

The logo consists of the word "SOSHIN" in a bold, sans-serif font, enclosed within a horizontal oval border.

SOSHIN

2019

**Social Responsibility &
Environmental Report**

*Save
The
Earth*

**双信電機株式会社
SOSHIN ELECTRIC CO., LTD.**

Soshin Powertech Co., Ltd.
Soshin Device Co., Ltd.
Risshin Electronics Co., Ltd.
Soshin Electronics (M)Sdn. Bhd.

Business Summary

2019 Social Responsibility & Environmental Report

Contents

■ Business Summary and so on

Corporate profile, business locations and financial highlights	1
Business Domains & Related Products	2
A Message from the President / Corporate Governance	3
Soshin Electric Group's guidelines for corporate behavior	4

■ Social Responsibility Report

CSR activities (SDGs : Sustainable Development Goals and overview of biodiversity)	5-6
Respect for Humanity and Assurance of a Comfortable Working Environment	7
Cooperation with local communities and promotion of social contribution activities	8

■ Environmental Report

Environmental management system	9
Outline of environmental preservation activities	10
Environmental accounting	11
Mass balance / Management of contained chemical substances	12
Approach to reduction activities of environment loads	13
Examples of energy saving measures	14
Approach to resource utilization	15
Questionnaire	16

Editorial policy

This report presents the Group of Soshin Electric companies' approach to society and the environment.

【Period covered】

From April 2018 to March 2019

【Coverage】

Soshin Electric Co., Ltd.
Soshin Powertech Co., Ltd.
Soshin Device Co., Ltd.
Risshin Electronics Co., Ltd.
Soshin Electronics (M) Sdn. Bhd.

Issued in July 2019

■ Corporate Profile (As of the end of March 2019)

Company name : Soshin Electric Co., Ltd.

URL: <http://www.soshin.co.jp>

Tokyo Head Office

No. 1-1-1, Shibaura, Minato-ku, Tokyo 105-0023, Japan

Tel. 81-3-5730-4500 Fax. 81-3-5730-4504

Established in : December 1938

Incorporated in : April 1944

Capital : 3,806 million Japanese yen
(As of the end of March 2019)

Number of employees : 802 (Total)
(As of the end of March 2019)

■ Business Locations

【Sales offices in Japan】

Tokyo Head Office

Osaka office / Nagoya office / Kyushu office

【Domestic plant and R&D location】

Asama Plant / Chikuma Technical Center

【Group companies】

Soshin Powertech Co., Ltd.

Soshin Device Co., Ltd.

Risshin Electronics Co., Ltd.

Soshin Electronics (M) Sdn. Bhd.

Soshin Electronics of America Inc.

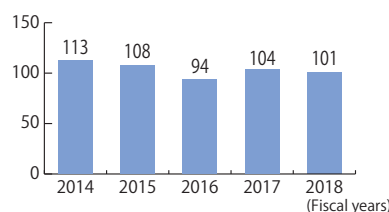
Soshin Electronics Europe GmbH

Soshin Electronics (SZ) Limited

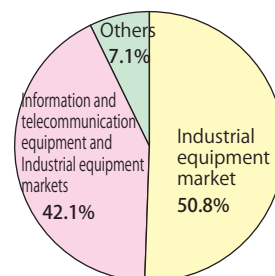
Taiwan Soshin Electric Co., Ltd.

■ Financial Highlights

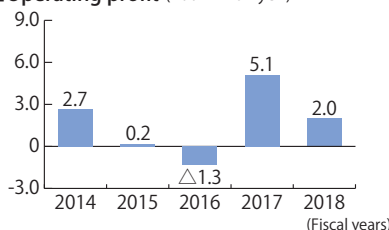
■ Sales amount (100 Million yen)



■ Sales ratio per market (2018)



■ Operating profit (100 Million yen)



Business Domain & Related Products

To meet the needs of the times and expectations of customers in the industrial instrument and information and telecommunication equipment markets, as well as ultimately to contribute to realization of a low-carbon society, the Group of Soshin Electric companies manufactures small and high-performance products with the least amount of industrial waste in consideration of environmental impact.

[Industrial equipment sector]

• Noise-related fields

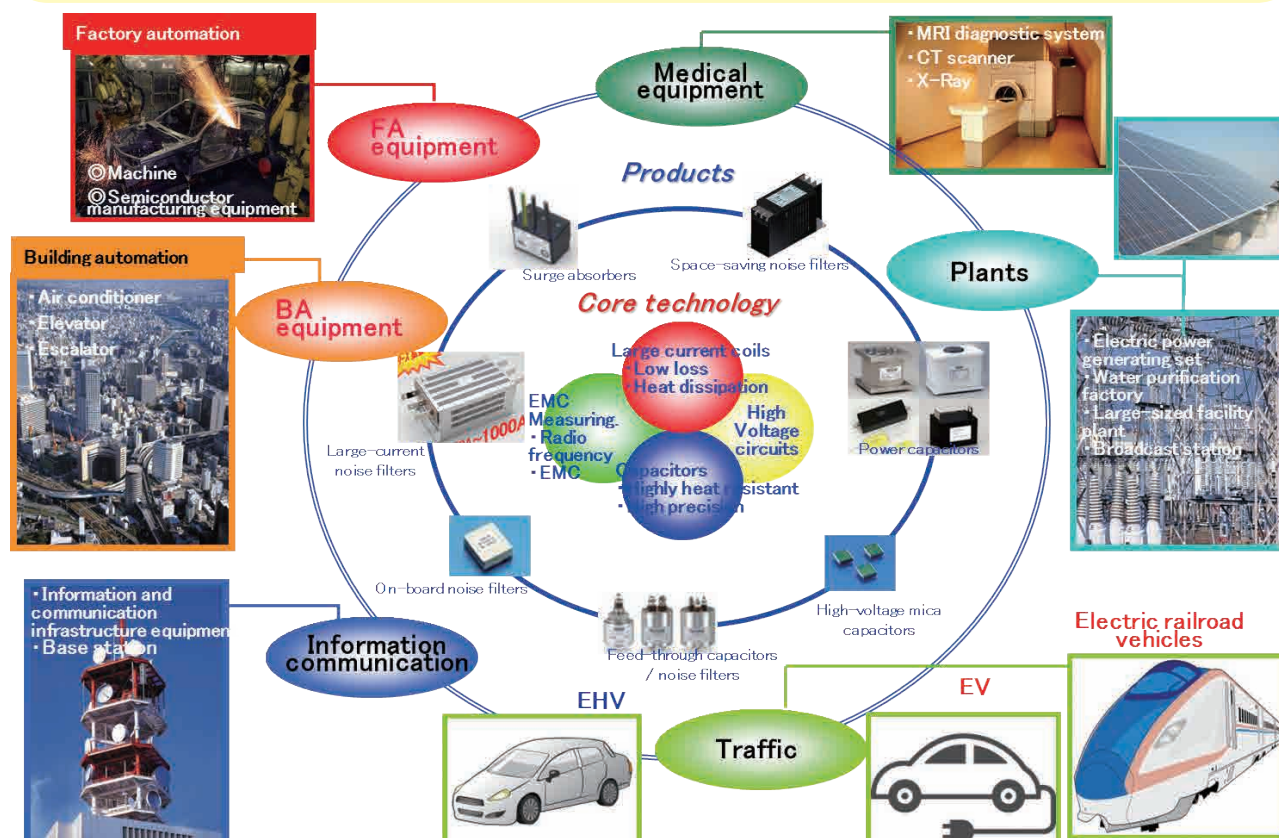
Needs are growing for countermeasures against disturbance due to noises arising in fields of industries such as semiconductor manufacturing facilities and machine tools, equipment supporting our daily life such as air conditioners and elevators, and environmental facilities where load reduction on the global environment is anticipated.

Our EMC products have played a key role in many industrial fields as a solution for issues relating to noises generated in these equipment and facilities.

Furthermore, our range of business includes total support for customers such as provision of noise-measuring and diagnosing services on site (in designated locations) or in our large radio-wave shield chamber.

• Car and railway electronics

In automobiles where parts are required to be highly reliable, our noise filters and capacitors are used. Railway vehicles and rail traffic control systems are other areas where a variety of our filters and capacitors work to support safety and ease.



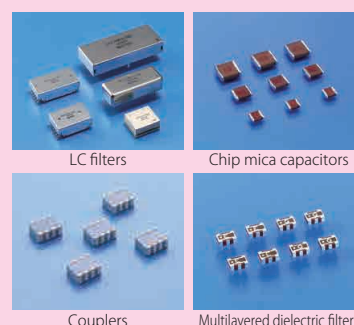
[Information and telecommunication equipment sector]

• For information and telecommunication infrastructures

RF parts such as couplers, filters and capacitors support communication systems including base stations for mobile phone systems.

• For telecommunication terminals

Multilayered dielectric filters are adopted for ever-advancing smartphone, wireless LAN systems for tablet PC terminals and for Bluetooth communication modules.



A Message from the President



President
Takashi Kamioka

We, Soshin Electric Group have positioned enhancement of corporate value and sustainability of the corporation needed by society as one of our key management issues.

We think it important not only to continue to supply society with necessary products but also to take actions by recognizing the corporate role for sustainable society. We continue to take actions for 5 possible goals among 17 international goals of SDGs (Sustainable Development Goals) for its purpose. Our main goals are activities to environmental protection in natural fluctuations, creation of decent workplace environment and improvement of product reliability.

We, in addition to activities to reduction of environmental loads mainly for reduction of CO₂ emissions and industrial wastes, also take actions to eradicate various discriminations and harassments in order to respect humanity and to secure comfortable workplace for job satisfaction. Furthermore, as for loss of product trust occurring frequently in society, we review anew actual conditions within our group to prevent the violation of quality compliance.

And as for local contribution by each location of us, we promote interaction with local communities through volunteer activities, sports events and so on.

The basis of these activities is “sincerity”, that is our company policy set by our founder of the Group. This is our norm of corporate activities, no matter what is, to tackle jobs sincerely.

On December 7 of last year Soshin Electric Group celebrated the eightieth anniversary of our founding in 1938. We would like to appreciate the cooperation and support to Soshin Electric Group from the corporations, parties and persons concerned. At the same time we will make sustainable efforts for growth of our Group in order to celebrate 90th and 100th anniversaries in near future. It is our sincere desire that our stockholders will keep on encouraging us.

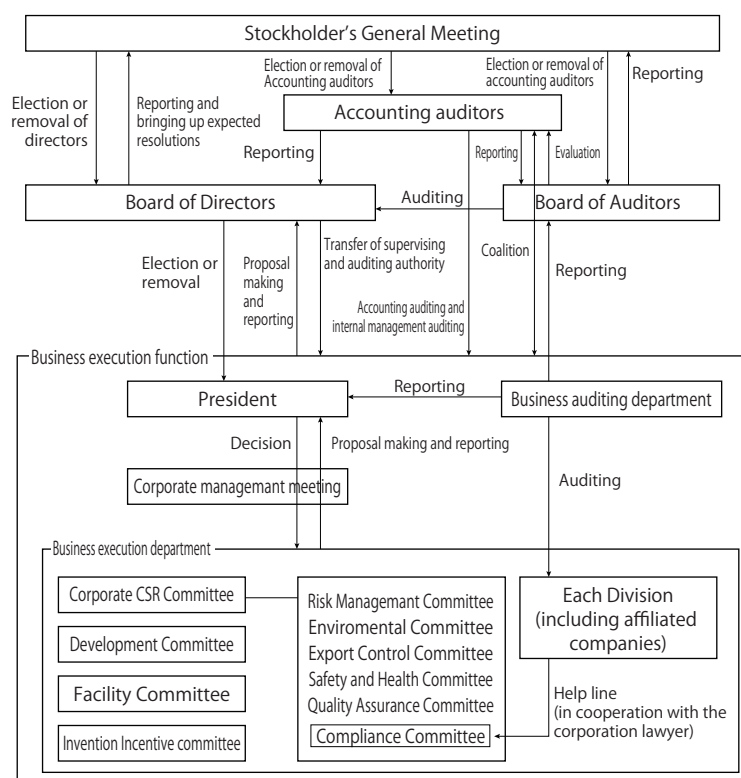
◆ Corporate Governance

Soshin Electric Group has positioned enhancement of corporate value as one of our key management issues.

We regard the enhancement of corporate governance as an important measure that raises the legality of the business activities and transparency of corporate management, leads us to become an entity trusted by every stakeholder (stockholders, customers, company employees, suppliers and relevant local communities) and is conducive to the rise of corporate value.

To make them a reality, we strive for ensured compliance with laws by identifying the responsibilities of the Board of Directors' Meeting and Auditors' Meeting such as adjustment of the management organization, improved management efficiency and enhancement of the management monitoring function. Establishment of relationship of mutual trust through ensured gaining of stockholders' privilege and equality and promoted dialogues are other matters we seek.

Governance system





Soshin Electric Co. Group's Guidelines for Corporate Behavior

I Realization of corporate philosophy

[1] Provision of products that better contribute to social environment

From a long-term global perspective, we will commit ourselves to create new value by providing products and services that protect the global environment and realize safety and security in society. We will gain trust from our customers and society by seeking quality and safety.

II Policy to engage in business activities

[2] Disclosure of corporate information

We will release, in an accurate and timely manner, information sought by the public, including information on our management, finance, products or services to improve transparency in management and gain society's trust in NGK group companies.

[3] Total enforcement of compliance and risk management

We will abide by the laws and rules of each country and area in which we do business and will enforce our compliance thoroughly, respecting international arrangements that are applicable to us.

We will develop human resources who are sincere and have high ethical standards. In addition, through our efforts to build an internal control system and implement risk management, we will protect our corporate assets and credit, as well as the rights of third parties.

[4] Respect for humanity and assurance of comfortable working environment

We will hire and treat people in a proper and fair manner and provide a safe and pleasant working environment in which our people can work comfortably without sacrificing their family life. We will make available opportunities that people with versatile talent can try and will support the development of human resources through the acquisition of knowledge and expertise.

We will prevent bullying, discrimination, harassment or any other acts that violate human rights. If there is a human rights violation, we will take appropriate action in an expeditious manner.

[5] Implementation of fair, free and transparent transactions

As a good and equal partner, we will implement fair, free and transparent transactions in search of mutual benefit with our business partners.

In addition, we will promote our commitment to discharge our corporate responsibility for society throughout the supply chain used by the NGK group companies.

III As a member of society

[6] Preservation of global environment

We will contribute to the preservation of the global environment by committing ourselves to take the lead in reducing environmental burdens at every location and in every process that is involved in our business activities. We will cooperate in efforts with local communities to preserve the environment and will also actively support our employees' efforts.

[7] Cooperation with local communities and promotion of social action programs

We will actively commit ourselves to contributing to society, satisfying the needs of local communities with our interest in the social tasks required by each country and local community in accordance with our objective to become a corporate citizen that can be trusted by local communities.

[8] Communication with stakeholders

Through communication with all of our stakeholders, including customers, business partners, shareholders, employees and members of local communities, we will enhance their understanding of the NGK group companies and review corporate activities based on comments forwarded to us. We will use these in our efforts to accomplish our social responsibilities.

Social Responsibility Report

About The CSR Activity

◆ Approach to SDGs (Sustainable Development Goals)

We consider it as one of our important social responsibilities to contribute to the extensive solutions of social problems through our business activities on our indexes of SDGs (Sustainable Development Goals) adopted by the United Nations.

We take actions to our possible 5 goals by materializing our offered values. And we take actions to contribute to economic growth by increasing our contributable goals while the Corporation grows.

5 goals of SDGs relating to Soshin Electric Group

	Related contents	Offered values by Soshin Electric Group
 8 DECENT WORK AND ECONOMIC GROWTH	Respect to humanity and securing of comfortable workplace environment	We provide decent and safety workplace to employees in order to contribute to economical growth, by adequate employment and acceptance and respect of personality and human diversity.
 11 SUSTAINABLE CITIES AND COMMUNITIES	Cooperation with local communities and promotion of social contribution activities	We contribute to cooperation with local communities and realization of sustainable cities and communities.
 12 RESPONSIBLE CONSUMPTION AND PRODUCTION	Resources balance (input/output) and control of contained chemical substances	We reduce output of resources utilizing effectively energy, chemical substances and water and others necessary to business activities.
 13 CLIMATE ACTION	Activities of environmental preservation and approach to reduction activities of environmental loads	We contribute to preservation of environment, reduction of environmental loads and reduction of CO ₂ emissions and wastes, by strengthening the control of contained chemical substances and preventing environment-related claims and accidents from arising.
 15 LIFE ON LAND	Approach to environment utilization	We contribute to forest protection and countermeasures against desertification indirectly and loss of animal diversity, by promoting 3R (Reduce, Reuse, Recycle) and attaining zero-emission.

Social Responsibility Report

About The CSR Activity

◆ Overview of biodiversity

From fiscal 2018 Soshin Electric Group participates in activities of MY declaration for action, that is "Self-declaration of participation in environment activities" recommended by the Ministry of Environment. The content of MY Action is that actions are taken on my possible ones selected from 5 actions of "eat, feel, show, conserve and select", resulting in preservation of biodiversity.

We recruited participants from all the employees of Soshin Electric Group. And the participation rate was 98%.

MY declaration for action: Our possible five actions or protect of animal diversity	
Act 1 	I enjoy locally produced food in season.
Act 2 	I go out in the nature, visit zoo and botanical gardens to feel it through my five senses.
Act 3 	I express my feelings for wonder of nature with photos, paintings, writing and any way I can.
Act 4 	I join the activities for conserving harmony among living things and its connection with humans and cultures.
Act 5 	I buy green products.

Soshin Electric Group sympathizes with the preservation activities of local ecology by NPO corporation Picchio in karuisawa and supports their activities aiming at coexistence between human beings and wild animals.



Social Responsibility Report

Respect for Humanity and Assurance of a Comfortable Working Environment

◆ Basic employment policy

We at the Group of Soshin Electric companies have tried to ensure employment stability through the establishment of manpower plans ascertaining to mid- to long-term business development. Such efforts included planned employment of new graduates and active deployment of internal job rotation, placement of the right people with necessary ability and experience in the right job, and promotion of activities that helped employees find their jobs challenging without needing to exercise extra care.

◆ Esteem for individuality and diversity

Our employment level of disabled people was 2.92% (as of fiscal 2018), which exceeded the legally set 2.2% minimum.

As a result of the establishment of a re-employment system for employees who have passed mandatory retirement age, flexible working arrangements, including full-time and part-time work programs, are provided to fit individuals' post-retirement plans.

◆ Health and safety

We secure safety and health of employees and promote environmental creation of comfortable workplace, while taking positive activities of safety and health to aim at zero occupational accidents.

Our major activities include those where risk factors arise. Training for dealing with near-miss incidents and danger prediction has been provided to employees in conjunction with the National Industrial Safety Week. Suggestions made by them have achieved great results. Moreover, mutual patrolling of plants for facility accident prevention has been a semiannual event to ensure safety.

For promotional purposes of employees' good health, we have a healthcare program in place by having company nurses on duty and actively pursuing good physical and emotional health for employees. Employees have been given a stress check.

These activities have kept Soshin Electric Group free from serious work-related accidents. We will continue activities for employees for their ensured safety and good health.

This year we promote the activities for maintenance and improvement of safety and comfortable workplace by in-house education and risk-assessment to improve the quality of safety and health by acquisition of ISO45001 certificate.

◆ Enhancement of healthy mental state

The Group of Soshin Electric companies has arranged study sessions for acquisition of knowledge about mental disturbance, self-care and line care through consolidated services by industrial physicians, consultant physicians and health nurses to ensure employees' mental health.

In addition, training of managers, control of overtime work and strict observance of the previously established no-overtime day program have been implemented against excessively long-time work.

◆ Realization of work-life balance

Many female employees have taken up the opportunity for pre-natal and post-partum maternity leave and infant care before returning to work. Furthermore, refreshment holiday and planned paid holiday systems are provided for employees to refresh their minds and bodies.



In-house education for safety and health

Social Responsibility Report

C ooperation with Local Communities and Promotion of Social Action programs

International Volunteer Day, a day of concurrent action for contribution to society

We, the business enterprises residing in the building where we are headquartered, jointly sold fair-trade goods to support the producers in developing countries.

*“Fair trade” is the term used to describe the mechanism that supports producers' lives by purchasing their products at reasonable prices.



Participation in Greeting Campaign of Yamanoguti Area

Soshin Powertech Corporation participated in Greeting Campaign by cooperation with the elementary and middle schools in the area on the slogan “Man-to-man connection with smiling – Yamanoguti” proposed by the Yamanoguti town development council for creation of “Town of rich heart and culture”.



Placement of “Welcom Flower” at Sakudaira JR Station

We placed “Welcom Flower” at Sakudaira Station that is an entrance of Saku City, in cooperation with 30 students of Saku Comprehensive Technical School and of fourth grade of Sakudaira Asama Elementary School.



Interaction with local communities through sports events

The 18th Soshin Cup Tennis Tournament

134 participants from 67 groups participated in all the events. Although this year there were many rainy days in this season, it was miraculously fine on that event day. Exciting games were played among pairs of tennis players.



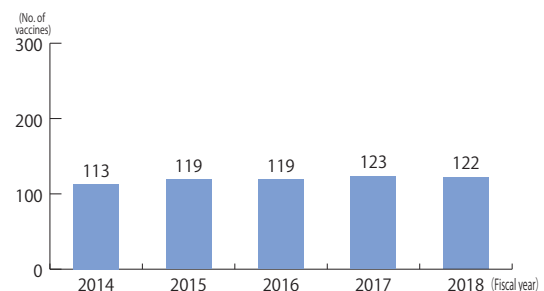
Christmas presents

Soshin Powertech Co. and Soshin Device Co. presented Christmas gifts to their respective neighboring nursery schools.



Eco-cap campaign

Collected eco-caps were sold for recycling. Revenue was distributed to various social activities. In fiscal 2017, the total revenue was worth 123 vaccines.



Environmental Report

Environmental Management System

Environmental policy of the Group of Soshin Electric companies

1. Compliance with legislation, pacts, agreements with customers and voluntary standards
2. Identification of environmental objectives and organized continuous promotion of activities with local communities to reduce environmental loads
3. Development, design, production and marketing of environmentally-friendly products
4. Implementation of preventive measures and monitoring of environmental pollution
5. Continuous encouragement of education, training and enlightenment activities to raise awareness of the roles and responsibilities of employees, as well as all other people involved in our business activities

◆ System of promoting environmental preservation activities

Decisions on policies and tactics of the Group of Soshin Electric companies regarding environmental preservation will be made by the "Environmental Committee" which the Director responsible for environmental matters chairs. The policies and tactics decided will be put in action across the company via factory managers, the location manager and the managers responsible for environmental matters for each site.

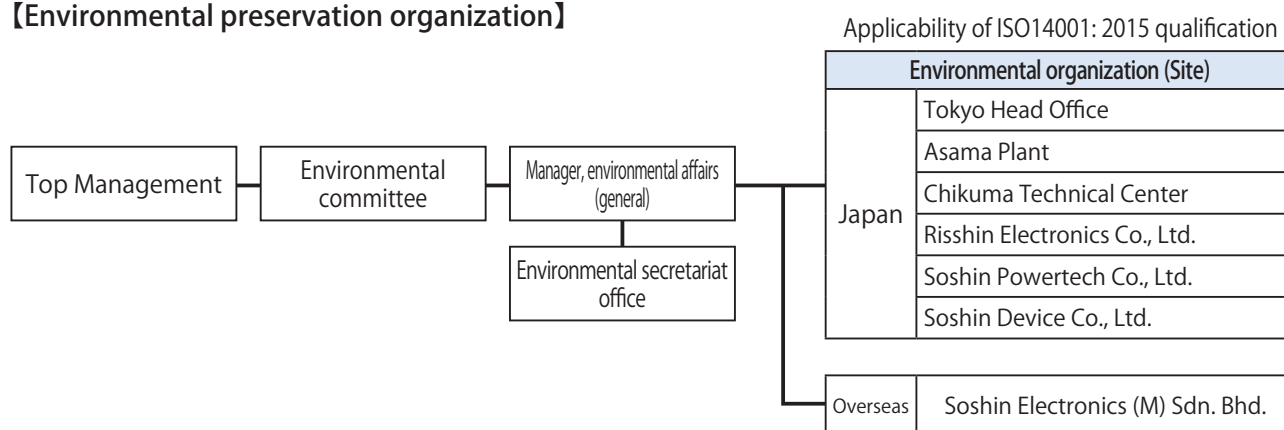
Activities for which the environmental organization is responsible include a monthly environmental meeting, as well as the Environmental Committee held semi-annually. These meetings are to control the progress toward the targeted amounts of CO₂ emissions and industrial waste discharged, exchange information on the environment and continue the promotion of the environment preservation activities.

◆ Qualification for ISO14001 and environmental audits

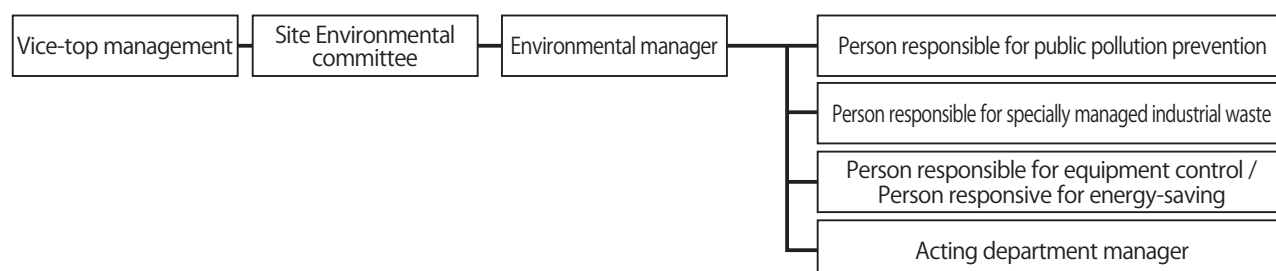
Soshin Electric Group has acquired the authentication of International Standards of ISO14001 (2015 version).

Our environmental audit is comprised of audits conducted by an external qualifying organization, environmental assessments by our environment control department and internal environmental audits by the excution department. (The number of internal environmental auditors:218)

【Environmental preservation organization】



【Site-specific environmental preservation organization】



Outline of Environmental Preservation Activities

We, the Group of Soshin Electric companies, have been trying autonomously to preserve the environment by setting environmental objectives and targets to accomplish the objectives.

◆ Activity report for 2018 and targets for 2019

【CO₂ emission amount】

We achieved the target for reduction of CO₂ emissions which was part of 2018 activities for environmental load reduction.

As an approach to CO₂ emission reduction continuing from 2018, we will study a step-by step change over to energy-saving facilities including lighting with LEDs in 2019.

Action will continue for productivity improvement, efforts to reduce losses and loads of facility operations and elimination of wastes through energy-saving patrol.

【Amount of discharged industrial wastes】

We attained the goal of 2018 amount of discharged industrial wastes.

We improve the recovery rate of raw materials and reduce the discharged wastes in fiscal 2019.

In fiscal 2019 we will try to improve the raw material recovery rate and reduce such wastes.

【Enhanced control of contained chemical substances】

Restriction and control of substances usable for products are getting increasingly stricter, as evidenced by the regulations related to phthalic acid esters required by the RoHS directive and year-by-year additions by REACH Regulations of substances to be controlled.

We control such chemical substances in line with the latest regulations based on the Soshin Electric Co. Green Procurement Guidelines. To control chemical substances contained in product component parts, we audit suppliers for their environmental quality to ensure adherence to the Green Procurement activity.

【Environmental complaints and incidents】

In fiscal 2018, we had no complaints or incidents related to environmental matters. We will continue our activities for local environment preservation to prevent any environmental matter-related complaints or incidents from happening in fiscal 2019.

◆ Main environmental preservation activities

Items	Achievements in 2018			Targets for 2019
	Targets	Achievements	Self-evaluations	
Environmental management system (ISO14001)	<ul style="list-style-type: none"> We will continue environmental education and enlightenment activities. We utilized positively 2015 Environment Management System and raised the levels of each department and internal environment auditors. We will comply with the environmental legislations. 	<ul style="list-style-type: none"> The environmental policy was disseminated and environmental educations of environmental targets were provided. We applied to the certification of 2015 Environment Management System and confirmed no problem in the utilization. Furthermore, we provided educations to internal environment auditors, raised their levels and increased them in number. We reviewed a list of environmental legislation and regulations to ensure that our environmental assessment covered every item. 	○	<ul style="list-style-type: none"> We will continue to provide environmental education and to take enlightenment activities. We utilize 2015 Environment Management System positively, integrate it with ISO45001. Management System partially and prepare for the examination of integration system by external audits. We continue to comply with the regulations including safety and health.
Prevention of global warming	<ul style="list-style-type: none"> We will reduce domestic CO₂ emissions to a maximum of 7,136t. (With the CO₂ emission amount divided by sales amount no greater than 75.1t/100 million yen) 	<ul style="list-style-type: none"> We achieved the target for domestic CO₂ emissions of 6,831t for fiscal 2018 against 7,136t for fiscal 2017. (The CO₂ emission amount divided by the sales amount registered roughly 80.3t/100 million yen and achieved the target.) 	△	<ul style="list-style-type: none"> We will keep the domestic CO₂ emissions at 6,997t, max. (with the CO₂ emission amount divided by sales amount maintained no greater than 76.9t/100 million yen).
Waste management activities	<ul style="list-style-type: none"> We will keep the amount of discharged wastes at no greater than 258t. 	<ul style="list-style-type: none"> Emission volume of industrial wastes was 258t against the goal of 258t. The goal was attained. 	○	<ul style="list-style-type: none"> We will keep the amount of discharged wastes at no greater than 293t.
Adequate control of chemicals	<ul style="list-style-type: none"> We continue to inspect foreign procured goods for acceptance with fluorescence X-ray analyzers and to survey the environmental quality of suppliers for compliance with the Green Procurement Guidelines. 	<ul style="list-style-type: none"> There have been no abnormalities with goods procured from overseas sources, nor were any irregularities found in the quality of goods from these sources. Thus, we complied with the Green Procurement Guidelines. 	○	<ul style="list-style-type: none"> We will continue to inspect goods procured from overseas sources with an X-ray fluorescence spectrometer, survey such sources' environmental quality and comply with the Green Procurement Guidelines.
Reduction of hazardous chemicals	<ul style="list-style-type: none"> We promote furthermore the reduction of hazardous substances including PCB and lead. 	<ul style="list-style-type: none"> We disposed 3 units of low concentration PCB equipment. We followed up the prohibition of phthalic acid, accompanied by RoHS2 regulation. 	○	<ul style="list-style-type: none"> We review the scheduled restricted substances in the next RoHS regulation, including the confirmation of internal use.

Environmental Report

E nvironmental Accounting

◆ Environment preservation costs and economical effects resulting from environment preservation measures

Soshin Electric Group implemented environmental accounting for the purpose of gaining a qualitative grasp of the effectiveness of investment and expenses made for environment preservation.

The investment amount by Soshin Electric Group for replacing equipment with energy-saving alternatives such as introducing LED lighting totaled 6,308 million yen in the global environmental preservation costs in fiscal 2018.

(The investment effect is to be confirmed after the next fiscal year.)

Effective implementation of environmental preservation activities enabled a reduction of 19.47 million yen in expense, however by 4.19 million yen than last year.

The economical effects in fiscal 2018 totaled 0.89 million yen.

Total of actual achievement: in fiscal 2018 (Apr. 1, 2018 to Mar. 31, 2019)

*Generated in observance of the guidelines prepared by the Ministry of the Environment

Unit: 10,000 yen

Categories	Major measures	Investment amounts		Expenses		Economical effects	
		Fiscal 2017	Fiscal 2018	Fiscal 2017	Fiscal 2018	Fiscal 2017	Fiscal 2018
Pollution prevention	Costs for pollution prevention	0	0	174	151	-	-
Global environmental preservation	Costs for CO ₂ reduction such as introduction of energy saving equipment	2,604	6,308	144	77	529	89
Resource recycling	Costs for effective use of resources, including water saving, and reduction, recycling, processing and disposition of wastes	0	0	988	999	4,995	0
Upstream / downstream	Costs for controlling environmental burdens that arise in the business upstream and downstream	0	0	0	0	-	-
Administration	Costs for environment preservation efforts such as acquisition and maintenance of ISO14001 qualification, provision of environmental education and monitoring environmental impact	0	0	771	499	-	-
R&D	Costs for R&D and planning of environmental impact reduction efforts and for R&D and study of product contributing to environment preservation	0	0	0	0	-	-
Social activities	Costs for preservation of nature, greening and support for the local environment, public announcements of environmental information and advertisements for environmental matters	0	0	289	220	-	-
Environmental remediation	Costs for improvement of contaminated soils and recovery of destroyed nature	0	0	0	0	-	-
Total		2,604	6,308	2,366	1,947	5,524	89

※ As for the economical effect of resource recycling the way of totalizing was changed from fiscal 2018.

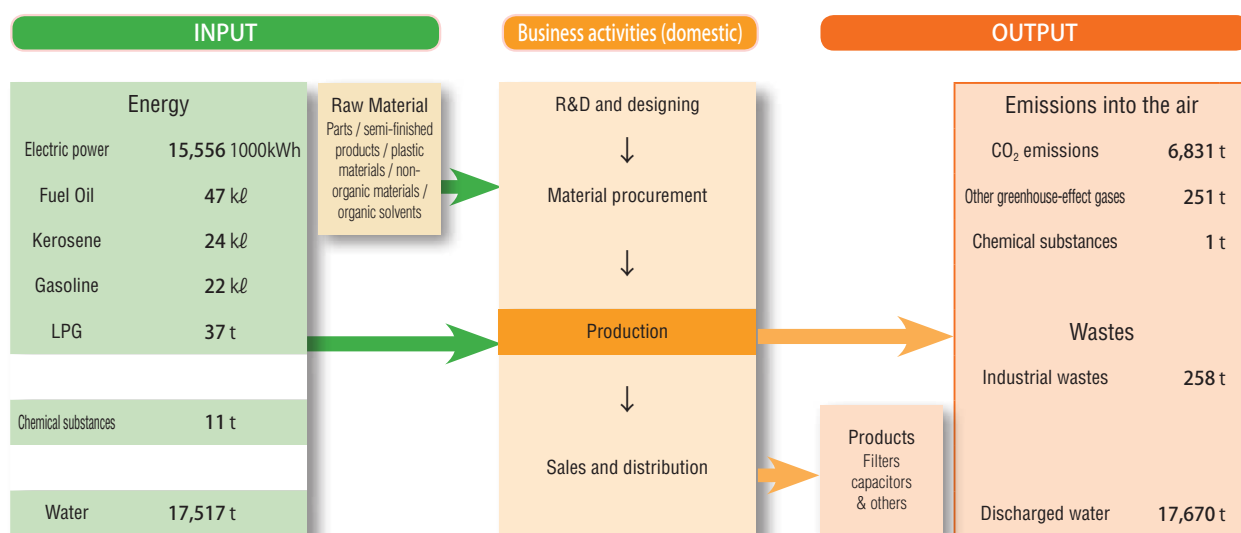
Mass Balance (Inputs and outputs)

This section describes resources and energy inputs for domestic business activities, and products, wastes and other discharged items (outputs) that resulted from domestic business activities of the Group of Soshin Electric companies in fiscal 2018.

Outline of inputs and outputs

Inputs comprise parts, raw materials, energy, chemical substances and water necessary for business activities while output comprise product, CO₂ emissions, water and wastes developed incidentally to production activities.

The Group of Soshin Electric companies strives to reduce as much as possible inputs from the aspects of energy saving to prevent the exhaustion of natural resources. This is an attempt to reduce outputs other than products.



Management of Contained Chemical Substances

Survey of contained chemical substances

We survey the contained chemical substances at the stage of part selection from the viewpoint of part life-cycling, in order to respond to the customers's request to survey the contained chemical substances.

Green procurement

The Group of Soshin Electric companies has proceeded with procurement of parts and materials with the minimum possible environmental impact by conducting a survey of suppliers' environmental quality and making sure that chemical substances were handled adequately.

Requests have been made to suppliers asking them to take necessary action to meet the requirements in the Soshin Electric Group Green Procurement Guidelines.

Analysis with an X-ray fluorescence spectrometer

Parts and materials that possibly contain prohibited substances will be subjected to screening with an X-ray fluorescence spectrometer to confirm that they are free from prohibited substances.

Environmental Report

A pproach to Reduction of Environmental Loads

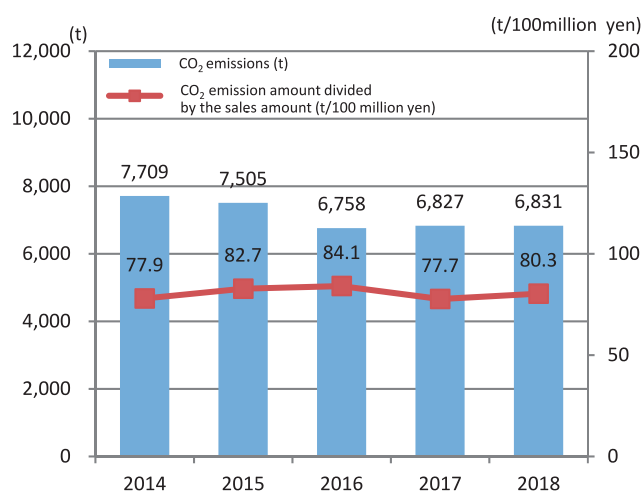
To prevent global warming, we tackled reduction of CO₂ emissions as well as energy saving.

Domestic CO₂ emissions in fiscal 2018 registered 6,831t due to an increase in the sales of noise-related products and thick-film PCBs and CO₂ emission divided by the sales amount was 80.3t/100 million yen. Overseas CO₂ emission in fiscal 2018 registered 397t and the CO₂ emission amount divided by the sales amount was 35.8t/100 million yen.

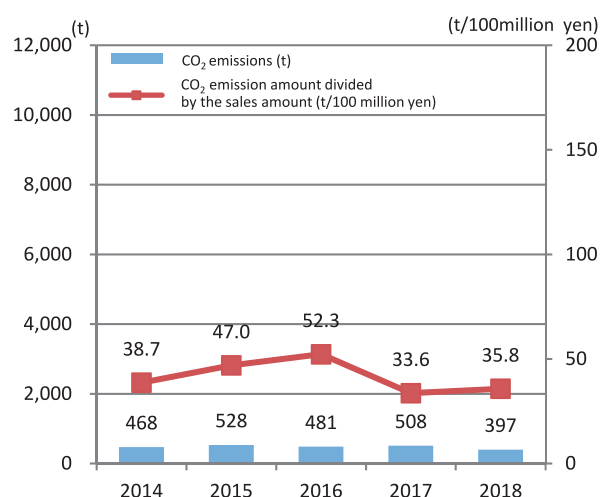
Our target for CO₂ emissions for fiscal 2019 is no greater than 6,997t (with the CO₂ emission amount divided by the sales amount of 76.9t/100 million yen).

◆ CO₂ emissions

【Transition of CO₂ emissions (Japan)】

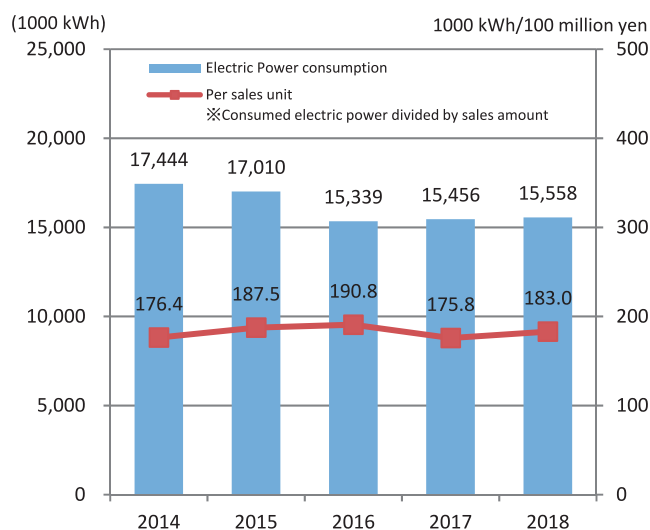


【Transition of CO₂ emissions (Overseas sites)】

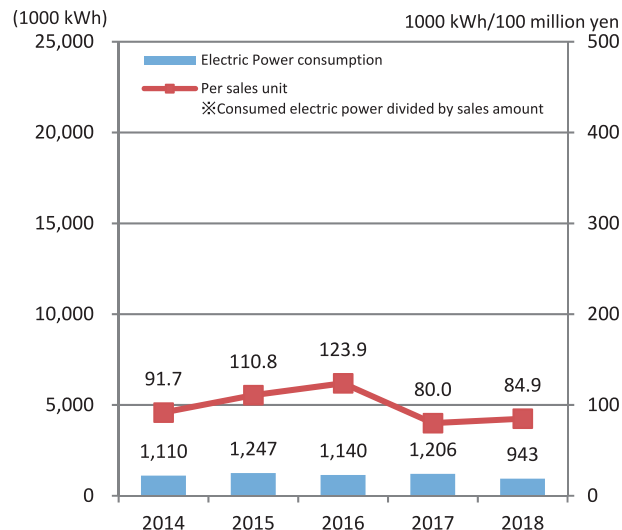


Ref. Electric power consumption

【Domestic sites】



【Overseas site】



Environmental Report

E xamples of energy-saving measures

(1) LED lighting used in Soshin Devices

Lighting in Soshin Device changed from fluorescent lamps to LED light(The annual use of CO₂ was decreased about 52.9% per year.)

Before replacement

Fluorescent Lamp



After replacement

LED Light



(2) Replacement of air conditioners of gas heat-pump type in Chikuma Technical Center and Asama Plant

Chikuma Technical Center and Asama Plant replaced air conditioners of electric package type and heavy-oil boilers with air conditioners of high efficiency gas heat-pump type (resulting in approx. 51% reduction of CO₂ per year).

Before replacement

air conditioners of electric package type



2nd floor of Chikuma Technical Center

After replacement

air conditioners of gas heat-pump type



2nd floor of Chikuma Technical Center

2nd floor of old buildings in Asama Factory



Asama test laboratory



2nd Floor of old buildings in Asama factory



Asama test laboratory



Heavy-oil boiler removed in Asama factory



Use discontinued



Environmental Report

A pproach to Resource Utilization ●

For preservation of the environment, the Group of Soshin Electric companies considers it imperative to make our society recycling-oriented. For this, we will promote “reduce”, “reuse” and “recycle” (3Rs) regarding the waste discharged as a result of business activities as resources.

Of 258t discharged in fiscal 2018, 162t was reused and 96t recycled with zero emissions continuing. Our target for the total discharge amount in fiscal 2019 is 293t, max.

Furthermore, we use no providers of waste disposal services other than those that have earned administrative approval so that disposal services will be provided in compliance with relevant laws. Our control includes issuance of manifests (for control of industrial waste) and retention of disposal records.

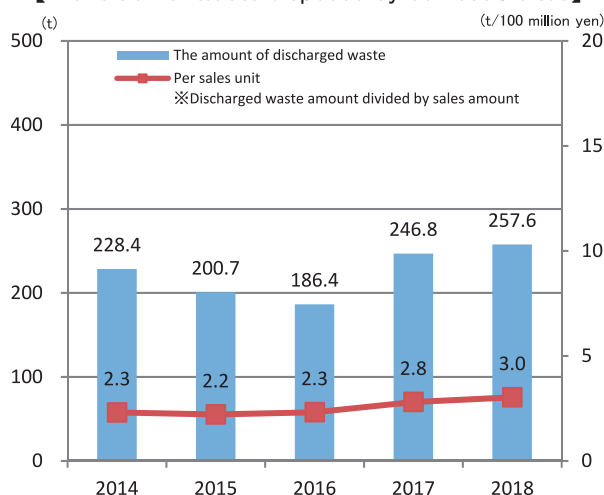
We checked waste disposal service providers through periodic visits to their disposal sites and found that their services were adequate and acceptable.



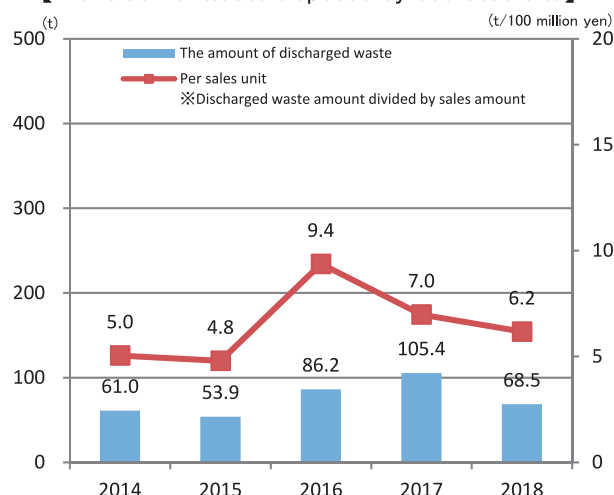
inspection scene of an industrial waste disposal service provider

◆ The amount of discharged waste

【Transition of waste disposed by domestic sites】



【Transition of waste disposed by overseas site】



TOPICS

◆ Marine pollution by plastic

G20 Osaka Summit was held in June 2019. And “Ministrial Meeting on energy conversion and global environment for sustainable development” was held too in Karuisawa-machi. There the marine pollution by plastic was discussed as one of the important themes.

Daily small actions, for example no use of plastic such as abolition of plastic bags at the counter eventually lead to environmental protection. We'll do our best to contribute to protection of global environment by promotion of 3R campaign and enlightenment of social contribution activities such as beautification campaign of the town.



Questionnaire: 2019 Social Responsibility & Environmental Report

We thank you very much for your reading through this 2019 Social Responsibility & Environmental Report of the Group of Soshin Electric companies.

It would be our great pleasure if you kindly let us have your impressions about this report. The impressions you send to us will be used as a valuable reference for our oncoming environmental preservation activities and efforts to generate future reports.

* Please check the boxes of the judgment terms ☒ that best represent your impressions.

Q1 Your impressions about this report

1) Overall impression

☐ Good

☐ Average

☐ Poor

2) Comprehensibility

☐ Good

☐ Average

☐ Poor

3) Content

☐ Good

☐ Average

☐ Poor

Q2 Did any specific articles attract your particular attention? If, yes, please specify:

Article _____ on pages _____

Q3 Please give your impressions or advice about our environmental activities and this report in the space provided below:

We are very grateful for your answers. We would be most obliged if you kindly spend a few more minutes to fill in the following 3 lines, provided that it is not an imposition to you.

*Personal information given here will be used only for the purpose stated above.

Your Name : _____

Male / female, Age : _____

Address : _____

Occupation : _____

Please send your answers to this questionnaire to the e-mail address given below:

To **Soshin Electric Co., Ltd. Environment Control Department**

E-mail: environment@soshin.co.jp

(Tel: 0267-67-4580)



2019

Social Responsibility &
Environmental Report



双信電機株式会社
SOSHIN ELECTRIC CO., LTD.

URL : <http://www.soshin.co.jp>

No.1-1-1, Shibaura, Minato-ku, Tokyo 105-0023, Japan
Tel. 81-3-5730-4500 Fax. 81-3-5730-4504

Environment Control Department
Tel. 81-267-67-4580 Fax. 81-267-68-4553
E-mail: environment@soshin.co.jp

