

Environment

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Mitigation of Climate Change (Prevention of Global Warming)

We will strive to reduce GHG emissions by providing green products and innovating in our business processes in order to fulfill our corporate mission to control global warming as per the Sustainability Policy. Having declared support for the TCFD Recommendations, we will proactively continue to clarify risks and opportunities associated with climate change and implement information disclosure.

Approach to Climate Change

Based on "The Advantest Way," Advantest continuously engages in long-term initiatives to alleviate and adapt to climate change in order to contribute to tackling important social challenges related to environmental issues.

For [disclosures related to climate change based on the TCFD Recommendations](#), please refer to "Risk Management" on the "Governance" page.

International initiatives and Advantest's efforts on climate change

As a mid/long-term climate change countermeasures target, Advantest has set a goal to reach net-zero Scope 1+2 GHG emissions by FY2050. In addition, we have set targets to reduce Scope 1+2 GHG emissions by 65% by FY2026 compared to FY2018.

Furthermore, Advantest has established Scope 3 GHG emissions reduction targets for FY 2030. However, in light of changes in the business environment, we are currently reviewing our Scope 3 targets and considering specific measures to achieve these targets.

Name of institution	Advantest's efforts
TCFD The Task Force on Climate-Related Financial Disclosures	As part of our efforts to ensure information disclosure, we analyze the impacts of climate change on business continuity as well as management risks and opportunities associated with laws and regulations based on the temperature increase scenarios outlined by the IPCC.
SBTi Science-based Targets Initiative	We formulate CO ₂ emissions reduction goals based on scientific insights and implement relevant measures as we work to achieve the goal of limiting temperature increases adopted in the Paris Agreement. In November 2021, Advantest obtained certification from the Science Based Targets initiative (SBTi), which recognized that Advantest's greenhouse gas reduction goals will contribute to achieving the target.(Scope1,2 : 1.5-degrees Celsius, Scope3 : 2-degrees Celsius) For the latest information on Scope 1, 2, and 3, please refer to " Environmental efforts on our products (Initiatives to Address Supply Chain Emissions) ".
RE100 Renewable Energy 100%	We formulate and implement plans for transitioning to renewable energy sources for the electricity consumed upstream and downstream in our business operations and in our supply chain.
CDP Carbon Disclosure Project	We proactively disclose information on initiatives for risks associated with climate change, such as the TCFD Recommendations, SBTi, and RE100. In the Climate Change Report 2023, Advantest received a score of B and was selected as the highest-rated Supplier Engagement Leaderboard in the Supplier Engagement Rating (SER).
IPCC Intergovernmental Panel on Climate Change	The IPCC is an intergovernmental organization established by the World Meteorological Organization (WMO) and the United Nations Environment Programme (UNEP). With the contributions of scientists from all over the world, it regularly produces reports and provides evaluations of the latest scientific findings on climate change. Advantest also leverages these evaluation reports and scenarios published by the IPCC as a basis for analysis of physical and transition risks.
The Paris Agreement (COP21)	An international agreement adopted in 2015 with the goal of limiting the global average increase in temperature to 1.5-degrees Celsius, a level that is well below 2-degrees Celsius, compared to pre-industrial levels.

Initiatives Through Industry Groups

Japan Climate Initiative

Japan Climate Initiative (JCI) is a network of non-state actors who make serious efforts towards the 1.5-degrees Celsius target and the realization of a decarbonized society.

Advantest supports the declaration of the JCI, "Joining the front line of the global push for decarbonization from Japan," and participated in the initiative to support the transition to a decarbonized society by 2050.

We will contribute to the realization of a decarbonized society by voluntarily and proactively taking actions on climate change and by working together with local governments and private companies, which are actively engaged in climate change countermeasures.

Semiconductor Climate Consortium

The Semiconductor Climate Consortium (SCC) is a consortium established by the Semiconductor Equipment and Materials International (SEMI) to speed industry value chain efforts to reduce greenhouse gas emissions from the semiconductor ecosystem. Advantest joined the SCC, as one of the founding members, bolstering climate change measures along with member companies to achieve the 1.5-degrees Celsius target.

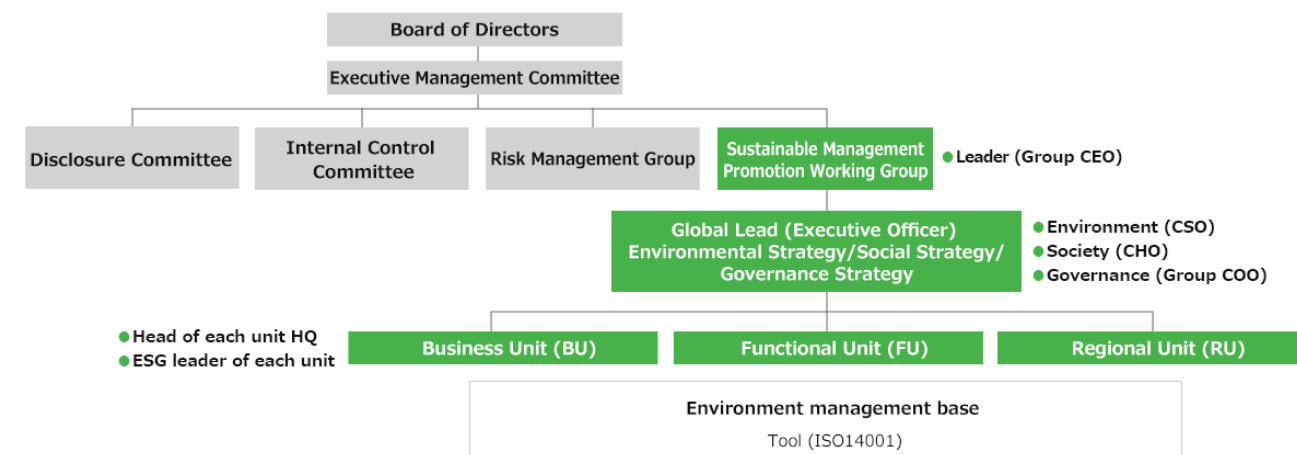


[Involvement with External Initiatives](#)

Environmental Management

Advantest has formulated the Sustainability Action Plan 2024-2026 to aim for the sustainability of the company and society through the enhancement of sustainability initiatives. The action plan's specific targets and indicator settings are based on international standards, such as those for climate change countermeasures. The results are reported to and discussed with the Sustainable Management Promotion Working Group twice a year. The Working Group will then report them to the Executive Management Committee and the Board of Directors in accordance with the Sustainability Policy, and discussed as part of our sustainability strategy. We use the ISO14001 management system as a tool to track our progress toward these goals.

For more information on international standards for climate change countermeasures, please refer to ["Approach to Climate Change"](#).



Acquisition of ISO14001 Certification

The Advantest Group has acquired the integrated ISO14001 certification for its offices, as well as its research, development, and production facilities in Japan. The Group has acquired ISO14001:2015 certification for its environmental management system, which is based on relevant laws and regulations in each country where it operates. Under the uniform standards provided by ISO14001:2015, we are promoting initiatives to reduce energy use, control waste generation, develop and provide environmentally friendly products (green products), and reduce the environmental impact of our business activities.

ISO14001 as an important management tool that serves as a driving axis for our sustainability initiatives and a cycle for checking its progress. We intend to maximize its use as an international standard that can be widely utilized in Japan and our overseas locations.

Acquisition of ISO14001 certification

As of June 28, 2024



Company	(Base)	First acquisition of ISO14001 certification
ADVANTEST CORPORATION (Including business affiliates)		
	Head Office	1998/4
	Sendai Laboratory	
	Gunma R&D Center	
	Saitama R&D Center	
	Kitakyushu R&D Center	
	Gunma Factory	
Advantest America, Inc.		
	San Jose, U.S.A.	2008/10
Advantest Test Solutions, Inc.		
	Lake Forest, U.S.A.	
Advantest Europe GmbH		
	Munich, Germany	2008/4
	Amerang, Germany	
	Boeblingen, Germany	
Advantest (Singapore) Pte. Ltd.		
		2008/6
Advantest (M) Sdn. Bhd. (Penang - Malaysia)		
		2008/9
Advantest Korea Co., Ltd.		
		2008/7
Advantest Taiwan Inc.		
		2006/12
Advantest (China) Co., Ltd.		
	Shanghai, China	2008/5
	Beijing, China	
	Xi'an, China	
Advantest (Suzhou) Co., Ltd.		
	Suzhou, China	
	Shanghai, China	



Bureau Veritas Certification (copy)

Advantest Corporation ISO14001 certifications scope

As of June 28, 2024

Applicable standards	ISO14001:2015
Certification number	15841998
Certification scope	Research, development, design, manufacture and services of semiconductor and component test systems and mechatronics systems
Certifying body	Bureau Veritas Certification Holding SAS
Date of first certification	April 21, 1998
Date of integrated certification	Integrated as Advantest Group as of December 8, 2000.
Applicable business locations	Head Office, Sendai Laboratory, Gunma R&D Center, Saitama R&D Center, Kitakyushu R&D Center, Gunma Factory (Including each business affiliate)

Addition of S (Society) and G (Governance) targets to ISO14001 Management Targets

At the ESG Global Meeting, a measure to achieve the ESG Action Plan (at that time) using the ISO14001 Management Program mechanism was proposed, given that ISO14001 is an existing mechanism involving the PDCA cycle and has already been in operation at major sites. We decided to expand the scope of management not only for E (Environment) but also to S (Society) and G (Governance). Taking this opportunity, the scope of management by ISO14001 has expanded to the U.S. and in Japan in FY2023. We will make maximum use of ISO14001 management targets to enhance our sustainability initiatives.

* S and G targets are not subject to ISO14001:2015 certification audit.

Adoption of ISO14001 in the U.S.

America, Inc. (AAI) updated its ISO14001 program and integrated it into its ESG program. At the same time, AAI expanded the scope of application of ISO14001 to all its manufacturing locations, and these locations have launched environmental initiatives.

Adoption of ISO14001 in Japan

In expanding the scope of ISO14001 management program to ESG, we have devised a method for setting our goals. While environmental target themes are attributed to "Significant Environmental Aspects," S and G target themes are attributed to higher-level targets.

We have also improved the process so that the ESG action plan (at that time) at the corporate level is firmly incorporated into unit strategies at the unit level and management programs at the division level.

Specifically, a joint briefing session was held with outside experts, followed by a goal-setting meeting with each department. The external experts and the ESG leader of the Sustainable Management Working Group (SMWG) also attended the meeting to review and discuss the targets, and the meeting, which had become a mere formality, was transformed into a forum for communication. As a result, in FY2024, 70% of all ESG management program departmental targets were attributed to higher-level targets.



Examples of Targets and their Attributed Strategies

	Sustainability Action Plan	Unit ESG Strategy	ESG Management Program
E	GHG emissions reduction as covered in Scopes 1 and 2	Low power consumption design	Promote green design so that environmental assessment results for new products are at least 90 points above the eco-label standard
S	Fostering and instilling an attractive corporate culture	Revitalization of communication	Hold an exchange meeting with other departments once a quarter
G	Strengthening internal control	Compliance for product safety	Blend the requirements of regulations/laws of each country into the design and achieve zero violations per year

Environmental Policy Based on ISO14001 Standard Requirements

Advantest has established our environmental policies as an entire group and promotes environmental conservation in view of realizing a sustainable society. Based on the Sustainability Policy, Advantest continuously makes efforts to set long-term goals for environmental priority issues through our business. We have clarified KPIs for the three-year period of our third mid-term management plan (MTP3) (2024 to 2026), with the goal of contributing to the climate change mitigation and a decarbonized society.

Please refer to "[Materiality and ESG Action Plan](#)" and "[Our Activities](#)" for the Sustainability Action Plan (formerly ESG Action Plan) and fiscal 2023 results, respectively.

Environmental policies of the Advantest Group

The Advantest Group contributes to the sustainable development of society through our business activities. Moreover, we are committed to protecting the environment through climate change countermeasures, preservation of biological diversity, etc. as well as ensuring sustainable use of energy, water resources, etc. All our employees actively engage in the following environmental conservation activities so that our company can earn the trust of society.

1. Promoting Environmental Management

By maintaining our environmental management system, we promote global environmental conservation efforts that achieve a balance between business activities and environmental concerns.

2. Reduction of Customers' Environmental Burden

We promote energy conservation, improved recyclability, and the elimination of hazardous substances to provide environmentally friendly products and services that contribute to our customers' reduction of their environmental burdens while considering the life cycle of our products from material procurement to waste disposal.

3. Better Workplace Procedures

We reform work procedures to continually improve our environmental performance by creating environmentally friendly products.

4. Environmental Protection and Sustainable Use of Resources

By being alert to the environmental impact of our business activities, we strive to protect the environment from measures against climate change to the conservation of biodiversity, as well as sustainable use of resources such as energy and water.

5. Complying with Environmental Laws and Regulations and Preventing

Pollution Upholding all environmental laws and regulations and voluntary standards, we protect nature and shield our neighbors from environmental pollution and health hazards caused by chemical substances, waste and other contaminations.

Revision of the Environmental Policy

The Group CEO shows his firm commitment to the Advantest Group Environmental Policy.

In addition, the policy is reviewed when any of the following events occur, and in principle, the details of the changes are deliberated and decided by the Executive Management Committee before being disclosed internally and externally.

- When there is a significant change in the environmental impact of our products, activities, or services
- When the ISO 14001 standard is revised and differences from the requirements of the standard arise
- When there is a change of the Group CEO

Environmental Education (ESG Education)

In Advantest, education is being addressed within the larger framework of ESG promotion as well as the environment since 2022. In FY2023, it became one component of the Global Compliance Education Program (GCEP), which is a basic education program common to all Group companies.

For details of GCEP, please refer to "[Compliance Education](#)".

Basic Stance on ESG Education

The Advantest Group believes that it is essential for our employees to understand ESG issues in view of realizing a sustainable society. We promote global awareness-raising activities while holding the following two matters in mind.

1. Each and every employee needs to always feel that ESG is an issue close to their heart; and
2. Think about what they can and should do both at work and in the home, and transform these ideas into action.

The Advantest Group addresses "1" not only by providing environmental education but also in terms of ESG education in general and "2" by using our in-house social networking platform, "My LIFE. ON.", to provide a place for sharing individual employees' efforts.

Major Environmental Education Programs

We use the ISO14001 standard to promote our efforts to reduce the environmental impact. For details on ISO14001, please refer to "[Environmental Management](#)".

Program name	Educational Contents
Training for new employees	Education for new employees on the Advantest Group's approach to ESG
ESG Education	Understanding of "sustainability through promotion of ESG" as stipulated in the Second Mid-Term Management Plan as a basic education that should be understood by the entire Advantest Group, and the Advantest Group's environmental policy, as well as general ISO14001 environmental education
General ISO14001 environmental education	Country-specific education as part of ISO14001 general environmental education
Management of chemical substances	Education on the handling and safety management of chemical substances
Capability training for specific tasks	Education to maintain and improve the skills that are needed by those engaged in specific tasks such as energy management, pollution control and waste management

ESG Education (e-learning)

ESG educational materials are created in video format and are available in 16 languages. The video provides a basic understanding of ESG and sustainability initiatives in an easy-to-understand manner using animations and voice-over, allowing employees to understand ESG and experience a hands-on fun learning. We achieved 99.7% attendance rate in FY2023.



ESG Education Video

Environment	Includes general environmental education as an element of ISO14001, and covers the five activities based on the Advantest Group's environmental policy. We also promote environmental awareness through understanding of the SDGs and global warming.
Society	Explains Advantest's relationship with various stakeholders, as well as diversity and social issues in the entire supply chain.
Governance	Risk management and compliance adherence are also covered in this area, explaining how addressing ESG as a company enhances corporate value from a long-term perspective.

Participation in General Environmental Education for fiscal 2023

	Target employees	Number of participants	Participation ratio (%)
Japan	2,805	2,791	99.5
Overseas	4,079	4,073	99.9
Overall	6,884	6,864	99.7

Other ESG Educational Activities

Usage of The Interactive Digital Globe

We purchased an interactive digital globe, that reflects real-time Earth data, and installed it in our Gunma R&D Center, our research and development base. This tool, which allows us to learn about global temperature changes and the past, present, and future of the Earth, is used to promote environmental education on a global scale.

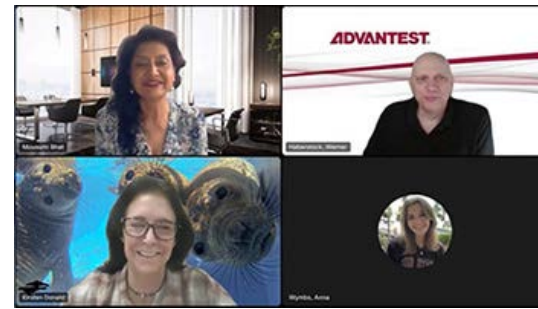
For details, please refer to "[Developing the Next Generation](#)" under "Examples of Social Contribution Activities".



Interactive digital globe

Online Earth Day Event in 2024

In the U.S., we hosted an online Earth Day event for our employees, as we did last year. The event provided a good opportunity for many employees to raise their awareness of environmental conservation, with the Marine Mammal Center, an NGO which rescues, researches, and conserves marine animals, introducing ocean conservation through marine animal rehabilitation, and the SEMI Climate Consortium explaining the semiconductor industry's environmental initiatives.



Speakers at online event

World Environment Day and World Oceans Day Commemorative Events

Employees in Singapore, Malaysia, the Philippines, and Thailand jointly held an online discussion on ESG in July 2023 to commemorate World Environment Day and World Oceans Day. Approximately 160 employees participated in the event, enjoying a quiz and learning more about the environment and oceans. Participants also contributed to removing plastic pollution by challenging themselves to live plastic-free for a week.



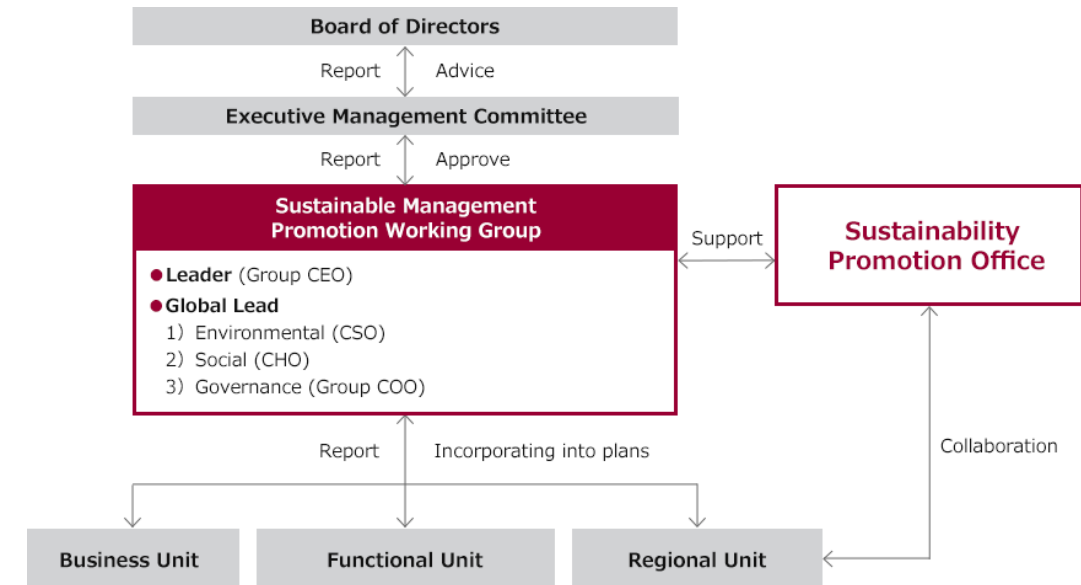
Employees who participated in the plastic free challenge

Global Educational Activities on Our Internal Social Networking Platform "My LIFE. ON."

The Advantest Group runs an internal social networking platform, "My LIFE. ON.". This social networking platform enables our employees to enjoy contributing to the SDGs by posting activities that are beneficial for people, the environment, and society and "liking" and commenting on each other's posts to demonstrate their support for such activities.

Establishment of a Global Promotion System

The Advantest Group has built a global system to encourage employee participation. Together with SDG promotion members at eight global locations, many employees use the in-house SNS as a place to introduce and share their activities in the community.



In fiscal 2023, employees worldwide continued to implement a variety of social contribution activities and shared them on My LIFE.ON. In Japan, "Aim for Zero Garbage!" My LIFE.ON. posting event was held to commemorate the Environment Month in June. Employees posted many unique ideas for reducing waste, such as "I used reusable tableware" and "I bring my own bottle to work".



Post on the use of reusable tableware

We also received many posts from our employees in China about their contributions for forest conservation. Japanese employees post in Japanese, while Chinese employees post in English and/or Chinese. My LIFE.ON. is a unique global exchange platform, which enables us to share information about our contribution activities in multiple languages.



Post submitted in Chinese by an employee in China

Besides the above, other active contributions to society, such as one by an employee who participated in a hair donation program, donating her two-year long hair to help provide medical wigs to children experiencing hair loss due to illness, and another by an employee who achieved 100 blood donations, and receiving a commemorative gift from the Japanese Red Cross Society for his proud 100th milestone, were well received.



Submitted post regarding the 100th blood donation



Submitted post regarding the hair donation program

Environmental efforts on our products

We understand the impacts our business activities have on the planet's environment and we carry out activities to reduce our environmental impact. This page introduces our initiatives for environmental conservation.

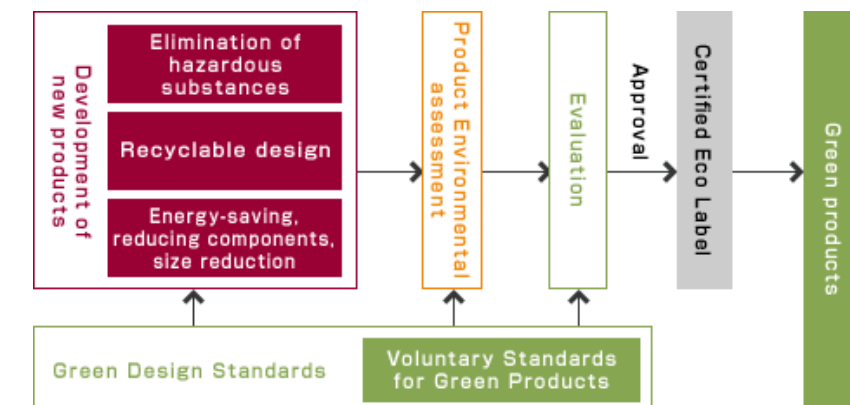
Green Products

Basic Stance

Contributing to the sustainable development of society and conducting environmentally friendly business operations are essential issues that need to be addressed in modern business management. The Advantest Group works to develop products from the perspective of environmental conservation while prioritizing high precision and high quality, and certifies as green products those products that are environmentally friendly in terms of the three key aspects of energy and resource saving, improving recyclability, and elimination of hazardous substances. There is demand in society for the supply of green products because they provide both a reduction in the environmental footprint and an improvement in economic value. The Advantest Group has been promoting business activities based on the belief that providing green products will be in response to these demands and beneficial for its customers since 2005.

Development Flow of Green Products

At the Advantest Group, all products undergo a product environmental assessment. During the product environmental assessment, products are assessed from various aspects, including energy-saving, reduction of the number of components, size reduction, recyclable design, and elimination of hazardous substances. New products that meet the Voluntary Standards for Green Products defined by Advantest are certified as green products and are awarded with an Eco Label (type II), in addition to the product environmental assessment. We design new products to be 100% green products.



Development flow of green products

Advantest Group Eco Label

The Advantest Group Eco Label features an original three-color design representing energy and resource saving, recyclable design, and elimination of hazardous substances through green procurement.

Energy and Resource Saving

Voluntary Standards
Energy saving design
Reducing component design
Size reduction design



Recyclable Design

Voluntary Standards
Design with recyclable plastic materials
Design for ease of dismantling
Release of information on disposal

Elimination of hazardous substances (Green Procurement)

Voluntary Standards
Improved rates of green procurement
Elimination of banned substances

Energy and Resource Saving

We aim to reduce the environmental impact of our products through product designs that save energy, reduce components, and reduce size.

The reduction rate of energy against conventional products has been set to a standard of at least 20% for semiconductor test systems and measurement instruments, and at least 10% for other products such as handlers and nanotech products.

We have also set a reduction rate of at least 10% in the same way for components and the miniaturization for all of our products.

Note: The above reduction ratios are values based on performance computation.

Recyclable Design

In recyclable design, we release information on parts that will require special attention during disposal, and plastic parts designed in-house use 90% or more recyclable materials. Moreover, we make sure that products are easy to dismantle with standard tools, and we use rechargeable batteries displaying a recycle symbol.

Elimination of Hazardous Substances (Green Procurement)

To eliminate hazardous substances from our products, we have established Group standards on banned substances based on the IEC62474 standard, and we conduct surveys of hazardous substances contained in parts and materials used in our products. Advantest is building a response system for some of its products and eliminating relevant chemical substances using the results of this survey because these chemical substances are regulated by the RoHS directive as of July 2017.

Our main products are semiconductor examining devices, which are not manufactured products. Therefore, our main products do not cause emissions of gases such as PFASs.

Green Products Certified During Fiscal 2023

In fiscal 2023, a total of five products related to semiconductor test systems, test handlers, and electronic measurement and medical equipment were certified as green products.

Product Recycling

Advantest has been recycling products through Advantest Pre-Owned Solutions Co., Ltd. (APO), our affiliate. We work with the Field Service Group to respond to a variety of customer requests, with the support for products that have been shipped to the market at the core, until the shipped products are no longer in use. Recycling is one solution that we provide for customer inquiries for products they no longer need. Currently, recycling is a domestic Japan-only solution, but we will continue consider its global applications and expand our activities.

Basic Stance

It is the Advantest Group's basic policy to take active steps to ensure that the products we sell are reused and recycled after they are retired, and to buy back products that are not expected to be reused so that the resources can be recycled.

Recycling policy

1. Achieve 100% collection of recyclables through manual dismantling.
2. Clarify to whom recycling is to be commissioned, and ensure traceability.
3. Promote the conservation of the global environment in collaboration with customers.
4. Properly dispose of harmful substances.
(Hazardous substances: mercury relay, ion type smoke detector, internal cooling water, and Fluorinert)

Efforts to Eliminate Plastic

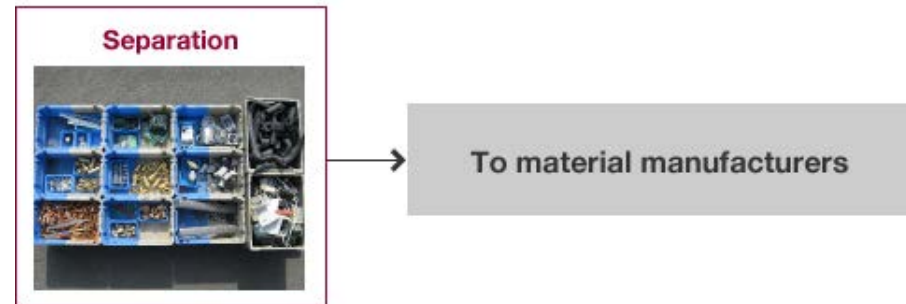
For more than 15 years, Advantest Gunma Factory has used reinforced cardboard packaging to transport our products, such as test systems, contributing to the elimination of plastics and the reduction of waste. In addition, reinforced cardboards are also used for the pallets on which the products are mounted, thus achieving a reduction in plastics.

The cardboard boxes are manufactured in appropriate sizes with the cooperation of our cardboard suppliers, which serve vital roles in providing safe and efficient deliveries. Moreover, the cardboard boxes are about half the weight of the wooden boxes used in the past, not only contributing to reducing CO₂ emissions during product delivery but also reducing the burden on employees since they are not just easy to pack, but are also easy to unpack at the shipping destination. A single cardboard packaging material is used only once for transporting a single product, and is recycled based on the rules of the customer.

Recycling Results for Fiscal 2023

The following is a list of our achievements in resource recycling, as requested by our customers. For details of our 3R activities, please refer to "Customers' Contribution to 3R".

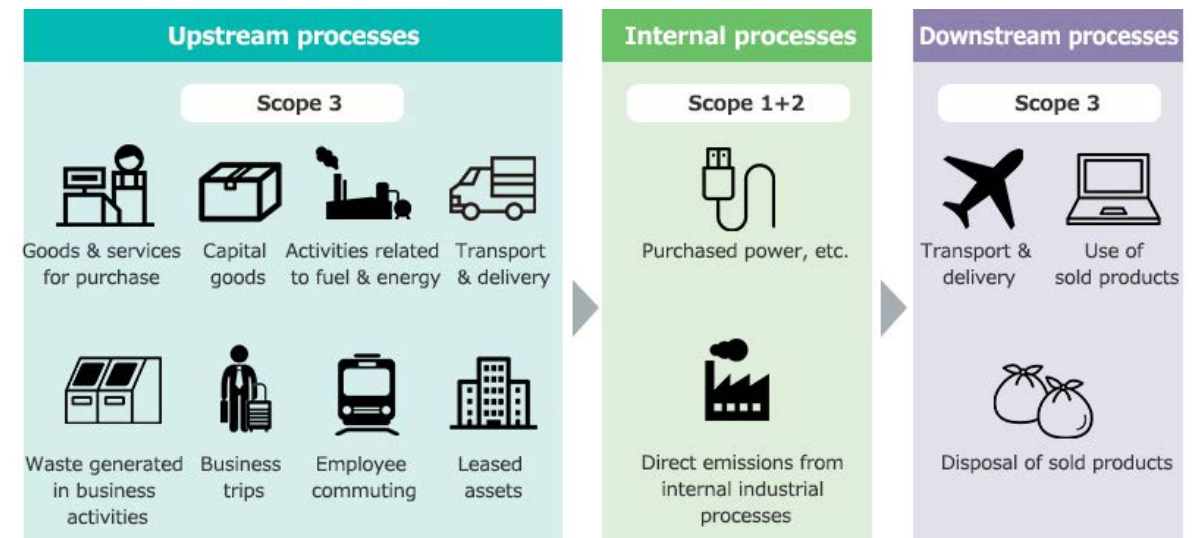
Year and month of processing	Number of units processed	Gross weight (kg)
April 2023	24	27,460
August 2023	10	32,040
October 2023	1	3,080
December 2023	18	15,460
Total	53	78,040



Product recycling flow in practice

Initiatives to Address Supply Chain Emissions

Efforts by individual companies alone to address climate change will have only a limited effect, which prompts us to engage in initiatives involving the entire supply chain and industry associations. The Advantest Group will proactively work to reduce our environmental footprint over the medium to long term through our supply chain in order to achieve our GHG (Green House Gas) emissions reduction targets.

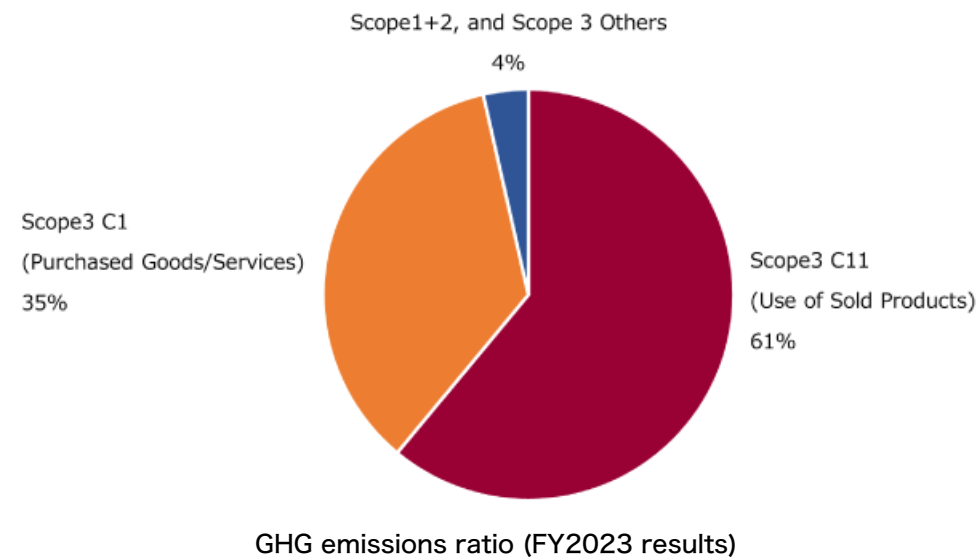


Emissions throughout the supply chain
Supply chain emissions = Scope 1, 2 and 3 emissions

Task Force to Promote Supply Chain Emissions Reduction Activities

We have established a task force in FY2021 to promote supply chain emission reduction activities and have been working on these activities throughout our supply chain ever since to achieve the SBTi certification targets for Scope 1 + 2, 3.

In our entire supply chain, Scope 3 "Category 1 (C1): Purchased goods/services" and "Category 11 (C11): Usage of products" account for the majority of GHG emissions. In addition to our own Scope 1+2 emissions reduction, reduction in Scope 3 "Category 1 (C1): Purchased goods/services" and "Category 11 (C11): Usage of products" represent a significant challenge for us.



(1) Task Force 1: GHG Emissions Reduction Activities in Product Development (Scope3 Category11)

ESG Action Plan 2021-2023

Key Issue	Objective	KPI		2021	2022	2023
Value chain (Scope3)	Reduce CO ₂ -equivalent emissions (basic unit) per test by 50% by 2030	Reduction rate in basic units (vs. FY2018)	Target	Set basic unit calculation definition		20%
			Result	Set basic unit calculation definition	Defined basic unit calculation definition	Targets under review

Sustainability Action Plan

Stakeholder	Key Issue	Objective	Executive in charge(*1)	KPI	Target (FY2026)
Customer	Climate change mitigation / Environmental impact reduction	Improving the environmental performance of our products	CTO	Development of power optimization products	To be determined during FY2024

Task Force 1 will collaborate with our R&D departments worldwide to promote the reduction of GHG emissions. As for the targets set in the ESG Action Plan 2021-2023, we have determined that it is difficult to calculate the reduction rate on a per-unit basis, therefore, we have revised the targets and set a new Sustainability Action Plan with the goal of improving the environmental performance of our products. We will develop power optimization products and contribute to GHG reduction through product development.

(2) Task Force 2: CO₂ Emissions Reduction Through Cooperation with Business Partners (Scope 3 Category 1)

ESG Action Plan 2021-2023

Key Issue	Objective	KPI		2021	2022	2023
Value chain (Scope3)	Promote the use of renewable energy by suppliers and contractors	Number of suppliers who use renewable energy	Target	10	20	40
			Result	12	22	40

Sustainability Action Plan

Stakeholder	Key Issue	Objective	Executive in charge(*1)	KPI	Target (FY2026)
Suppliers	GHG emission reduction (Scope 3)	Supply chain decarbonization	CSCO	Percentage of designated business partners that have introduced renewable energy sources(*2)	60%

Task Force 2 will work with the procurement department to support the reduction of GHG emissions by promoting the use of renewable energy among our suppliers. We have achieved the goals set forth in our ESG Action Plan 2021-2023 and have introduced renewable energy to 40 of our suppliers in FY2023. In our Sustainability Action Plan, we will continue our activities with the goal of decarbonizing our supply chain. We conduct an annual "Supply Chain CSR Survey" among our major suppliers, to which we have added questions on the implementation status of renewable energy and greenhouse gas emissions since FY2021, thereby enhancing the questionnaire on our suppliers' climate change initiatives. Through this questionnaire, we have ascertained the status of suppliers' introduction of renewable energy and provided individual feedback based on analysis and evaluation of the survey results. By means of these activities, we will promote suppliers' use of renewable energy by gaining their understanding of the necessity and importance of reducing greenhouse gas emissions. In addition, in Scope 3 Category 1 (purchased goods/services), the challenge is to break away from the method of calculating GHG emissions, which increases in proportion to the purchase price. We will consider promoting reductions by establishing a calculation method in which the Scopes 1, 2, and 3 values of our suppliers are reflected in the GHG emissions of Scope 3 Category 1 (purchased goods/ services), and by requesting suppliers' cooperation in reducing GHG emissions as listed under Scopes 1, 2, and 3.

(3) Task Force 3: GHG Emissions Reduction Through Collaboration with Our Customers

Task Force 3 will work together with the sales department to promote the reduction of GHG emissions through collaboration with our customers. Through dialogue with our customers, we shared their requirements and expectations for Advantest as their supplier of suppliers as well as their policies and goals regarding climate change. While considering our desires and expectations for their suppliers, we will distill and incorporate them into the roles we ought to play and the issues we ought to tackle through our strategies, and will reflect them in our ESG activities. We will also aim to understand our customers' climate change policies and targets, and contribute to reduction through collaboration with our customers as a member of the supply chain. In addition, in Scope 3 Category 11 (use of sold products), the challenge is to break away from the calculation method of CO₂ emissions that increases in proportion to the number of units sold. We will consider promoting reductions by establishing a calculation method that reflects customers' renewable energy values in Scope 3 Category 11 (use of sold products) and by requesting cooperation in increasing customers' renewable energy installation rates.

(4) Task Force 4: Reduction of CO₂ Emissions in Business Activities (Scope1+2)

ESG Action Plan 2021-2023

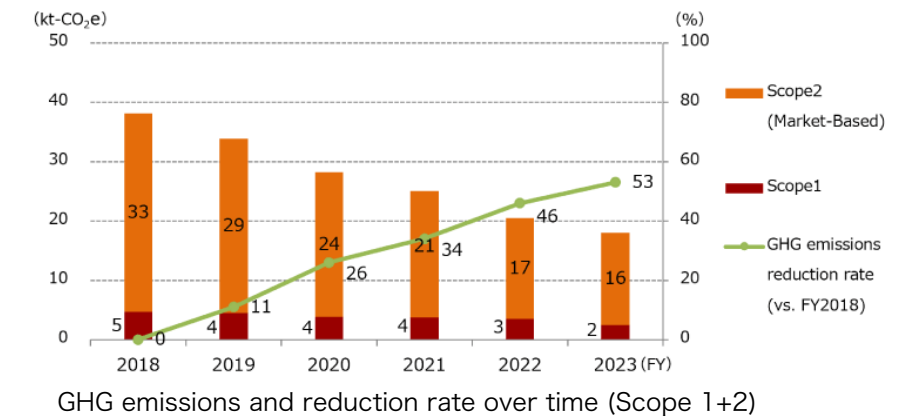
Key Issue	Objective	KPI		2021	2022	2023
Climate change (Scope1+2)	Reduce GHG emissions from business activities by 60% (vs. FY2018)	GHG emissions reduction amount/rate	Target	35%	38%	40%
			Result	34%	46%	53%
	Raise renewable energy usage to 70% by 2030, Group-wide	Coverage rate by renewable energy	Target	50%	53%	55%
			Result	54%	63%	65%

Sustainability Action Plan

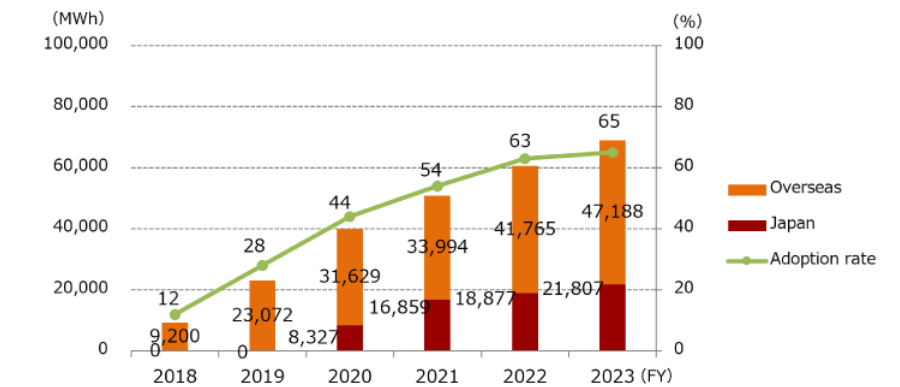
Stakeholder	Key Issue	Objective	Executive in charge ^(*)	KPI	Target (FY2026)
Global environment	GHG emission reduction (Scope 1+2)	Reduction of GHG emissions in Scope 1+2	CSO	GHG emission reduction rate ^(*)	65% (compared to FY2018)
		Introduction of renewable energy	CSO	Renewable energy introduction rate	80%

Task Force 4 aims to reduce GHG emissions from our business activities through the introduction of energy-saving equipment and renewable energy. We have achieved the goals set forth in the ESG Action Plan 2021-2023, achieving a GHG emissions reduction rate of 53% and a renewable energy adoption rate of 65% in FY2023. In our Sustainability Action Plan, we will continue our activities to further raise our previous targets, setting the goals of reducing GHG emissions in Scope 1+2 and introducing renewable energy. In order to

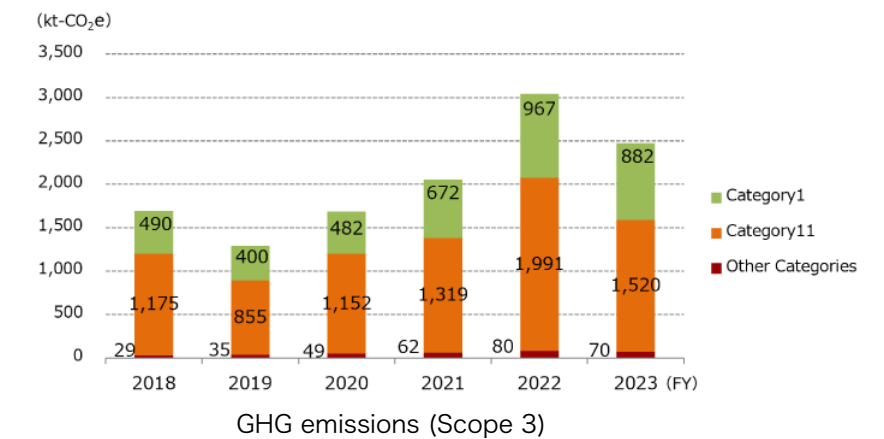
further reduce emissions going forward, we will be expected to introduce more renewable energy, however, the challenge is to introduce renewable energy in regions such as South Korea, Taiwan, and Singapore, where renewable energy supply is inherently limited and difficult to purchase. Through RE100 initiatives, of which we are a member, we expect to encourage governments to increase the supply of renewable energy, while we continue to survey the status of renewable energy in each country to find clues to promote the introduction of renewable energy.



GHG emissions and reduction rate over time (Scope 1+2)



Renewable energy volume and renewable energy introduction rate over time



GHG emissions (Scope 3)

(*1) The list of executives in charge is as described in "Item4 Status of the Company 4. Corporate Governance (2) Directors 1) List of Directors" of the Annual Securities Report.

(*2) Tier 1 suppliers, which represent the top 85% of suppliers in terms of transaction value, are defined as our designated business partners.

Climate change initiatives at our domestic locations

The Gunma Factory switched to renewable energy sources for all electricity use in April 2021

From 2021, 100% of the electricity used at the Gunma Factory is powered by renewable energy sources. Generated by the hydroelectricity facilities on the factory premises, this CO₂-emissions-free renewable energy is produced and consumed locally. The electricity fees for the environmental added value (the increase in fees) will be utilized in future creation initiatives by Gunma Prefecture.



Climate change initiatives at our overseas locations

Sites with renewable energy installations

In an effort to reduce environmental impacts associated with electricity use, Advantest America, Inc. (AAI) has purchased Green Electricity Certificates for wind power generation since 2012. AAI sources approximately 90% of its electricity from renewable energy sources. Furthermore, in 2012, AAI joined the Green Power Partnership of the United States Environmental Protection Agency (EPA), which is an initiative to promote renewable energy, and has contributed to expansion of green electricity.



Tradable Green Certificate (United States)

Advantest Europe GmbH (AEG) has been implementing renewable energy since 2019. AEG has introduced renewable energy sources such as solar power generation, and sourced approximately 100% of its electricity used from renewable energy sources ever since.



Tradable Green Certificate (Germany)

Advantest (China) Co., Ltd. (ATC) has been implementing renewable energy since 2022. ATC has purchased a Green Electricity Certificate for solar power generation, and sourced 100% of its electricity used at the business sites from renewable energy sources.



Tradable Green Certificate (China)

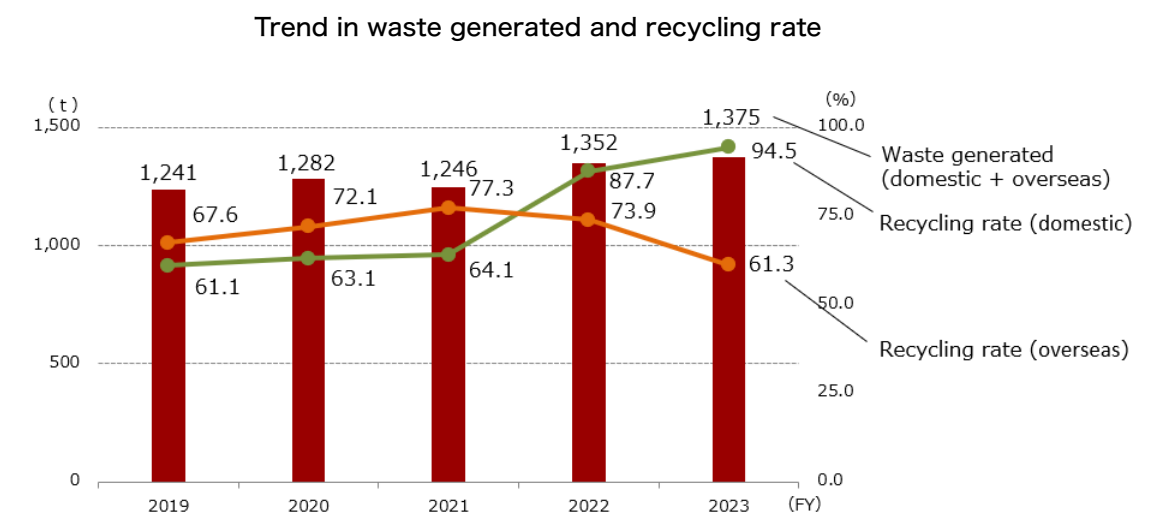
Recycling Resources

The Advantest Group pursues operations encompassing the "3Rs" (reduce, reuse, and recycle) with the aim of realizing a recycling society.

Waste recycle initiatives

The Advantest Group is committed to converting waste into valuables by reinforcing the initiative we launched in FY2009 to separate components. We ensure strict compliance in these activities.

In disposing of waste (including packaging materials) generated in our business activities, we clearly indicate to our outsourcing contractors the disposal method for each classification as per the relevant laws (including local laws and regulations) to ensure proper disposal and recycling by material type.



Data range for tabulation: Advantest Group data

* The amount of waste generated, and the amount of waste recycled in Japan were calculated excluding valuable materials.

* We found, through an inquiry to a waste disposal contractor, that some generated waste which had been allocated to the recycled quantity was not in fact recycled. We have recalculated and restated the past figures accordingly.

Realizing a New Circulation Cycle with the Introduction of a Recycling Equipment

Advantest has installed a recycled paper manufacturing machine from 2020, which can produce new paper from used paper such as rejected documents. With this machine, most of the confidential documents to be disposed, which were hitherto collected and sent to a contractor for disposal, will be processed in-house, and given "new life" by being recycled into paper and made use for various purposes, such as business cards.

We also made notebooks using recycled paper and gave them as gifts to local elementary school students who visited our biotope for nature observation events, as well as to special-needs school students and teachers who paid a visit during our company tours. These help in view of our social contributions by providing teaching materials for learning applications.

The equipment is operated by our employees with disabilities. It will also create more opportunities for people with disabilities to play an active role in the company. Once they embark upon their careers and showcasing their active roles as members of the Advantest Group will prove to be a way to repay their alma mater. With the introduction of the new paper manufacturing machines, Advantest has realized a new circulation cycle through various aspects such as environmental commitment, employment of people with disabilities, and educational support.

For more information on employment of the disabled, please refer to "Efforts to Promote Diversity".



Notebooks made from recycled paper



Operating the recycled paper manufacturing machine

Proper Disposal of Waste Plastics and Material Recycling

Advantest has been recycling all waste plastics at business locations in Japan.

At its Gunma Factory, trays and magazines, which are used as parts containers, are disposed of as waste plastics.

Individual employees check the recycling identification mark on each container to sort containers containing PVC.

This allows waste plastics to turn into the main raw material for RPF (Refuse Paper & Plastic Fuel), which is a high-quality solid fuel.

Waste plastics containing PVC are crushed, incinerated, and recycled as molten slag, which is used mainly as roadbed material.



Proper Disposal of Equipment Containing PCB

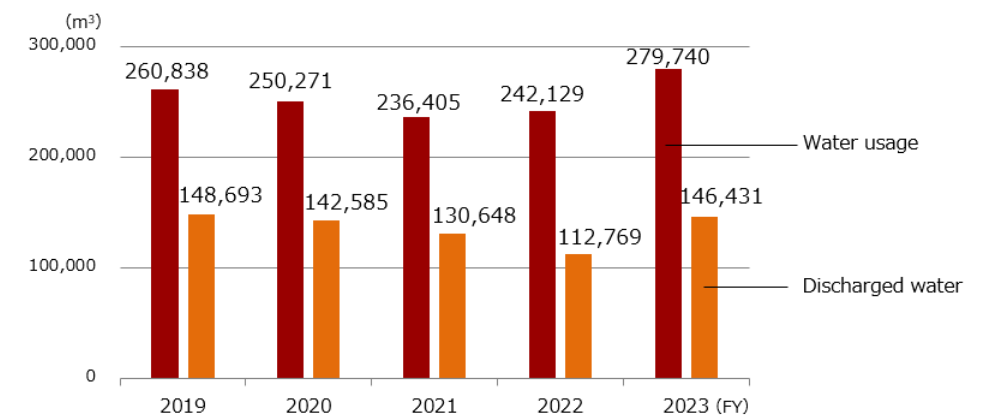
Advantest owned three capacitors, fluorescent lights, and stabilizers that contained polychlorinated biphenyls (PCBs), but all pieces of the equipment that contained PCBs were properly disposed of during FY2017.

Effective Use of Water Resources

Advantest's main usage applications of its water resources are the operation of air conditioners, kitchen use, toilet cleaning, and drinking. At our main bases, we use water for industrial use efficiently. In addition to using this water for cleaning the toilets, we also use it with roof-mounted sprinklers to improve cooling in the summer. Advantest is also filtering drinking water and using ultra-pure water at some business establishments. It should be noted that approximately 90% of the discharged water produced by Advantest Group is classed as domestic sewage. Currently, domestic sewage and rain water cannot be recycled.

Of course, every member of our staff takes care not to waste water, and strives to make effective use of our water resources.

Trend in water usage/discharged water



Data range for tabulation: Advantest Group data

Initiatives on Environmental Risk Management

This page introduces our various initiatives for ensuring legal compliance in all our business activities, reducing their environmental impact, and so forth.

Management of Legal Compliance Regarding Environmental Impacts

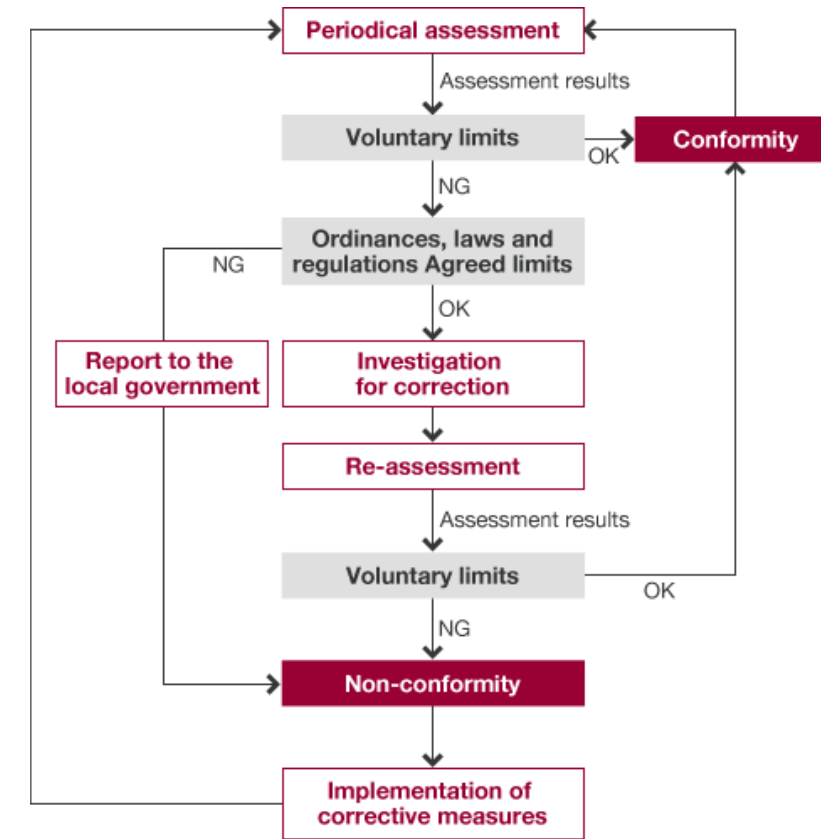
Basic Policy for Environmental Risk Management

The Advantest Group sets voluntary standards more stringent than prevailing environmental laws and regulations, and implements such standards in the course of operating equipment that could potentially impact the environment, and in monitoring and assessing those operations.

Furthermore, to ensure that we can respond without hesitation should an environment-related incident occur, we have established rules for addressing such risks, stipulated in documented operating procedures and chemical substance emergency-response procedures and other such guidelines, and have put management systems in place related to those rules.

Moreover, our employees and contractors handling particularly high-risk operations regularly take part in specialized training and emergency drills, which are conducted to ensure that they are able to act swiftly in the event of an emergency.

Compliance management at business sites



In fiscal 2023, there were two cases which exceeded our voluntary standards for water quality. The two cases were restored to within the standard values as a result of immediate corrective measures. There were no cases which exceed our voluntary standards for air quality.

Items	Boundary	FY2019	FY2020	FY2021	FY2022	FY2023
Emissions into the atmosphere	Japan	0	0	0	0	0
Waste water to water area	Japan	0	0	0	0	2

Management of Chemical Substances

Basic Policy for Chemical Substance Management

We are working to ensure safety management and compliance with laws and regulations in the use and storage of chemical substances used at Advantest Group business locations.

To this end, we have adopted a chemical substance management system. This system facilitates chemical substance registration, reviews, input/output control, and the calculation of data required by relevant laws and regulations, as well as making the safety data sheets (SDS) that are necessary for the safe handling of chemical substances available at any time.

In addition, in order to realize strengthened risk management and chemicals substance management, we are constructing a safety training system, and are conducting audits and providing guidance through the corporate chemical management division to ensure the safety of stored chemical substances, so as to further enhance our safety control system.

Improving Chemical Substance Management: "Aiming for More Precise Management"

At Advantest Group, we manage the chemical substances that we use by container through our chemical substance management system. Based on the chemical substances management level specified under the PRTR Law, the Poisonous and Deleterious Substances Control Law, the Industrial Safety and Health Law and other laws and regulations, we have established a classification system of management ranks and set the management method according to each rank, with the aim of having a flexible system.



Strict chemical controls

Furthermore, in response to the revision of laws and regulations, Advantest built and executed a system for the risk management of chemical substances which had become a requirement as of June 2016.

Adopting the High-precision Management Methods in Line with the Different Level of Risks Posed by Different Chemical Substances

We implement training in chemical substance handling for Advantest Group employees, ensuring that employees understand how to handle particular types of chemical substances and are aware of the key points to note regarding their use. Management procedures are simplified for chemical substances that are less hazardous, and autonomous management is implemented with respect to commercially-available sprays, adhesives, etc.



Controls applied to each and every container

Chemical substance control ranks

Rank	Conditions for application	Locked storage	Dispensary control	Inventory checks
4	Some chemical substances are extremely toxic or have a profound social impact, so registration with the government, etc., is necessary to handle them. Examples: narcotics, stimulants, etc.	Yes	Yes	As required by law
3	Some chemical substances are highly toxic, so any loss must be reported. Examples: poisons, deleterious substances, etc.	Yes	Yes	Twice annually
2	Some chemical substances are inflammable, corrosive, or poisonous with prolonged exposure. Examples: organic solvents, acids, alkalis, etc.	Yes	Yes	Twice annually
1	Some chemical substances are not very harmful, but since a large amount is used, control is necessary. Examples: solder paste, PFAS, etc.	-	Yes	Twice annually
0	Some chemical substances are not very harmful and do not warrant special control. Examples: some adhesives, grease, lubricants, paint, lead-free solder, wire solder, bar solder, sprays (spray oil, cooling spray), etc.	-	-	-

In line with this management approach, proper after-use treatment will be followed, such as making a request to a waste treatment company.

Efforts to Address PFAS

Efforts to Eliminate PFAS Coolant in New Products

Advantest has set the "development of products that are free from polluting substances" as one of the goals of the ESG Action Plan. We upheld the total abolition of PFAS coolant by fiscal 2030 as our KPI, and instead adopt water as the coolant to be used in next-generation testers. In fiscal 2022, we confirmed the cooling performance and durability of the indirect cooling technology using water. New products incorporating this technology are scheduled to be shipped from fiscal 2024.

The Challenges of Supplying PFAS Cooling Fluid

While we aim to eliminate PFAS cooling fluid, we are tasked to address the challenges of supplying PFAS cooling fluid for our current models.

To this end, the following measures continue to be taken by working cross-sectionally throughout the organization.

- Evaluation of alternatives to PFAS cooling fluid currently in use
- Procurement risk measures by the Production Group for PFAS cooling fluid

* PFAS is not a name of a specific chemical substance, but an acronym for "Per- and PolyFluoroAlkyl Substances".

Efforts to Monitor Emissions

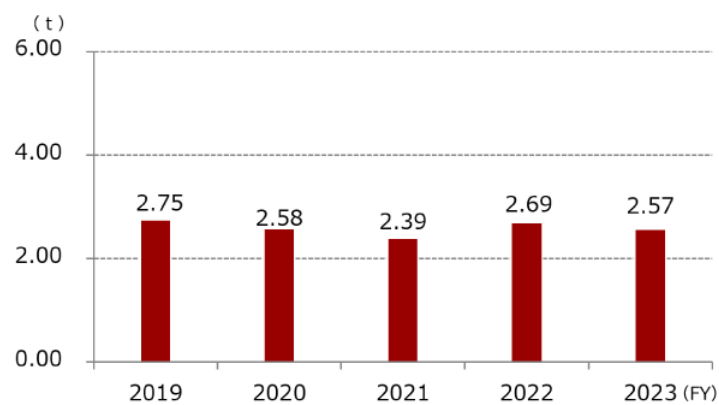
Efforts to Reduce VOC (Volatile Organic Compounds) Emissions

VOC substances are considered as substances that produce photochemical oxidants and suspended particulates. Facilities using a large amount of VOC are obligated by Article 17-13 of the Air Pollution Control Act to monitor VOC emissions into the atmosphere that are attributable to their business activities and take the measures that are necessary to reduce the emissions.

VOC is not used much in the electrical and electronic industry. However, the Ministry of Economy, Trade and Industry has requested companies to take voluntary measures to reduce VOC emissions, as we also cooperated in the survey from 2005 to 2020 representing the four electrical and electronic industry groups (JEMA, CIAJ, JEITA, and JBMIA).

These surveys cover 20 substances that are often used in the electrical and electronic industry. Advantest does not use them in large quantities, but has been conducting surveys on the consumption of these substances and report it as required.

VOC data



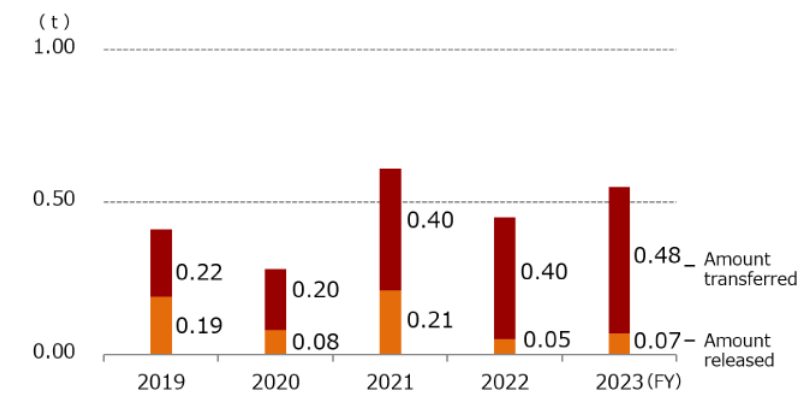
Data range for tabulation: Advantest Group (Japan) data

* Substances tabulated here are VOCs subject to surveys by Japan 4EE.

PRTR Report

According to the Law Concerning Pollutant Release and Transfer Register, Advantest has been submitting reports to the government under the Pollutant Release and Transfer Register (PRTR) system.

PRTR data



Data range for tabulation: Advantest Group (Japan) data

* The table includes PRTR controlled substances whose annual amount of use was below the amount required to be reported.

Implementation of General and Specialist Chemical Substance e-learning Education

Used inappropriately, even familiar chemical substances may cause unexpected accidents and environmental pollution. We provide the general chemical substance education program to all our domestic employees in order to help them understand how to reduce such risks.

The specialist chemical substance education program is provided to employees who use chemical substances in their daily work. The purpose of this annual e-learning program is to raise awareness of the dangers and harmfulness of chemical substances as well as to promote the safe handling thereof through practical learning content.

In this program we explain things simply, using examples of accidents, regarding chemical substances regulated under the main laws such as poisons, deleterious substances, organic solvents, specific chemical substances, hazardous materials covered by the Fire Services Law, etc.

In fiscal 2023 we conducted general education for all new employees in Japan and specialist training for 271 employees who handle chemical substances.



Materials used in training on chemical substances

Content

- The danger of chemical substances (effects on the human body)
- The importance of safety training for chemical handlers
- The importance of wearing personal protective equipment (gloves, goggles, masks, etc.)
- Points to be observed according to the requirements of the law
Special medical diagnosis, selection of a work leader, environmental measurement, inspection of ventilation equipment, notification of designated hazardous materials specified under the Fire Services Law, etc.

Involving Our Business Partners

Green Procurement/Initiatives Related to Regulations for Chemical Substances Contained in Product

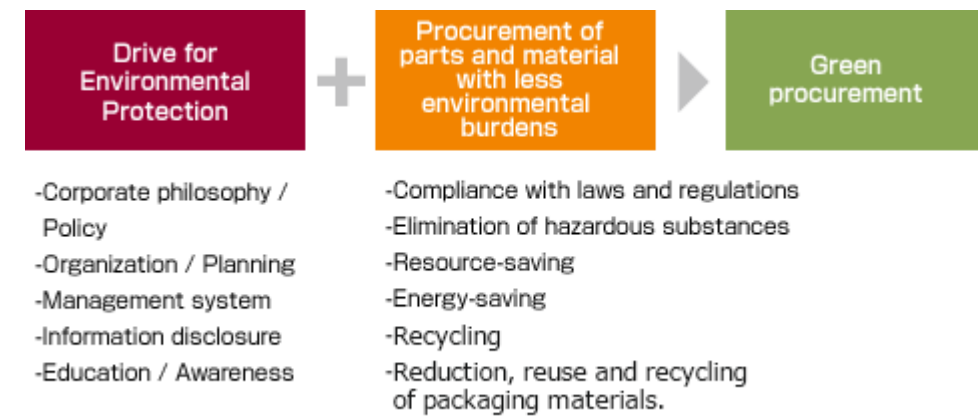
At Advantest we are striving to eliminate hazardous substances across our manufacturing activities including suppliers of components and assembly and processing partner companies, and wish to connect this to the development of green products. We engage in communication with our business partners, and formulated the Advantest Green Procurement Guidelines in fiscal 2002 to facilitate this process. We operate according to these guidelines in order to give consideration to the environmental aspects in addition to quality, cost, and delivery throughout the whole process of production, including the purchasing of components and materials that are used for our products. Changes to the guidelines, if any, are notified to our suppliers via the electronic transaction and technical information exchange system (portal site) seeking for their cooperation.

We have created a database from the environmental information we received from our suppliers, and are utilizing it to promote eco-friendly product manufacturing, along with the implementation of product environmental assessments.

Advantest has also concluded the General Specification for the Environment(GSE)* with our suppliers as a contract for the same measures even at overseas bases to eliminate the chemical substances contained in products and to identify substances that need to be reported.

* The GSE provides Advantest's general requirements for restricting or prohibiting certain substances as constituents of parts, components, and materials in products and packaging purchased by Advantest worldwide, including specific reporting and labeling requirements.

The Principles of the Green Procurement



[PDF Advantest Green Procurement Guidelines \(PDF 169KB\)](#)

Component Registration in Green Procurement

Regarding component registration, we are conducting environmental surveys for procured components using our environmental survey questionnaire with cooperation from our suppliers, based on the operation standard for chemical substances used in Advantest products. We investigate the components to find out if they contain chemical substances that can burden the environment, and promote green procurement initiatives to reduce environmental impact.

Banned and Restricted Substances

We have established the aforementioned operation standard for chemical substances used in Advantest products based on IEC62474* and use it in surveys on the use of hazardous substances in components used and to determine whether or not to adopt the components.

* IEC62474: Material Declaration for Products of and for the Electrotechnical Industry
(See : <http://std.iec.ch/iec62474>)

Survey of Suppliers on Hazardous Substances

Starting with the RoHS Directive, there have recently been additions and revisions of electrical and electronic regulations. On February 6, 2023, Advantest, in line with the revised IEC62474, revised its questionnaire on hazardous substances and informed our business partners.

Compliance with the Environmental Regulations in Each Country

In complying with environmental laws and regulations, the Advantest Group is working towards eliminating the use of hazardous materials while also pursuing environmental conservation efforts that involve reducing the consumption of energy and resources. More specifically, we have been working with our suppliers since the autumn 2003 on initiatives to investigate and eliminate the use of restricted hazardous materials. We are in compliance with the European RoHS Directive*.

Collaboration with Overseas Subsidiaries

Advantest has organized a global team among those overseas bases that have R&D departments (Japan, Germany, USA) since the middle of 2020, and has built a system to work on compliance with laws and regulations related to environment, quality, and safety of our products.

Currently, we hold regular global meetings to agree to and unify our recognition as an Advantest Group. Based on this understanding, each subsidiaries promotes the drafting and implementation of environmental law education materials for local engineers according to the product groups.

Chemical Substances Contained in Product

EU-RoHS

Advantest's semiconductor Test system, Test handler are classified as Large-Scale Stationary Industrial Tools (LSSIT) under the EU-RoHS, and as such are exempt from the directive's provisions. Nevertheless, on the basis of our commitment to environmental conservation, we will continue to work towards continuing elimination of hazardous substances from these product lines.

* The European RoHS Directive and its revision stipulate ((EU) 2015/863) restrictions on the use of specified hazardous substances contained in electric and electrical devices in Europe; inclusion of the following substances (10 such substances are used for our products as of July 22, 2021) in excess of the maximum allowed limits is prohibited, except for exempted purposes.

- Lead (Pb)
- Hexavalent chromium (Cr VI)
- Mercury (Hg)
- Polybrominated biphenyl (PBB)
- Cadmium (Cd)
- Polybrominated diphenyl ether (PBDE)
- Bis phthalate (2-ethylhexyl) (DEHP)
- Dibutyl phthalate (DBP)
- Butyl benzyl phthalate (BBP)
- Diisobutyl phthalate (DIBP)

China RoHS

The China RoHS outlines the following items for selling products, which contain the same 6 substances set out in the first EU RoHS directive, within China: (1) identification marks (on the product) of whether or not it contains specified hazardous substances; (2) indication of environment-friendly use period (on the product); (3) description of the type, region, and amount of hazardous substances contained (in the product manual); (4) labeling of packaging materials (on the packaging materials themselves); and (5) year and month of production.

Advantest has established a system to assure that these labels are reliably displayed in products to be shipped for China.

REACH Regulation

REACH is a regulation of the European Union, which stands for Registration, Evaluation, Authorization and Restriction of Chemicals. REACH places the burden of proof on companies, where they are obliged to register, submit documents, and report on the linked to the substances they manufacture or import in the EU with a total amount of 1 ton or more per year to the European Chemicals Agency. Advantest's products or "molded articles" are exempt from REACH's provisions as said; however, candidates for substances of very high concern (SVHC) must be reported upon request.

Advantest products may contain the following SVHC:

- Diarsenic pentaoxide
- Diarsenic trioxide
- Boric acid
- Hexavalent chromium compound
- Disodium tetraborate, anhydrous
- Lead chromate
- Bis (2-ethylhexyl) phthalate (DEHP)
- Dibutyl phthalate (DBP)
- Butyl benzyl phthalate (BBP)
- Diisobutyl phthalate (DIBP)
- 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)
- Zirconia aluminosilicate, refractory ceramic fibers
- Trixylyl phosphate (2-chloroethyl) (TCEP)
- 4- (1,1,3,3-tetramethylbutyl) phenol
- Bis (2-ethylhexyl) phthalate (DEHP)
- Sulfurous acid, lead salt, dibasic
- 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)
- Pentalead tetraoxide sulphate
- Boric anhydride
- N,N-dimethylformamide
- Diisopentyl phthalate (DIPP)

- N-pentyl-isipentyl phthalate
- Lead titanate, lead titanium trioxide
- Lead titanate zirconate
- Lead oxide sulfate
- (Phthalato (2-))dioxotrilead
- Di-n-hexyl phthalate (DnHP)
- Methylhexahydrophthalic anhydride
- Cadmium
- Cadmium oxide
- Dipentyl phthalate (DPP)
- 4-Nonylphenol, branched and linear, ethoxylated
- Cadmium sulfide
- Trixylyl phosphate
- Imidazolidine-2-thione, 2-imidazoline-2-thiol
- 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoic acid 2-ethylhexyl (DOTE)
- 2-(2H-benzotriazol-2-yl)-4,6-di-tert-pentylphenol (UV-328)
- 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters, mixed decyl and hexyl and octyl diesters
- Benzo[def]chrysene (Benzo[a]pyrene)
- Dicyclohexyl phthalate (DCHP)
- 4,4'-isopropylidenediphenol (BPA)
- 1,6,7,8,9,14,15,16,17,17,18,18Dodecachloropentacyclo[12.2.1.16.9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™)
- Octamethylcyclotetrasiloxane (D4)
- Decamethylcyclopentasiloxane (D5)
- Dodecamethylcyclohexasiloxane (D6)
- Terphenyl, hydrogenated
- Lead
- 2,2-bis(4'-hydroxyphenyl)-4-methylpentane
- Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with >= 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)
- Tetraboron disodium heptaoxide hydrate
- Dioctyltin dilaurate, stannane, dioctyl-, bis(cocoacyloxy) derivatives, and any of the other stannane, dioctyl-, bis(fatty acyloxy) derivatives, wherein C12 is the predominant carbon number of the fatty acyloxy moiety
- 4,4'-(1-methylpropylidene)bisphenol
- Medium-chain chlorinated paraffins (MCCP)
- 4-nonylphenol (branched and linear)
- 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol

Regarding the California Law "Regulation of Handling Perchlorates"

Businesses who manufacture, distribute, sell, use, dispose of perchlorates (containing 6 ppb perchlorate or more) for resale or use in California, and when exporting to California need to ensure that these perchlorates are properly labeled on their individual packaging boxes and carrier boxes (for shipping packaging). The majority of perchlorates are lithium-ion batteries, which are already labeled on our products.

The following label or mark is necessary

Perchlorate Material - special handling may apply, See www.dtsc.ca.gov/hazardouswaste/perchlorate.

The following Advantest products may also contain perchlorate.

Test System	T Series, B Series, and H series
Test Handler	M Series
E-Beam Lithography and SEM Metrology/Review	F Series and E Series
Terahertz Analysis System	TAS7 Series and TS Series
Leading Edge Product	WM Series (AirLogger) and HA Series

Regarding the California Law "Proposition 65"

Proposition 65 is a law that protects the citizens of California from serious exposure to chemical substances that are known to trigger cancer, congenital anomalies or reproductive disorders.

The law requires companies and people conducting business in California to provide clear and reasonable warnings before knowingly and purposely exposing California's citizens to chemical substances on the Proposition 65 list.

Although Advantest products may contain chemical substances that are included in the Proposition 65 list, there is no risk of human exposure through skin contact, ingestion or inhalation if the products are used according to Advantest recommendations.

For this reason, Advantest has deemed that a warning label stating that a product contains chemical substances listed in Proposition 65 is unnecessary.

Based on customer requests, we can offer information on chemical substances included in Advantest products that are listed in Proposition 65.

Furthermore, as there is a risk of exposure to the chemical substances listed in Proposition 65 when handling Advantest products in a way that is not recommended by us, such as destroying or shattering the products, we recommend taking measures such as wearing dust masks, protective gloves, and ventilating to alleviate and reduce any risk of exposure.

Environmental Communication

This page introduces our environmental contributions and activities for biological diversity conservation.

Environmental Initiatives

Basic Policy on Environmental Information Disclosure

The Advantest Group discloses information on environmental burdens and environmental protection activities by including such information in our reports and website, holding exhibitions, and so forth.

We believe it is important to share environmental information with our stakeholders and to reflect such information in our environmental management in order to continuously grow as a company without compromising our integrity.

We also engage in communication with local communities through various environmental protection activities.

Number of environmental compliance initiatives

	FY2019	FY2020	FY2021	FY2022	FY2023
Complaints from stakeholders	0	0	0	0	0
Serious violations of environmental laws	0	0	0	0	0

* Aggregation scope: Advantest Group

Environmental Information Disclosure

[Publication of the Sustainability Report](#)

Environmental Contribution Activities

We endeavor to foster communication with a variety of stakeholders through environmental contribution activities.

Food recycling

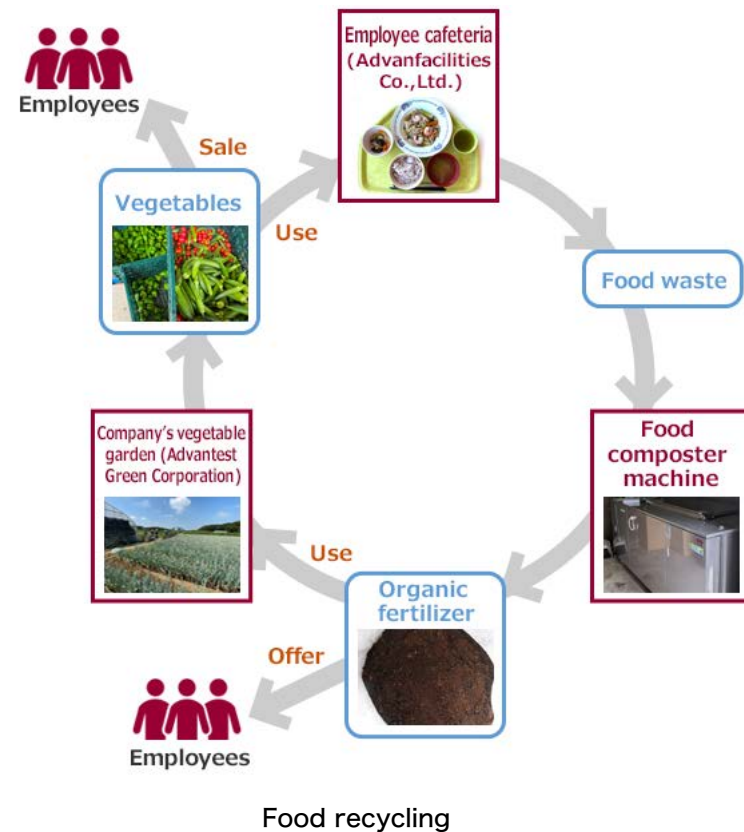
Having updated the food composter machines in September 2020, the Gunma R&D Center engages in food recycling by composting kitchen waste from the employee cafeterias of three facilities in Gunma and Saitama prefectures. Processed garbage is converted into compost, which is provided to interested employees free of charge. After the compost matures, it is used to grow vegetables on



Our farm on the premises of the Gunma R&D Center

our farm, which stretches over approximately 2,000m² of the premises of the Gunma R&D Center. On our farm, employees of Advantest Green grow pesticide-free vegetables throughout the year, and harvested vegetables are used in dishes served at the cafeterias run by Advanfacilities. We also make these vegetables available to our employees to purchase.

Advantest thus promotes employee health while reducing food waste and implementing food recycling in collaboration with affiliated companies.



MSC/ASC Certified Sustainable Seafood Served at Employee Cafeterias

In February 2021, Advantest joined a group which acquired Marine Stewardship Council (MSC) / Aquaculture Stewardship Council (ASC) Chain of Custody (CoC) certification for using MSC/ASC sustainable seafood at four of our bases: Advanfacilities Office, Gunma R&D Center, Gunma Factory, and Saitama R&D Center.

Currently, the employee cafeterias at our three offices in Gunma and Saitama regularly offer menus using sustainable seafood, contributing to the sustainability of fishery resources. In fiscal 2023, although it was difficult to provide new ingredients due to soaring purchase prices, we offered the menu every month by devising a variety of ways to creatively arrange the menu, such as by changing the flavors of the ingredients. As a result, a total of 1,653 employees ate sustainable seafood being offered, an increase of approximately 200 from the previous year. Being accustomed to sustainable seafood in the employee cafeteria has led our employees to make SDGs-conscious choices, such as purchasing marine products with the MSC / ASC certification label at supermarkets in our daily lives.



An example of a sustainable seafood menu



ASC-C-02276-075



MSC-C-57334-075

Environmental Impact Assessment

Advantest records and assesses the environmental burden on the area surrounding its business establishments, such as office waste water, in accordance with ordinances and pollution control agreements. In addition, we are managing plants and cultivating biotope at our business establishments while considering biodiversity.

[Advantest's biotope](#)

Initiatives for Biodiversity

The Advantest Group's Guidelines of Action for Biodiversity

To show our gratitude for the gift of nature created by biodiversity, and to recognize the significance of biodiversity in supporting the prosperity and the wellness of our society, the Advantest Group will carry out initiatives in conserving biodiversity and in contributing to the sustainable use of biological resources.

1. Understanding Environmental Impact

We identify, evaluate and share information on any aspect that may have a significant impact on biodiversity in the entire lifecycle of our business activities.

2. Understanding Biodiversity

We increase awareness and understanding of biodiversity among all employees so that they are able to engage in activities that give consideration to biodiversity in their business activities and daily lives.

3. Reduction of Environmental Impact

By seeking highly effective measures, and by carrying them out continuously, we reduce the impact of our business activities on biodiversity.

4. Cooperation with Stakeholders

We cooperate with a variety of stakeholders such as the government, educational organizations, NPOs, local residents and our business partners to promote activities related to the conservation of biodiversity.

Participation in the 30by30 Alliance for Biodiversity

Since April 2022, Advantest has joined the [30by30 Alliance for Biodiversity](#), a coalition of volunteer companies incorporated in the 30by30 Roadmap formulated by the Ministry of the Environment.



[30by30, 30by30 Alliance](#)

[15th meeting of the Conference of the Parties to the UN Convention on Biological Diversity \(CBD-COP15\)](#)

Biotope

Reflecting our commitment to living in harmony with nature, Advantest established a biotope in Gunma R&D Center in 2001 with the aim of helping to recreate the original, natural landscape of the Kanto Plain, a landscape that is being lost to development. This biotope, with a total area of 17,000 m², is one of the largest of its kind established by any private company in Japan.

Advantest's biotope provides a venue in which Advantest employees can learn about the importance of protecting the global environment; the biotope is also used as a way to foster communication with local residents. More than 20 years have passed since the establishment, and the biotope now has an optimal environment for preserving the local ecological system and is playing a great role in protecting and growing threatened species. In addition, Advantest's biotope provides an ideal environment for achieving an SDG target, "Goal 15: LIFE ON LAND".

* Biotope: This word combines the Greek words "Bio", which means life, and "Tope", which means a place.



Front side of biotope



Biotope seen from the sky

[Advantest's biotope](#)

Biotope videos released

In fiscal 2022, Advantest produced four videos showcasing our biotope and releases them on our website. The videos introduce the biotope that is rich in nature, with beautiful aerial images taken by a drone of the indigenous flora and fauna that live there. These images help communicate the biodiversity of our biotope, that leads to securing a nature-positive world, to our stakeholders in an easy-to-understand manner.

Please click on the Biotope Quarterly link below to watch the biotope videos.

[Biotope Quarterly](#)

Place for the protection and cultivation of valuable plants

Since its establishment in 2001, our biotope has been dedicated to research on, protection of, and cultivation of the animals and plants that live there as well as the extermination of alien species under the guidance of Gunma University. We also utilize our biotope in our efforts to protect and cultivate Eupatorium

japonicum and floating heart, which are national near-threatened species and Gunma prefectural IA endangered species.

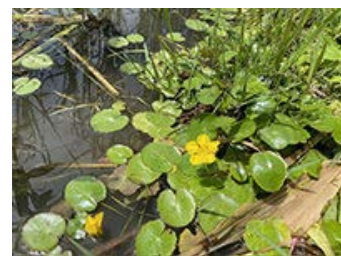
With regard to *Eupatorium japonicum*, there are only five places where it grows naturally in Gunma Prefecture, one of which is Advantest's biotope. Advantest has been continuing these protection and cultivation activities for many years, which have led to the creation of an environment that enables the stable natural cultivation of the native plant.

With regard to floating heart, there is only one place where it grows naturally in Gunma Prefecture, and Advantest's biotope has been used as an evacuation shelter since 2012, where floating hearts grow steadily.

Moreover, from fiscal 2019, Advantest implemented emergency protection measures for native *Amsonia elliptica*, which were specified as a threatened species (IA) in Gunma Prefecture, and started protection and cultivation activities for them.



Eupatorium japonicum



Floating hearts



Amsonia elliptica

Results of Monitoring the Floral Biodiversity in 2023 in Joint Research Project with Gunma University

Collaborating with Professor Shin-ichi Ishikawa, Faculty of Informatics, Gunma University, we have been monitoring the floral biodiversity of our biotope annually since 2001. In the 2023 survey, 158 plant species (120 native and 38 non-native) were found to be growing in the biotope, indicating that the flora is being maintained in a stable manner. An endangered species, *Eupatorium japonicum* have been growing naturally in the biotope, but it did not flower in these years because of heavy grazing by some insects and small animals. To protect the plants, we set a plastic net in 2022 and 2023. Then one and three plants flowered respectively. The plant's seeds collected in 2022 were sown and germinated. The seedlings are now under cultivation.



Blooming *Eupatorium japonicum*.
In the background is a net protecting the flowers.

We also estimated the rate of carbon fixation by the biotope forest as the same manner in 2022, and suggested that 2.46 tons/year of carbon must be added to the biotope carbon stock.

Goshawks Identified in the Biotope

In January, we identified goshawks, birds of prey and top predators. There were two goshawks when we identified them, who were thought to be a pair. Since goshawks begin nesting around January, they may have been looking for a place to build a nest. The fact that the goshawks, which are at the top of the ecological pyramid, were flying in this region indicates that the ecosystem in this region is stable and that our biotope is making a significant contribution to the preservation of biodiversity.



A goshawk flying to the biotope and resting in the pond.

Article Published on Factory Management, A Magazine Published by The Nikkan Kogyo Shimbun, Ltd.

We contributed an article on our contributions in our biotope to the March 2024 issue of the industry magazine, FACTORY MANAGEMENT, published by the Nikkan Kogyo Shimbun, Ltd.. With "Using a large biotope to contribute to social sustainability" as its title, the article covered various initiatives, including the protection and cultivation of endangered plants, the calculation of carbon fixation rate, and the implementation of construction work to suck up the mud from the bottom of the biotope pond.