Appendix 1: GRI, SASB, Assurance Standards Index Table

Statement of lice		The report of Advantech Co., Ltd. was compiled with reference to GRI standards, and the information disclosure period of this report is 2022 (January 1, 2022 to December 31, 2022)
GRI Reference options for GRI Standards 2021		Reference options for GRI Standards 2021
	SASB	Indicators to be disclosed by specific industries required by the Financial Supervisory Commission, R.O.C - by industry: Computer and Peripheral Equipment Industry

A\ SASB Sustainable Disclosure Index - Computer and Peripheral Equipment Industry

Index	Type of Index	Unit	Disclosure Chapter	Page no. position
Total amount of energy consumed, the percentage of purchased electricity, and the utilization rate of renewable energy	Quantification	Gigajoule (GJ) Percentage(%)	4.4 Environmental Management	118
Total Water Intake and Total Water Consumption	Quantification	Thousand cubic meters (m³)	4.4 Environmental Management	123-124
Weight of Hazardous Waste Generated and Percentage Recycled	Quantification	Metric Ton (t) Percentage(%)	4.4 Environmental Management	125-127
Description of types, number of people and ratio of occupational accidents	Quantification	Ratio(%) Quantity	5.5 Occupational Health & Safety	169
Disclosure of product life cycle management: including the weight of end-of-life products and electronic waste and the percentage of recycling (Note)	Quantification	Metric Ton (t) Percentage(%)	4.1 Eco Design and Sustainability Liability of Product	105
Description of the risk management associated with the critical materials used	Qualitative Description	Not applicable	2.3 Sustainable management of the supply chain	68
Aggregate amount of pecuniary damages resulting from legal proceedings relating to anti-competitive conduct regulations	Quantification	Reporting Currency	2.1 Operational Performance and Corporate Governance Structure	47
Output of major products by product category	Quantification	Varies by product category	2.1 Operational Performance and Corporate Governance Structure	41

^{*}Note: Including the disposal of scraps or other recycling, relevant instructions should be provided.

★ A GRI 2: General Disclosure 2021

GRI Standards No.	Disclosure Item	Disclosure Chapter	Page no. position
2-1	Organization Details	2.1.1. Company Profile	39
2-3	Duration, frequency and contact person of the report	About Advantech 2022 Sustainability Report	2
2-4	Information Reorganization	5.5 Occupational health & safety	166-172
2-5	External Guarantee and Assurance	Appendix: Statement of Verification by a Third Party Appendix: Report of Assurance by a Third Party	198-199 200-201
2-6	Activities, value chains and other business relationships	2.1.1. Company Profile	41-42
2-7	Employees	5.1.1 Talent attraction and retention 5.1.2 Development Program 5.2.1 Employee Relations 5.2.2 Living wages for employees 5.3. Employer-employee relationship and diverse and inclusive workplaces 5.4 Protection of human rights 5.5 Occupational health & safety 5.6 Appendix: Employee Structure	131-176
2-10	Nomination and Selection of the Highest Governance Unit	2.1.2. Corporate Governance	43
2-11	Chairman of the Highest Governance Unit	2.1.2. Corporate Governance	43
2-17	Crowd Intelligence of the Highest Governance Unit	2.1.2. Corporate Governance	44
2-18	Performance Evaluation of the Highest Governance Unit	2.1.2. Corporate Governance	44
2-20	Process of salary determination	2.1.2. Corporate Governance	45-46
2-27	Regulatory compliance	2.1.2. Corporate Governance	47
2-28	Membership in Guilds and Associations	APPENDIX: List of Public Associations Participated and Description of Investing in Resources	207-211
2-29	Stakeholder Engagement Policy	1.3 Stakeholder Engagement	11-13
2-30	Collective Bargaining Agreement	5.4 Protection of human rights	158

A Environment aspect

GRI Standards No.	Disclosure Item	Disclosure Chapter	Page no. position
302-1*	Energy consumption within the organization	4.3.1 Greenhouse Gas Inventory and Management	118
303-3*	Water Withdrawal by Source	4.4.2 Energy Resource Use and Waste Management	124
305-1*	Direct (Scope 1) Greenhouse Gas Emissions	4.3.1 Greenhouse Gas Inventory and Management	115
305-2*	Energy Indirect (Scope 2) Greenhouse Gas Emissions	4.3.1 Greenhouse Gas Inventory and Management	116
305-3*	Other Indirect (Scope 3) Greenhouse Gas Emissions	4.3.1 Greenhouse Gas Inventory and Management	117
305-4*	Intensity of greenhouse gas emissions	4.3.1 Greenhouse Gas Inventory and Management	107
305-7*	Nitrogen oxides (NOx), sulfur oxides (SOx), and other significant gaseous emissions	4.3.1 Greenhouse Gas Inventory and Management	127-128
306-3*	Source of waste	4.4.2 Energy Resource Use and Waste Management	125-127
306-5*	Direct disposal of waste	4.4.2 Energy Resource Use and Waste Management	125-127
307-1*	Violation of environmental regulations	4.4.1 Environmental Responsibility	121
308-1	New suppliers that were screened using environmental criteria	2.3.1 Supplier Management	64-66

^{*}Note: Those marked with an asterisk are voluntary disclosures..

∧ Social aspect

GRI Standards No.	Disclosure Item	Disclosure Chapter	Page no. position
401-1	New employee hires and employee turnover	5.1.1 Talent attraction and retention	New Employee 132- 133 Resigned employees 136- 137
401-3*	Parental leave	5.2.1 Employee Relations	144
403-1*	Occupational health & safety management system	5.5 Occupational health & safety	166
403-2*	Hazard identification, risk assessment, and accident investigation	5.5 Occupational health & safety	167-169
403-3*	Occupational Health Services	5.5 Occupational health & safety	170-172

GRI Standards No.	Disclosure Item	Disclosure Chapter	Page no. position
403-4*	Worker participation, consultation and communication regarding occupational safety and health	5.5 Occupational health & safety	166, 172
403-5*	Worker training on occupational health and safety	5.5 Occupational health & safety	166, 170
403-6*	Promotion of worker health	5.5 Occupational health & safety	171-172
403-7*	Prevention and mitigation of occupational safety and health impacts directly related to business relationships	5.5 Occupational health & safety	166-170
403-8*	Workers covered by the occupational safety and health management system	5.5 Occupational health & safety	166
403-9*	Work-related injuries	5.5 Occupational health & safety	168-170
403-10*	Work-related ill health	5.5 Occupational health & safety	168-170
404-1	Average hours of training per employee per year	5.1.2 Development Program	139-141
404-3	Percentage of employees receiving regular performance and career development reviews	5.1.1 Talent attraction and retention 5.3. Employer-employee relationship and diverse and inclusive workplaces	133-135 154-155
405-2	Ratio of salary increase on base salary for women to men	5.1.1 Talent attraction and retention	135
406-1	Incidents of discrimination and corrective actions taken	5.4 Protection of human rights	161, 164-165
407-1	Operations and suppliers in which the right to freedom of association and collective bargaining may be at risk	5.4 Protection of human rights	158
408-1	Child labor	5.4 Protection of human rights	165
409-1	Operations and suppliers at significant risk for incidents of forced or compulsory labor	5.4 Protection of human rights	165
414-1	New suppliers that were screened using social criteria	2.3.1 Supplier Management	64-66

^{*}Note: Those marked with an asterisk are voluntary disclosures..

A Economic Aspect

GRI Standards No.	Disclosure Item	Disclosure Chapter	Page no. position
201-2*	Financial impacts and other risks and opportunities due to climate change	4.2.2 Identification of Climate-Related Risks and Opportunities, and Financial Implications	110-113
204-1	Proportion of spending on local suppliers	2.3.1 Supplier Management	61

▲ ★ GRI 3: Disclosure of material issues

GRI Standards No.	Disclosure Item	Disclosure Chapter	Page no. position			
	Material issues					
Information security management						
3-3	Management of material issues	1.3.2 Management policy for material issues	23			
	Eco Design and Sustainability Liabilit	y of Product				
3-3	Management of material issues	1.3.2 Management policy for material issues	24			
	Application advocacy and educati	ion of IoT				
3-3	Management of material issues	1.3.2 Management policy for material issues	25			
	Sustainable intelligent soluti	ions				
3-3	Management of material issues	1.3.2 Management policy for material issues	27			
	Co-creation of customers and partners					
3-3 Management of material issues		1.3.2 Management policy for material issues	28			
	Sustainable management of the supply chain					
3-3	Management of material issues	1.3.2 Management policy for material issues	30			
308-1	New suppliers that were screened using environmental criteria	2.3.1 Supplier Management	64-66			
204-1	Proportion of spending on local suppliers	2.3.1 Supplier Management	61			
	Risk Foresight and Crisis Manag	gement				
3-3	Management of material issues	1.3.2 Management policy for material issues	31			
	Employer-employee relationship and diverse an	nd inclusive workplaces				
3-3	Management of material issues	1.3.2 Management policy for material issues	32			
404-3	Percentage of employees receiving regular performance and career development reviews	5.3. Employer-employee relationship and diverse and inclusive workplaces	154-155			

Message from	Sustainability	Company Management	Innovation and Service	Green Operations	Employees Relationship	Altruism and Social	Appendix
Management	Vision and Goals	and Governance			and Cultivation of	Benefit	
					Industrial Talents		

GRI Standards No.	Disclosure Item	Disclosure Chapter	Page no. position			
	Innovative mechanism					
3-3	3-3 Management of material issues 1.3.2 Management policy for material issue					
	Human rights					
3-3	Management of material issues	1.3.2 Management policy for material issues	34			
406-1	Incidents of discrimination and corrective actions taken	5.4 Protection of human rights	161, 164-165			
407-1	Operations and suppliers in which the right to freedom of association and collective bargaining may be at risk	5.4 Protection of human rights	158			
408-1	Child labor	5.4 Protection of human rights	165			
409-1	Operations and suppliers at significant risk for incidents of forced or compulsory labor	5.4 Protection of human rights	165			
	Industry Talent Cultivation and Dev	elopment				
3-3	Management of material issues	1.3.2 Management policy for material issues	35-37			
401-1	New employee hires and employee turnover	5.1.1 Talent attraction and retention	New Employee 132- 133 Resigned employees 136- 137			
404-1	Average hours of training per employee per year	5.1.2 Development Program	139-141			
404-3	Percentage of employees receiving regular performance and career development reviews 5.1.1 Talent attraction and retention 5.3. Employer-employee relationship diverse and inclusive workplaces		133-135 154-155			
405-2	Ratio of salary increase on base salary for women to men	5.1.1 Talent attraction and retention	135			

★ Assurance Index

Assurance Object	Disclosure Chapter	Page no. position
Average training hours for employees	5.1.2 Development Program	139-141
Types, number of people and ratio of occupational accidents	5.5 Occupational health & safety	169
Aggregate amount of pecuniary damages resulting from legal proceedings relating to anti- competitive conduct regulations	2.1.2. Corporate Governance	47
Proportion of Existing Suppliers Audited	2.3.1 Supplier Management	64
Ratio of significant suppliers that have signed the "Consent Form for Code of Conduct"	2.3.1 Supplier Management	64
The amount of fines imposed for violating environmental laws and regulations	4.4.1 Environmental Responsibility	121
Disposal volume of total wastes outsourced (metric tons)	4.4.2 Energy Resource Use and Waste Management	125-127

Appendix 2: Statement of Verification by a Third Party



ASSURANCE STATEMENT

SGS TAIWAN LTD.'S REPORT ON SUSTAINABILITY ACTIVITIES IN THE ADVANTECH CO., LTD.'s SUSTAINABILITY REPORT FOR 2022

NATURE AND SCOPE OF THE ASSURANCE/VERIFICATION

SGS Taiwan Ltd. (hereinafter referred to as SGS) was commissioned by ADVANTECH Co., Ltd. (hereinafter referred to as ADVANTECH) to conduct an independent assurance of the Sustainability Report for 2022. The scope of the assurance, based on the SGS Sustainability Report Assurance methodology, included the sampled text, and data in accompanying tables, contained in the report presented during verification in the period of 14 March 2023 to 14 April 2023. SGS reserves the right to update the assurance statement from time to time depending on the level of report content discrepancy of the published version from the agreed standards requirements

INTENDED USERS OF THIS ASSURANCE STATEMENT

This Assurance Statement is provided with the intention of informing all ADVANTECH's Stakeholders.

RESPONSIBILITIES

The information in the ADVANTECH's Sustainability Report of 2022 and its presentation are the responsibility of the directors or governing body (as applicable) and management of ADVANTECH. SGS has not been involved in the preparation of any of the material included in the Sustainability Report.

Our responsibility is to express an opinion on the report content within the scope of verification with the intention to inform all ADVANTECH's stakeholders

ASSURANCE STANDARDS. TYPE AND LEVEL OF ASSURANCE

The SGS ESG & Sustainability Report Assurance protocols used to conduct assurance are based upon internationally recognized assurance guidance and standards including the principles of reporting process contained within the Global Reporting Initiative Sustainability Reporting Standards (GRI Standards) GRI 1: Foundation 2021 for report quality, GRI 2 General Disclosure 2021 for organisation's reporting practices and other organizational detail, GRI 3 2021 for organization's process of determining material topics, its list of material topics and how to manages each topic, and the guidance on levels of assurance contained within the AA1000 series of

The assurance of this report has been conducted according to the following Assurance Standards:

Assurance Standard Options	Level of Assurance		
А	SGS ESG & SRA Assurance Protocols (based on GRI Principles and guidance in AA1000)	N/A	
В	AA1000ASv3 Type 2 (AA1000AP Evaluation plus evaluation of Specified Performance Information)	High	
С	Taiwan Stock Exchange Corporation (the "TWSE") Sustainability Indicators for Hardware Industries	N/A	

Assurance has been conducted at a high level of scrutiny.

SCOPE OF ASSURANCE AND REPORTING CRITERIA

The scope of the assurance included evaluation of quality, accuracy and reliability of specified performance information as detailed below and evaluation of adherence to the following reporting criteria:

Reporting Criteria Options

- 1 GRI Universal Standard (2021) (Reference)
- 2 AA1000 Accountability Principles (2018)
- 3 Taiwan Stock Exchange Corporation (the "TWSE") Sustainability Indicators for Hardware Industries
 - · evaluation of content veracity of the sustainability performance information based on the materiality determination at a high level of scrutiny for ADVANTECH and moderate level of scrutiny for subsidiaries. and applicable aspect boundaries outside of the organization covered by this report;
 - AA1000 Assurance Standard v3 Type 2 evaluation of the report content and supporting management systems against the AA1000 Accountability Principles (2018); and
 - · evaluation of the report against the requirements of Global Reporting Initiative Universal Standards (2021) listed in the GRI content index where the organization has referenced for the preparation of the reported information.
 - · evaluate of the report against the Taiwan Stock Exchange Corporation (the "TWSE") Sustainability Indicators for Hardware Industries and conducted alongside an evaluation of accuracy assurance at moderate level of scrutiny

ASSURANCE METHODOLOGY

The assurance comprised a combination of pre-assurance research, interviews with relevant employees, superintendents, Sustainability Development Committee members and the senior management in Taiwan; documentation and record review and validation with external hodies and/or stakeholders where relevant

LIMITATIONS AND MITIGATION

Financial data drawn directly from independently audited financial accounts. Task Force on Climate-related Financial Disclosures (TCFD) has not been checked back to source as part of this assurance process.

STATEMENT OF INDEPENDENCE AND COMPETENCE

The SGS Group of companies is the world leader in inspection, testing and verification, operating in more than 140 countries and providing services including management systems and service certification; quality, environmental, social and ethical auditing and training; environmental, social and sustainability report assurance. SGS affirm our independence from ADVANTECH, being free from bias and conflicts of interest with the organisation, its subsidiaries and stakeholders.

The assurance team was assembled based on their knowledge, experience and qualifications for this assignment, and comprised auditors registered with ISO 26000, ISO 20121, ISO 50001, SA8000, RBA, QMS, EMS, SMS, GPMS, CFP, WFP, GHG Verification and GHG Validation Lead Auditors and experience on the SRA Assurance service provisions.

ASSURANCE OPINION

We believe that the organisation has chosen an appropriate level of assurance for this stage in their reporting.

AA1000 ACCOUNTABILITY PRINCIPLES (2018) CONCLUSIONS, FINDINGS AND RECOMMENDATIONS

ADVANTECH has demonstrated a good commitment to stakeholder inclusivity and stakeholder engagement. A variety of engagement efforts such as survey and communication to employees, customers, investors, suppliers, and other stakeholders are implemented to underpin the organization's understanding of stakeholder concerns. For future reporting, ADVANTECH may proactively consider having more direct two-ways involvement of stakeholders during future engagement.

TWLPP5008 Issue 2302 TWLPP5008 Issue 2302

Materiality

ADVANTECH has established effective processes for determining issues that are material to the business. Formal review has identified stakeholders and those issues that are material to each group and the report addresses these at an appropriate level to reflect their importance and priority to these stakeholders.

Responsiveness

The report includes coverage given to stakeholder engagement and channels for stakeholder feedback. Impact

ADVANTECH has demonstrated a process on identify and fairly represented impacts that encompass a range of environmental, social and governance topics from wide range of sources, such as activities, policies, programs, decisions and products and services, as well as any related performance. Measurement and evaluation of its impacts related to material topic were in place at target setting with combination of qualitative and quantitative measurements.

GLOBAL REPORTING INITIATIVE REPORTING STANDARDS CONCLUSIONS, FINDINGS AND RECOMMENDATIONS

The report, ADVANTECH's Sustainability Report of 2022, complies with the Requirements for reporting with reference to the GRI Standards set out in Section 3 of GRI 1. The significant impacts are assessed and disclosed with reference to the guidance defined in GRI 3: Material Topic 2021. The report has properly disclosed information related to ADVANTECH's contributions to sustainability development. For future reporting, ADVANTECH is encouraged to prepare for the transition to reporting in accordance with the GRI Standards, with more comprehensive details of its management processes on the identified impacts on the economy, environment, and people, including impacts on their human rights. In addition, ADVANTECH can engage external experts while assess its impacts.

TWSE Sustainability Indicators CONCLUSIONS, FINDINGS AND RECOMMENDATIONS

ADVANTECH has referenced with TWSE Sustainability Indicators for Hardware Industries to disclose information of material topics that are vital for enterprise value creation. The reporting boundaries of the disclosed information correspond to the financial data reported in ADVANTECH's audited consolidated financial statements of 202Y. ADVANTECH used TWSE Sustainability Indicators to assess and manage the topic-related risks and opportunities, where relevant quantitative information was assessed for its accuracy and completeness to support the comparability of the data reported. Process to identify, assess, and manage topic-related risks and opportunities were integrated into ADVANTECH's overall management process.

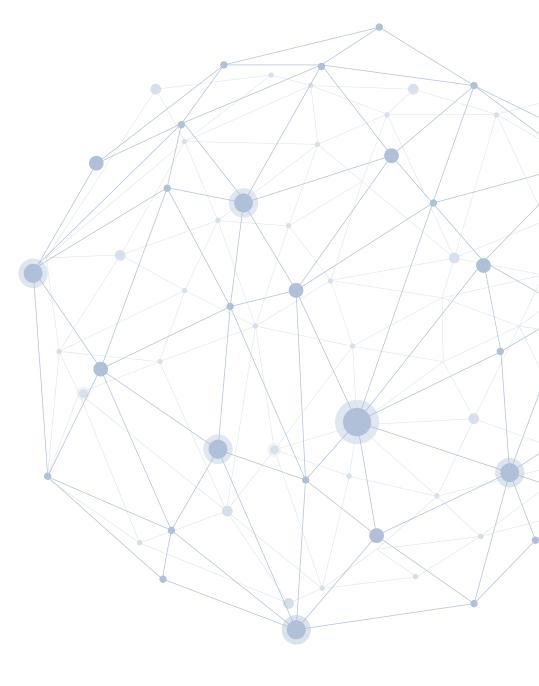
Signed:

For and on behalf of SGS Taiwan Ltd.

Stephen Pao Knowledge Deputy General Manager Taipei, Taiwan 05 June, 2023

WWW.SGS.COM





Appendix 3: Report of Assurance by a Third Party



Independent Limited Assurance Report

PWCM22000664

To Advantech Co.,Ltd.

We have been engaged by Advantech Co., Ltd. ("the Company") to perform assurance procedures on the sustainability performance information identified by the Company and reported in the 2022 Sustainability Report ("the Sustainability Report"), and have issued a limited assurance report based on the result of our work performed.

Subject Matter Information and Applicable Criteria

The sustainability performance information identified by the Company (hereinafter referred to as the "Subject Matter Information") and the respective applicable criteria are stated in the "Summary of Subject Matter Assured" on page 201 of the Sustainability Report. The scope of the aforementioned Subject Matter Information is set out in the "Reporting Scope" on page 3 of the Sustainability Report.

The respective applicable criteria referred to above are the Taiwan Stock Exchange Corporation Rules Governing the Preparation and Filing of Sustainability and FAQ issued by TWSE Listed Companies and related laws and regulations, the latest edition of the GRI Sustainability Reporting Standards (the "GRI Standards") published by the Global Reporting Initiative (the "GRI") and the other criteria referred to or designed by the Company based on the Company's industry characteristics and sustainability performance information reported.

Management's Responsibilities

The Management of the Company is responsible for the preparation of the sustainability performance information disclosed in the Sustainability Report in accordance with the Taiwan Stock Exchange Corporation Rules Governing the Preparation and Filing of Sustainability Reports and FAQ issued by TWSE Listed Companies and related laws and regulations, the GRI Standards published by GRI and the other criteria referred to or designed by the Company based on the Company's industry characteristics and sustainability performance information reported, and for such internal control as management determines is necessary to enable the preparation of the sustainability performance information that is free from material misstatement, whether due to fraud or error.

資減聯合會計師事務所 PricewaterhouseCoopers, Taiwan 110208 爱北市信義區基隆路一段 333 號 27 樓 27F, No. 333, Sec. 1, Keelung Rd, Xinyi Dist, Taipei 110208, Taiwan T: +886 (2) 2729 6666, E:+ 886 (2) 2729 6686, www.pwc.tw



Our Responsibilities

We conducted our assurance work on the Subject Matter Information disclosed in the Sustainability Report in accordance with the Standard on Assurance Engagements 3000, "Assurance Engagements other than Audits or Reviews of Historical Financial Information" of the Republic of China, to identify whether any amendment is required of the Subject Matter Information to be prepared, in all material respects, in accordance with the respective applicable criteria, and issue a limited assurance report.

We conducted our assurance work in accordance with the aforementioned standards including identifying the areas where there may be risks of material misstatement of the Subject Matter Information, and designing and performing procedures to address the identified areas. The procedures performed in a limited assurance engagement vary in nature and timing from, and are less in extent than for, a reasonable assurance engagement. Consequently, the level of assurance obtained in a limited assurance engagement is substantially lower than the assurance that would have been obtained had we performed a reasonable assurance engagement.

The extent of the assurance work we performed were based on the identified risk areas and determined materiality, and given the circumstances of the engagement, we designed and performed the following procedures:

- Made inquiries of the persons responsible for the Subject Matter Information to understand the
 processes, information systems and the relevant internal controls relating to the preparation of the
 aforementioned information to identify the areas where there may be risks of material misstatement;
- Based on the above understanding and the areas identified, performed selective testing including inquiry, observation, and inspection to obtain evidence for limited assurance.

We do not provide any assurance on the Sustainability Report as a whole or on the design or operating effectiveness of the relevant internal controls.

Compliance of Independence and Quality Management Requirement

We have complied with the independence and other ethical requirements of the Code of Ethics for Professional Accountants, which is founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behavior.

Our firm applies Standard on Quality Management 1, "Quality Management for Firms that Perform Audits or Reviews of Financial Statements, or Other Assurance or Related Services Engagements" of the Republic



of China, and accordingly maintains a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

Inherent Limitations

Certain Subject Matter Information involves non-financial data which is subject to more inherent limitations than financial data. Qualitative interpretations of the relevance, materiality and the accuracy of data are subject to individual assumptions and judgments.

Limited Assurance Conclusion

Based on the procedures we have performed and the evidence we have obtained, we are not aware of any amendment that is required of Subject Matter Information to be prepared, in all material respects, in accordance with the respective applicable criteria.

Other Matter

The Management of the Company is responsible for maintaining the Company's website. If the Subject Matter Information or the applicable criteria are modified after this limited assurance report is issued, we are not obliged to re-perform the assurance work.

Chao, Yung-Chieh

Chao, Yung Chieh

Partner

For and on behalf of PricewaterhouseCoopers, Taiwan

21 July 2023

Advantech Co., Ltd. Summary of Subject Matters Assured

No	Subject Matter Assured	Information	Page	Applicable Criteria
1	Average training hours for employees	In 2022, the average training time per person was 48.3 hours.	139- 141	The statistical data of average training hours in 2022 according to Advantech's regulation of education and training divided by the total number of employees in 2022.
2	Types, number of people and ratio of occupational accidents	Includes statistics of occupational injury of Advantech's employees, categories of occupational injury of Advantech's employees and statistics of occupational injury of non-Advantech's employees.	169	Please refer to the content of the sustainability report.
3	Aggregate amount of pecuniary damages resulting from legal proceedings relating to anticompetitive conduct regulations	The overall number of incidents for "Incidents of anti-competitive behavior, antitrust and monopoly behavior, and market manipulation" in 2022 is 0. Therefore, no monetary loss due to litigation.	47	Total pecuniary damages of ACL and ARMC in 2022 resulting from legal proceedings relating to anticompetitive conduct regulations, as indicated by the companies.
4	Proportion of Existing Suppliers Audited	The total number of planned implementations is 88, of which 77 are audited. The implementation audit ratio is 87.5%.	64	The final implementation audit ratio of ACL and AKMC in 2022 of the planned implementations. Note: Existing suppliers are defined as suppliers with actual transactions in 2022.
5	Ratio of significant suppliers that have signed the "Consent Form for Code of Conduct"	100% of significant suppliers have signed the "Consent Form for Code of Conduct"	64	The ratio of significant suppliers at ACL that have signed the "Consent Form for Code of Conduct"
6	The amount of fines imposed for violating environmental laws and regulations	In 2022, there was no fine imposed for violating environmental laws and regulations.	121	The amount of fines imposed for violating environmental laws and regulations related to environmental protection at ACL and AKMC.
7	Disposal volume of total wastes outsourced (metric tons)	The total waste disposal volume in 2022 was 1,242.53 metric tons.	125- 127	Please refer to the content of the sustainability report.

Appendix 4:TCFD financial quantification status report

Quantification of the financial impact of climate change risk

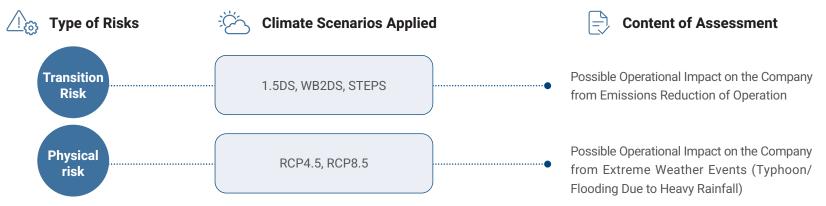
Based on the results of climate risk identification, Advantech has invited consultants to work together to consider the internal and external environmental changes, focusing on the two types of risks issues, "Transition risk - operational emissions reduction and Physical risk-extreme weather events (typhoon/flooding due to heavy rainfall)", and we conducted impact financial quantitative assessment with reference to the methodologies disclosed by domestic and foreign companies.

Results of Risk Financial Quantification Content of Risk **Assessment Method** Path 1 Estimated financial costs increased in renewable Path 1 energy investment from voluntary reduction in Increases in cost amounted to NT\$58,764,963 operation due to trend or per customer requests Path 2 Path 2 Increases in cost amounted to NT\$315,557,546 Estimated financial costs from interruption of operations and production due to controls on power Path 3 cuts such as energy transformation/control Increases in cost amounted to NT\$8,868,638 Path 3 Cost management **Transition Risk - Emissions** Estimated financial costs increased in response costs Increases in cost amounted to **Reduction of Operation** due to the implementation of mandatory reduction NT\$1,586,369,473 regulations (such as mandatory quotas for renewable energy, and controls on carbon price regulations) Path Path Estimated financial costs increased due to Increases in cost amounted to NT\$379.400 extreme weather events caused equipment Cost management damage in the factory area and personnel **Physical risk - Extreme** Increases in cost amounted to NT\$1,300,000 could not go to work **Weather Events** (Typhoon/Flooding Due to

Heavy Rainfall)

Resilience and Scenario Analysis

According to the TCFD recommended guidance, Advantech uses various scenarios faced by the two risk types of transformation and entities to analyze and evaluate the impact of different scenarios on the company's operations, and we also incorporates the analysis results into the strategic resilience assessment.

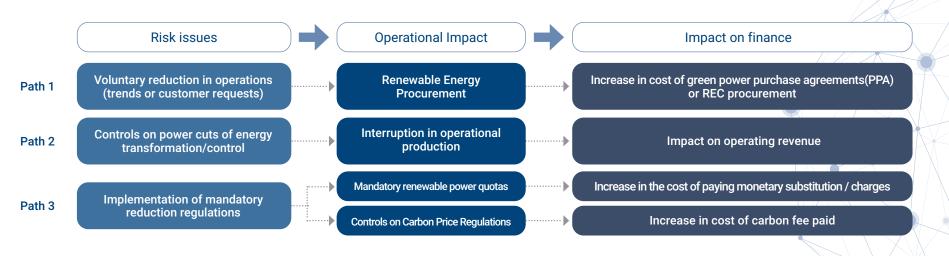


*Note:

- 1.5DS and WB2DS represent aggressive emission scenarios, reaching net zero emissions around 2050 and 2060, representing warming of 1.5°C and 1.7°C, respectively.
- STEPS (Stated Policies Scenario) represents the emissions of the existing control policies of each country, reaching net zero emissions during 2070 to 2080, representing warming of 2.7°C.
- RCP4.5 refers to the radiative forcing will reach about 4.5Wm-2 by the end of the century, and it represents the existing policies of each country around the world to achieve the goal of reducing greenhousegases, representing warming of 2.7°C.
- RCP8.5 refers to the continuous increase of radiative forcing to greater than 8.5Wm-2, and it represents the countries of the world act without any reduction, representing warming of 4.4°C.

Transition Risk - Identification of influence and potential impact on finance

We apply three scenarios to analyze the impact of emissions reduction of operation on future operations.





Path 1: Voluntary reduction in operation

Year of assessment 2023

Key Assumptions

Overall assessment considers the financial impact of offsetting carbon reduction through the full purchase of renewable energy, regardless of the cost of purchasing carbon rights.

Usage	Carbon reduction path of WB2DS and 1.5DS of International Energy Agency (IEA)
scenario	

Scenario 1 Results of Impact Analysis

WB2DS (Scenario of SBT Increase in cost of green power purchase agreements Voluntary reduction) (PPA) or I-REC procurement amounted to NT\$57,706,595

Scenario 2 Results of Impact Analysis

1.5DS (Scenario of Net Zero)

Increase in cost of green power purchase agreements (PPA) or I-REC procurement amounted to NT\$58,764,963



Path 2: Energy transformation/ controls on power cuts of energy

Year of assessment 2021/Annually

Key Assumptions

China's policy on power limits caused interruption of water supply and power supply, resulting in increases in equipment damage and uninterruptible power system maintenance cost and reduction in revenue due to operational production interruption.

Usage scenario

Implementation of Controls Scenarios (Refer to Historical Scenarios)

Results of Impact Analysis

Increase in cost due to operational production interruption amounted to NT\$315,557,546



Path 3 Implementation of mandatory reduction regulations

Year of assessment 2025-2030/Annually

Key Assumptions

Advantech may be affected by government regulations in Taiwan in the future, including the tightening of regulations for large power consumers requiring a certain proportion of renewable energy and the revision of the Climate Change Response Act. The Company's operating costs will increase due to payment of monetary substitution or carbon fees if it fails to meet the specifications.

Usage scenario

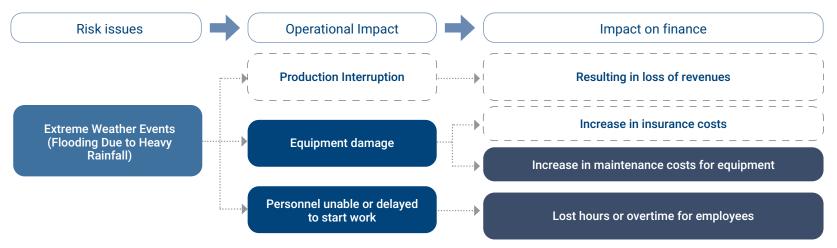
Implementation of Stated Policies Scenario (STEPS)

Results of Impact Analysis

Increase in operation cost due to renewable energy monetary substitution paid and carbon fee imposed amounted to NT\$8,868,638

Physical risk - Identification of influence and potential impact on finance

We apply two scenarios to analyze the impact of extreme weather events on future operations.



*Judging the discussion based on what actually happened in history



Path: Extreme climate events

Year of assessment until mid-century (2050) /Occurs every 5or 10 years

Key Assumptions

Overall assessment considers the financial impact from operational production caused by extreme weather events (flooding due to heavy rainfall), regardless of the impact of other physical risks (such as temperature rise and drought)

Usage Scenarios RCP8.5 and RCP4.5 of the Taiwan Climate Change Projection Information and Adaptation Knowledge Platform (TCCIP) Scenario 1 Results of Impact Analysis RCP8.5 (Worst-Case Increase in operation cost due to equipment damage in the factory Scenario for Warming) area and personnel could not go or delayed start to work amounted to NT\$379,400

Scenario 2 Results of Impact Analysis

RCP4.5 (BAU Scenario) Increase in operation cost due to equipment damage in the factory area and personnel could not go or delayed start to work amounted to NT\$379,400

Advantech's future change rate of days with heavy rain in Taiwan

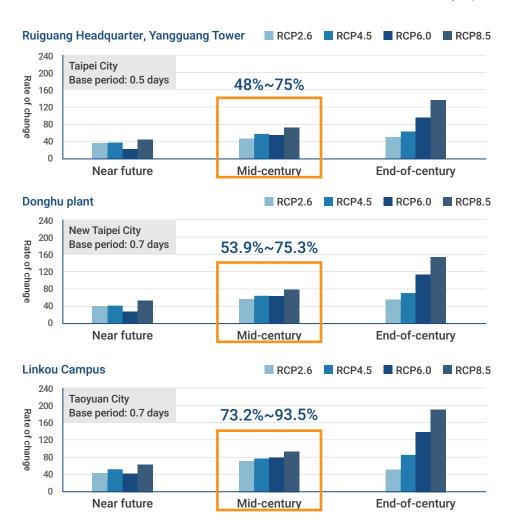
- Days with heavy rain: accumulated rainfall in a single day>200mm
- Scenario: The Taiwan Climate Change Projection and Information Platform Project (TCCIP) RCP4.5, RCP8.5

Operation	Base period/		Annual chang	e rate of days with heavy rain (%)			
Base of Ad- vantech	each year (1986- 2005)	Scenario	Near future (2016~2035)	Mid-century (2046~2065)	End-of-century (2081~2100)		
Ruiguang headquarter	0.5 day	RCP4.5	39.22%	59.89%	64.7%		
Yangguang Tower	0.5 day	RCP8.5	45.89%	75.03%	140.71%		
Donghu	0.7 day	RCP4.5	40.81%	60.67%	66.89%		
plant		RCP8.5	51.39%	75.26%	147.97%		
Linkou Campus	0.7 day	RCP4.5	52.75%	77.88%	85.56%		
		RCP8.5	63.68%	93.52%	189.00%		

Advantech's Scenario-Based Assessment of Future Extreme Rainfall in Taiwan

- Rainfall standards for the design of drainage systems for urban stormwater sewers:
 Current stage: return period of 5 years
 Medium-term target in the future: return period 10 years
- Scenario: The Taiwan Climate Change Projection and Information Platform Project (TCCIP) RCP4.5, RCP8.5 (unpublished RCP6.0)

Operation Base of Ad-	latitude and longitude	Base period	Change rate of design rainfall (%) Mid-century(2046~2065)			
vantech		(1976-2005)	RCP4.5	RCP8.5		
Ruiguang headquarter	121.583, 25.070		18%	16%		
Yangguang Tower	121.578, 25.073	5-year return period	18%	16%		
Donghu plant	121.623, 25.067	percentile 50%	13%	17%		
Linkou Campus	121.382, 25.059		19%	14%		



Operation			Change rate of design rainfall (%) Mid-century(2046~2065)			
Base of Ad-	latitude and longitude	Base period (1976-2005)				
vantech		(1370 2000)	RCP4.5	RCP8.5		
Ruiguang headquarter	121.583, 25.070	10-year return period	23%	20%		
Yangguang Tower	121.578, 25.073		23%	20%		
Donghu plant	121.623, 25.067	percentile 50%	17%	16%		
Linkou Campus	121.382, 25.059		20%	17%		

Appendix 5: List of Public Associations Participated and Description of Investing in Resources

The Meaning and Importance of Participating the Associations

Under the corporate vision of "Enabling an intelligent planet", Advantech works with industry partners to develop the industrial ecological chain and create various IoT software and hardware solutions. Furthermore, we combine the concepts of green operation and sustainable development to actively promote industries and issues related to the Industrial Internet of Things, including smart factories, smart manufacturing, industry 4.0, smart healthcare, smart transportation, smart logistics and retail, etc., through participation in domestic and overseas organizations and groups of official and non-governmental associations.

Performance Overview

We are involved in nearly 40 organizations and groups of official and non-governmental associations around the world. Approximately NT\$3 million was invested, and hundreds of colleagues participated in the activities.

Technology Ambassador of Digital New Southbound Technology Advisory Group

Advantech, Industrial Technology Research Institute (ITRI) and several system integrators have become technology ambassadors in the field of smart manufacturing to assist the Taiwan government to promote Taiwan's IoT technology and technique to the world. The project includes online courses and application Course: "Real-time management, production optimization, data-driven decision-making, START YOUR DIGITAL TRANSFORMATION" are adopted by Advantech as the content of online courses; the courses are also publicly promoted to members on the youtube channel of Taiwan Electronic Equipment Industry Association (TEEIA).

Project Highlights 1



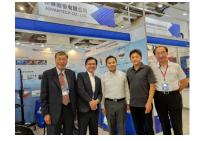


Cooperate with Taiwan Cold Chain Association and TAITRA to promote innovative cold chain solutions

Project Highlights 2

 Promotion of 2022 Taipei International Cold Chain Technology Exhibition:

Advantech and the Taiwan Cold Chain Association jointly demonstrate the solutions of promoting cold chain innovations, and we exchange and share with relevant industry players in the cold chain seminar.



 Taiwan Cold Chain Technology Innovation Seminar:

Advantech, TAITRA and Taiwan Cold Chain Association jointly promote Taiwan's cold chain experience to the Southeast Asian market. We also co-organized the "Taiwan Cold Chain Technology



Innovation Seminar" in Malaysia on October 14, 2022. During the meeting, Chiang, Wei-Lun, our business directors from Advantech Co., Malaysia Sdn. Bhd (AMY), attended to communicate with industry partners.

ltem	Invested amount in 2019 (NTD)	Invested amount in 2020 (NTD)	Invested amount in 2021 (NTD)	Invested amount in 2022 (NTD)
Lobbying, interest representation or similar	0	35,000	0	0
Local, regional or national political campaigns / organizations / candidates	0	0	0	0
Trade associations or tax-exempt groups (e.g. think tanks)	1,186,800	1,487,865	3,071,628	2,965,615
Other (e.g. spending related to ballot measures or referendums)	0	0	0	0
Total contributions and other spending	1,186,800	1,522,865	3,071,628	2,965,615
Data coverage (as % of denominator, indicating the organizational scope of the reported data)	62.9 (%)	79.3 7(%)	88.86(%)	90 (%)

^{*}Note: The calculation principle of the coverage rate: the number of employees in Taiwan, the United States, China and Japan/global = 7,966 (3,497 Taiwan + 508 USA + 3,736 China + 225 Japan) / 8,899*100% = 90%

Association or Special Interest Group (SIG)	Investment Type	Investment(NTD)	Investment (Local Currency)	Association Type (A=Industry, B=Technology)	Membership Type	Strategic Meaning for Joining the Associations or SIG
Cloud Computing & IoT Association in Taiwan (Taiwan)	2022 annual membership fees for Tier 2 membership	50,000	-	А	Organization membership	Promotion of cloud application services, and enhancement of the value of the national information and communication industry
Taipei Computer Association (Taiwan)	2022 annual membership fee	15,000	-	А	Tier 1 membership	Promotion of computer applications, improvement of economic development, and coordination of industry solidarity
Taiwan Automation Intelligence and Robotics Association (Taiwan)	2022 annual membership fee	40,000	-	А	Tier 1 membership serving as director	Promotion of smart manufacturing and factory smart automation, and association's course practice lecturers have served as lecturers for many times
Taiwan Electrical and Electronic Manufacturers' Association (Taiwan)	Membership fees for the first period of 2022 from January to June	21,000	-	А	Tier 1 membership	Promotion of Internet of Things platform and smart manufacturing development
Taiwan Electrical and Electronic Manufacturers' Association (Taiwan)	Membership fees for the second period of 2022 from July to December	21,000	-	А	Tier 1 membership	Promotion of Internet of Things platform and smart manufacturing development
Taiwan Electrical and Electronic Manufacturers' Association (Taiwan)	Membership fees for the second period of 2022 from July to December	21,000	-	А	Tier 1 membership	Promotion of Internet of Things platform and smart manufacturing development
Taiwan Electronic Equipment Industry Association (Taiwan)	2022 annual membership fee	30,000	-	А	Organization membership	Promotion of the construction of the Internet of Things platform, improvement of Taiwan's electronic equipment cooperation ecosystem

				industrial i	alcillo	
Association or Special Interest Group (SIG)	Investment Type	Investment(NTD)	Investment (Local Currency)	Association Type (A=Industry, B=Technology)	Membership Type	Strategic Meaning for Joining the Associations or SIG
Taiwan Printed CFircuit Association (Taiwan)	2022 annual membership fee	48000	-	А	Organization membership	Promotion of Industrial cooperation and marketing
Chinese International Economic Cooperation Association (CIECA), Taiwan (Taiwan)	2022 annual membership fee	20000	-	А	Organization membership	The expansion of substantial relationship between Taiwan's Industrial Internet of Things application and other countries in the world is assisted by participating in the international economic cooperation affairs engaged in by the organization.
Taiwan Association of Machinery Industry (Taiwan)	2022 annual membership fee	52800	-	А	Organization membership	Machine tools and other machinery industries have been assisted to introduce smart machinery applications, and Taiwan's smart machinery cloud ecosystem has been expanded.
Taiwan Telematics Industry Association (Taiwan)	2022 annual membership fee	20000	-	А	Tier 2 membership serving as director	Promotion of the development of Taiwan's Internet of Vehicles industry and enhancement of the industry's international competitiveness
Taiwan Cold Chain Association (Taiwan)	2022 annual membership fee	20000	-	А	Tier 1 membership	Co-organization of the cold chain national team with predecessors in the industry, government and academia within the association to gain a foothold in Taiwan and promote to the Southbound market.
Institute for Biotechnology and Medicine Industry (Taiwan)	2022 annual membership fee (1 seat)	20000	-	А	Organization membership	Jointly promotion of Taiwan's smart medical care with association medical institutions and industrial predecessors by participating in the organization, and jointly promotion of Taiwan's smart medical care to Southeast Asia.
Computer Internet of Things for Smart Industry Association (Taiwan)	2022 annual membership fee	50000	-	В	Tier 1 membership	This is a joint establishment of Taiwan's industrial computer industry to hopefully promote AloT-related policies together and form a consensus and direction for industrial promotion.
Intelligent Transportation Society of Taiwan (Taiwan)	2022 annual membership fee	10000	-	А	Organization membership	
SEMI Semiconductor Equipment and Materials International Taiwan Branch (U.S) (Taiwan)	2022 membership fee for renew	88259	USD 2,940.00	А	Organization membership	Promotion of the application of IoT solutions in semiconductor-related industries
AIA (Association for Advancing Automation) (USA)	2022 Annual Membership Fee	54036	USD 1,800.00	В	Enterprise membership	Deepening of industrial automation technology
OPC Foundation (USA)	2022 Annual Membership Fee	540360	USD 18,000.00	В	Enterprise membership	Definition of future technical standards for the Industrial Internet of Things
ODVA (Open Device Net Vendors Association) (USA)	2022 Annual Membership Fee	234156	USD 7,800.00	В	Enterprise membership	Promotion of related technologies and standards for industrial automation

Association or Special Interest Group (SIG)	Investment Type	Investment(NTD)	Investment (Local Currency)	Association Type (A=Industry, B=Technology)	Membership Type	Strategic Meaning for Joining the Associations or SIG
CSIA (Control System Integrators Association) (USA)	2022 Annual Membership Fee	93062	USD 3,100.00	В	Enterprise membership	Promotion of related technologies and standards for industrial automation
AHTD (Association for High Technology Distribution) (USA)	2022 Annual Membership Fee	37525	USD 1,250.00	В	Enterprise membership	Promotion of related technologies and standards for industrial automation
APTA (American Public Transportation Association) (USA)	2022 Annual Membership Fee	41278	USD 1,375.00	А	Enterprise membership	Promotion of related technologies and standards for industrial automation
ITS America (Intelligent transportation system America) (USA)	2022 Annual Membership Fee	150100	USD 5,000.00	А	Enterprise membership	Promotion of related technologies and standards for industrial automation
Edgecross Consortium (Japan)	2022 Annual Membership Fee	6900	JPY 30,000.00	А	Enterprise membership	Realization of the connection and integration of factory automation (FA) and information technology (IT) to quickly start Industry 4.0
Japan Railway Engineers' Association (Japan)	2022 Annual Membership Fee	5520	JPY 24,000.00	А	Enterprise membership	Promotion of the intelligent development of Japan railways
CC-Link Partner Association (Japan)	2022 Annual Membership Fee	23000	JPY 100,000.00	А	Enterprise membership	Promotion of related industries for industrial automation
Anritsu Fuji Meeting annual membership fee (Japan)	2022 Annual Membership Fee	4600	JPY 20,000.00	А	Enterprise membership	Promotion of related industries for industrial automation
Edge Computing Consortium (China)	2022 annual membership fee	88400	CNY 20,000.00	В	General membership	Promotion of related technologies and trends for industrial IoT
Machine Vision Industry Union (China)	2022 annual membership fee	176800	CNY 40,000.00	А	General membership	Promotion of related technologies and trends for machine vision
Low Speed Unmanned Driving Industry Alliance	2022 annual membership fee	190060	CNY 43,000.00	В	Enterprise membership	Promotion of related technologies and trends for low speed unmanned driving
E-paper Industry Alliance	2022 annual membership fee	35360	CNY 8,000.00	В	Enterprise membership	Promotion of related technologies and trends for e-paper
China Energy Storage Alliance	2022 annual membership fee	88400	CNY 20,000.00	А	Enterprise membership	Promotion of related technologies and trends for energy storage
Taiwan External Trade Development Council (Taiwan)	2022 New Southbound Smart Industry Economic and Trade Delegation	30000	-	А	Enterprise membership	Assistance in promoting Taiwan's Internet of Things and related industries in its value chain ecosystem
Preparatory Advisory member of GO SMART Global Organization of Smart Cities (Taiwan)	Participation in association forums or related exhibition activities	-	-	А	Preparatory Advisory Committee	Implementation of the application plan to promote smart cities, and overseas export of related applications in Taiwan
Taiwan Smart City Solutions Alliance (Taiwan)	Participation in association forums or related exhibition activities	-	-	А	Founding membership	Key role to promote Taiwan Real Site Demo, promote smart city exhibition, and promote Taiwanese manufacturers in smart cities
Asia Silicon Valley Development Agency (Taiwan)	Participation in association forums or related exhibition activities	-	-	А	General membership	Establishment of the IoT innovations industry through the promotion of the application of IoT technology,

Industrial Talents

Association or Special Interest Group (SIG)	Investment Type	Investment(NTD)	Investment (Local Currency)	Association Type (A=Industry, B=Technology)	Membership Type	Strategic Meaning for Joining the Associations or SIG
e-F@ctory Alliance (Japan)	Participation in association forums or related exhibition activities	-	-	В	General membership	Promotion of factory automation and application of Industry 4.0
Embedded Linux & Android Alliance (ELAA) (Worldwide)	Participation in association forums or related exhibition activities	-	-	В	Founding membership	Promotion of open and standardized Linux and Android software and hardware architectures, and establishment of a complete software and hardware industry ecosystem
LoRa Alliance (Worldwide)	Participation in association forums or related exhibition activities		-	В	General membership	Layout of low-power wide area wireless network in the development of Internet of Things applications
Taiwan High-Tech Facility Association (Taiwan)	Participation in association forums or related exhibition activities	-	-	А	Founding membership	Promotion of WISE- IoT platform and ESG- related solutions to customers such as high-tech factories in Taiwan

Overview of participation in climate change-related associations

As climate issues are getting more and more attention, Advantech has established Climate Change Strategies, a vision of net zero carbon emissions, and a description of Advantech's response to climate change. In addition, the above-mentioned related plans support and promote the initiative to support the Paris Agreement to limit global warming to 1.5 degrees. For relevant information, please refer to Chapter 4 of this report. Regarding to participate in climate change-related lobbying and the management mechanism of public associations, the ESG Office screens and identifies public associations or non-profit organizations that match the connotation of sustainability and echo the goals and spirit of the Paris Agreement to participate. Also, we report and plan the resources invested to the senior executives in charge of sustainable issues. We attend seminars, workshops and lectures related to climate change as planned. If the association is found to be inconsistent with the Company's climate change stance or inconsistent with the goals and spirit of the Paris Agreement, the Company's support will be stopped. The scope covered by this mechanism is Advantech global. Advantech's participation in climate change-related associations is summarized in the table below. By participating in educational training, forums, workshops and other activities organized by the following organizations, new knowledge is absorbed and communicated with benchmarking companies. Advantech responds to the Paris Agreement's commitment with empower.

Business Council for Sustainable Development of the Republic of China (Taiwan)	Participation in association forums or related education and training activities	90000		А	Standing	Absorption of new knowledge on corporate sustainability for improving corporate sustainability performance
Taiwan Climate Partnership (Taiwan)	Participation in association forums or related education and training activities	150000		Δ		Absorption of new knowledge on corporate sustainability for improving corporate sustainability performance
Taiwan Nature Positive Initiative (Taiwan)	Participation in association forums or related education and training activities	300000		А	membership	Absorption of new knowledge on corporate sustainability for improving corporate sustainability performance
CSR@CommonWealth (Taiwan)	Participation in association forums or related education and training activities	120000		А		Absorption of new knowledge on corporate sustainability for improving corporate sustainability performance
RE10X10 (Taiwan)	Participation in forums of non-profit organizations or related education and training activities	0		А	General membership	Absorption of new knowledge on corporate sustainability for improving corporate sustainability performance

The topics of concern of the public associations that Advantech participated in are as follows:

Issues of concern	Level of support	Advantech's Positioning and Significance of Participation	2022 Substantial Investment (NTD)
Actively participation in the Alliance of Industrial Internet of Things	Chrone augment	Actively participate in the alliance as speakers and engage in exhibitions to promote the IoT and its ecosystem. Also, we carried out co-marketing activities and introduced the industrial IoT concepts and solutions to partners and public.	1642656
The promotion of the Industrial IoT and the acceleration of the implementation of its solutions	Strong support	Participation of industrial IoT promotion organizations and technical associations to support the reliable and up-to-date technologies and standards. To secure the operation and data transmission of industrial automation are developed under the latest technology.	1322959

Appendix 6: Comparison Table of ISO Certification and United Nations Sustainable Development Goals (SDGs) of Advantech

ISO certification		Certification scope								
Category	ISO name	HQ	ATMC	АКМС	AJP	AKR	ANA	AEU	Corresponding SDGs	
Quality	ISO 9001 Quality management system		•			•	>		1 消除資料 9 永順工業	
	ISO 13485 Medical equipment quality management system	②	•	⊘			⊘	⊘	3 细康與福祉	
	ISO 17025 Laboratory quality management system	⊘	•						-	
Environment	ISO 14001 Environmental management system	⊘	•	•	•		•		1 海峡 中 2 株 株 株 株 株 株 株 株 株 株 株 株 株 株 株 株 株 株 株	
	ISO 14064 Greenhouse gas inventory standards	②	•	•					9 永續工業 開幕機能的	
	ISO 50001 Energy management system	②	•	⊘					7 可負摘的	
Safety	ISO 45001 Occupational health & safety management system	Ø	•	•			©		3 健康開催社 5 性別平等	
Information	ISO 27001 Information security management system		•						-	

Appendix 7: Product compliance with environmental regulations and key performances of voluntary environmental labels

Advantech revised its internal management standards for various environmental protection policies related to the management of environment-related substances (such as EU RoHS, REACH, POPs, etc.), and introduced the IECQ HSPM QC080000 hazardous substance management system in 2009 to conduct risk control through Advantech's supplier management platform and supply chain eco information management platform. Advantech's selection of materials for various products conforms to the relevant environmental protection standards of the following countries according to the product sales area, as shown below:

- 1. RoHS Directive
- 2. REACH SVHC Control Requirements for Substances of Very High Concern
- 3. Product Recycling Specifications
 - 3.1 EU Waste Electrical and Electronic Equipment Directive (WEEE)
 - 3.2 International Standards ISO 11469 Standard (marking of plastic parts)
- 4. Battery Recycling Regulations
- 5. Waste Packaging Regulations
- 6. Regulations related to energy saving

6.1 Energy-Related Products Directive (ErP) Mark

6.2 Energy Star Mark



All products of the Company have undergone safety verification operations in the design and development stage to ensure compliance with CE/FCC/CCC safety marking requirements. Advantech abides by the environmental protection laws and regulations issued internationally, from the effective utilization of natural resources, to the ban on hazardous substances and the Life Cycle Assessment (LCA) of proper waste management, and we follow the relevant international standards for eco products. The Company's products promote eco products based on the three aspects of safety, energy saving, and environmental protection. Relevant information announcements are described in the product catalogue on the Company's website, as shown below.

Example of Environmental Declaration on Advantech's Product Marketing Website



7"/10.1"/15.6" Touch Panel Computer with ARM Cortex™-A53 Processor



Features

- NXP® ARM® Cortex™-A53 i.MX 8M Mini quad-core processor
- 7", 10.1" and 15.6" 16:9 LCD with multi-touch P-CAP and true-flat IP66-rated front panel
- Up to 2 GB DDR4 RAM and 16 GB eMMC storage onboard
- 2 x 10/100/1000 Mbps LANs with optional IEEE 802.3at/af PoE-PD module support (7", 10.1")
- 1 mb FRAM backup memory for unexpected power interruptions
- 2 x Serial port with 120Ω termination resistor that one supports the CAN 2.0B protocol and offers a programmable bit rate of up to 1 Mb/sec
- Embedded browser and for rapid Web App development
- · Supports Linux Yocto and Android
- . Optional and mPCle expansion modules
- . Compatible with VESA and panel mounting
- Wide operating temperature range (-20 ~ 60 °C/-4 ~ 140 °F)



International Energy Conservation and Environmental Protection Marks

Energy Star Mark: since 2009, Advantech's specific types of models conform to Energy Star, an international energy-saving and environmental protection mark; the models introduced in the past four years are shown in table below.

Advantech Products Introducing the Energy Star Environmental Protection

Mark in the Past Four Years

Product Number	Product Type
ESY152,ESY15i5,ESY22i2,EY22i5	Panel PC Industrial computer equipment with screen
ESY20X2;ESY20X3;ESY20X5;ESY20X7	
ESY15X2;ESY15X3;ESY15X7;ESY17X2;ESY17X3;ESY1 7X7;ESY15X5	
ESY15i2,ESY15i5,ESY22i2,ESY22i5	
AIM-37AC, AIM8IAC, AIM8I, AIM 10W	
DSDM-055FD-45NE-V, DSDM-155FD-45NE-V	
DSDW-049FD-45NE-V	
GSC-7152W, GSC-7152W-C3AE	
AIM-75	
DS-085	

Advantech's eco design products achieved a silver medal in 2022

Advantech has established Advantech's Green ECO design standards since 2020 in response to international trends in carbon reduction and low-energy consumption regulations. Please refer to the table below for voluntary introduction of Advantech eco design product models.

Advantech's eco design products silver medal 2022

Product Number	Product Type
FPM-212,215217219221	Computers, Panel PCetc.
FPM-1150G-RHAE	
ARK-1250L	
FPM-7151,7181,721	
IDP31	
TPC-107	
VEGA-7110	
DS-085	