

4.6 Responsible procurement

4.6.1 Green Supply Chain

Climate change and global warming are contemporary global issues that have an impact on people, the ecology and the global environment. Therefore, we manage and respond to these issues, promote and implement the “implementation of planning to save energy and resources, reduce greenhouse gas emissions” and “waste reduction management” to fulfill our corporate social responsibility, enhance our overall corporate image, reduce our operating costs, and ensure sustainable business development.

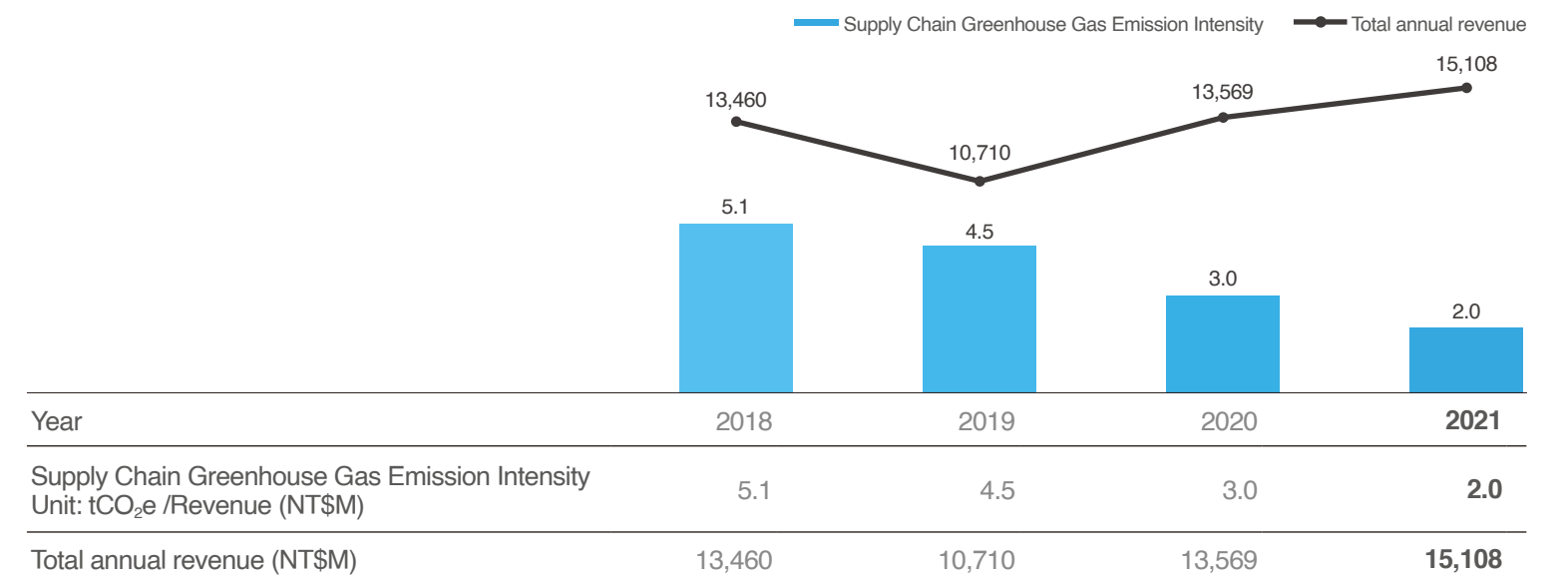
We have a plan to implement environmentally friendly and sustainable management principles through our management system. We have not only internalized the Responsible Business Alliance (RBA) Code of Conduct, but also established a Responsible Business Alliance (RBA) Committee, which is directly under the Operations Management Committee. The RBA Committee meets regularly to evaluate and implement the Code of Conduct.

Through the operations of the Environmental Safety Department and the RBA Committee, we strive to decrease our reliance on natural resources and reduce environmental pollution. Quantitative statistical disclosure of environmental information allows us to record the use of purchased electricity, renewable energy, water, and raw materials. This long-term record and disclosure of information allows us to review, year by year, whether we are on track to achieve our stated goals for being environmentally friendly. Moreover, we are taking action to reduce natural resource consumption in response to climate change, including the integration of industry improvements in product energy efficiency, green supply chain management, raw material and waste management, product packaging reduction and recycling, cloud-based offices, reduction of CO₂ concentration at our operations, and energy efficiency.

Value Chain Greenhouse Gas Emissions

As the issue of global climate change continues to escalate, GUC is actively paying attention to the greenhouse gas emissions and related management in supply chain, and has adopted with taking action. When conducting an inventory of greenhouse gas emissions, GUC pays attention to the emissions of products, and have implemented verification measures to cooperate with the supply chain to carry out actions. Products use laser marking instead of ink printing to propose specific measures for reduction and improvement. In the future, GUC will continue to play our role Influencing suppliers to reduce their greenhouse gas emissions and will help create a green and sustainable supply chain.

Value chain greenhouse gas emission intensity





Biodiversity Commitment and No Deforestation

Global Unichip Corporation has set the “Biodiversity Commitment” as a performance indicator and target for the company and its Critical tier 1 suppliers as part of its responsible action for ecological resources conservation, with the aim of enhancing the positive impact of biodiversity in the overall value chain and encouraging suppliers to assess the biodiversity risk of their operating sites to reduce negative environmental impacts and to seek to reduce the potential for biodiversity damage and no deforestation best practices.

Through the Biodiversity Commitment Survey, the following commitments to protect ecological resources are required of the first-order critical tier 1 suppliers :

- Commitment to not operate on or near important biodiversity sites in the future.
- In the event of deforestation in existing operations or in the products and services provided, undertake to compensate for the restoration of forest land and to terminate any form of future development.
- Undertake to operate and provide products and services in compliance with zero deforestation standards and to monitor compliance with regulations through the operation of internal environmental management systems.
- If the area around the existing operation is identified as a biodiversity area, undertake to propose mitigation measures (including avoidance, mitigation, restoration, compensation).
- Conducting regular ecological surveys and impact assessments around operational sites.
- Work with external partners and meet this commitment.

4.6.2 Supplier Sustainability Management

Supplier Sustainability Management Principles

We strive to promote environmentally sustainable development and lead by example in protecting the environment by complying with third-party verification and regulations, and we also extend this principle to our suppliers so that we can grow steadily with environmental sustainability in mind. We require our suppliers to act in accordance with the supplier compliance guidelines established by Global Unichip Corporation to improve labor human rights, safety and

health, environmental protection, business ethics and management system performance, and to continuously reduce the risk of business interruption.

Objective	Short-term	<ul style="list-style-type: none"> • Work with Tier 1 Critical Supply Chain to reduce greenhouse gas emissions • 100% signatory code of conduct for Tier 1 Critical Suppliers by 2022 (based on RBA specifications)
	Medium to long term	To respond to domestic and international green and carbon reduction initiatives, to exert influence on suppliers, and to take stock of suppliers' greenhouse gas emissions and management measures
How to Manage	Responsibility	<ul style="list-style-type: none"> • Authority: Operations Department • External Responsibility: Cooperating suppliers
	Resources	The Vice President of Operations is the commander. In addition to the direct staff of the responsible unit, the Human Resources Department and the Employee Facility Services Department will also send staff to assist in the auditing needs.
	Communication Pipeline	Monthly meetings with suppliers to exchange ideas
	Evaluation Mechanism	<ul style="list-style-type: none"> • Vendor ESG risk assessment results • Field audit ratio • Vendor response ratio
Specific achievements	<ul style="list-style-type: none"> • Supplier Social Responsibility Assessment (CSR) 2022 : Audit all Critical tier 1 suppliers to achieve Level B or higher, and conduct counseling and communication • Conflict Minerals: Ensure that suppliers provide products from reliable sources Local purchases will account for 94% of the total purchases in 2022 and amount to NT\$17.9 billion • Global Unichip Corporation will set targets and include them in the annual supplier CSR assessment, with continuous communication and encouragement to guide suppliers to continuously Improvements 	

As a global leader in IC design services, we have introduced a series of green and energy conservation activities to our direct suppliers to avoid environmental pollution caused by raw materials or components. As of 2022, of the 54 suppliers of Global Unichip Corporation, more than 90% have obtained ISO 14001 environmental management system certification or QC 080000 hazardous material process management system, and 100% of 6 critical tier 1 suppliers have obtained ISO 14001 environmental standard certification. In addition to ISO 9001, Global Unichip Corporation will also incorporate ISO 14001 certification into its supplier selection criteria by 2022.

Global Unichip Corporation's main product is wafers, and its main supplier is Taiwan Semiconductor Manufacturing Corporation (TSMC). TSMC is also our largest shareholder and has a long-standing relationship with us, so we have a stable supply of raw materials. In addition, Global Unichip Corporation also cooperates with other suppliers. The wafers and packaging materials from our suppliers must comply with EU RoHS Directive 2011/65/EU and 2015/863 (which bans 4 additional substances; DEHP, BBP, DBP, DIBP) and the new EU chemical policy (Registration, Evaluation, Authorization, and Restriction of Chemical substances [REACH]). Global Unichip Corporation extends the green policy and concept to the whole supply chain. All new suppliers must meet Global Unichip Corporation's RBA requirements and sign a declaration of compliance to become a qualified supplier after passing the audit.

100% of Global Unichip Corporation's critical tier 1 suppliers have signed a declaration of non-use of hazardous substances, and 100% of the new suppliers have signed back the declaration. We have had no significant actual or potential negative environmental impacts from our supply chain during the reporting period.

Global Unichip Corporation also requires suppliers to use recycled materials and reduce the use of consumables, both in the factory and in transit. For example, reusing plastic trays for IC products, or using reusable packaging materials such as anti-static "black boxes" to transport products during production to reduce the use of cardboard boxes. Through close cooperation upstream and downstream of the supply chain, Global Unichip Corporation has taken various environmentally friendly actions and adopted green materials in all aspects of product design, manufacturing and packaging, and has fully integrated environmental awareness into its production and quality management systems.

Foundry

▼ List of IC industry chain suppliers



Wafer Sort



Foundry



Wafer Sort



Package



Final Test



Reliability



RBA SAQ risk assessment

GUC is a member of the Responsible Business Alliance (RBA). The risk of GUC is assessed through the RBA-Online platform to prevent potential risks from occurring. In 2022, the RBA SAQ indicates that the risk is low. In addition to the internal self-inspection mechanism, GUC regularly requires critical tier 1 suppliers to conduct Self-Assessment Questionnaire (SAQ) to evaluate their performance on sustainability. GUC continued to guide suppliers to effectively implement the sustainable supply chain management.

Supply Chain Emerging Risk Identification

In response to the supply chain risk assessment and management, Global Unichip Corporation has initiated a diversified alternative chain layout and a stockpile mechanism to continuously diversify risks and avoid material outages and shortages due to political and pandemic factors, which help to continuously enhance Global Unichip Corporation's control over the supply chain.

Emerging Risks

Geopolitical Risk

Risk Description

Geopolitical risks, such as the Russo-Ukrainian War and political tensions in the Taiwan Strait, could have a significant impact on the supply chain, such as material outages and supply disruptions, which could in turn have a negative impact on the Company's operating costs.

Potential Impact

Improper supply chain risk management may increase the risk of material shortages and disruptions.

Corresponding strategy" from "Response Method

1. To reduce dependence on a single supplier, Global Unichip Corporation has developed a diverse alternative chain and seeks to partner with multiple sources of supply. Each year, new suppliers are rigorously screened and certified, and the list of qualified suppliers continues to grow.
2. We have established a raw material tracking mechanism to keep track of the delivery progress of raw materials in the supply chain and adjust the capacity allocation in a timely manner.
3. Activated the stocking mechanism to ensure stable supply of key raw materials.

Risk assessment and management of key raw materials

In order to meet the challenges of supply chain risk assessment and management, GUC has implemented multiple alternative supply chain arrangement, and launched a material preparation mechanism to continuously disperse risks, so as to avoid the impact of political, epidemic and other factors on material shortages and disruptions in the supply chain. Meanwhile, GUC continues to strengthen supply chain control to ensure the supply chain stability.

Emerging Risks

Risk of material shortage and outage in the supply chain

Risk Description

Factors such as political turmoil and epidemics may have a huge impact on the supply chain, causing material shortages and interruptions, which in turn have a major impact on the company's operations.

Potential Impact

The risk of material shortages and disruptions can be increased without proper supply chain risk management

Corresponding strategy

1. Adopt alternative chain arrangement to have multi-source supply solutions. Conduct strictly screening for new suppliers and continuously increase the list of qualified suppliers to diversify material sources
2. Establish a raw material supply chain tracking mechanism to accurately grasp the delivery progress of raw materials, and real-time adjust production capacity allocation in a timely manner.
3. Implement second source to disperse supply chain interruption risks

Supply Chain Sustainability Management

Global Unichip Corporation conducts risk assessments of suppliers on a regular basis each year to confirm the risk level of our partner suppliers. Suppliers are required to pass engineering assessments and system audits, especially for Critical tier 1 suppliers. In addition to regular QBR reviews on quality, delivery, service, technical support, information interaction, etc., ESG sustainability issues are also added to assess each supplier's risk level. If a supplier's risk assessment level is D, the supplier is classified as a "high-risk supplier" and is required to have countermeasures and follow-up control and review.

The annual audits of key critical tier 1 suppliers are conducted in accordance with the regulations, and the survey results have all reached the level of B (Good) or above.

▼ Supplier audits - Regular evaluation operations

Category	Major audit deficiencies	Key Improvement Results
Supplier audits	1. To be cleaned FOSB, to be discarded package, and to be used package are grouped together with no labeling / no management.	1. The supplier has marked the classification and labeling clearly to avoid cross-contamination and risk of grabbing the wrong item.
	2. EOL is defined as notifying the customer 6 months in advance; this does not conform with GUC definition for J-STD 048 compliance (notification 12 months in advance).	2. The supplier has made corrections according to the GUC specification.
	3. Some suppliers are not using green energy or renewable energy.	3. The supplier has included this issue in its 2023 plan, and reconfirmed the improvement results when auditing in 2023.
	4. The whole foot operation must be performed by "dedicated whole foot staff", but there is no focus on whole foot personnel certification, so we can not ensure that the quality of the whole foot is in line with the requirements.	4. The supplier has completed the development of the whole foot personnel certification qualification.

▼ 2022 Key Performance and Strategy in Supply Chain Management

Major Issues	Strategy Actions	KPI	2022 goals	Status	2022 Performance	2023 goals	Medium and long term goals
Sustainable Supply Chain	Ensure that suppliers follow the promise of GUC e-procurement and supply chain development, enhance the resilience of the supply chain, pay attention to labor rights, safety and health, environmental protection, business ethics and management system performance, and continuously reduce the risk of business interruption.	Responsible Minerals Strategy Sourcing, ensure suppliers are using Conflict-Free material through CMRT & CRT, Conflict Minerals Compliant Suppliers (%)	100%	Achieved	100%	100%	2024 : 100% 2025 : 100%
		Signing of RBA Code of Conduct in tier 1 suppliers (%)	100%	Achieved	100%	100%	2024 : 100% 2025 : 100%
		Critical tier 1 suppliers Conduct Risk Assessment (%)	100%	Achieved	100%	100%	2024 : 100% 2025 : 100%
	Improve the core capabilities and sustainable influence of local suppliers, actively establish cooperation with critical local suppliers, protect the rights and interests of local laborers, and strive to reduce carbon emissions generated by material transportation.	Local Supply Chain Optimization, promoted economic development via local procurement, percentage of Localization (%)	80%	Achieved	94%	80%	2024 : 80% 2025 : 80%



▼ **Supplier Audit and Evaluation System**

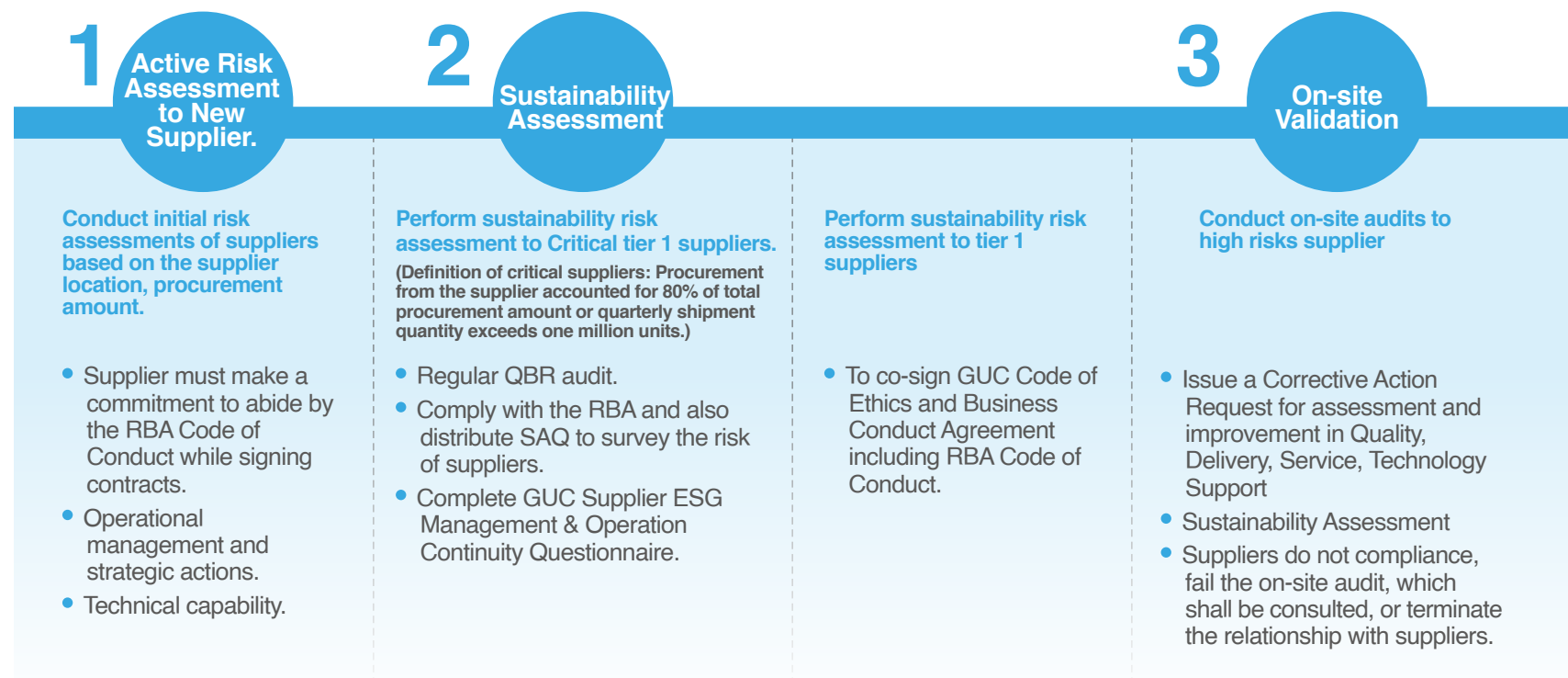
Grade	Score	Levels	Handling
A	≥ 90	Excellent	Can be adjusted to audit once every two years
B	80-89	Good	Annual audits and coaching
C	70-79	Normal	Annual auditing and requesting suppliers to improve by the deadline
D	<70	Bad	The quality management department and the relevant departments will discuss whether to continue to use this supplier, and if it is necessary to continue to use it, the supplier will be asked to make improvements immediately. If there is no demand, the qualified supplier qualification will be cancelled.

Supplier Identification

To manage the sustainability risk of suppliers consistently, GUC adopted measures to verify supplier's annual procurement value & demand, suppliers are classified into tier 1 suppliers & Critical tier 1 suppliers and the definition of Critical tier 1 suppliers as follows : (1) Top 80% of total procurement amount. (2) or quarterly shipment quantity exceeds one million units. Meanwhile, GUC has expanded the scope of sustainability risk management to tier 1 suppliers & Critical tier 1 suppliers. As of December 2022, We also performed sustainability risk assessment to 6 Critical tier 1 suppliers, response rate reached 100%

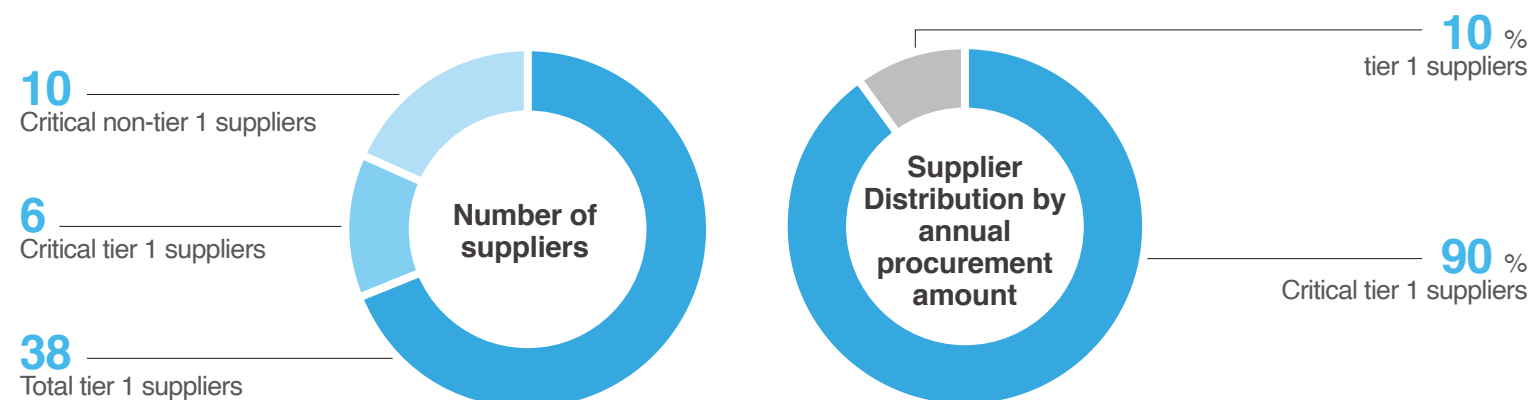
Considering the various risks that might occur during operation, GUC shall follow up on the risk status of these suppliers and perform further risk control, additionally, the critical non-tier 1 suppliers were identified as required, and the definition of critical non-tier 1 suppliers is (note 1).

note 1: Supply to more than two tier 1 suppliers or the supplier who transact through agents.



▼ **2022 Total number of Suppliers and Supplier Distribution by annual procurement amount**

Type of Supplier	Number of suppliers	Supplier Distribution by annual procurement amount	Percentage of suppliers that have already signed RBA Code of Conduct
Total tier 1 suppliers	38	10%	100%
Critical tier 1 suppliers	6	90%	100%
Critical non-tier 1 suppliers	10	-	100%



Supplier Sustainability Risk Assessment to Critical tier 1 suppliers

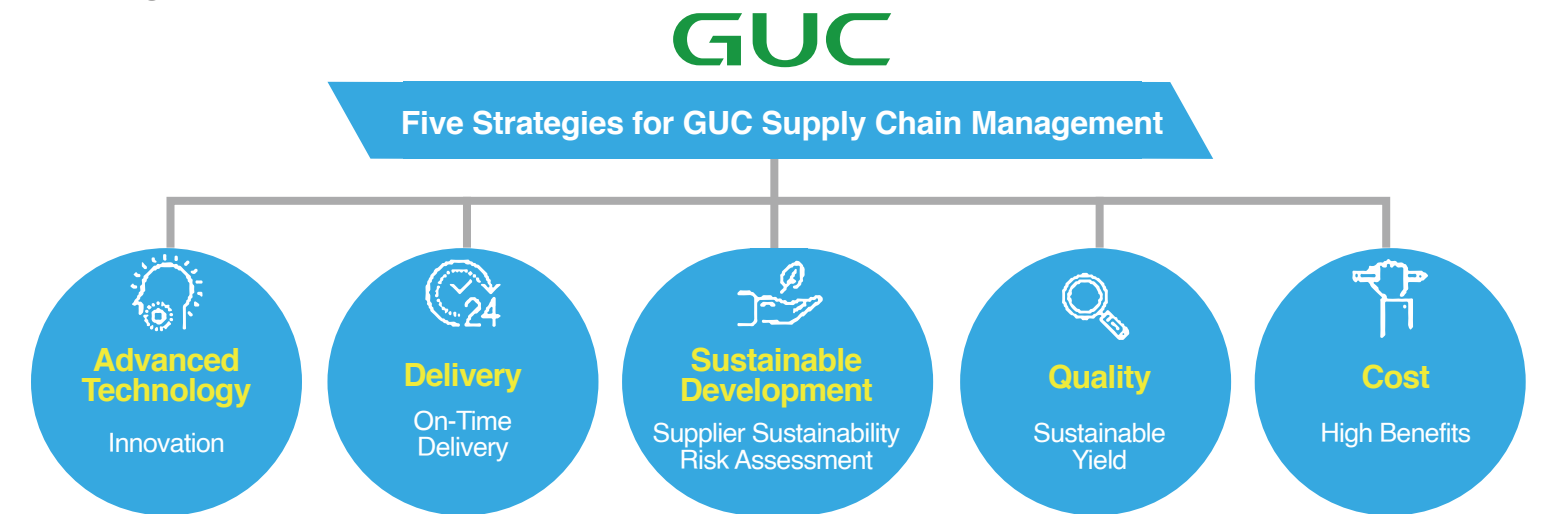
The survey results of 2022 Supplier Sustainability Risk Assessment have all reached the level of B (Good) or above, no high risk as level D in the record, survey results as follows.

▼ Survey and Evaluation of Supply Chain Sustainability Risks - Results of Critical tier 1 suppliers

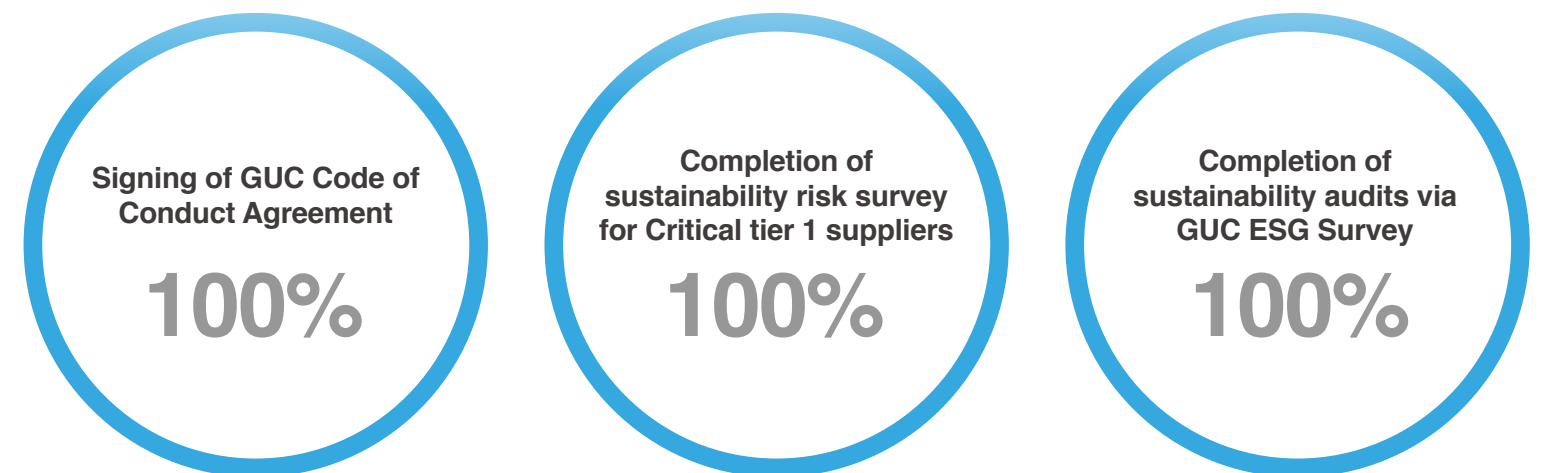
Supplier	RBA Responsible Business Alliance Code of Conduct	ISO 14001 Environmental Management System	ISO 14064-1 Greenhouse Gas Verification Standard	ISO 50001 Energy Management System	IECQ QC 080000 Hazardous Substance Process Management System	ISO 22301 Business Continuity Management System	ISO 45001 Occupational Safety and Health Management System
Foundry A	✓	✓	✓	✓	✓	✓	✓
OSAT A	✓	✓	✓	✓	✓	✓	✓
OSAT B	✓	✓	✓	✓	✓	✓	✓
OSAT C	✓	✓	✗	✗	✓	✗	✓
OSAT D	✓	✓	✓	✓	✓	✓	✓
OSAT E	✓	✓	✓	✓	✓	✓	✓

note : The flag marked in red is the goal of 2023.

▼ Five Strategies for GUC Supply Chain Management



▼ Supplier Sustainability Management Approach:





Global Unichip Corporation invites its Critical tier 1 suppliers partners to work together on the vision of sustainability with a particular focus on the Global Unichip Corporation Supplier Code of Conduct, the Non-Use of Conflict Minerals Pledge, the Supplier ESG Sustainability Management & Risk Assessment Questionnaire, among other important issues. In 2022, we have completed the first phase of the survey and 100% of critical tier 1 suppliers have signed, indicating their full support the RBA requirements, and pledging that they will not use conflict minerals among other commitments and goals.

The Global Unichip Corporation sustainability team has identified the following 12 topics and included them in the "Supplier ESG Sustainability Management & Risk Assessment Questionnaire" with reference to the development trends of sustainability issues, to further enhance the resilience of the supply chain through various management processes such as audits/investigations/improvement measures, to strengthen the cooperation for mutual benefit and to create sustainability.

ESG Audit program with 12 Sustainable Supply Chain Risk Control Themes

12 Sustainable Supply Chain Risk Control Themes	Annual Inspection Survey Project
Sustainability Management	<ul style="list-style-type: none"> Dept./ Org. set up for sustainability management Whether the company publishes a CSR report or sustainability report ? Respond to the carbon disclosure project (CDP)
Operation Sustainability	<ul style="list-style-type: none"> Certification on business Sustainability management system and within the validity period. Any emergency response plan for the identified risk assessment of the business Sustainability Whether there has been no threat to operations event.
Operation Sustainability Risk Management	<ul style="list-style-type: none"> Risk management policy Anti-corruption policy & the internal annual training and self-evaluation system. Policy on information security management Whether there have been no penalty cases for violating relevant laws and regulations in the past 3 years? (e.g. violate Company Act or Securities Exchange Act, etc.) (excluding environmental, health and safety and labor rights and interests events)
Supply Chain Sustainability Management	<ul style="list-style-type: none"> Was the ESG regarded as one of the selection conditions when selecting suppliers ? Supplier code of conduct or related regulations The procedure to identify the risk of supplier's ESG Audit about supplier's ESG management performance Supplier is required to improve on the audit findings Has there been no supplier/supply chain disruptions?

12 Sustainable Supply Chain Risk Control Themes	Annual Inspection Survey Project
Conflict Minerals	<ul style="list-style-type: none"> Conflict Minerals Compliance, CMRT(Conflict Minerals Reporting Template) & CRT(Cobalt Reporting Template) survey.
Environmental management	<ul style="list-style-type: none"> Whether the organization is certified by ISO 14001 or related environmental management system and within the validity period? whether there has been no penalty for violating environmental protection laws and regulations?
Greenhouse Gas (GHG)/ Energy Management	<ul style="list-style-type: none"> Whether the organization is certified by ISO 14001 or related environmental management system and within the validity period? The greenhouse gas Scope 1 emissions (unit: tCO₂e) in the most recent year The Scope 3 emissions (unit: tCO₂e) in the previous year The annual carbon reduction goal and related carbon reduction action. Whether the company has passed the energy management system verification (ISO 50001) and within the validity period ? The manufacturing plant or R&D center related to the product has used green power or renewable energy (including Self-Consumption and purchasing).
Water Management	<ul style="list-style-type: none"> The place of operation located in the Low-Medium (OVERALL WATER RISK) ref1 area Any execution on water recycle Any goals about the reduction of water consumption Any control before the effluent was discharged? (e.g. classification, monitoring, control and disposal).
Hazardous Substance Process Management	<ul style="list-style-type: none"> Any certification on Hazardous Substance Process Management? (IECQ QC 080000) and within the validity period. Any training on Hazardous Substance Process Management. Practice on materials recycle. Waste reduction target for the year Are vendors for the waste disposal with legal license?
Human Rights	<ul style="list-style-type: none"> Procedure about human rights risk assessment/due diligence. Any anti discrimination policy ? (including: gender, race, religion, etc.) Provisions on prohibition of child labor. Policies/regulations to protect young workers. Policies/regulations on prohibition of forced labor Policies/regulations on freedom of association. Assessment on the Salient human rights issue Any assessment on the vulnerable groups (Such as women, minorities, persons with disabilities, indigenous people, etc.) Human rights annual training.



12 Sustainable Supply Chain Risk Control Themes

Annual Inspection Survey Project

Labor

- Whether to pay the minimum basic wage in compliance with local government laws and regulations?
- Any communication or anonymous complaint channel for workers.
- Clearly communicate with employees about labor rights and regulations.
- Has there been no penalty action for labor or human rights violations?

Occupational Health and Safety Management

- Any certification on occupational health and system management? (Such as: ISO 45001).
- Whether there has been no occupational Injury and Illness?
- Has there been no penalty of more than US \$10,000 for labor health and safety violations ?

To enable suppliers to understand and gradually implement corporate sustainability, we have developed the "Global Unichip Corporation Supplier Code of Conduct" and conducted a survey and among all major suppliers, with 100% signing. The Code of Conduct contains the rules and requirements of the Responsible Business Alliance Code of Conduct (RBA Code of Conduct). Suppliers are required to commit to comply with the social responsibility requirements presented within the RBA Code of Conduct.

Supplier social responsibility requirements

Global Unichip Corporation regularly audits the suppliers we work with under the following three codes. If we find any violations of environmental regulations, we will issue a warning and impose a deadline for improvement and will terminate our partnership with repeat offenders or serious cases.

- Global Unichip Corporation Responsible Business Alliance (RBA) Code of Conduct
- Global Unichip Corporation Hazardous Substance Restriction
- Global Unichip Corporation Supplier Certification Program

Global Unichip Corporation ESG Sustainability Education and Training

Sustainable talent is an important part of the company's future core competitiveness. We hope to enhance the ESG mindset of all employees at Global Unichip Corporation through various forms of educational training and encourage

employees to combine the concept of sustainability with technology expertise to create a positive cycle of sustainability and business performance. We also provide a variety of volunteer activities for our employees to participate in sustainability issues on a regular basis, to enhance ESG thinking, and to work with our employees toward sustainable development. Global Unichip Corporation is pleased to invite Dr. Kai-Rui Huang, Professor and Director of the Department of Finance and Cooperative Management at National Taipei University, to give a lecture on supply chain management to colleagues on December 6, 2022. Besides analyzing world trends and practical cases, Professor Huang has also received industry-wide recognition for his work.

Supply Chain Cooperation and Exchange

In December 2022, Global Unichip Corporation held the "Supplier ESG Improvement Program Forum" , inviting critical tier 1 suppliers partners to join the event. By organizing this forum, the company explained the vision and mission of Global Unichip Corporation's annual ESG policy as well as its execution policy, which focuses on green production, the Global Unichip Corporation Supplier Code of Conduct, energy conservation and carbon reduction, and other multi-faceted goals. We also encouraged our suppliers to join hands with Global Unichip Corporation in the commitment of sustainability issues through on-site face-to-face communication and discussion, to create social value and fulfill our commitment to sustainability.

▼ GUC ESG sustainable education training



▼ Supplier ESG Improvement Program Forum

