

Environment

Basic stance


For realization of sustainable society, Aisin will bring smiles to region and the future by contributing to the resolution of global environmental issues with groups superior technologies, services and products from automobiles, structure, and energy related.

Each employee at Aisin is seriously concerned about environmental issues, such as climate change and resource depletion and aims to establish a society where people can live with a peace of mind and in harmony with the nature, in order to pass a sustainable environmental on to the future.

Policy

In order to realize the Aisin philosophy of “Inspiring ‘Movement,’ Creating Tomorrow,” we will pursue the harmonious coexistence of people and the environment far into the future and the creation of a sustainable society through business activities, such as manufacturing, based on the three views of “Be proactive, make change,” “Raise individuals, expand dreams,” and “Advance, build the future.”

We will make this policy known to all the employees at our business sites around the world, strive for lofty goals, and actively disclose information on our efforts and results.

 Aisin Consolidated Environmental Policy

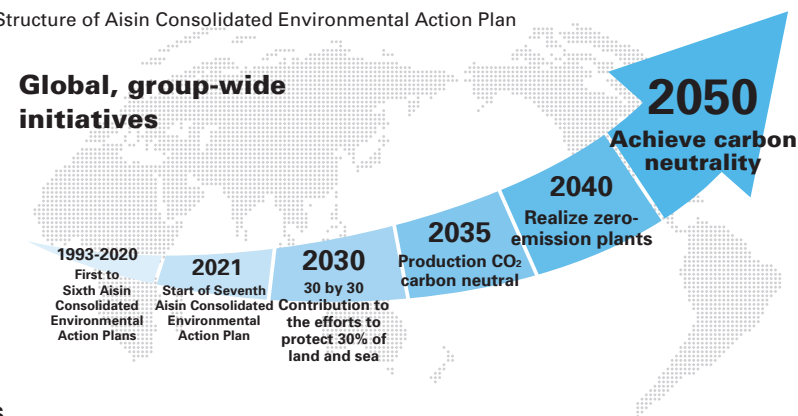
Vision Vision for 2050

Aisin has been formulating Aisin Consolidated Environmental Action Plans that indicate specific actions every five years since 1993 to promote its environmental activities.

In 2020, Aisin formulated the Seventh Aisin Consolidated Environmental Action Plan (targeting 2025), which clarifies specific actions derived backward from the ideal situation that it wants to achieve in 2050. We are conscious of our responsibility to achieve the targets and initiatives in the plan, and will work steadily to achieve our targets and play our part in building an environmentally sustainable future.



Structure of Aisin Consolidated Environmental Action Plan



Implementation frameworks

Organizational diagram of Consolidated Environmental Committee



Environment

Seventh Aisin Consolidated Environmental Action Plan (targeting FY2026)

Aiming to build an environmentally sustainable future and a society where everyone can live with peace of mind in harmony with nature, the AISIN Group formulated the Seventh Aisin Consolidated Environmental Action Plan in 2020 as our environmental action guidelines and plan for fiscal years 2022 to 2026, and it started working under the Plan from fiscal 2022. We are conscious of our responsibility to achieve the targets and initiatives in the plan, and will work steadily to achieve our targets and play our part in building an environmentally sustainable future.



Establishment of a zero carbon society

2050 Vision Aim to realize carbon neutrality

Initiatives	Implementation items and targets										
1 Reduction of life cycle CO ₂ emissions	<ul style="list-style-type: none">■ Building of a foundation to reduce life cycle CO₂ emissions, from purchasing materials to disposal<ul style="list-style-type: none">● Setting of concrete measures for reduction of CO₂ emissions throughout entire supply chain										
2 Reduction of CO ₂ emissions from product design	<ul style="list-style-type: none">■ Reduction of CO₂ emissions with life cycle assessment through products<ul style="list-style-type: none">● Development of auto parts for clean energy vehicles (PHEVs, BEVs, FCEVs)● Development of higher performance powertrains and technologies to increase fuel efficiency by making car bodies lighter, etc.● Development of next-generation energy system products (use of fuel cells and biofuels) <table><tr><th>Trainees</th><th>Scope</th><th>KPI</th><th>Base year</th><th>Target</th></tr><tr><td>Product</td><td>Global</td><td>Total amount</td><td>FY2014</td><td>18% reduction</td></tr></table>	Trainees	Scope	KPI	Base year	Target	Product	Global	Total amount	FY2014	18% reduction
Trainees	Scope	KPI	Base year	Target							
Product	Global	Total amount	FY2014	18% reduction							
3 Reduction of CO ₂ emissions from production	<ul style="list-style-type: none">■ Further promotion of daily kaizen activities■ Active introduction of the latest energy saving technologies when a plant is newly built and equipment is updated■ Establishment of a mechanism to share information of energy saving knowhow globally <table><tr><th>Trainees</th><th>Scope</th><th>KPI</th><th>Base year</th><th>Target</th></tr><tr><td>CO₂ emissions from production</td><td>Global</td><td>Total amount</td><td>FY2014</td><td>25% reduction</td></tr></table>	Trainees	Scope	KPI	Base year	Target	CO ₂ emissions from production	Global	Total amount	FY2014	25% reduction
Trainees	Scope	KPI	Base year	Target							
CO ₂ emissions from production	Global	Total amount	FY2014	25% reduction							
4 Introduction of renewable energy for production process	<ul style="list-style-type: none">■ Active use of renewable energy in response to regional characteristics■ Development of a roadmap for applying the use of renewable energy to overseas plants■ Use of renewable energy at model plants <table><tr><th>Trainees</th><th>Scope</th><th>KPI</th><th>Target</th></tr><tr><td>Renewable energy</td><td>Global</td><td>Introduction rate (power ratio)</td><td>FY2026 15% or more</td></tr></table>	Trainees	Scope	KPI	Target	Renewable energy	Global	Introduction rate (power ratio)	FY2026 15% or more		
Trainees	Scope	KPI	Target								
Renewable energy	Global	Introduction rate (power ratio)	FY2026 15% or more								
5 Reduction of CO ₂ emissions from distribution	<ul style="list-style-type: none">■ Transportation efficiency by further expanding joint transportation among Group companies <table><tr><th>Trainees</th><th>Scope</th><th>KPI</th><th>Base year</th><th>Target</th></tr><tr><td>Logistics CO₂</td><td>Consolidated subsidiaries in Japan</td><td>Total amount</td><td>FY2019</td><td>7% reduction</td></tr></table>	Trainees	Scope	KPI	Base year	Target	Logistics CO ₂	Consolidated subsidiaries in Japan	Total amount	FY2019	7% reduction
Trainees	Scope	KPI	Base year	Target							
Logistics CO ₂	Consolidated subsidiaries in Japan	Total amount	FY2019	7% reduction							



Establishment of a recycling-oriented society

2050 Vision Aim to minimize environmental impact by maximizing resource efficiency

Initiatives	Implementation items and targets														
6 Product design and development of products and technologies that contribute to the improvement of resource efficiency	<ul style="list-style-type: none">Promotion of eco-friendly design aimed at reuse and recyclingPromotion of product and technology development that contributes to natural resource input and reduction of waste														
7 Reduction of resource input and waste emissions in production	<ul style="list-style-type: none">Reduction of waste in all Group companies (effective use of waste plastic, introduction of new technologies, global sharing of domestic practices, etc.) <table><tr><th>Trainees</th><th>Scope</th><th>KPI</th><th>Base year</th><th>Target</th></tr><tr><td rowspan="2">Waste products</td><td>Consolidated subsidiaries in Japan</td><td rowspan="2">Emissions per sales</td><td>FY2014</td><td>9% reduction</td></tr><tr><td>Overseas companies</td><td>FY2020</td><td>Actual result and under</td></tr></table>	Trainees	Scope	KPI	Base year	Target	Waste products	Consolidated subsidiaries in Japan	Emissions per sales	FY2014	9% reduction	Overseas companies	FY2020	Actual result and under	
Trainees	Scope	KPI	Base year	Target											
Waste products	Consolidated subsidiaries in Japan	Emissions per sales	FY2014	9% reduction											
	Overseas companies		FY2020	Actual result and under											
8 Contribution to the establishment of a resource recycling framework for the entire society	<ul style="list-style-type: none">Collaboration with external partners regarding natural resource input and reduction of wasteReduction of use of packaging materials<ul style="list-style-type: none">Weight reduction and simplification with material and specification changeReuse of returnable containers and pallets														
9 Enhancement of water resource efficiency for production	<ul style="list-style-type: none">Promotion of reduction of water resource input <table><tr><th>Trainees</th><th>Scope</th><th>KPI</th><th>Base year</th><th>Target</th></tr><tr><td rowspan="2">Water volume</td><td>Global</td><td>Water volume per sales</td><td>FY2019</td><td>2.1% reduction</td></tr><tr><td>High-risk sites</td><td>Water volume per production volume</td><td>FY2019</td><td>12.5% reduction</td></tr></table>	Trainees	Scope	KPI	Base year	Target	Water volume	Global	Water volume per sales	FY2019	2.1% reduction	High-risk sites	Water volume per production volume	FY2019	12.5% reduction
Trainees	Scope	KPI	Base year	Target											
Water volume	Global	Water volume per sales	FY2019	2.1% reduction											
	High-risk sites	Water volume per production volume	FY2019	12.5% reduction											
10 Contribution to conservation of local water resources	<ul style="list-style-type: none">Continuation and expansion of biological research regarding water around plants and cleanup activitiesContinuation of observance of the self standard for drainage (to a higher level than the legal standards or water quality required by the region)														
11 Improvement of the water resource environment through cooperation with suppliers	<ul style="list-style-type: none">Reinforcement of collaboration with suppliers in the field of water														

Environment



Establishment of a society in which people coexist with nature

2050 Vision Aim to realize harmony with nature and the regional ecosystem globally

Initiatives		Implementation items and targets														
12	Reduction of the impact on biodiversity	<div>■ Revision of the “AISIN Group Biodiversity Guideline” in accordance with the post-Aichi Biodiversity Targets</div>														
13	Conservation of biodiversity at our operating sites	<div>■ Implementation of activities for biodiversity by business base based on biodiversity research</div> <div>■ Maintenance of model plants based on the definition of a “plant where people coexist with nature”</div> <table><tr><th>Trainees</th><th>Scope</th><th>KPI</th><th>Base year</th><th>Target</th></tr><tr><td>Plants where people coexist with nature</td><td>Global</td><td>Number realized</td><td>-</td><td>Three sites</td></tr></table>					Trainees	Scope	KPI	Base year	Target	Plants where people coexist with nature	Global	Number realized	-	Three sites
Trainees	Scope	KPI	Base year	Target												
Plants where people coexist with nature	Global	Number realized	-	Three sites												
14	Contribution to conservation and enhancement of local biodiversity	<div>■ Enhancement of environmental communication through “plants where people coexist with nature”</div>														



Establishment of a zero carbon society

2050 Vision Aim to create a more advanced environmental management system

Initiatives	Implementation items and targets
15 Reduction of substances with environmental impact in production	<ul style="list-style-type: none"> Reduction of chemical substances ahead of laws and regulations and environmental impact, and reinforcement of management of chemical substances
16 Continuance of global consolidated environmental management and consolidation of the foundation for environmental initiatives	<ul style="list-style-type: none"> Thorough observance of environmental compliance Advancement of environmental activities with information communication technology Continuation of training assuming the risk of environmental accidents Creation of the foundation for integrating consolidated environmental management globally Reinforcement of the development of global environmental human resources
17 Supply chain management	<ul style="list-style-type: none"> Sharing of the Group environment vision and targets with suppliers, and support for the promotion of environmental actions Establishment of a system for gathering information of suppliers' environmental initiatives Evaluation of environmental risks of candidates for new suppliers and auditing of existing suppliers
18 Environmental communication and stakeholder engagement	<ul style="list-style-type: none"> Maintenance and expansion of environmental communication in response to various stakeholders Management of environmental activities in cooperation with local communities

Environment

Seventh Aisin Consolidated Environmental Action Plan (plan and results)

Category	Initiatives	FY2023 targets	FY2023 results	Evaluation
Establishment of a zero carbon society	① Reduction of life cycle CO ₂ emissions	Setting reduction target value for FY2026	Completed setting reduction target value for FY2026	○
	② Reduction of CO ₂ emissions from product design	Setting reduction target value for each product	Aisin and its Group companies of ADVICS and ART Metal Mfg. determined subject products and set reduction targets for them.	○
	③ Reduction of CO ₂ emissions from production	[Global] 2,442,000 t-CO ₂ or less (12% or more reduction from FY2014)	[Global] Achieved 2,279,000 t-CO ₂	○
	④ Introduction of renewable energy for production process	Renewable energy rate: 6% or more Supporting solar power installations Utilization of renewable electricity and CN-LNG Developing new procurement of renewable energy certificates	Renewable energy introduction rate: 14.0%, achieved the target Solar power: Agreed with affiliates on the introduction plan for the next fiscal year as planned Actively utilized renewable electricity and CN-LNG Certificates: Purchased the necessary amount for FY2024 as planned	○
	⑤ Reduction of CO ₂ emissions from distribution	68,200 t-CO ₂ or less (4.3% or more reduction from FY2019)	Achieved 61,000 t-CO ₂	○
	⑥ Product design and development of products and technologies that contribute to the improvement of resource efficiency	Disclosure and explanation of technical standards (AESAO107), and monitoring the usage status (four times a year)	Completed deployment of technical standards (AESAO107) to Group companies	○
Establishment of a recycling-oriented society	⑦ Reduction of resource input and waste emissions in production	[Japan] 5.33t/100 million yen or less (-6.8% compared to FY2014) Total amount: maintaining the FY2020 level [Overseas] 2.35 t/100 million yen or less(same as the FY2020 level) Total amount: maintaining the FY2020 level	[Japan] 3.50 t/100 million yen Total amount: (actual/plan) (128,000/158,000) tons [Overseas] Less than 1.36 t/100 million yen Total amount: (actual/plan) (23,000/34,000) tons achieved	○
	⑧ Contribution to the establishment of a resource recycling framework for the entire society	Developing a system for value creation by mixed cargo transportation within the Group	Completed development of the system Through mixed cargo transportation contracts, turned a total of 58 tons of waste into valuables in FY2023	○
	⑨ Enhancement of water resource efficiency for production	[Global] [Water volume] 308 m ³ /100 million yen or less (0.5% reduction from FY2019) [High-risk sites] [Water volume] 0.064 m ³ /unit or less (3.1% reduction from FY2019)	[Global] [Water volume] 259 m ³ /100 million yen [High-risk sites] [Water volume] Achieved 0.062 m ³ /unit	○

Category	Initiatives	FY2023 targets	FY2023 results	Evaluation
Establishment of a recycling-oriented society	⑩ Contribution to conservation of local water resources	Conducting biological surveys (once a year)	Conducted hydrobiological surveys in the Chosen River in Nishio and the Aoki River in Okazaki Higashi.	○
	⑪ Improvement of the water resource environment through cooperation with suppliers	[Target 111 companies] Determining the number of risk sites	Completed gathering responses to questionnaires from all of the targeted 111 suppliers	○
	⑫ Reduction of the impact on biodiversity	AISIN Group Biodiversity Guidelines Determining whether or not correction is necessary	In line with the postponement of the formulation of the National Biodiversity Strategy to March 2023, revised the AISIN Group Biodiversity Guidelines to correspond to FY2024	—
Establishment of a society in which people coexist with nature	⑬ Conservation of biodiversity at our operating sites	Certification of a plant as a place where people coexist with nature Conducting one biological survey per company Conducting one activity per company to maintain and improve the living environment for indicator species	Completed formulation of the evaluation system for plants where people coexist with nature. One plant certified as a plant where people coexist with nature (Excellent certification: Aisin's Handa Plant) Conducting one biological survey per company Conducted one activity per company to maintain and improve the living environment for indicator species	○
	⑭ Contribution to conservation and enhancement of local biodiversity	Planning and implementing local communication events: three events per three companies	Planned three events per three companies Implemented two events per three companies	○
	⑮ Reduction of substances with environmental impact in production	[VOC] Continuous monitoring (once a month)	Continued reduction activities	○
Fundamental activities related to all the themes	⑯ Continuance of global consolidated environmental management and consolidation of the foundation for environmental initiatives	Zero environmental abnormalities Revision, approval, and deployment of consolidated EMS manual	One environmental abnormality Revised and deployed consolidated EMS manual	×
	⑰ Supply chain management	Inspection of supplier environment Planned visit implementation rate: 100%	Completed planned visits to suppliers (completed for 17/17 companies)	○
	⑱ Environmental communication and stakeholder engagement	Conducting biodiversity conservation activities at five locations in Japan Active disclosure of environmental information Utilization of global data	Conducted environmental communication activities at five locations in Japan Actively disclosed information through CDP, etc. Determined the data analysis method using data of the environmental management system	○

Environment



Establishment of a zero carbon society

Aiming to achieve carbon neutrality (CN), Aisin is working to reduce CO₂ emissions from production and to reduce CO₂ throughout the life of our products, from design to transportation to use to disposal. We are accelerating our development of products that help to improve fuel efficiency, such as electric units and parts such as brakes, chassis and bodies for electric vehicles and FCEVs. We are also working to drastically reduce CO₂ emissions throughout the production process by carrying out activities to conserve energy within Aisin, compiling data on topics for innovation in production technology and adopting renewable energy.

Opening of the Aisin-Hokudai R&D Lab, an industry creation organization

Aiming to realize a carbon-neutral society by turning biomass and CO₂ into useful resources, Aisin and Hokkaido University jointly opened the Aisin-Hokudai R&D Lab, an industry creation organization that conducts comprehensive research on catalysis for the purpose of turning biomass and CO₂ into resources, inside the Institute for Catalysis, Hokkaido University. We will work toward the highly efficient use of biomass and CO₂ as resources.



Verification testing on CO₂ capture, recovery, and methanation

Having adopted a chemical absorption method in its capture and recovery processes, Aisin has developed a capturing mechanism using its proprietary design and a small device using an absorbent that fits the mechanism. The capacity of the device is equivalent to about 1/100 of CO₂ emissions from one melting furnace. Aisin plans to produce and evaluate a device with a capacity to capture all CO₂ emissions from one melting furnace in FY2026.



Active introduction of renewable energy

Aisin promotes introduction of renewable energy, taking into consideration the local characteristics of each region. As of the end of March 2023, 56 companies have installed solar panels and are generating power.

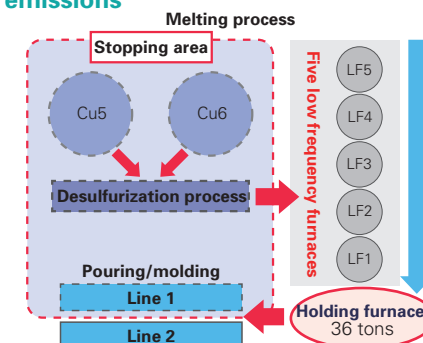
The Aisin Okazaki Plant has solar panels on its roof with an annual power generation capacity of approximately 3,200 MWh, the third largest system among the AISIN Group in Japan, by the PPA method. We will continue to advance the introduction of renewal energy, taking into consideration the local characteristics of each region.



Solar panels installed on the roofs of the Okazaki factory

Shifting to electric furnace to reduce CO₂ emissions

Aisin Sinwa stopped its cupola furnace in the melting processes for cast iron and switched to the use of electric furnace to reduce CO₂ emissions by 13.6 thousand t-CO₂ per year. Aisin will accelerate the switching from the use of remaining cupola furnaces to the use of electric furnaces, aiming to achieve its production CO₂ reduction targets.



Environment

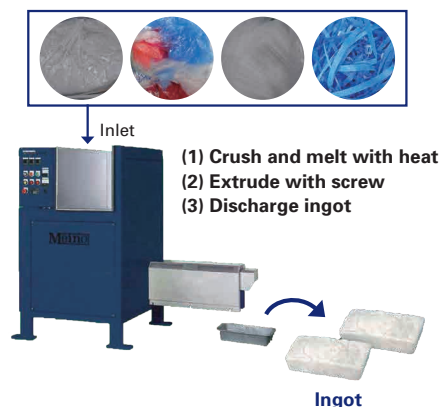


Establishment of a recycling-oriented society

Aiming to reduce its environmental impact to zero in development, production and distribution, Aisin is promoting group-wide activities for developing products that make effective use of resources and can be recycled, stepping up resource recycling at the production and logistics stages, and making effective use of water resources.

Introduction of compacters toward material recycling

The Aisin Anjo Plant has introduced a compactor for plastics in order to promote the effective use of resources. Aisin has realized material recycling of 21 tons of chip materials and 8.7 tons of packaging materials per year by converting the plastics discharged from the compactor into ingots by type.



Turning food residue into fertilizer

Sinsan is turning food residue into fertilizer as part of its efforts to reduce food waste and recycle food. Sinsan is turning food residue arising from the operation of restaurants into fertilizer for use in its own farm. Its restaurants are also offering vegetables that are grown organically in the farm. With these activities Sinsan has succeeded in reducing food waste.



Turning into fertilizer

Use of water discharged from treatment facility for cooling tower

At the ADVICS Kariya Plant, to reduce water use, water discharged from the treatment facility is reused by using the wastewater recycling equipment. Since 106,000 m³ of water is used for the cooling tower each year, use of the same amount has been reduced.



Horizontal recycling of plastic bottles

As an activity in which all members participate, the "PET bottle-to-PET bottle" campaign is under way at Aisin, Aisin Takaoka, and Aisin Chemical. In this initiative, plastic bottles after use are separated and washed, collected, and recycled and commercialized into plastic bottles. This not only helps reduce waste plastic bottles but also leads to the reduction of CO₂ emissions.

Vending machine



Store



Recycling box



Improvement of sorting quality

Environment



Establishment of a society in which people coexist with nature

With a view to preserving biodiversity, the consolidated Aisin Environmental Conservation Working Group organized our thoughts and directions and established the AISIN Group Biodiversity Guidelines in 2017, to present environmental guidance for sustainable corporate activities. In accordance with the guidelines, active efforts are being made to prevent abnormal environmental conditions and protect the natural environment. The Seventh Aisin Consolidated Environmental Action Plan set “plants where people coexist with nature” as a target aimed at achieving harmony with nature.

Hokkaido (Lake Utonai)

Ongoing activity since 2016
Protecting biodiversity by removing alien species around the lake



Hokuriku area (Nakaikemi Wetlands)

Ongoing activity since 2014
Biodiversity conservation by preserving Satoyama landscape (maintaining chemical-free rice paddies) in the Nakaikemi Wetlands (rare species: water clover)



Kyushu area (Aso conservation area)

Ongoing activity since 2015
Protecting rare species by weeding (rare species: *Lychnis kiusiana*)



Ongoing initiative to preserve species in Canada

At Aisin Canada Inc., an initiative to preserve *Apalone spinifera* on the Thames River has been ongoing since FY2023. The initiative to preserve species will be continued in the future.



Extermination of alien species in North America

AISIN CHEMICAL INDIANA, LLC is conducting activities to exterminate multiflora roses (alien species) together with local experts in order to protect native species there. In order to give pollination opportunities to bees, butterflies, and kites, we will continue these activities going forward.



Tohoku area (reservoirs in Hanamaki City)

Since August 2017
Protecting rare species by weeding, removal of alien species, etc. (netted bitterling)

Mikawa area (at the mouth of the Yahagi River)

Ongoing activity since 2012
Conducting a biological survey and cleanup jointly with the Hekinan Aquarium in cooperation with local residents

Planting trees with junior high school students in Brazil

At Aisin Automotive LTDA., members planted trees with local junior high school students on Brazil's Tree Day in September.



Environment



Fundamental activities related to all the themes

Aiming to create a more advanced environmental management system, we are promoting various activities for sustainable development. To ensure improvement of all of the AISIN Group companies both in Japan and overseas, acquisition of ISO certification is encouraged and educational programs are provided for the acquisition.

ISO certification acquisition rate

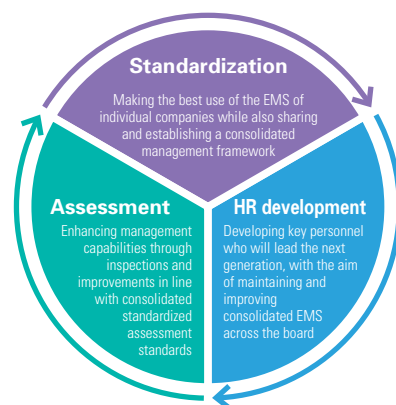
Aiming to become a top runner in environmental initiatives, Aisin promotes the ongoing improvement of EMS. In addition to acquiring ISO 14001 certification, we set a higher management level as the Group's target in conducting activities.

The EMS Working Group, which focuses on the environmental management of the entire Group, promotes activities based on the following three pillars.

Number/ratio of companies with ISO 14001 certification



EMS Working Group: Three pillars of activities



Oil spill prevention drills

Aisin and many other AISIN Group companies are conducting oil spill prevention drills on an ongoing basis to prepare for oil leakage accidents in their premises. By conducting drills to prepare for such emergencies, we aim to raise the awareness of employees about environmental abnormality.

We also gave a seminar on how to use emergency equipment as part of emergency responses to about 100 participants from our suppliers.

We also conduct local environmental inspections on suppliers as part of our efforts to improve our corporate readiness and structure, including our suppliers.



Beautification of the plant neighborhood

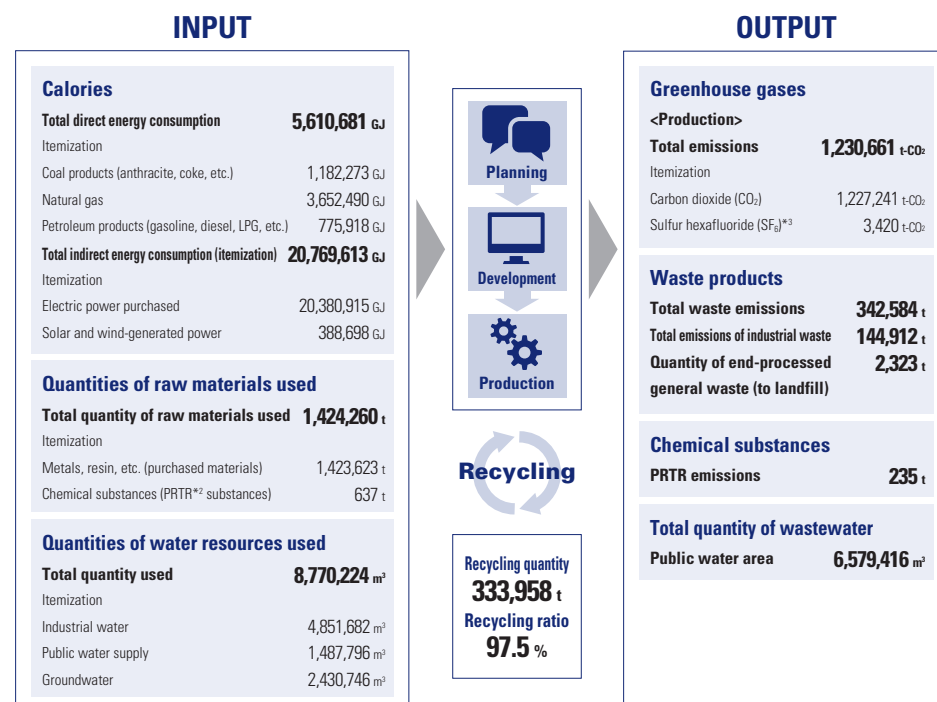
At CVTEC Kyushu, to create opportunities to make its employees aware of the impact of the plant's production activities on the surrounding environment and also to promote communication with the local community, members pick up trash in the area mainly along the plant's water discharge route.



Environment

Environmental management

Resources used and emissions released (FY2023) 56 Group companies in Japan*1



*1 56 Group companies in Japan: Aisin, Aisin Takaoka, Aisin Chemical, Aisin Keikinzoku, Aisin Kiko, Aisin Sin'ei, Aisin Fukui, Hosei Brake Industry, ADVICS, Aisin Shiroki, ART Metal Mfg., Aisin Development, Aisin Tohoku, Aisin Kyushu, Aisin Kyushu Casting, Aisin Hokkaido, Aichigiken, Saitama Kogyo, Kotobuki Industry, Yamagata Clutch, Sinsan, Konan Kogyo, Hekinan Unso, Sanetsu Unyu, Technova, Aisin Collabo, Aisin Infotex, Aisin Software, FT Techno, IMRA Japan, CVTEC, CVTEC Hokkaido, CVTEC Kyushu, Aisin Mizunami, Aisin Metaltech, Aisin Digital Engineering, Aisin Logitech Service, Aisin Machinetech, Awgus Japan, Aisin Sinwa, Shinwa Kogyo, AT Kyusyu, Aisin Takaoka Tohoku, Hirabayashi Industry, Aisin Takaoka Engineering, Inatec, Shinko Seiki, TECHNO-METAL, Tonamino Kogyo, AS Brake Systems, Kyushu Shiroki, Matsumi Corporation, Suncircle, Shiroki Create Service, Shiroki Seiki, and Shiroki Shoji

*2 Pollutant Release and Transfer Register, a system requiring businesses to identify the amount of various hazardous chemical substances released from business sites into the environment (air, water, and soil) and the amount transferred outside as waste, as well as reporting the data to the national government. The national government estimates the amounts released and transferred, and announces them to the public based on the data submitted.

*3 Sulfur hexafluoride (SF₆): A greenhouse gas whose global warming effect is estimated to be 22,800 times greater than that of CO₂

Environmental accounting

(Billion yen)

		Aisin			Group companies in Japan*		
FY		2021	2022	2023	2021	2022	2023
Environmental conservation costs	Business operation costs	1.81	4.14	68.1	10.34	11.81	13.04
	Management costs	0.44	0.58	6.0	1.14	1.36	1.18
	Upstream/downstream costs	0.67	2.54	8.4	2.58	3.11	1.45
	Research and development costs	3.97	5.02	57.8	12.27	9.70	7.08
	Social contribution activity costs	0.01	0.02	0.01	0.10	0.05	0.05
	Environmental remediation costs	0.00	0.05	0.00	0.2	0.7	0.2
	Total	6.90	12.34	14.04	264.5	261.0	228.2
Effects of environmental conservation measures	Energy saving	0.03	0.03	0.12	1.50	0.78	0.88
	Resource saving	0.27	0.70	0.34	0.28	0.71	0.34
	Effects of reducing waste materials	0.00	0.00	0.00	0.26	0.18	0.07
	Sale of valued property	1.55	6.30	7.22	6.31	13.38	14.05
	Total	1.85	7.03	7.68	8.35	15.05	15.34


Note: These figures are based on the Environmental Accounting Guidelines FY2006, issued by Japan's Ministry of the Environment.

* 42 companies in FY2021, 50 companies in FY2022, and 56 companies in FY2023 The 56 companies in FY2023 are in the same range as the input resources above.

Environment

Third-party verification

Verification Opinion



23 August 2023
Opinion No : SGS23/066

Mr. Moritaka Yoshida
President
AISIN CORPORATION
2-1 Asahi-machi, Kariya, Aichi

Objective
SGS Japan Inc. (hereinafter referred to as "SGS") was commissioned by AISIN CORPORATION (hereinafter referred to as "the Organization") to conduct independent verification based on Criteria of Verification (ISO14064-3: 2019 and the SGS verification protocol) regarding the data prepared by the Organization on the scope of verification (hereinafter referred to as "the Statement"). The objective of this verification is to confirm that the Statement in the Organization's applicable scope has been correctly calculated and reported in the Statement in conformance with the criteria, and to express our views as a third party. The Organization is responsible for the preparation and fair presentation of the Statement.

Scope
The scope of verification is Scope 1 and 2 emissions, energy consumption, Scope 3 emissions, the amount of water intake and the amount of industrial waste discharge.
The period subject to report is from 1 April 2022 to 31 March 2023.
Refer to the attached sheet for the detailed scope of verification.

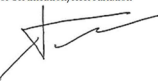
Procedure of Verification
The Statement was verified in accordance with Criteria of Verification, and the following processes were implemented at a limited level of assurance:

- Verification of the calculation system: Interviews on the measurement, tabulation, calculation, and reporting methods employed by the Organization as well as review of related documents and records
- Verification of the Statement: On-site verification and voucher review conducted at Anjo area (Anjo 1st Plant, Anjo 2nd Plant) and Aisin Kelinzoku Co.,Ltd Main Plant, and analytical procedures and interviews for the other sites in the scope of verification carried out at the head office

The criteria for this review are based on GHG Emissions Calculation and Reporting Manual Ver. 4.9, Basic Guidelines on Accounting for Greenhouse Gas Emissions throughout the Supply Chain Ver. 2.5 and Emission Factor Database on the same Accounting Ver. 3.3, IDEA ver2.3 and the protocol specified by the Organization

Conclusion
Within the scope of the verification activities employing the methodologies mentioned above, nothing has come to our attention that caused us to believe that the Organization's Statement was not calculated and reported in conformance with the criteria.
SGS Japan Inc. affirms our independence from the Organization, being free from bias and conflicts of interest with the Organization.


For and on behalf of SGS Japan Inc
Yokohama business Park North Square 1
134, Godo-cho, Hodogaya-ku, Yokohama
Knowledge
Management Committee Member
Head of Certification/Accreditation



Yuji Takeuchi

1 / 2

This document is issued by the Company under its General Conditions of Service accessible at www.sgs.com/terms_and_conditions.htm.
Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings as the time of its intervention only and within the limits of Client's instruction, if any. The Company's sole responsibility is to Client and this document does not exonerate parties to transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



Attached file

23 August 2023
Opinion No : SGS23/066

The details of the scope of verification

	The Scope	The Boundary	The Statement
1	Scope 1 and 2 (energy related carbon dioxide emissions) and energy consumption ※Excluding the vehicles which run outside of the sites	The Organization and the consolidated companies Total 136 companies	Scope1: 533,137 t-CO ₂ Scope2: 1,745,595 t-CO ₂ *Emission factor: IPCC 2006
2	Scope3 (category 1)	Raw materials, parts, and sub-materials in the scope of consolidation of the Organization	10,736,420 t-CO ₂
3	Scope3 (category 2)	The Organization and the consolidated companies	761,807 t-CO ₂
4	The amount of water intake	The Organization and the consolidated companies Total 131 companies	14,016,484 m ³
5	The amount of industrial waste discharge	The Organization and the domestic consolidated companies Total 47 companies	128,250 t

2 / 2

This document is issued by the Company under its General Conditions of Service accessible at www.sgs.com/terms_and_conditions.htm.
Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings as the time of its intervention only and within the limits of Client's instruction, if any. The Company's sole responsibility is to Client and this document does not exonerate parties to transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.