R&D department, the research teams adopt an agile colocation collaboration model to facilitate rapid prototyping and strengthen the close synergy between research and product development, thereby accelerating the transformation of innovative outcomes from laboratory to market.

Lightelligence R&D Process

Project Concept Phase	Conduct independent market research to identify market demands and analyze customer needs; after confirming the overall concept, conduct product concept analysis, feasibility studies, and business analysis
Project Development Phase	Plan detailed technical specifications to transform concepts and plan into products
Production Ramp-up Phase	Arrange sample testing, design and development verification, and other activities to ensure smooth mass production
Project Closure Phase	Outsource mass production of new products to third-party manufacturers and continue investing in product maintenance and after-sales services

Supported by a forward-looking R&D system, we are able to respond nimbly to market trends and capture short-term opportunities, while consistently investing in transformative innovations oriented toward the future, achieving a dynamic balance between long-term technological positioning and short-term business returns, thus enhancing investment return and supporting sustainable growth. In 2025, the Group's R&D investment reached RMB 479 million, with a total of 174 employees in the R&D team, with 117 holding a graduate degree, making up 67.2% of the R&D team, injecting strong momentum into our continuous enhancement of core competitiveness.

While maintaining industry leadership in the field of complex optoelectronic chip design, we have established a comprehensive R&D platform covering all critical aspects of optoelectronic hybrid computing power. Our self-developed hardware capabilities span optoelectronic chip design, electronic chip design, optoelectronic packaging, and system-level integration, complemented by a robust collaborative software ecosystem that continuously empowers our products and expands their value boundaries. Furthermore, we actively engage in multi-level exchanges and collaborations with universities and industry partners to jointly build an open and innovative industrial ecosystem.

Case: Launch of LightSphere X, China's First Optical Interconnect And Optical Switching Gpu Supernode

At the "Intelligent Computing Cloud Ignites, Co-creating the Ecosystem" forum of the 2025 World Artificial Intelligence Conference (WAIC), LightSphere X, China's first optical interconnect and optical switching GPU supernode, developed with the participation of Lightelligence, was officially launched. Recognized for its groundbreaking original innovation, it was honored with the 2025 WAIC SAIL Award and, as the most representative innovative project of the year, became a benchmark case in the "Innovation" dimension under SAIL's four evaluation criteria (Superior, Application, Innovation, Leading). Built upon Lightelligence's world-first distributed optical switching technology, this supernode establishes a new paradigm for autonomous, high-bandwidth, low-latency, and flexibly scalable intelligent computing clusters. As a core architecture for next-generation intelligent computing clusters, it will support the development of a fully independent and controllable domestic computing pool, accelerating cross-generational advancement in China's AI computing infrastructure.



LightSphere X Launch Ceremony

Case Study: Lightelligence and Shanghai Jiao Tong University jointly established the Shanghai Key Laboratory of Integrated Optical Computing Chips and Systems

In 2025, the "Shanghai Key Laboratory of Integrated Optical Computing Chips and Systems," jointly proposed by Lightelligence and Shanghai Jiao Tong University, was successfully selected for the 2025 High-Level Institution Construction and Operation Program "Key Laboratory" project list officially released by the Shanghai Municipal

Science and Technology Commission, marking a significant milestone for Lightelligence in advancing optical computing ecosystem development and industry-academia-research integration. As China's first optical computing industry-research integrated platform, the Shanghai Key Laboratory of Integrated Optical Computing Chips and Systems fully leverages Lightelligence's industrial leadership while deeply integrating Shanghai Jiao Tong University's strong foundational innovation capabilities. Through this high-level platform, the Group will continuously empower frontier R&D layout and cultivate new-quality productivity in Shanghai and across the nation.

B. Product Quality and Safety

As a technology company dedicated to innovation in optoelectronic hybrid computing, Lightelligence always regards product quality and safety as the lifeline for technological implementation, strictly adhering to laws and regulations such as the *Product Quality Law of the People's Republic of China,* the *Advertising Law of the People's Republic of China*, and establishing a full-process quality management system to safeguard the delivery of technological value with solid quality assurance. Anchored on the quality policy of "fast, efficient, and high-quality," we have established multidimensional quality objectives and developed the *Quality Management Manual* as the guiding framework, integrating quality control into every stage—from product sales, design and development, external provision, storage and delivery—ensuring that our products and services meet customer requirements and our internal quality standards, thereby creating reliable value for customers and setting quality benchmarks for the industry.

Quality Policy	Fast, efficient, and high quality
Quality Objectives	Customer satisfaction Qualified rate of delivered products On-time delivery rate Tape out success rate

To fulfill our commitment to high product quality standards, we have obtained ISO 9001 Quality Management System Certification. Additionally, products exported to Europe comply with the European Union's *Directive on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment* (RoHS) and *Regulation on*

the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH). We align with globally stringent standards in hazardous substance restrictions and chemical compliance management, delivering photonic computing and photonic networking product lines that combine technological advancement with quality and safety through robust compliance capabilities.

Full-Process Quality Management System

Product Sales	Implement the *Control Procedure for Review of Customer Requirements* to accurately identify customer needs and define the core direction for full-process quality control
Design and Development	Rely on the *Product Design and Development Management Procedure* and *Project Management Procedure*, initiating reliability verification in advance from the origin of customer needs to ensure product performance and compatibility at the source
External Provision	Strictly select compliant suppliers through the *Procurement Control Procedure* and *Supplier Management Procedure*, supported by incoming material inspection to establish a robust frontline defense for quality
Storage and Delivery	Follow the *Product Storage and Delivery Procedure* and *Product Identification and Traceability Control Procedure* to establish a full-cycle tracking mechanism, ensuring stable operation throughout the product lifecycle

We have established the *RMA Process Specification* to standardize the handling process for product returns caused by product quality issues, customer requests, and commercial reasons,specifically verifying and determining whether returned products involve quality-related causes, isolating and storing returned products immediately upon receipt, developing rework or scrap disposal plans, and coordinating with production and

operations teams for implementation. During the Reporting Period, Lightelligence did not conduct any product recalls due to quality or safety issues.

Furthermore, we continuously strengthen professional capability development within our team. During the Reporting Period, we organized multiple targeted quality training sessions for key roles in design, procurement, and delivery, covering core content such as interpretation of industry standards and execution of customer requirements, embedding quality awareness into every manufacturing step. By building a highly competent team with strong quality accountability, we provide internal momentum for the continuous delivery of high-performance, highly reliable products.

We are committed to continuously improving service quality to ensure that customers' needs are promptly and effectively met. We actively manage and track customer feedback, and in accordance with the *Customer Complaint Control Procedure*, standardize the handling process of customer complaints to properly, promptly, and effectively address customer grievances, thereby enhancing the product quality and customer service quality of the Group and delivering satisfactory after-sales service. Upon completion of after-sales service, in accordance with the *Customer Satisfaction Management Procedure*, we conduct customer satisfaction surveys via email, telephone, or on-site interviews. The survey covers multiple dimensions including delivery service process, maintenance service process, evaluation of business teams, and overall product performance. During the Reporting Period, customers rated the Group's product quality and related processes as either very satisfied or satisfied. For customer feedback, we communicate the investigation results to the relevant after-sales service personnel to continuously optimize customer service quality and improve customer satisfaction. During the Reporting Period, we did not receive any significant complaints regarding product safety and quality.

C. Supplier Management

Supply chain is critical to our normal operations and product delivery. To ensure sustainable business development and protect corporate reputation, we have established and implemented the *Supplier Management Procedure* to standardize supplier onboarding, day-to-day management, and freezing processes, ensuring orderly

management of suppliers after onboarding, and are committed to selecting and managing high-quality and reliable suppliers.

1) Supplier Onboarding

We adhere to the principles of equal competition and merit-based selection, widely collect supplier information, and conduct comprehensive supplier screening based on multi-dimensional evaluations including quality, price, delivery schedule, and service, in accordance with the actual requirements of the requesting departments. All selected suppliers are required to sign the *Confidentiality Agreement*, establishing a solid foundation for supply chain information security. We have also integrated ESG indicators into our evaluation system, placing importance on suppliers' certifications such as ISO 9001 Quality Management System and ISO 14001 Environmental Management System, ensuring compliance with quality standards as well as environmental laws and regulations, jointly building a sustainable and responsible supply chain ecosystem.

2) Supplier Daily Management

Based on assessment of supply chain risks and value, we have established a scientific supplier tiered management system. Suppliers are categorized into strategic suppliers, Tier 1 suppliers, Tier 2 suppliers, and Tier 3 suppliers according to dimensions such as product value impact, supply difficulty, and risk, enabling differentiated and refined management.

Annually, we re-evaluate the classification of all materials and conduct annual assessments for key partners such as strategic and Tier 1 suppliers, conducting comprehensive reviews based on the *Supplier Performance Evaluation Form* across multiple dimensions including quality, technology, cost, delivery, and service. For suppliers failing the assessment, we will implement downgrading or require them to submit and execute improvement measures, thereby driving continuous supply chain optimization.

3) Termination of Supplier Cooperation

We continue to strengthen dynamic management and risk control of the supply chain, conducting a systematic review of all suppliers annually. Suppliers with no collaboration records for more than two years or those assessed as high-risk will be subject to a freeze

process, suspending their eligibility for cooperation. To reactivate a frozen supplier, a full re-approval application and review must be strictly completed in accordance with the current supplier management system.

4) Sustainable Procurement

We actively practice sustainable development principles, continuously enhancing environmental protection and social responsibility management within our supply chain, committing to reducing carbon footprint and promoting responsible and ethical procurement.

We are actively building a green supply chain system, strictly implementing requirements such as environmental compliance and conflict minerals management, and driving suppliers toward green production transformation. Meanwhile, we integrate low-power design and environmentally friendly material selection concepts during product design and development stages, reducing the environmental impact throughout the product's entire lifecycle from the source.

We advocate that suppliers respect human rights and explicitly include anti-corruption clauses in procurement contracts, fostering fair and healthy industrial ecosystems through transparent and ethical business transactions. By deeply integrating ESG into supply chain management, we work with partners to drive the entire supply chain toward a more sustainable and responsible future.

As of the end of the Reporting Period, the Group's suppliers are primarily categorized into suppliers in China and overseas suppliers, with the following distribution:

Category	Quantity (Unit: suppliers)
Total number of suppliers	434
by region	
China	412
Overseas	22

D. Talent Attraction and Retention

Lightelligence always regards talent as the core engine driving enterprise innovation and development. We strictly comply with the *Labor Law of the People's Republic of China*, *Labor Contract Law of the People's Republic of China*, *Law of the People's Republic of China on the Protection of Minors*, *Regulations on the Prohibition of Child Labor,*and other applicable laws and regulations at all operating locations, and have established the *Employee Handbook* to continuously implement a people-oriented management philosophy. We are committed to respecting, attracting, and retaining outstanding talent by providing competitive compensation and benefits, fostering a diverse and enriching work-life atmosphere, and striving to create a safe, healthy, and comfortable working environment for all employees, enabling every hardworking individual to grow, thrive, and move forward together into the future.

1) Employee Rights

We recruit employees through channels such as campus recruitment, internal referrals, and job portals, providing equal employment opportunities to all candidates. In accordance with the *Employee Handbook*, we oppose any form of discrimination or harassment against employees based on race, ethnicity, skin color, creed, gender, marital status, age, religion, nationality or region, physical or mental disability, health condition, sexual orientation, or any other grounds. After formal onboarding, we strictly comply with relevant laws and regulations to sign labor contracts with employees, establishing lawful employment relationships and ensuring full protection of employees' legitimate rights and interests.

We maintain a zero-tolerance policy toward any form of child labor and forced labor, and take appropriate measures to prevent such situations. During the employee onboarding process, we collect personal identification documents and academic credentials to effectively verify the age of employees. In the event that a minor is inadvertently hired, we will immediately terminate the employment contract and return the individual to their legal guardian. At the same time, we are committed to helping employees balance work and personal life, strictly comply with statutory working hours and rest periods, and in

case of forced labor, handle the matter strictly in accordance with relevant legal requirements, while preventing recurrence through education and disciplinary measures. During the Reporting Period, no violations related to child labor or forced labor occurred within the Group.

As of the end of the Reporting Period, Lightelligence had 257 employees, with a full-time employee ratio of 100%. The majority of employees are located in China, primarily distributed across Shanghai, Nanjing, Hangzhou, and other cities where we conduct business operations. The table below presents the employee composition and employee turnover rate:

	Category	Number of employees	Employee turnover rate[1]
by gender	**Male**	188	15%
	Female	69	5%
by age group	**Under 30**	25	14%
	30 to 40	150	12%
	Over 40	82	14%
by region	**Mainland China**	243	12%
	Hong Kong, Macao and Taiwan regions of China	5	0%
	Overseas	9	40%

Note:

1. Employee turnover rate = (cumulative number of departures in a given category during the year) / (number of employees in that category at year-end + cumulative number of departures in that category during the year) × 100%

2) Compensation and Benefits

Lightelligence has established a scientific, rational, and market-competitive compensation and benefits system designed to continuously attract, motivate, and retain outstanding talent. According to the *Compensation and Benefits System Description*, our compensation structure includes base salary, annual bonus, and various allowances; specific amounts are determined by comprehensively considering position-based pay bands, candidate qualifications, experience, competencies, interview performance, and market compensation levels.

In addition, we legally contribute to social insurance (pension insurance, medical insurance, unemployment insurance, work-related injury insurance, maternity insurance) and housing provident fund (Five Insurances and One Fund) for all employees, and provide multiple benefits including paid annual leave, festival benefits, and employee discounts, comprehensively safeguarding employees' health and quality of life. At the same time, we will continuously optimize our compensation and benefits policies according to business performance, market compensation trends, and inflation levels, ensuring our compensation system remains competitive and demonstrates humanistic care, truly serving as strong support for employees and the Group to grow together.

3) Health and Safety

Lightelligence places employee health and safety at the very foundation of sustainable enterprise development. We strictly comply with applicable laws and regulations at the place of operation, such as the *Work Safety Law of the People's Republic of China* and the *Law of the People's Republic of China on Prevention and Control of Occupational Diseases*, and have established a health and safety management system covering "prevention-protection-emergency response", aiming to scientifically and effectively safeguard employees' occupational health and safety.

We value employees' life, health, and safety, and invest resources to continuously improve health and safety management. To ensure employees can promptly understand their own health status, we organize annual health check-ups for all employees, enabling them to fully understand their physical condition, and purchase supplementary commercial

medical insurance for all employees. In daily operations, we conduct daily inspections of fire protection facilities and electrical equipment in office areas, and promptly rectify potential safety hazards.

Furthermore, we continuously improve our occupational health and safety accident prevention and emergency preparedness mechanisms, proactively inspect office area safety, and stockpile emergency supplies. At the same time, we conduct regular employee awareness campaigns, provide periodic safety training, and carry out routine emergency response drills to continuously strengthen employees' awareness of occupational health and safety, as well as their ability to respond to emergencies. Within the past three years, the Group has not experienced any work-related fatalities.During the Reporting Period, there were no work-related injuries resulting in lost workdays.

Case: Fire drill activity
During the Reporting Period, we actively cooperated with the property management to organize fire drills involving all employees. Through on-site explanations of evacuation routes and demonstrations of the correct use of equipment such as fire extinguishers and fire hoses, employees acquired emergency response, self-rescue and mutual assistance skills in simulated scenarios. This significantly enhanced the team's overall fire safety awareness and practical response capabilities, further strengthening workplace safety defenses.

E. Talent Development and Growth

Lightelligence values talent development and growth, and is committed to building a high-quality talent pipeline. We have established diverse and personalized career development pathways tailored to individual characteristics, and offer various training programs based on employees' needs and preferences to support their continuous improvement in professional competence and overall capabilities. By cultivating an empowering talent ecosystem that fosters growth and unlocks potential, we provide every dedicated contributor with a broad platform to jointly illuminate the infinite possibilities of photonic computing.

1) Promotion and Development

In accordance with the *Promotion Evaluation Management System*, we have established multi-dimensional career development paths covering technical R&D, marketing and sales, and functional sequences. The technical R&D sequence features dual promotion tracks—technical and managerial—enabling employees to grow together with the company. The promotion evaluation process strictly follows the principles of fairness and impartiality, with comprehensive assessments based on job capability, performance, professional experience, and role fit.

To promote business and organizational development, the Group implements a semi-annual performance appraisal mechanism, the results of which are directly linked to salary adjustments, promotions, career advancement, and position changes. We encourage open communication; if employees have any concerns regarding their appraisal outcomes, they may discuss them at any time with their immediate supervisors. Through a systematic and transparent talent development framework, we strive to unlock each employee's potential and achieve synergistic progress between individual growth and corporate development.

2) Talent Development

We are committed to fostering a culture of mutual learning and knowledge sharing, providing training resources tailored to the needs of employees at all levels and across various professional tracks. Focusing on core themes such as improved work efficiency, leadership enhancement, and accumulation of business experience, we design and deliver diversified online and offline training programs to comprehensively enhance employees' professional competencies. Upon completion of each training session, we systematically collect participant feedback and conduct effectiveness evaluations through surveys and other methods, continuously optimizing our development system so that every empowerment initiative effectively translates into momentum for team innovation and growth, collectively building a future-orientedlearning organization.

Case: New Employee Training

During the Reporting Period, Lightelligence systematically conducted quarterly new employee training programs centered on the goal of "rapid integration and precise empowerment." Each training session lasted one hour, focusing on corporate culture and values, organizational structure overview, and key business guidelines. Through concise and efficient onboarding learning, new employees were able to quickly adapt to their environment, understand job essentials, and begin forming professional identities aligned with the company's development.





New Employee Training

Case: Resilient Leadership Training

In May 2025, Lightelligence conducted the "AQ Adversity Quotient - Resilient Leadership" training program for its management team. This training focused on building psychological resilience and leadership capabilities essential for managers to handle stress, overcome setbacks, and sustain innovation. Through case discussions, scenario simulations, and tool practice sessions, the program equipped managers with methods to maintain focus and unlock team potential amid complex technological challenges and market transformations. It not only strengthened the mental resilience of the management team but also provided critical leadership support for the company to seize development opportunities amid uncertainty.



Resilient Leadership Training

Case: SIMTalent Team Management Simulation

In March 2025, Lightelligence introduced the "SIMTalent Team Management Simulation" training program, designed to enhance managers' strategic decision-making and team collaboration abilities in complex scenarios. Centered on simulating real business challenges, the training enabled managers to master key management skills—including goal decomposition, resource allocation, risk response, and team motivation—through dynamic simulation exercises, role-playing, and post-action reviews, thereby strengthening practical thinking for cross-departmental collaboration.



SIMTalent Team Management Simulation

During the Reporting Period, the total training hours completed by employees in the Group reached 2,134 hours, with an average of 8.30 hours per employee. The specific percentages of trained employees and average training hours per employee are shown in the table below:

Category		Percentage of Trained Employees	Average Training Hours per Employee
By Gender	**Male**	73%	8.66
	Female	27%	7.33
By Job Level	**Senior Management**	5%	11.67
	Middle Management	19%	11.28
	General Staff	76%	7.33

F. Social Contribution

Lightelligence always firmly believes that a company's long-term development is inseparable from the prosperity and progress of the community. We are committed to cultivating a new generation of technological and innovative talents by actively promoting education accessibility and public welfare initiatives, with a particular focus on computer science, computing, and related disciplines, providing young people with diversified learning opportunities and resources to support the development of well-rounded, multi-skilled talents for the new era. Going forward, we will continue to deepen our community engagement through educational, public welfare, and charitable activities to promote sustainable community development and give back to society through concrete actions, growing together with the communities.

Case: Public Welfare Technology Open Day

During the Reporting Period, Lightelligence hosted the public-spirited technology open day event, inviting students from multiple universities to visit the Company on-site. Through technical expert explanations, product demonstrations, and immersive laboratory experiences, students gained an intuitive understanding of the cutting-edge advancements and practical applications of optoelectronic computing. This effectively stimulated young students' interest and enthusiasm for exploration in this technological field, establishing an interactive platform between industry and academia that inspires future development, reflecting the social responsibility of Lightelligence in fostering technological talent and promoting long-term industry growth.

6. Governance Chapter: Responsible and Solid Governance

Lightelligence upholds integrity as its foundation and compliance as its benchmark. By building a clean and ethical culture and adhered to by all employees, implementing a scientific and forward-looking comprehensive risk control framework, and fostering innovation-driven intellectual property protection, we deeply integrate compliance requirements with business practices, thereby laying a solid and trustworthy governance foundation for the company's long-term, stable development and creation of social value.

A. Compliance and Integrity

We are committed to the highest standards of integrity and ethical business conduct. We strictly comply with laws and regulations related to anti-corruption and anti-bribery, including but not limited to the *Criminal Law of the People's Republic of China*, the *Anti-Unfair Competition Law of the People's Republic of China*, and the *U.S. Foreign Corrupt Practices Act*, and conduct our business activities in an ethical and transparent manner. We adhere to high standards of integrity, maintaining a zero-tolerance policy toward corruption and bribery, and have established the *Anti-Corruption and Business Conduct Policy* and the *Anti-Fraud and Whistleblowing System* to regulate the professional conduct of all employees and safeguard the legitimate rights and interests of stakeholders.

We attach great importance to business integrity and have established multi-layered control mechanisms against bribery, extortion, fraud, and money laundering. Specific measures encompass: setting up multi-channel anonymous communication platforms (such as dedicated email, telephone, and physical mailboxes) to receive and handle related reporting matters; requiring all current and newly hired employees to sign commitment letters, undertaking not to engage in illegal or non-compliant activities such as commercial bribery, fraud, or money laundering; and conducting regular compliance and anti-fraud awareness campaigns.

We communicate the company's integrity system to all employees, including anti-corruption and anti-bribery provisions, and require them to sign the employee anti-

corruption policy commitment upon joining. We have established a reporting email system to encourage employees to report any suspected corruption and bribery activities. Upon receiving a report, we initiate a formal investigation process and ensure the strict protection of the whistleblower's identity. Additionally, we conduct periodic training on anti-corruption and anti-bribery compliance to foster a culture of compliance. Board members also regularly participate in specialized anti-corruption training to ensure leadership sets an exemplary role in compliance and ethical governance. Our audit department regularly conducts review work to ensure the effective operation of the business ethics management system.

During the Reporting Period, the Group did not experience any incidents of violation of its anti-bribery, anti-corruption, or anti-money laundering policies and procedures.

B. Risk Management

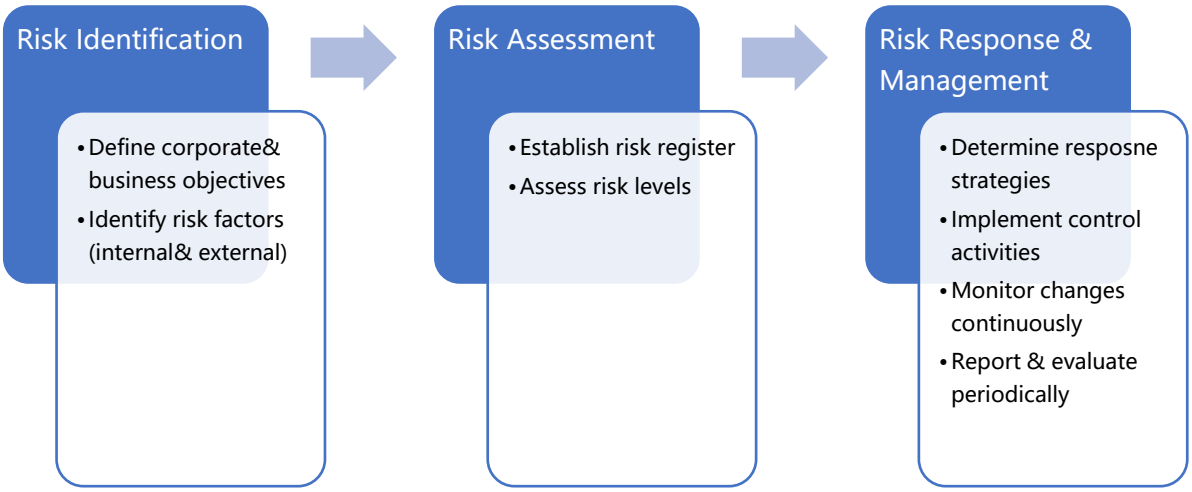
We consistently regard risk management as the core safeguard for corporate sustainable development. The Board of Directors and its subordinate Audit Committee are responsible for major risk management decisions, ensuring deep integration of risk management with the company's development strategy. By formulating and implementing the *Risk Management System*, we have established a comprehensive risk management framework covering strategic, operational, and financial reporting levels, incorporating ESG-related issues such as environmental compliance, climate change response, social responsibility fulfillment, and corporate governance transparency into the overall risk management framework.



Lightelligence Risk Management Organizational Structure

To address risks associated with our business, we have established a comprehensive risk management mechanism covering risk identification, assessment and response, and gradually realizing the integrated operation of compliance and risk control. To achieve this, we have undertaken and will continue to undertake the following measures: we have established product-line specific risk control guidelines for both optical interconnect and optical computing business lines, which stipulate the risk assessment process and risk

classification criteria for their respective fields; each internal department is responsible for the assessment of their department-specific, the formulation and implementation of corresponding measures to avoid or reduce such risks; we place emphasis on using IT methods to achieve process control and data tracking, enhancing our early risk-identification capabilities; we have incorporated major risk prevention and control into the performance evaluation of our employees to foster a culture that places emphasis on risk identification and prevention; and we also regularly organize internal training activities to enhance overall awareness of risks and response capabilities.



Lightelligence Risk Management Process

C. Intellectual Property Protection

Protecting intellectual property is crucial to our business. We strictly comply with the *Patent Law of the People's Republic of China*, the *Trademark Law of the People's Republic of China*, the *Copyright Law of the People's Republic of China*, and other relevant intellectual property laws and regulations. We have formulated the *Guidelines for Intellectual Property Application* to ensure that all company operations are conducted in a lawful and compliant manner, thereby safeguarding our own intellectual property rights while avoiding infringement upon third-party rights, promoting healthy and sustainable corporate development. As of the end of the Reporting Period, we had accumulated 410 patents (including both pending and granted patents).

To encourage technological innovation, we have implemented a tiered patent incentive program, providing corresponding rewards by category for intellectual property proposals—including invention patents, utility model patents, design patents, and software copyright registrations—that have been evaluated and are intended for submission. We also conduct regular specialized intellectual property training sessions covering fundamental knowledge of intellectual property, preparation of patent specification, and incentive measures, continuously enhancing employees' awareness and practical capabilities regarding intellectual property protection.

Protecting Our Intellectual Property	• All employees sign confidentiality agreements and intellectual property assignment agreements to ensure that innovation outcomes are assigned to the company from the outset. • A dedicated team is established to proactively conduct patent mining for technological achievements, plan applications, and provide lifecycle maintenance. • We actively apply for patents and trademarks, establish a registration portfolio, continuously monitor the status of these rights, and take action against potential conflicts. • We attach importance to the protection of commercial identifiers, including domain names, to prevent online infringement and brand confusion. • A trade secret protection policy is formulated, and non-compete obligations are implemented for core technical personnel.
Avoiding Infringement of Others' Intellectual Property Rights	• We proactively identify potential infringement risks through regular monitoring of published patents and industry developments. • We conduct Freedom to Operate (FTO) analyses for our core products to assess infringement risks. • Upon onboarding, employees are required to declare and isolate intellectual property from their previous employers to prevent ownership disputes and unintentional infringement.

Intelligence's Intellectual Property Protection Initiatives

As of the end of the Reporting Period, there were no significant or material pending lawsuits, disputes, or claims against the Group within China relating to intellectual

property infringement, nor were there any actual or potential disputes involving third parties infringing upon our intellectual property rights.

D. Information and Privacy Protection

We attach great importance to information security and privacy protection, and have formulated the *Information Security Policy* to safeguard the security and privacy of company, customer, employee, and other personal information and data. We have established a dedicated information security team responsible for developing, implementing, and monitoring information security strategies, conducting regular risk assessments and vulnerability scans, promptly identifying and rectifying security vulnerabilities, and ensuring the security and integrity of systems and data. With respect to employee privacy protection, we have clearly defined the principles and procedures for the collection, use, and protection of personal information in the *Employee Handbook* to ensure that employees' privacy rights are respected and protected.

We have implemented robust measures for information security and privacy protection, including strict limitation of access rights to personal information; deployment of comprehensive technical safeguards such as encryption and leakage prevention; physical isolation of internal and external networks; and regular information security inspections. In addition, we regularly provide employees with information security training to enhance overall security awareness and compliance.

During the Reporting Period, the Group did not experience any significant information breaches or data loss incidents.

7. Appendix: Index of the ESG Reporting Guide

Topic	Disclosure Item	Corresponding Section
A Environmental		
Aspect A1	**Emissions**	
General Disclosure	Information on (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to air emissions, discharges into water and land, and generation of hazardous and non-hazardous waste.	Environmental Chapter: Light and Green Operation > Environmental Compliance Management
A1.1	The types of emissions and respective emissions data.	Environmental Chapter: Light and Green Operation > Environmental Compliance Management
A1.3	Total hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	Environmental Chapter: Light and Green Operation > Environmental Compliance Management
A1.4	Total non-hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	Environmental Chapter: Light and Green Operation > Environmental Compliance Management
A1.5	Description of emission target(s) set and steps taken to achieve them.	Environmental Chapter: Light and Green Operation > Environmental Compliance Management

A1.6	Description of how hazardous and non-hazardous wastes are handled, and a description of reduction target(s) set and steps taken to achieve them.	Environmental Chapter: Light and Green Operation > Environmental Compliance Management
Aspect A2	**Use of Resources**	
General Disclosure	Policies on the efficient use of resources, including energy, water and other raw materials.	Environmental Chapter: Light and Green Operation > Environmental Compliance Management
A2.1	Direct and/or indirect energy consumption by type (e.g. electricity, gas or oil) in total (kWh in '000s) and intensity (e.g. per unit of production volume, per facility).	Environmental Chapter: Light and Green Operation > Environmental Compliance Management
A2.2	Water consumption in total and intensity (e.g. per unit of production volume, per facility).	Environmental Chapter: Light and Green Operation > Environmental Compliance Management
A2.3	Description of energy use efficiency target(s) set and steps taken to achieve them.	Environmental Chapter: Light and Green Operation > Environmental Compliance Management
A2.4	Description of whether there is any issue in sourcing water that is fit for purpose, water efficiency target(s) set and steps taken to achieve them.	Environmental Chapter: Light and Green Operation > Environmental Compliance Management
A2.5	Total packaging material used for finished products (in tonnes) and, if applicable, with reference to per unit produced.	Environmental Chapter: Light and Green Operation >

		Environmental Compliance Management
Aspect A3	**The Environment and Natural Resources**	
General Disclosure	Policies on minimising the issuer's significant impacts on the environment and natural resources.	Environmental Chapter: Light and Green Operation > Environmental Compliance Management
A3.1	Description of the significant impacts of activities on the environment and natural resources and the actions taken to manage them.	Environmental Chapter: Light and Green Operation > Environmental Compliance Management
B. Social		
Aspect B1	**Employment and Labour Practices**	
General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to compensation and dismissal, recruitment and promotion, working hours, rest periods, equal opportunity, diversity, anti-discrimination, and other benefits and welfare.	Social Chapter: Collective and Sustainable Value Chain > Talent Attraction and Retention
B1.1	Total workforce by gender, employment type (for example, full- or part-time), age group and geographical region.	Social Chapter: Collective and Sustainable Value Chain > Talent Attraction and Retention
B1.2	Employee turnover rate by gender, age group and geographical region.	Social Chapter: Collective and Sustainable Value Chain > Talent Attraction and Retention
Aspect B2	**Health and Safety**	

General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to providing a safe working environment and protecting employees from occupational hazards.	Social Chapter: Collective and Sustainable Value Chain > Talent Attraction and Retention
B2.1	Number and rate of work-related fatalities occurred in each of the past three years including the reporting year.	Social Chapter: Collective and Sustainable Value Chain > Talent Attraction and Retention
B2.2	Lost days due to work injury.	Social Chapter: Collective and Sustainable Value Chain > Talent Attraction and Retention
B2.3	Description of occupational health and safety measures adopted, and how they are implemented and monitored.	Social Chapter: Collective and Sustainable Value Chain > Talent Attraction and Retention
Aspect B3	**Development and Training**	
General Disclosure	Policies on improving employees' knowledge and skills for discharging duties at work. Description of training activities.	Social Chapter: Collective and Sustainable Value Chain > Talent Development and Growth
B3.1	The percentage of employees trained by gender and employee category (e.g. senior management, middle management).	Social Chapter: Collective and Sustainable Value Chain > Talent Development and Growth
B3.2	The average training hours completed per employee by gender and employee category.	Social Chapter: Collective and Sustainable Value Chain > Talent Development and Growth
Aspect B4	**Labour Standards**	

General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to preventing child and forced labour.	Social Chapter: Collective and Sustainable Value Chain > Talent Attraction and Retention
B4.1	Description of measures to review employment practices to avoid child and forced labour.	Social Chapter: Collective and Sustainable Value Chain > Talent Attraction and Retention
B4.2	Description of steps taken to eliminate such practices when discovered.	Social Chapter: Collective and Sustainable Value Chain > Talent Attraction and Retention
Aspect B5	**Supply Chain Management**	
General Disclosure	Policies on managing environmental and social risks of the supply chain.	Social Chapter: Collective and Sustainable Value Chain > Supplier Management
B5.1	Number of suppliers by geographical region.	Social Chapter: Collective and Sustainable Value Chain > Supplier Management
B5.2	Description of practices relating to engaging suppliers, number of suppliers where the practices are being implemented, and how they are implemented and monitored.	Social Chapter: Collective and Sustainable Value Chain > Supplier Management
B5.3	Description of practices used to identify environmental and social risks along the supply chain, and how they are implemented and monitored.	Social Chapter: Collective and Sustainable Value Chain > Supplier Management

B5.4	Description of practices used to promote environmentally preferable products and services when selecting suppliers, and how they are implemented and monitored.	Social Chapter: Collective and Sustainable Value Chain > Supplier Management
Aspect B6	**Product Responsibility**	
General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to health and safety, advertising, labelling and privacy matters relating to products and services provided and methods of redress.	Social Chapter: Collective and Sustainable Value Chain > Product Quality and Safety
B6.1	Percentage of total products sold or shipped subject to recalls for safety and health reasons.	Social Chapter: Collective and Sustainable Value Chain > Product Quality and Safety
B6.2	Number of products and service related complaints received and how they are dealt with.	Social Chapter: Collective and Sustainable Value Chain > Product Quality and Safety
B6.3	Description of practices relating to observing and protecting intellectual property rights.	Governance Chapter: Responsible and Solid Governance > Intellectual Property Protection
B6.4	Description of quality assurance process and recall procedures.	Social Chapter: Collective and Sustainable Value Chain > Product Quality and Safety
B6.5	Description of consumer data protection and privacy policies, and how they are implemented and monitored.	Governance Chapter: Responsible and Solid Governance > Information and Privacy Protection

Aspect B7	**Anti-corruption**	
General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to bribery, extortion, fraud and money laundering.	Governance Chapter: Responsible and Solid Governance > Compliance and Integrity
B7.1	Number of concluded legal cases regarding corrupt practices brought against the issuer or its employees during the reporting period and the outcomes of the cases.	Governance Chapter: Responsible and Solid Governance > Compliance and Integrity
B7.2	Description of preventive measures and whistle-blowing procedures, and how they are implemented and monitored.	Governance Chapter: Responsible and Solid Governance > Compliance and Integrity
B7.3	Description of anti-corruption training provided to directors and staff.	Governance Chapter: Responsible and Solid Governance > Compliance and Integrity
Aspect B8	**Community Investment**	
General Disclosure	Policies on community engagement to understand the needs of the communities where the issuer operates and to ensure its activities take into consideration the communities' interests.	Social Chapter: Collective and Sustainable Value Chain > Social Contribution
B8.1	Focus areas of contribution (e.g. education, environmental concerns, labour needs, health, culture, sport).	Social Chapter: Collective and Sustainable Value Chain > Social Contribution
B8.2	Resources contributed (e.g. money or time) to the focus area.	Social Chapter: Collective and Sustainable Value Chain > Social Contribution

Part D: Climate-related Disclosures

Climate-related Disclosures Requirements	Description	Section Name
Governance	(a) the governance body(s) or individual(s) responsible for oversight of climate-related risks and opportunities	Environmental Chapter: Light and Green Operation > Climate Change Response
	(b) management' s role in the governance processes, controls and procedures used to monitor, manage and oversee climate-related risks and opportunities	Environmental Chapter: Light and Green Operation > Climate Change Response
Strategy	Climate-related risks and opportunities	Environmental Chapter: Light and Green Operation > Climate Change Response
	Business model and value chain	Environmental Chapter: Light and Green Operation > Climate Change Response
	Strategy and decision-making	Environmental Chapter: Light and Green Operation > Climate Change Response
	Financial position, financial performance and cash flows	Environmental Chapter: Light and Green Operation > Climate Change Response
	Climate resilience	Environmental Chapter: Light and Green Operation > Climate Change Response
Risk Management	(a) the processes and related policies it uses to identify, assess, prioritise and monitor climate-related risks	Environmental Chapter: Light and Green

		Operation > Climate Change Response
	(b) the processes the issuer uses to identify, assess, prioritise and monitor climate-related opportunities (including information about whether and how the issuer uses climate-related scenario analysis to inform its identification of climate-related opportunities); and	Environmental Chapter: Light and Green Operation > Climate Change Response
	(c) the extent to which, and how, the processes for identifying, assessing, prioritising and monitoring climate-related risks and opportunities are integrated into and inform the issuer's overall risk management process	Environmental Chapter: Light and Green Operation > Climate Change Response
Metrics and Targets	Greenhouse gas emissions	Environmental Chapter: Light and Green Operation > Climate Change Response
	Climate-related transition risks	Environmental Chapter: Light and Green Operation > Climate Change Response
	Climate-related physical risks	Environmental Chapter: Light and Green Operation > Climate Change Response
	Climate-related opportunities	Environmental Chapter: Light and Green Operation > Climate Change Response
	Capital deployment	Environmental Chapter: Light and Green Operation > Climate Change Response
	Internal carbon prices	Environmental Chapter: Light and Green

		Operation > Climate Change Response
	Remuneration	Environmental Chapter: Light and Green Operation > Climate Change Response
	Industry-based metrics	Environmental Chapter: Light and Green Operation > Climate Change Response
	Climate-related targets	Environmental Chapter: Light and Green Operation > Climate Change Response


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