



JEBSEE ELECTRONICS CO., LTD.

2023

# TCFD report

Climate-related Financial Disclosure Report



# Contents

## Preface

◆ 01 Governance	4	◆ 03 Climate Change & Risk	14
1.1 Get to know JEBSEE	5	3.1 Climate change risk identification	15
1.2 Letter from the Chairman	6	3.2 Major risk management	15
1.3 Letter from the GM	7	3.3 Situational simulation strategy	16
1.4 Organization and Responsibilities	8	3.4 Other climate risks	18
1.5 Organizational boundaries	9	◆ 04 Metrics & Goals	23
◆ 02 Strategy	10	4.1 Carbon reduction target	24
2.1 Sustainable Development Strategy	11	4.2 Other goals	24
2.2 Short-term risks (within 3 years)	11	4.3 Other indicators	26
2.3 Medium-term risks (3 to 6 years)	12	◆ 05 Low-Carbon Transition	27
2.4 Long-term risks (6 to 10+ years)	13	◆ 06 TCFD Disclosure Indicators	31
		◆ 07 About TCFD report	33

# Preface

In recent years, climate change caused by global warming and greenhouse gas emissions has posed significant risks to the world economy. The rapid melting of polar ice caps threatens to affect the evolution of numerous species and brings intangible losses to businesses. However, business leaders and investors often struggle to identify which companies are most vulnerable to climate change. To address this, the Financial Stability Board (FSB) established a task force, the Task Force on Climate-related Financial Disclosures (TCFD). After 18 months of consultations with business and financial leaders, TCFD released its final recommendations in June 2017, outlining clear guidelines on how to disclose risks and opportunities related to climate change. These recommendations offer a comprehensive framework that integrates climate risks into corporate financial reporting, providing businesses and investors with tools to manage and assess climate-related risks and opportunities.

In response to global trends, Jebsee Electronics Co., Ltd. (Jebsee Electronics) plans to adopt the TCFD recommendations. This will enable the company to disclose risks and opportunities posed by climate change and showcase its corporate responsibility and strategy, aligning with the vision of transitioning to a low-carbon economy through more effective capital allocation.

TCFD is a set of guidelines for climate-related financial disclosures developed by the Financial Stability Board (FSB) in 2015. Its purpose is to address climate change and the Paris Agreement, offering professional guidance for disclosures to ensure that climate issues are integrated into business and investment decision-making processes. It also assists investors, decision-makers, and other stakeholders in better understanding organizations' significant risks and in evaluating climate-related risks, opportunities, and financial impacts more accurately.

## ● The core elements of TCFD include :

### 1. Governance :

Focus on how organizations address climate issues and manage related risks and opportunities, including board oversight and management's role in assessing and making decisions.

### 2. Strategy :

Understanding how climate issues affect an organization' s short-, medium-, and long-term business, policies, and financial planning, and how these factors are integrated into future performance forecasts.

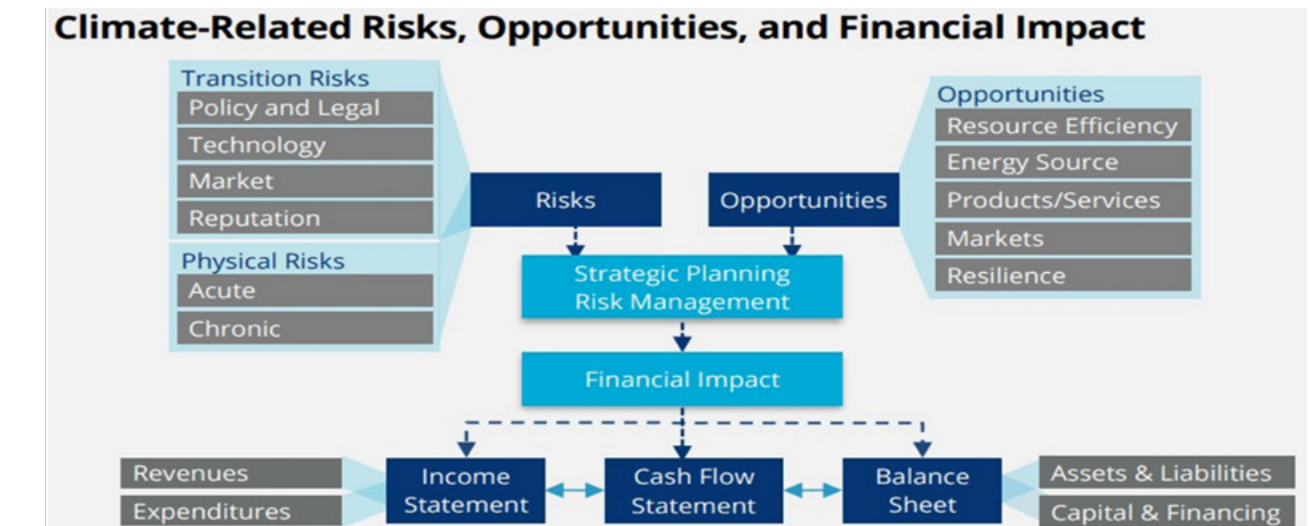
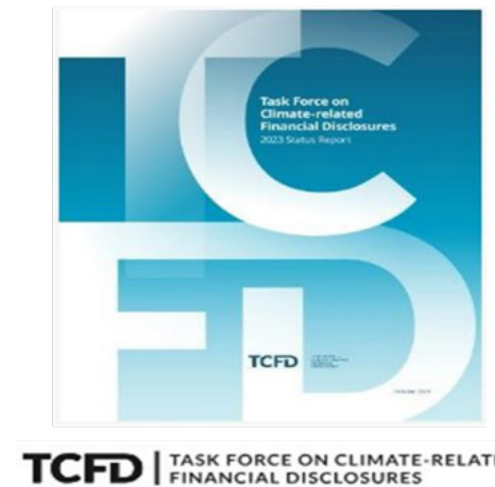
### 3. Risk Management :

Disclosing how organizations identify, assess, and manage climate-related risks and integrate them into existing risk management processes.

### 4. Metrics and Targets :

Measuring and monitoring climate-related risks and opportunities to assess potential returns, fulfillment of financial obligations, exposure to climate risks, and progress in managing and adapting to these risks.

- These core elements help investors and decision-makers better understand an organization' s climate-related risks and opportunities, promoting more comprehensive information disclosure.



Ref: TCFD (2017)<https://assets.bbhub.io/company/sites/60/2023/09/2023-Status-Report.pdf>

- Jebsee Electronics is committed to implementing the TCFD recommendations, recognizing the risks and opportunities posed by climate change, and demonstrating its corporate responsibility and strategy to effectively allocate capital, with the aim of transitioning to a low-carbon economy.



# 01 Governance



- 1.1 Get to know JEBSEE
- 1.2 Letter from the Chairman
- 1.3 Letter from the GM
- 1.4 Organization and Responsibilities
- 1.5 Organizational boundaries

## 1.1 | Get Know JEBSEE

"Integrity, Diligence, Pragmatism, and Innovation" are values that Jebsee Electronics has upheld since its inception. We firmly believe that while pursuing the material and spiritual well-being of all employees, the company should also contribute to the progress of human society.

As more countries and multinational corporations prioritize the impact of greenhouse gases and climate change, Jebsee Electronics, as a global citizen and a crucial part of the international supply chain, recognizes the urgency of addressing climate change.

In response to market investment trends and sustainable development, both large enterprises and small-to-medium-sized businesses are increasingly being held to ESG standards, facing challenges in sustainable operations. To meet the goal of reducing environmental impacts and to adapt to changes, we aim to improve our green productivity and international competitiveness. By conducting greenhouse gas inventories and tracking the company's carbon emissions, we are formulating ongoing improvement plans to align with global ESG trends.

Facing the ever-changing market environment, Jebsee Electronics remains committed to protecting the planet and will continue to implement sustainable environmental initiatives within its operations. We strive to balance production, environmental preservation, and human values while fulfilling our corporate social responsibility.

Founded in Tainan in 1975, Jebsee Electronics initially focused on developing television reception system components. Over the past 47 years, we have devoted ourselves to the research, development, production, and marketing of cable and satellite TV reception system components, as well as automotive antennas and related parts.



## 1.2 | Letter from the Chairman

Dear colleagues and stakeholders,

Climate change is gradually impacting the way we live, and businesses around the world are becoming increasingly aware of this issue and seeking ways to address it. Jebsee Electronics is facing growing calls from stakeholders, urging us to take action on greenhouse gas emissions as we conduct our business operations. As a leader in the semiconductor and packaging industry, we are fully committed to practicing ESG and developing a sustainable new business model that balances growth and sustainability. We firmly believe that technology can make a concrete contribution to building climate resilience, creating a better future for the next generation.

To develop a comprehensive and robust climate strategy, Jebsee Electronics has established a dedicated high-level climate governance team. We understand the importance of disclosing and taking responsibility for our greenhouse gas emissions and the pathways we follow. Starting in 2024, Jebsee Electronics will publish climate-related information following the TCFD (Task Force on Climate-related Financial Disclosures) framework, and we will release our first Climate-Related Financial Disclosures report that year. This report will detail our governance, strategy, risk management, and emissions reduction targets and plans in response to climate change. Our journey will begin with a "low-carbon mission," incorporating innovative planning and ongoing reviews. Through a process of "scientific reduction," we will gradually achieve "net-zero emissions." In 2023, Jebsee Electronics completed the scope 1 and 2 greenhouse gas inventories for all global sites, and we aim to meet the absolute reduction targets set by the Science Based Targets initiative (SBTi), fulfilling our net-zero commitment in phases.

We recognize that climate change is not only a global challenge but also an opportunity. Jebsee Electronics will continue to focus on green innovation and sustainable operations, working hand-in-hand with all of you to create a low-carbon, green, and sustainable future.

Thank you for your continued support and collaboration.

羅三國



## 1.3 | Letter from the GM

Dear Partners,

In these challenging yet opportunity-filled times, I would like to share some thoughts about TCFD (Task Force on Climate-related Financial Disclosures). TCFD is an important framework that encourages companies to disclose climate-related risks and opportunities and incorporate them into their financial reporting. As a leading technology company, we are fully aware of the impact climate change has on our business and society. Therefore, we have taken a series of measures to address this global challenge.

Firstly, we are committed to reducing greenhouse gas emissions. We have set ambitious targets and are actively promoting the use of renewable energy, such as solar power systems and green energy certificates. We are also continuously improving our production processes and transportation methods to minimize our impact on climate change.

Secondly, we are focused on decarbonizing our supply chain. We encourage our suppliers to join us in our efforts to achieve net-zero emissions.

Finally, we care not only about the environment but also about the well-being of our employees. We provide climate-related education and training, encouraging employees to participate in various sustainability initiatives.

Let us work together to address climate change and strive for a better future for our planet.

Thank you, everyone.

羅凱南



## 1.4 | Organization and Responsibilities

Jebsee Electronics effectively manages climate change risks and potential impacts by integrating related issues and opportunities into its overall strategy, with in-depth discussions and oversight by the CSR Committee. The committee is led by the Sustainability Development Department, which drives related processes, identifies key risks and opportunities, and ensures the company remains proactive and resilient in the field of sustainable development.

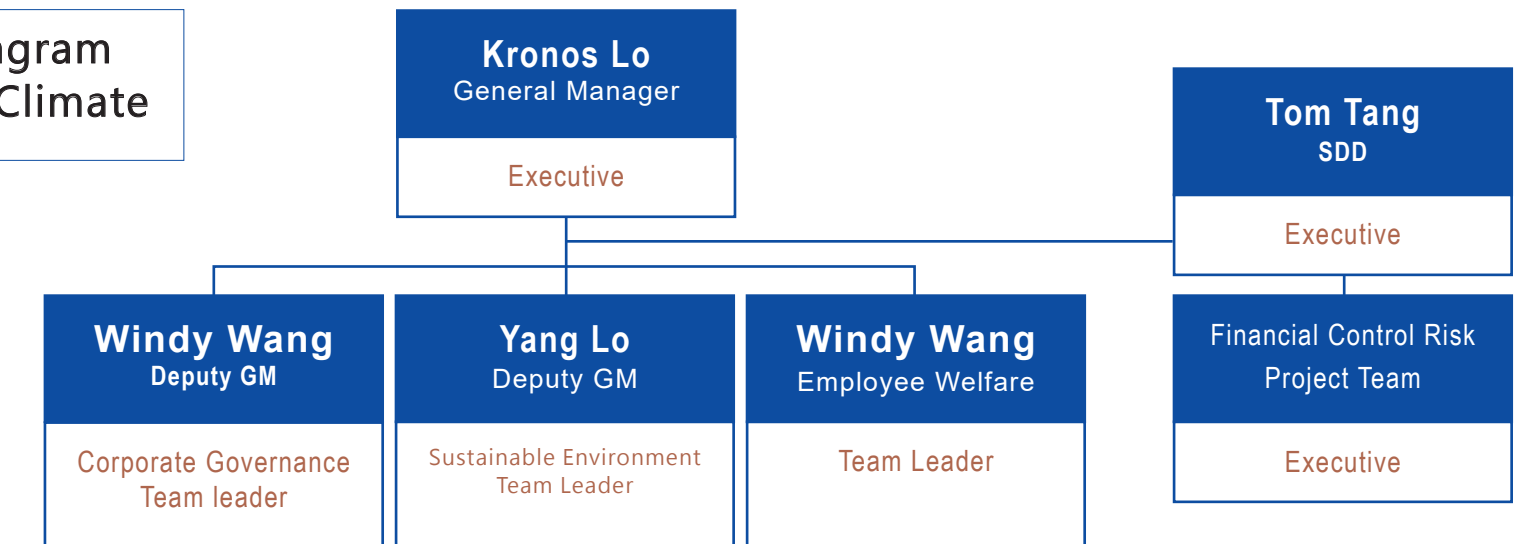
The CSR Committee, chaired by the company's General Manager (a member of the Board), is responsible for reviewing and approving all CSR-related policies and decisions, including those regarding climate change risks and major business opportunities. To strengthen management and implement these policies, three key thematic groups have been established:

- Social Welfare
- Sustainable Environment
- Corporate Governance

The core responsibilities of these groups include gathering relevant environmental issues (such as climate change and water resource management), analyzing risks and opportunities, identifying major risks and opportunities, and proposing concrete response plans. Each month, department heads report the progress of these actions in management meetings, and the results are recorded and submitted to the General Manager to ensure strategies and decisions are effectively implemented and monitored.

The company's environmental performance and progress in addressing climate change and water resource management are presented in an annual CSR report. This report is completed by June each year and must be reviewed and approved by the Board before official publication, ensuring transparency and completeness while showcasing Jebsee Electronics' commitment and achievements in sustainable development.

Structure diagram of the TCFD Climate



▲ Figure 1. Structure diagram of the TCFD Climate Change Commission

### ● Detailed responsibilities of the thematic groups include:

1. **Social Welfare:** Focuses on community development and employee well-being, promoting leadership in corporate social responsibility by supporting community development and enhancing employee health and safety.
2. **Sustainable Environment:** Aims to reduce the company's environmental footprint through initiatives addressing climate change, energy management, and water resource conservation, to achieve a more sustainable business model.
3. **Corporate Governance:** Strengthens internal governance structures to ensure best practices in risk management, legal compliance, and board diversity.

## 1.5 | Organizational boundaries

Factory area	address
Xinln	No. 24-3, Xinln Rd., South Dist., Tainan City , Taiwan (R.O.C.)
Xinre	No. 18, Xinren Rd., South Dist., Tainan City , Taiwan (R.O.C.)

## 02 Strategy



- 2.1 Sustainable Development Strategy
- 2.2 Short-term risks (within 3 years)
- 2.3 Medium-term risks (3 to 6 years)
- 2.4 Long-term risks (6 to 10+ years)

## 2.1 | Sustainable Development Strategy

Jebsee Electronics' sustainability strategy aims to deeply integrate professional expertise with environmental principles, focusing on promoting innovative green manufacturing processes and product development. Through lean production, we enhance resource utilization efficiency and extensively adopt eco-friendly materials and green energy technologies. Our goal is to provide products and services that meet ecological safety standards, ensuring steady business growth while fulfilling the needs and expectations of our stakeholders.

## 2.2 | Short-term risks (within 3 years)

### 1. Consider increasing opportunities for green buildings and actively participating in green energy

Incorporating green buildings and actively pursuing opportunities in green energy integration can significantly enhance Jebsee Electronics' image. By applying for Taiwan's Green Building Energy Label and the U.S. LEED certification for high-carbon-emission buildings, Jebsee can demonstrate its commitment to aligning with global ESG trends. Additionally, switching from Taiwan Power's high-emission electricity to low-emission solar energy, combined with an energy storage system, would generate 30.2KW for self-use annually, effectively reducing carbon emissions, minimizing air pollution fees, and making full use of renewable energy.

### 2. Sustainability Risks in the Supply Chain

To meet the sustainability expectations of brand clients, Jebsee Electronics focuses on environmental protection, labor rights, and creating a friendly work environment. Social responsibility issues like coexisting with local communities and corporate governance topics such as anti-corruption, risk management, and competition laws are equally important. Leading global automakers are pushing ESG standards down the supply chain, making it inevitable for all stakeholders, including Tier 1 to Tier 3 suppliers, to adopt these standards. Jebsee has established a dedicated team to ensure compliance with client expectations, aiming to maintain over 90% customer satisfaction annually.



### 3. Regulatory Risks

Governments are implementing renewable energy regulations that require high-energy consumers to install renewable energy systems or purchase renewable energy certificates (T-RECs) to avoid penalties. This compels companies to take immediate action to meet legal energy requirements.

### 4. Opportunities in Process Improvement

From 2022 to 2023, Jebsee Electronics has been actively improving its internal processes, establishing ESG sustainability, AI, and digital transformation departments. These efforts promote lean production and digital-to-digital (DTD) scheduling. In 2024, Jebsee applied for government smart transformation subsidies to lead four companies through intelligent transformation, aiming to improve production efficiency with zero time delays and reduce carbon emissions by 10%.

## 2.3 | Medium-term risks (3 to 6 years)

### 1. (INDC) Intended Nationally Determined Contribution Risks

Under the Intended Nationally Determined Contributions (INDC) scenario, Taiwan's mid-term target is to reduce greenhouse gas emissions by 20% compared to 2005 levels by 2030, bringing emissions down to 214 million metric tons. According to national energy policy, nuclear power will not be used for electricity generation by 2030, and Taiwan Power Company (TPC), the country's sole electricity provider, has not yet disclosed electricity price forecasts or plans for that year. In response, Jebsee Electronics will closely monitor developments in the renewable energy market and related regulations to make informed and favorable decisions.

### 2. Opportunities for environmentally friendly and low-carbon products

Brand clients' increasing emphasis on environmentally friendly materials, coupled with the shifting climate patterns (extreme hot and cold cycles), presents business opportunities tied to eco-friendly and functional products. Recognizing the competitive edge of such products, we have identified several key medium- to long-term development focuses:

**A. Development of eco-friendly, low-carbon products**

**B. Functional product innovation.**

**C. Forward-looking product research.**

**D. Green design in R&D.**

## 2.4 | Long-term risks (6 to 10+ years)

### 1. Energy efficiency and carbon emissions management :

Jebsee Electronics will focus more on assessing energy usage within the antenna industry and seek ways to improve energy efficiency. This includes using more energy-efficient equipment, adopting renewable energy sources such as solar, wind, hydrogen, hydropower, and energy storage, while reducing carbon emissions. The company will conduct a carbon footprint assessment to identify key sources of carbon emissions and implement a plan to reduce emissions by 10%.

### 2. Supply chain management :

Jebsee will evaluate the climate risks within its downstream partners' supply chains, such as the climate risks faced by raw material suppliers due to extreme weather events. The company will collaborate with suppliers and hold an annual supplier conference. The goal is for 30% of suppliers to commit to ESG initiatives and participate in the Responsible Business Alliance (RBA) annually, increasing participation by 30% each year. Together, they will develop climate risk management strategies to ensure the sustainability of the entire supply chain.

### 3. Technological innovation and R&D :

Jebsee will invest in technological innovation to develop more energy-efficient and environmentally friendly products and solutions. The company will form alliances within and across industries, partnering with government agencies to research new materials and designs. Each year, 50 new products and technologies will be introduced, and the team will be required to attend 3-5 national research and development meetings monthly. This will drive innovation and reduce the carbon footprint by transforming these innovations into independent Jebsee components.

### 4. Risk disclosure and management :

In alignment with TCFD recommendations, Jebsee will assess the impact of climate risks and disclose relevant information, including the type, scope, and management strategies for these risks. Climate risk will be integrated into the company's overall risk management and will be regularly reviewed and updated. Moving forward, Jebsee plans to join RE100, the 2050 Net Zero Initiative, and SBTi, emphasizing its commitment to voluntary carbon reduction as a global citizen. Jebsee will also strive for recognition from these organizations, underscoring its contributions to global sustainability.

## 03 Climate Change & Risk



- 3.1 Climate change risk identification
- 3.2 Major risk management
- 3.3 Situational simulation strategy
- 3.4 Other climate risks

### 3.1 | Climate change risk identification

The content you've provided outlines Jebsee Electronics' approach to integrating climate-related risks and opportunities with various international standards like ISO14001, ISO9001, and others. Here's a simplified version:

#### Risk and Opportunity Identification and Management

Jebsee Electronics has integrated climate-related risk and opportunity identification with established international standards, including ISO 14001, ISO 9001, ISO 22301, ISO 45001, ISO 14064-1 and more. The company follows national and international regulations while aiming to exceed these requirements through effective management mechanisms. Every year, R&D, energy management, safety, and sustainability departments collaborate to assess external and internal risks. This evaluation, based on TCFD recommendations, identifies both transitional and physical risks. If the financial impact exceeds NT\$10 million, it is classified as a company-level risk.

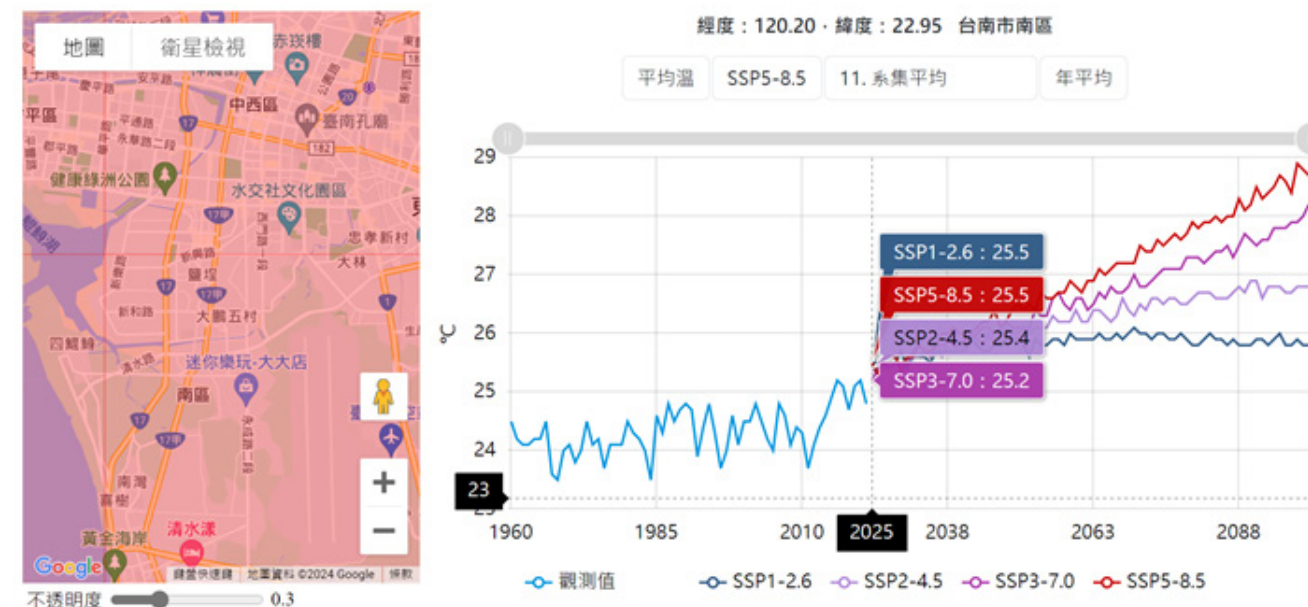
### 3.2 | Major risk management

For events identified as significant risks, corresponding management plans must be developed to mitigate potential losses. We analyze all possible management solutions, setting indicators that may involve eliminating, reducing, or diversifying risks. The final plan is decided through meetings. All management strategies must undergo regular monitoring or be integrated with our environmental management systems, such as ISO 14001, ISO 9001, ISO 22301, ISO 45001, ISO 14064-1 which cover quality and environmental risk management. These measures aim to exceed legal requirements and ensure effective integration into the company's comprehensive risk management framework.

## 3.3 | Situational simulation strategy

We utilized the Intended Nationally Determined Contribution (INDC) and Representative Concentration Pathway (RCP) scenario simulations to analyze potential operational and physical impacts on our company. Under the INDC scenario, the national mid-term target aims to reduce greenhouse gas emissions by 20% by 2030 compared to 2005 levels, bringing emissions down to 214 million metric tons. This scenario outlines different strategies for seven key sectors, including energy, industry, residential, services, transportation, agriculture, and waste management, which may affect our operations.

In the RCP scenario simulations, we used the National Open Platform (TCCIP) to model the most severe conditions related to temperature and rainfall changes across four RCP scenarios.



▲ 圖 2、線上模擬各 RCP 的 4 種情

### Taiwan Future Projections – Single Grid Temporal Changes

- Resolution: 0.05° grid
- Time: Observed data from 1960–2021, future projections from 2025–2100
- Variables: Average temperature, maximum temperature, minimum temperature, rainfall.
  - Temperature unit: ° C,
  - Rainfall unit: mm/day
- Scenarios (Note 1): SSP1-2.6, SSP2-4.5, SSP3-7.0, SSP5-8.5
- Models (Note 2): Individual models and ensemble means
- Time Scale: Annual average, four seasons (Winter: Dec–Feb, Spring: Mar–May, Summer: Jun–Aug, Fall: Sep–Nov), from January to December

#### ※ Note 1:

The scenarios reference the four important emission scenarios defined in the Sixth Assessment Report (AR6) of the Intergovernmental Panel on Climate Change (IPCC). These scenarios combine "Shared Socioeconomic Pathways (SSPs)" with "Representative Concentration Pathways (RCPs)", known as SSP-RCPs, representing variations in radiative forcing under different socioeconomic developments. SSP1-2.6 represents a low emission scenario, SSP2-4.5 a moderate emission scenario, SSP3-7.0 a high emission scenario, and SSP5-8.5 an extremely high emission scenario. For further details, see the scenario descriptions.

#### ※ Note 2:

Ensemble mean refers to the average of all models. The number of models used for temperature variables in each scenario is SSP1-2.6 (25), SSP2-4.5 (26), SSP3-7.0 (23), SSP5-8.5 (26). The number of models used for rainfall variables in each scenario is SSP1-2.6 (28), SSP2-4.5 (29), SSP3-7.0 (27), SSP5-8.5 (29). For further details, see the model descriptions.



# 3.4 | Other climate risks

Jebsee Electronics has identified relevant climate risks for a comprehensive report and has organized lower-level transition risks and corresponding measures into the following tables: Table 3.11 for Transition Risks, Table 3.2 for Physical Risks, and Table 3.3 for Climate Opportunities.

Table 3.1 for Transition Risks

Risk type	Climate-Related Topic	Risk Description	Countermeasures
Policies and laws	Regulations in Tainan's Low-Carbon City, requiring a certain percentage of renewable energy installations.	The cost increase due to nvestments required by regulations, such as installing renewable energy equipment or purchasing renewable energy	Continuous energy conservation.
	The inclusion in the first batch of the Climate Change Response Act's greenhouse gas emission registry.	The cost increase due to the inventory and registration process.	Comply with legal requirements
	Taiwan's Intended Nationally Determined Contribution (INDC) and renewable energy policies.	High costs of renewable energy and potential increases in electricity costs, leading to higher operational expenses.	1. Continuously improve energy efficiency. 2. Explore opportunities for renewable energy installations.

Technology	Transition to low-emission / low-environmental impact technologies, replacing existing technologies.	High material and technology investment costs with uncertain returns, risking customer support.	Develop new customers and upgrade equipment to produce lower emissions / Low environmental impact
	Low adoption rate of low-carbon emission technologies.	AI technology investment and deployment might be unstable and less efficient, leading to increased operational costs.	Enhance AI-driven prediction and standardization processes to improve quality
Risk type	Climate-Related Topic	Risk Description	Countermeasures
Market	Customer demands for sustainability/ environmental protection/low-carbon products.	Inability to meet these demands might reduce revenue.	Adapt and meet customer demands.
	Increased costs due to carbon taxes and regulations, raising the cost of raw materials supplied by vendors.	Higher operating costs, leading to lower profits	Establish long-term contracts and supply chain management systems to stabilize costs
Reputation	Negative public perception of fossil fuel-derived products.	Brand reputation could suffer due to public and customer shift towards green/renewable products, potentially reducing revenue.	Increase annual investment in green and environmentally friendly product research and development.

Table 3.2 for Physical Risks

Risk type	Climate-Related Topic	Risk Description	Countermeasures
Acute	Increased intensity of heavy rainfall, which may overwhelm drainage systems, cause flooding in plant areas, or lead to other related incidents.	Potential damage to equipment, disrupting production operations.	1. Enhance emergency response actions. 2. Increase disaster prevention equipment.
Acute	Increased intensity of heavy rainfall, which may overwhelm drainage systems, cause flooding in plant areas, or lead to other related incidents.	Potential damage to equipment, disrupting production operations.	1. Enhance emergency response actions. 2. Increase disaster prevention equipment.
Acute	Water supply disruptions.	Malfunctioning water supply systems, causing companies to lack sufficient drinking water due to various factors, including natural disasters, equipment failures, or water quality issues.	1. Water Supply Infrastructure:Improve water storage facilities and enhance water sources and pumping stations to ensure continued supply during disruptions. 2. Pipeline Management:Ensure the quality and safety of water sources, including monitoring for pollution and implementing preventive measures. 3. Emergency Planning:Develop comprehensive emergency plans, including the use of alternate water sources and storage solutions to ensure operational continuity 4. Emergency contingency plan: Develop a water outage contingency plan, including evacuation, water supply locations, water storage containers, and emergency water supply. 5. Water Conservation:Educate the public on water conservation, reduce water waste, and extend the use of existing water resources. 6. Climate Resilience:Consider alternative water sources and develop strategies to reduce reliance on a single source, such as optimizing equipment design and system resilience.

Risk type	Climate-Related Topic	Risk Description	Countermeasures
Acute	Power Outages	Impacts on daily life, industrial operations, and public safety.	1. Establish a dedicated Risk Management and Control unit to enhance risk classification and monitoring. 2. Collaborate with internal and external power experts to ensure grid stability and reliability. 3. Personnel training and risk awareness: Strengthen personnel training, improve risk awareness, and reduce human operating errors.
Chronic	Rising Temperatures (2021-2040 average temperature increase, Tainan RCP8.5, maximum increase 1.6° C)	Increased Air Conditioning Load: Leads to higher electricity consumption, raising operational expenses (OPEX) and capital expenditures (CAPEX).	Future implementation of the ISO 50001 Energy Management System to sustain energy efficiency and prioritize high-return investment projects.
	Rising Sea Levels (RCP8.5, increase by 0.3M)	Rising Sea Levels: Affects drainage capacity in industrial areas, impacting production operations.	1. Strengthen emergency Countermeasures. 2. Increase disaster prevention equipment.

Table 3 for Climate Opportunities.

Risk type	Climate-Related Topic	Risk Description	Countermeasures
Resource Efficiency	Factory AI Plan.	1. Improve efficiency to reduce electricity, water, and raw material costs. 2. Uncertainty regarding regulations related to temperature reduction and emissions.	Collaborate with data analytics companies to enhance equipment and staff efficiency.
	ISO 50001 Energy Management Strategy.	Reduce electricity costs and uncertainty in regulations related to emissions reductions.	Implement ISO 50001, integrate energy-saving measures, and collaborate on energy conservation monitoring.
Market	Opportunity to modify power systems.	Reduce electricity costs and uncertainty in regulations related to emissions reductions.	Retrofit existing equipment to use low-emission fuels, like solar energy, to reduce greenhouse gas emissions.

# 04 Metrics & Goals



- 4.1 Carbon reduction target
- 4.2 Other goals
- 4.3 Other indicators



# 4.1 | Carbon Reduction Target

Jebsee Electronics conducts annual audits of its factory emissions and reports the results in the environment section of its ESGreport ( 3.2 Climate Change)

Table 4.1 - Emissions Comparison Table

Annual	2022 (Baseline)	2023	2024	2025	2026	2027	2029 (Target)
Emissions Targets (tCO <sub>2</sub> e)	3,871.611	August 2024	-	-	-	-	-

Comparison with  
base year (%)

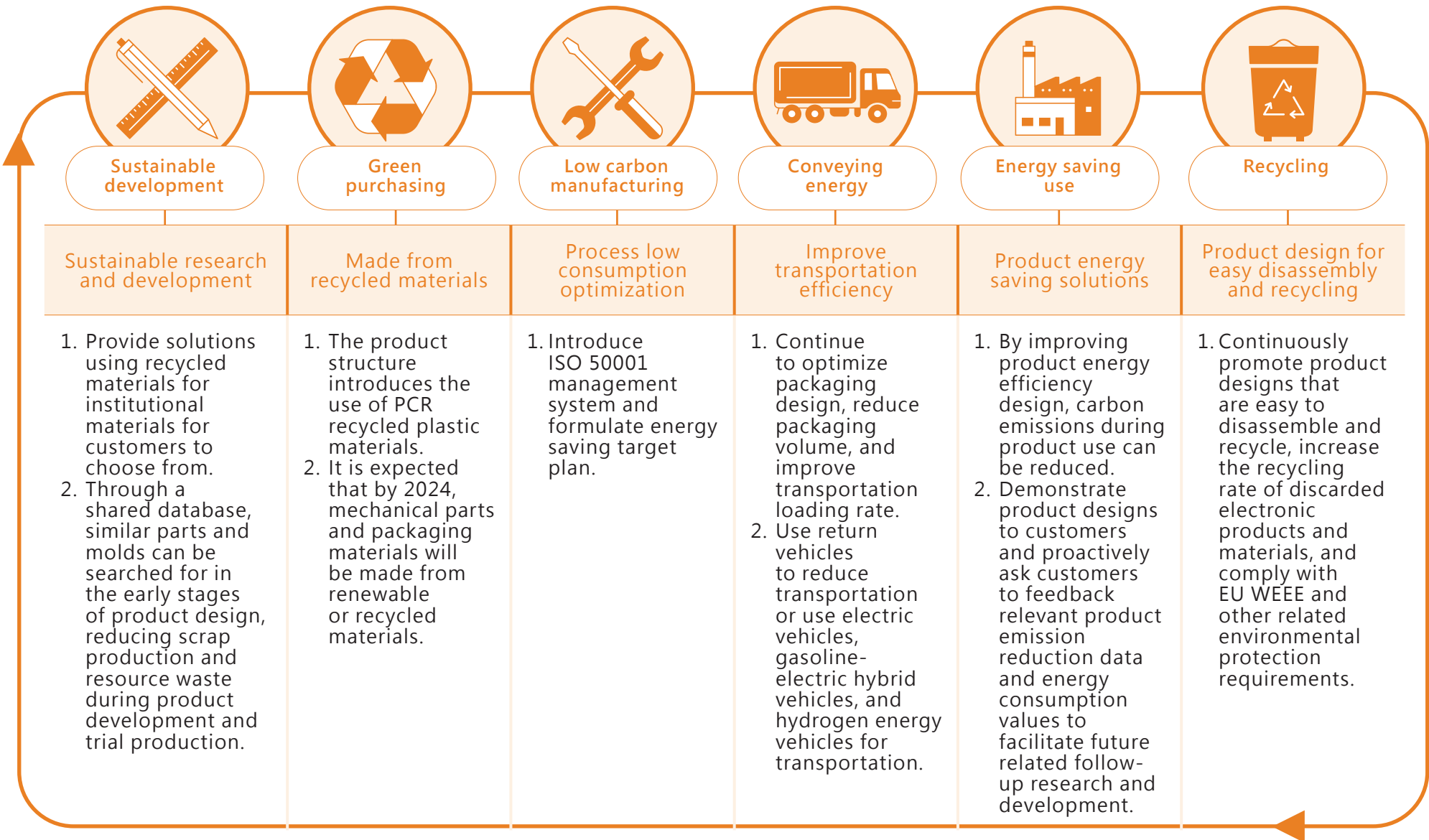
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# 4.2 | Other Target

©At Jebsee Electronics' annual energy-saving meetings, targets are set for water, electricity, and steam consumption per unit of product.

1. Water Saving: 1% reduction target, based on either the 2023 water consumption per unit of product or 95% of the 2022 target, whichever is stricter, measured in tons per unit of product.
2. Electricity Saving: 1% reduction target, based on either the 2023 electricity consumption per unit of product or 99% of the 2022 target, whichever is stricter, measured in kWh per unit of product.

Jebsee Electronics' sustainable product design philosophy is applied throughout the product life



# 4.3 | Other indicators

Emissions of the seven major greenhouse gases in Category 1 and their respective proportions

	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	HFCs	PFCs	SF <sub>6</sub>	NF <sub>3</sub>	GHG in Category 1
Emission Equivalent (tCO <sub>2</sub> e )	5.2304	0.0363	0.1092	132.7706	0.0000	0.0000	0.0000	138.1465
GHG proportion(%)	3.786	0.0263	0.0790	96.1086	0.0000	0.0000	0.0000	100.00

The categories of greenhouse gases across the entire plant and the emission types for Category 1

	Category 1				Category 2	Category 3	Category 4	Total
	Direct emissions from stationary combustion	Direct process emissions	Direct emissions from mobile combustion	Direct fugitive emissions	Indirect emissions from energy	Indirect emissions from other sources energy	Indirect emissions from other sources energy	
Emission Equivalent (tCO <sub>2</sub> e )	138.1465				3,150.7740	1.2451	581.4450	3,871.611
	0.7792	0.0000	4.5967	132.7706				
GHG proportion(%)	3.5682				81.3815	0.0322	15.0182	100.000
	0.0201	0.0000	0.1187	3.4293				

# 05 Low-Carbon Transition



- 5.1 Supplier Survey
- 5.2 Jebsee Supplier RBA Audit

## 5.1 | Supplier Survey

Jebsee Electronics places great emphasis on establishing a sustainable supply chain. Through supply chain management, we aim to collaborate with suppliers to fulfill ESG (Environmental, Social, and Governance) corporate social responsibilities. This includes managing aspects such as environmental protection, governance, ethical standards, and safety risk control. Jebsee Electronics carefully selects new suppliers and strives to cultivate long-term partnerships to build a sustainable supply chain that supports stable growth and meets the company's sustainable business goals.

### ● New Supplier Selection

Jebsee Electronics has developed a comprehensive supply chain management system. Before being selected, new suppliers undergo a review and evaluation process to ensure product compliance and a consistent supply, identifying potential operational risks. Through written assessments or on-site evaluations, new suppliers are managed based on tiers. All potential partners must pass assessments of quality, delivery times, pricing, and engineering capabilities, as well as environmental checks such as RoHS compliance and carbon emissions investigations. Suppliers with a solid market reputation and environmental management systems can be directly included as qualified suppliers, while those that do not meet the standards must make improvements before being officially listed.

### ● Supplier ESG Compliance and Commitment

Jebsee Electronics conducts regular annual social responsibility audits of qualified suppliers to identify any actual or potential non-compliance with the code of conduct. Improvement plans are then created to ensure continuous implementation and monitoring. In promoting and upholding corporate social responsibility, we hope to work closely with our suppliers to achieve mutual success.

### ● Jebsee Electronics ESG Policy :

1. Comply with all laws, regulations, and contracts related to business operations, in line with the Occupational Safety and Health Management System, Quality Management System, and Environmental Management System.
2. Respect the rights of all individuals, prohibiting discriminatory behavior, forced labor, and unlawful punitive measures.
3. Follow customer and industry ethical and business conduct standards, selecting suppliers based on their ability to meet social responsibility standards.
4. Continuously improve management practices, adhere to social responsibility standards, and undergo external reviews and employee oversight.
5. Ensure that all employees can access information related to the social responsibility system at any time and are free to provide suggestions without facing any negative consequences.

## 5.2 | Jebsee Supplier RBA Audit

As a member of the Responsible Business Alliance (RBA), Jebsee Electronics takes corporate social responsibility seriously. The company has established a transparent supply chain control system, and in 2023, required 79 key suppliers to sign the "Supplier Code of Conduct Commitment," achieving a 100% signing rate. To fulfill its supply chain management responsibilities and meet customer requirements, Jebsee Electronics conducted supplier audits in accordance with RBA guidelines, planning to audit 31 suppliers in 2023, with a 100% compliance rate.

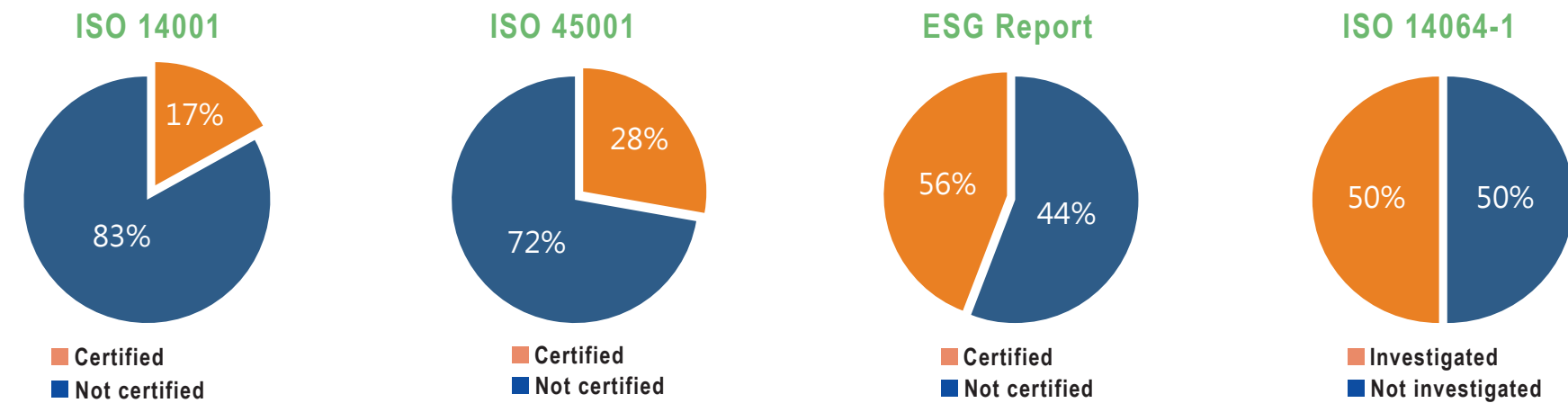
Commitment signing			
	2022	2023	2024
Target (%)	100	100	100
Achieve(%)	100	100	-

Audit pass			
	2022	2023	2024
Target (%)	100	100	100
Achieve(%)	100	100	-

### Supplier Sustainability Management Survey

Jebsee Electronics conducts a "Supplier Sustainability Management Survey" to assess suppliers' efforts in sustainability and carbon reduction, using the survey as a basis for future supplier emission reduction plans. In 2023, the survey was distributed to suppliers accounting for over 60% of procurement value, totaling 18 suppliers. The results showed that 13 suppliers had obtained ISO 14001 and ISO 45001 certifications, 44% had published sustainability reports, and 50% had conducted carbon footprint assessments. These findings indicate that there is still room for improvement in ESG disclosure within the supply chain. Moving forward, Jebsee Electronics will collaborate with its supply chain partners to jointly promote sustainability initiatives.





### Responsible Mineral Management and Due Diligence

Jebsee Electronics follows the Responsible Minerals Initiative (RMI) program of the Responsible Business Alliance (RBA) and maintains all records in the system database. The company has established long-term relationships with most suppliers to ensure leverage and compliance.

Although Jebsee Electronics does not directly procure raw metals, it has issued a Responsible Minerals Policy Statement and supports the Responsible Minerals Initiative (RMI), jointly launched by the RBA and the Global e-Sustainability Initiative (GeSI). The company uses the Responsible Minerals Reporting Template (RMRT) developed by RMI. Starting in 2023, Jebsee Electronics conducts an annual mineral survey of its suppliers and assesses supplier risk levels based on the results to avoid using illegal minerals from conflict regions.

Through a Reasonable Country of Origin Inquiry (RCOI), diligence, and integrity, Jebsee Electronics has created its Conflict Minerals Report (CMRT) and Extended Minerals Reporting Template (EMRT). The goal is to achieve a 98% conflict-free status by the end of 2024. Jebsee Electronics aims to work closely with its suppliers to uphold corporate responsibility, eradicate inhumane practices, and build a sustainably managed business.

## 06 TCFD Disclosure Indicators



### 6.1 TCFD recommendations

TCFD recommendations	Location	Page number
Governance		
1. Describe how to monitor climate-related risks and opportunities	1-1	5
2. Describe management’ s role in assessing and managing climate-related risks and opportunities	1-1	5
Strategy		
1. Describe the climate-related risks and opportunities identified by the organization in the short, medium and long term	2-2	11
2. Describe climate-related risks and opportunities that could have a significant impact on the organization's business, strategy and financial planning	2-2	11
3. Describe the organization’ s strategic resilience considering different climate change scenarios, including scenarios of 2° C or lower	3-3	16
Risk Management		
1. Describe the organization’ s process for identifying and assessing climate-related risks	3-3 3-1	16 15
2. Describe the organization’ s process for managing climate-related risks	02	10
3. Describe how the organization's processes for identifying, assessing and managing climate-related risks are integrated into overall risk management	02	10
Metrics & Targets		
1. Expose the metrics the organization uses to assess climate-related risks and opportunities, consistent with its strategy and risk management processes	04	23
2. Disclosure of Scope 1, 2 and 3 (if applicable) emissions and associated risks	04	23
3. Describe the organization's goals for managing climate-related risks and opportunities and its performance against related goals.	04	23

# 07 About TCFD report

- The reporting period covered by this report is from January to December 2023.
- Report frequency: When there are significant changes.
- This report is primarily based on the recommendations of the Task Force on Climate-related Financial Disclosures (TCFD), issued in June 2023.
- This report serves as an internal reference document for Jebsee Electronics, responding to clients, investment institutions, and for use by the company.
- The report is archived in the Occupational Safety and Health Office.

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