



Environmental Data Book 2016

ROHM Co., Ltd.

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○Period covered by this Report

Fiscal year 2015: April 1, 2015 to March 31, 2016

○Scope of this Report

This Report covers environmental conservation activities implemented by ROHM Head Office, ROHM Yokohama Technology Center, and 16 ROHM Group Affiliates: 8 domestic affiliates including 3 LAPIS Semiconductor Group companies and 8 overseas affiliates.

RMT that shut down due to the 2011 Thailand floods is not included in the data aggregation for the period of fiscal 2011 to fiscal 2015.

YTC and LAPIS Semiconductor Co., Ltd. have become subject to this Report since fiscal 2014.

SciCrystal, and Kionix are not included in the data aggregation at present,

but it is being considered to include these companies in the data aggregation in the future.

○Abbreviated names for the Overseas Affiliates

For the purposes of this Report, the names of the Overseas Affiliates are abbreviated as follows:

YTC:	ROHM Yokohama Technology Center	(Japan)
REPI:	ROHM Electronics Philippines, Inc.	(Philippines)
RIST:	ROHM Integrated Systems (Thailand) Co.,Ltd.	(Thailand)
RSC:	ROHM Semiconductor (China) Co.,Ltd.	(China)
REDA:	ROHM Electronics Dalian Co.,Ltd.	(China)
RWEM:	ROHM-Wako Electronics (Malaysia) Sdn.Bhd.	(Malaysia)
RMPI:	ROHM Mechatech Philippines, Inc.	(Philippines)
RMT:	ROHM Mechatech (Thailand) Co.,Ltd.	(Thailand)

Environmental Policy

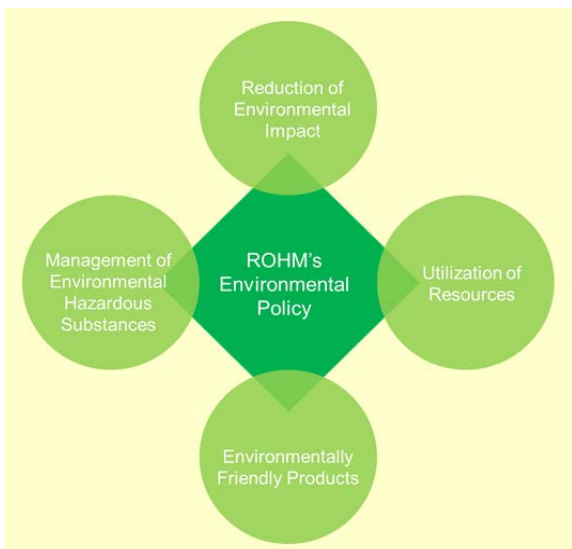
ROHM's Environmental Policy

ROHM's everlasting conscientiousness to preserve the global environment contributes to the healthy existence of humanity and to the continued prosperity of the company.

1. Conserve energy by initiating innovative methods in all corporate activities.
2. Develop environmentally-conscious products that minimize the environmental burden by employing responsible processes throughout the life cycle of each product.
3. Give priority to the procurement of materials and products that have the least levels of adverse impact on the environment.
4. Comply with international and national environmental laws and regional agreements.
5. Endeavor to train employees and encourage our constituents to actively care for their surroundings and the global environment.
6. Develop positive relationships with the community through contributions to the local environment and the proper disclosure of environmental data.
7. We continuously resolve problems by creating and carrying out the environmental objectives, and their action plans. We strive for higher levels of excellence through

ROHM established an Environmental Policy applicable to the entire ROHM Group on October 20, 1997 pursuant to the provisions in the International Environmental Standards ISO 14001. In response to the 2004 revision of ISO 14001, ROHM made a complete revision to the Environmental Policy on April 1, 2006 to provide even more concise, clearer, and more exact descriptions. Furthermore, item that is promoting the continuous improvement of Environmental activity was added on April 1, 2016.

ROHM's Approaches toward Global Environmental Conservation



ROHM has been working on a variety of environmental conservation activities centering on the Environmental Policy.

We believe that corporate activities contributing to the environment are to manufacture environmentally friendly products and yet to reduce our own environmental impact in manufacturing them. Particularly for the prevention of global warming, we are active in a range of the reduction of CO₂ and other greenhouse gases emitted from our business operations.

In addition, we will define long-term environmental targets and policy from the perspective of biodiversity, and have approaches to realize sustainable society.

Environmental Objectives

○Response to Legal Requirements

We shall certainly comply with environmental laws and requirements relating to all business activities and voluntarily promote to reduce the environmental impacts.

○Objectives and Targets of Voluntary Activities

1. CO₂ countermeasures in each site

[Policy] Work to stop global warming through overall energy conservation and the reduction of global greenhouse gas emission.

[Objectives] (1) Reduce CO₂ emission by 25% in FY2020 from the actual results of FY2005.

(2) Reduce CO₂ emission (per production unit) by 50% in FY2020 from the actual results of FY1990.

(3) Reduce global greenhouse gas emission (PFC's SF6, etc) by 50% in FY2020 from the actual results of FY1995.

2. CO₂ countermeasures through value chain

[Policy] The scientific techniques and various kinds of calculation tools including LCA are utilized, and CO₂ reduction activities are promoted.

Development of the environmentally-conscious products in alignment with 'NEXT50' is led, and it contributes to the CO₂ reduction at the time of use.

[Objectives] (1) Reduce CO₂ emission through the value chain by 10% in FY2020 from the actual results of FY2010.

(2) Increase the ratio of environmentally-conscious products that account for product development to 100% by FY2020.

3. Reduction of environmental impact

[Policy] Reduce the amount of materials discharged to the air and water, and strive to preserve the Global environment.

[Objectives] (1) Reduce the amount of handling volume of PRTR substances (per production unit) by 10% in FY2020 from the actual results of FY2010.

(2) Reduce VOC emission by 40% by FY2020 from the actual results of FY2000.

4. Effective use of resources

[Policy] Strive for the effective use of valuable resources and the protection of water resources that are fundamental to environmental biodiversity.

[Objectives] (1) Maintain zero emission in domestic group consolidated and reduce waste generation(per production unit) by 40% by FY2020 from the actual results of FY2000.

(2) Reduce waste generation(per production unit) in overseas group consolidated by 60% by FY2020 from the actual results of FY2000.

(3) Reduce water input volume by 10% in FY2020 from the actual results of FY2009.

(4) Increase the usage ratio of the eco-reel (reduced, compact reel) that comprises the packaging reel to 100% by FY2020.

5. Promotion of original environmental activity at each site

[Policy] Consider the environmental impact, implementation of the new project and all, Set the original target and carry out the environmental activity.

[Objectives] The activity which can be completed at a given single year, the purpose does not set up.

Outline of ROHM's Environmental Conservation Activities

Targets and Results based on Environmental Policy

The ROHM Group defines targets and approaches based on the environmental policy and objectives to formulate an action plan each year toward the accomplishments of the targets and approaches and promote positive activities.

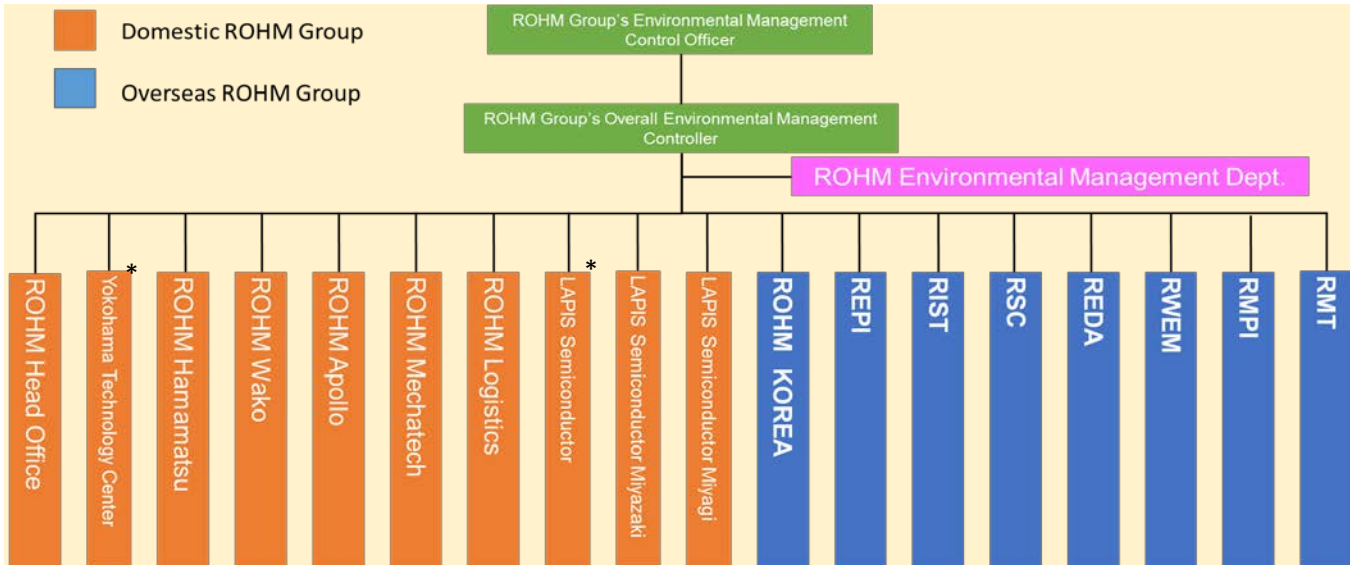
[Targets and Results in Fiscal Year 2015]

Targets in Fiscal Year 2015	Results in Fiscal Year 2015	Evaluation
[CO₂ reduction measures at bases]		
<ul style="list-style-type: none"> ① Reduce CO₂ emissions by 1% from the predicted value based on the 2015 production volume. ② Reduce CO₂ emissions per unit by 1% from the 2014 level. ③ Reduce greenhouse gas (i.e. PFCs, SF₆) emissions by 1% from the predicted value based on the 2015 production volume. 	<ul style="list-style-type: none"> ① CO₂ emissions were reduced by 7.3% from the predicted value based on the 2015 production volume. ② CO₂ emissions per unit production were increased by 0.2% from the 2014 level. ③ Greenhouse gas (i.e. PFCs, SF₆) emissions were reduced by 22.2% from the predicted value based on the 2015 production volume. 	☆☆
[CO₂ reduction measures through value chains]		
<ul style="list-style-type: none"> ① Formulate a model to calculate greenhouse gas emissions based on the GHG Protocol Scope 3, and disclose the emissions. ② Increase the ratio of eco-friendly products that comprise sales profits to 75%. 	<ul style="list-style-type: none"> ① The GHG Protocol employment model according to Category Scope3 is utilized, and six categories are exhibited. ② The development ratio of eco-friendly products is 88%. 	☆☆
[Reduction of environmental impact]		
<ul style="list-style-type: none"> ① Maintain the 2014 results of PRTR substances handled per unit. ② Reduce VOC emissions by 1% from the value predicted based on the 2015 production volume. 	<ul style="list-style-type: none"> ① Reduced the PRTR substances handled per unit by 12.7% from the 2014 level. ② Reduce VOC emissions by 15.7% from the predicted value based on the 2015 production volume. 	☆☆☆
[Effective utilization of resources]		
<ul style="list-style-type: none"> ① Maintain zero emissions at domestic consolidation and the 2014 results of waste volume (per unit production) handled per unit. ② Maintain the 2014 results of the volume of consolidated waste overseas (per unit production) . ③ Reduce water consumption by 1% from the value predicted based on the 2015 production volume. ④ Raise the proportion of use of Eco reels (volume- and weight-reduced reels) to that for packaging reels to 60% by the end of 2015. 	<ul style="list-style-type: none"> ① Zero emissions were maintained at all domestic companies, Waste emissions per unit was reduced by 4.2% from the 2014 level. ② Waste emissions per unit at overseas companies was reduced by 0.6% from the 2014 level. ③ Water consumption was reduced by 5.8% from the the value predicted based on the 2015 production volume. ④ Raised the proportion of use of Eco reels (volume- and weight-reduced reels) to that for packaging reels to 79%. 	☆☆☆

Outline of ROHM's Environmental Conservation Activities

Environmental Management System

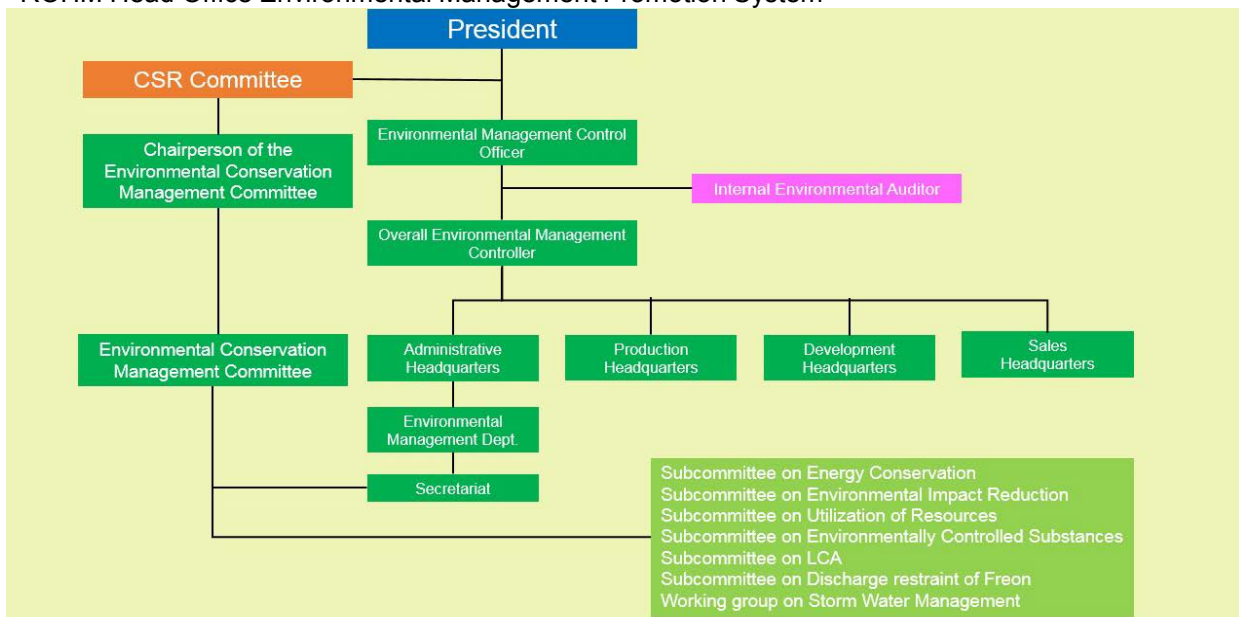
ROHM Group's Environmental Management Promotion System



ROHM has deployed across the ROHM Group an environmental management system designed to be shared among the Group on the basis of the International Environmental Standard ISO 14001 and all employees have been working on continual environment improvements.

Furthermore, the ROHM Group has been implementing constant environmental activities from a global perspective on a consolidated basis.

ROHM Head Office Environmental Management Promotion System



ROHM started the environmental management promotion system in its Head Office in 1990 mainly to conduct pollution prevention activities, and rebuilt it afterward to a promotion system taking environmental conservation with a view to the global environment as a principle behind its activities. In this rebuilt promotion system, the "Environmental Conservation Measures Committee" that deliberates significant policies and measures relating to the environmental activities, and six Subcommittees and one Working group that comprise the Committee are playing an important role in the promotion system. The Subcommittees are composed of experts in the relevant field, engineers, and related national qualification holders, and the chairpersons of the Subcommittee serve as members of the Environmental Conservation Measures Committee. The Management Committee and Subcommittees and Working group meetings are held on a monthly basis.

Highlights of Environmental Impact

Domestic Bases

INPUT

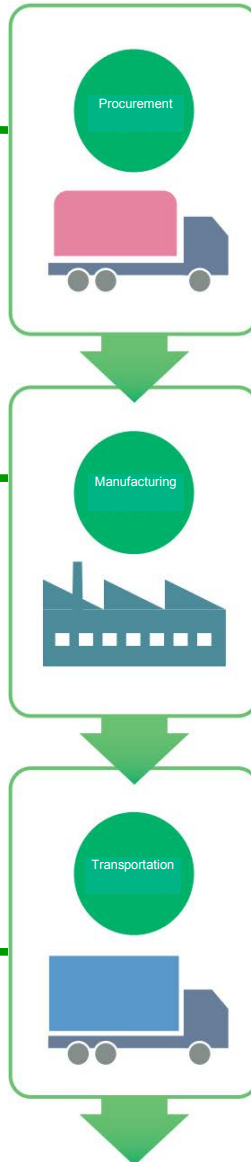
Raw materials

Item	Amount of environmental load	Amount of environmental load		
		FY2013	FY2014	FY2015
Metal (1,000t)	0.3	0.3	0.4	
Plastics (1,000t)	0.2	0.3	0.4	
Chemicals (1,000t)	16	18	17	
Paper (1,000t)	0.2	0.5	0.5	
Others (1,000t)	0.5	0.4	0.5	

Energy

Item	Amount of environmental load	Amount of environmental load		
		FY2013	FY2014	FY2015
Electricity (1,000kWh)	756	769	788	
Gas (1,000m ³)	4,748	4,307	4,007	
Oil (1,000kl)	9	12	9	
Water (1,000m ³)	5,929	6,001	6,137	

Item	Amount of environmental load	Amount of environmental load		
		FY2013	FY2014	FY2015
Gasoline (1,000kl)	172	175	171	



OUTPUT

Products

Item	Amount of environmental load	Amount of environmental load		
		FY2012	FY2013	FY2014
Products (t)	355	408	*466	

*The cause of an increase of weight is because the quantity of production increased.

Waste

Item	Amount of environmental load	Amount of environmental load		
		FY2013	FY2014	FY2015
Amount of waste discharged (t)	6,540	6,810	6,734	
Amount of waste disposed of as landfill (t)	1	1	1	

Emissions into atmosphere

Item	Amount of environmental load	Amount of environmental load		
		FY2013	FY2014	FY2015
CO ₂ (1,000t)	321	329	331	
PFC (1000t-CO ₂)	90	106	97	
NO _x (t)	92	99	*55	
SO _x (t)	64	71	*48	
Chemical substances (t)	52	54	50	

In the FY2015, the request of home power generation quantity from an Electric Power Co decreased, and the consumption of the heavy oil were decreased.

Emissions into waters

Item	Amount of environmental load	Amount of environmental load		
		FY2013	FY2014	FY2015
BOD (t)	78	85	84	
COD (t)	18	24	30	
Chemical substances (t)	93	83	82	
Amount of effluent (1,000m ³)	3,979	4,002	4,252	

Item	Amount of environmental load	Amount of environmental load		
		FY2013	FY2014	FY2015
CO ₂ (t)	452	458	447	

Overseas Bases

INPUT

Raw materials

Item	Amount of environmental load	Amount of environmental load		
		FY2013	FY2014	FY2015
Metal (1,000t)		3.5	3.9	3.5
Plastics (1,000t)		4.1	4.3	3.9
Chemicals (1,000t)		2.8	2.9	2.6
Paper (1,000t)		2.5	2.6	2.3
Others (1,000t)		0.7	0.7	0.7

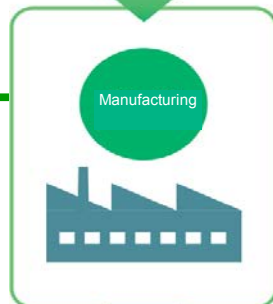
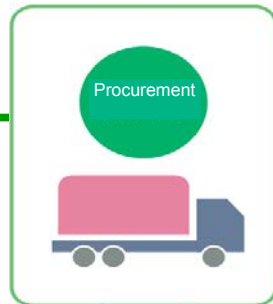
Energy

Item	Amount of environmental load	Amount of environmental load		
		FY2013	FY2014	FY2015
Electricity (1,000kWh)		591	609	594
Gas (1,000m ³)		104	142	*1495
Oil (1,000kl)		5	6	*2
Water (1,000m ³)		3,604	3,818	3,686

*It is because the boiler fuel of REDA was changed to town gas that the amount of the gas used increased.

It is based on use abolition of coal that the amount of the oil used was halved.

(In China, since many coal is used, so coal energy's amount convert to heavy oil energy's amount .)



OUTPUT

Products

Item	Amount of environmental load	Amount of environmental load		
		FY2013	FY2014	FY2015
Products (t)		9,504	9,837	8,121

Waste

Item	Amount of environmental load	Amount of environmental load		
		FY2013	FY2014	FY2015
Amount of waste discharged (t)		5,746	6,131	5,652
Amount of waste disposed of as landfill (t)		624	573	499

Emissions into atmosphere

Item	Amount of environmental load	Amount of environmental load		
		FY2013	FY2014	FY2015
CO ₂ (1,000t)		237	244	227
NOx (t)		1	*4	*63
SOx (t)		0	*9	*66
Chemical substances (t)		0	1	1

The private electric generator of REPI which had stopped 2011 to middle in 2014 is resumed , so Heavy oil use restart .

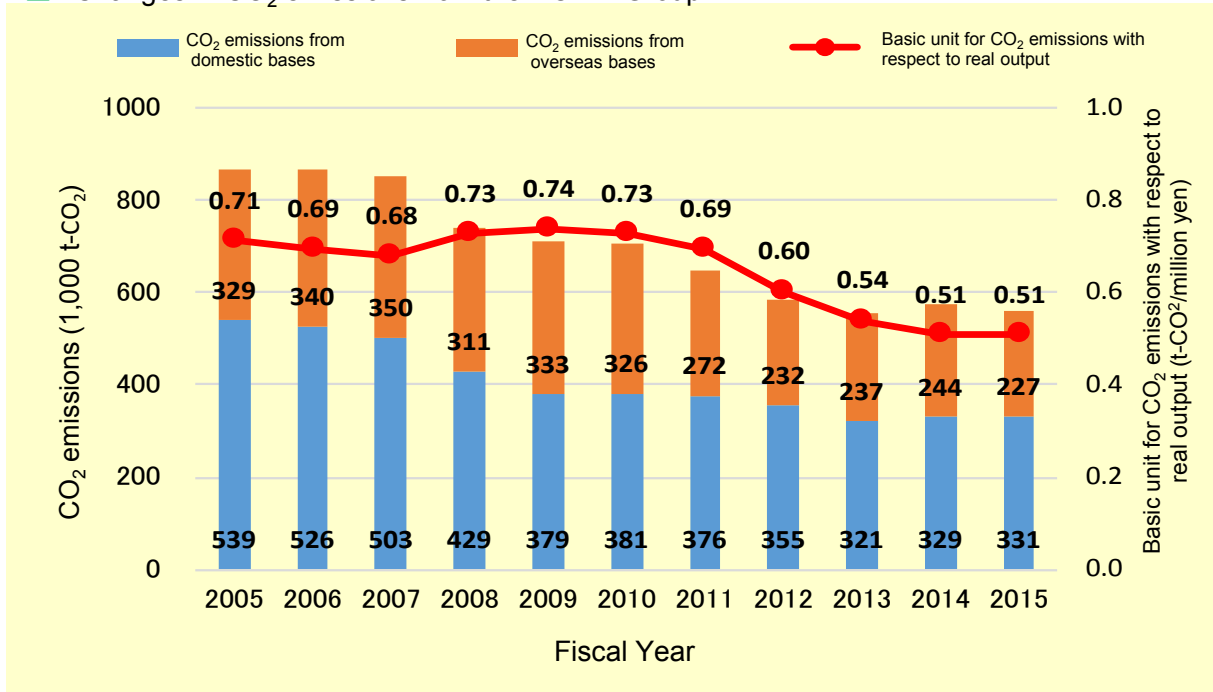
Emissions into waters

Item	Amount of environmental load	Amount of environmental load		
		FY2013	FY2014	FY2015
BOD (t)		26	16	13
COD (t)		81	56	49
Chemical substances (t)		1	1	1
Amount of effluent (1,000m ³)		1033	1,440	1,372

Changes in Emissions of Environmentally Hazardous Substances

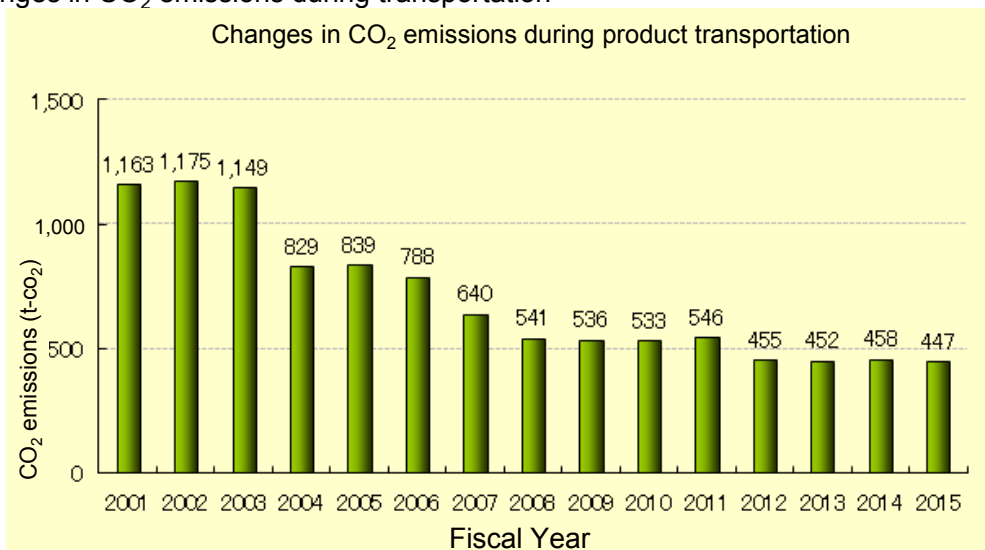
Changes in CO₂ Emissions

Changes in CO₂ emissions from the ROHM Group



ROHM has been pushing ahead with and boosting the shift of downstream process overseas due to the globalization of production bases. This resulted in the reduction of CO₂ emissions from domestic bases by 39% in fiscal year 2015 compared to fiscal year 2005. Furthermore, the basic unit for CO₂ emissions with respect to real output reduced by 56% in fiscal year 2015 compared to fiscal year 1995.

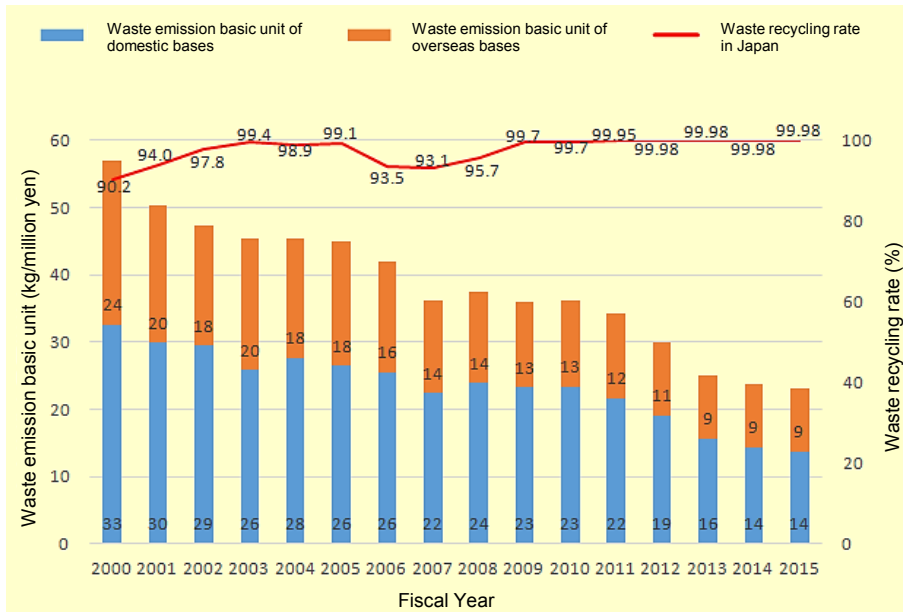
Changes in CO₂ emissions during transportation



Amid growing social concerns about environmental impact reduction in the logistics field, ROHM has been working on the reduction of CO₂ emissions caused by fuel consumption through transportation by road since fiscal year 2004 with measures taken for the transportation of products from production bases, including improvement in loading efficiency and the optimization of delivery frequency by the use of cross-docking. ROHM continued to integrate transport operations and focused on approaches to the reduction of CO₂ emissions, thus achieving the reduction by 16% in fiscal year 2015 compared to fiscal year 2010.

Changes in Emissions of Waste and PFC Gases

■ Waste emission basic unit (domestic and overseas bases) and recycling rate (domestic bases) of the ROHM Group



Regarding measures to reduce the volume of waste, ROHM Group companies optimize the amount of incoming and secondary materials and strive to increase yield as well as thoroughly separate unneeded materials generated to obtain valuable resources. In addition, the ROHM Group has defined a waste recycling rate of at least 99% as 'zero emissions.' And after reaching this target at all domestic companies in fiscal year 2009, the group continues to strive towards a true 100% recycling rate (99.98% in fiscal year 2015). Waste emission basic unit were reduced by 65% from the 2000 level.

■ Changes in PFC Gas Emissions

What is PFC gas (Perfluorocarbon gas)?

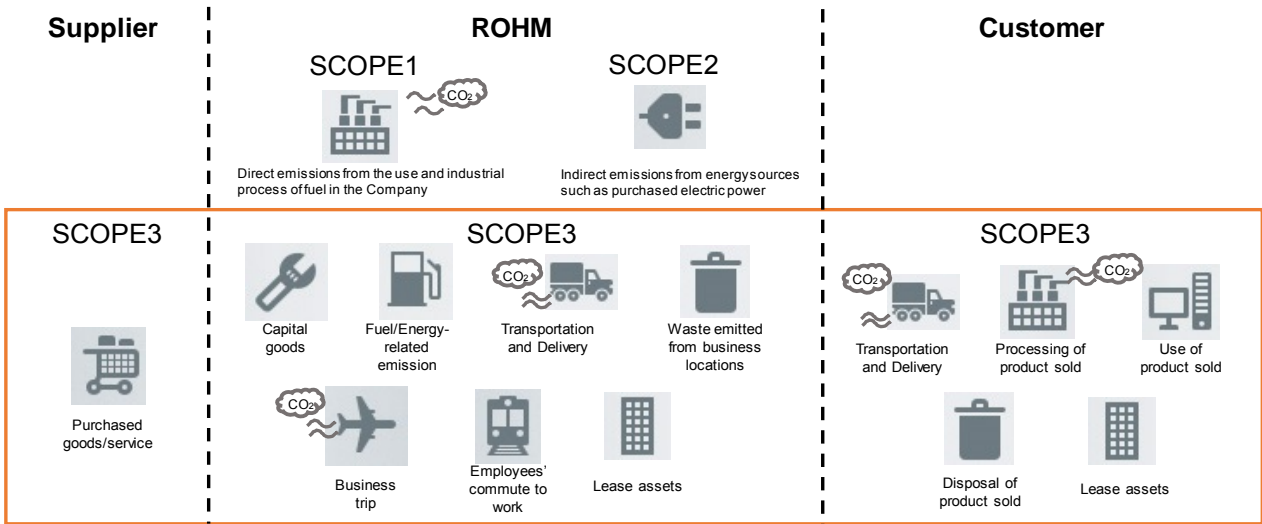
PFC gas is a material essential for fine processing of semiconductors, especially ICs. This PFC gas will turn to a greenhouse gas that produces greenhouse effect 6,500 times as high as CO₂ when it is released into the atmosphere. The semiconductor industry has determined a target for reduction in the PFC gas emissions and promoted the installation of PFC gas treatment systems used to dissolve PFC gases and eliminate the



The ROHM Group promoted the installation of PFC gas treatment systems and reduced PFC gas emissions by 68% in fiscal year 2015 compared to fiscal year 1995.

CO₂ Emissions under the Scope3 Standard

Domestic and Overseas Bases



CO₂ emissions from the ROHM Group's business operations in fiscal 2015

Category of Scope Protocol			CO ₂ Emissions (t-CO ₂)	Outline of Calculation	Verification
SCOPE1 (Direct emissions)			42,904	Direct emissions from facilities in the Company's own business locations	○
SCOPE2 (Indirect emissions from energy sources)			515,335	Emissions associated with the production of energy purchased by the Company's business locations	○
SCOPE3 (Emissions from any sources other than Scope1 and Scope2, such as Company's supply chains)	Classification	Category	CO ₂ Emissions (t-CO ₂)	Outline of Calculation	
	Upstream	1 Purchased product/service	363,198	Emissions associated with the manufacturing of purchased product (including material and part)	
	Upstream	2 Capital goods			
	Upstream	3 Fuel- and energy-related activities not included in Scope1 and Scope 2	48,281	Emissions associated with the procurement of fuel and energy used in the Company's business locations	
	Upstream	4 Transportation and Delivery (Upstream)	33,086	Emissions associated with the distribution of sold product from the Plant → Logistics base → Consumer	○
	Upstream	5 Waste emitted from business operations	298	Emissions associated with the transportation and treatment of waste generated in the Company's business locations	
	Upstream	6 Business trip	1,963	Emissions associated with the business trips of employees	
	Upstream	7 Employers' commute to work	704	Emissions associated with the movement of employees when they commute to the Company to work.	
	Upstream	8 Lease assets (Upstream)	-	Not covered	
	Downstream	9 Transportation and Delivery (Downstream)			
	Downstream	10 Processing of product sold			
	Downstream	11 Use of product sold			
	Downstream	12 Disposal of product sold			
	Downstream	13 Lease assets (Downstream)	-	Not covered	
	Downstream	14 Franchising	-	Not covered	
Downstream	15 Investment				

Independent Verification of Environmental Data

The ROHM Group received an independent verification of its environmental impact data by Bureau Veritas Japan Co., Ltd. in order to disclose information to society with higher transparency and reliability.

[Scope of Verification]


Scope 1 and 2 12 domestic sites

Scope 3, Category 4: Upstream Transportation and Distribution:

Product transportation between 8 domestic manufacturing sites, 1 domestic logistics center, 6 overseas manufacturing plants, and 9 overseas sales companies and domestic and overseas

**Environmental Performance Data
Independent Verification Report**

To: Rohm Co., Ltd.



May 23, 2016

Bureau Veritas Japan Co., Ltd.
System Certification Services Headquarters

Bureau Veritas Japan Co., Ltd. (Bureau Veritas) has been engaged by Rohm Co., Ltd. (Rohm) to conduct independent verification of its environmental data selected for inclusion in its Environmental Data Book 2016 (the Data Book), issued under the responsibility of Rohm. The aim of the verification is to consider the accuracy of environmental data detailed in the Data Book and to provide a verification opinion based on objective evidence.

1. Verification Outline
Environmental Impact data generated through business operations in FY2015 (April 1, 2015 through March 31, 2016)

Scope of Verification	Site Visited	Verification Methodology
Energy use through business operations of Rohm Group's 12 sites within Japan	- Rohm's head office - ROHM Wako Co., Ltd - LAPIS Semiconductor Miyagi Co., Ltd.	- Review of documentary evidence produced by Rohm's head office and the sites visited - Interviews with relevant personnel of Rohm's head office and the sites visited
CO ₂ emissions from energy use through business operations of Rohm Group's 12 sites within Japan		- Site inspection and review of data monitoring procedures - Comparison between the reported data and supporting documentary evidence
Category 4 of Scope 3 GHG emissions accounted in line with the GHG Protocol's 'Corporate Value Chain (Scope 3) Accounting and Reporting Standard'	- Rohm's head office	- Review of documentary evidence produced by Rohm's head office - Interviews with relevant personnel of Rohm's head office - Comparison between the reported data and supporting documentary evidence

This verification was conducted using Bureau Veritas' standard procedures and guidelines for external verification of non-financial reporting, based on current best practice. Bureau Veritas refers to the International Standard on Assurance Engagements (ISAE) 3000 in providing a limited assurance for the scope of work stated herein.


2. Findings
Environmental Impact data generated through business operations in FY2015
Based on the verification work and process followed:
- the environmental impact data stated in the Data Book is consistent with the data collected and consolidated by Rohm's Head Office;
- there is no evidence to suggest that environmental impact data reported by the sites visited to Rohm's Head Office are not free from significant error.

Bureau Veritas has implemented a code of ethics across its business which is intended to ensure that all our staff maintain high standards in their day to day business activities. We are particularly vigilant in the prevention of conflicts of interest. Bureau Veritas activities for Rohm are for sustainability reporting verification only and we believe our verification assignment did not raise any conflicts of interest.

Environmental Performance Data
Independent Verification Report

GREENHOUSE GAS EMISSIONS VERIFICATION STATEMENT

To: Rohm Co., Ltd.



May 23, 2016

Bureau Veritas Japan Co., Ltd.
System Certification Services Headquarters

Bureau Veritas Japan Co., Ltd. (Bureau Veritas) was engaged by Rohm Co., Ltd. (Rohm) to conduct verification of the greenhouse gas (GHG) emissions for FY 2015 reported in its Environmental Data Book 2016.

1. Scope of Verification
Rohm requested Bureau Veritas to verify, to a limited level of assurance, the accuracy of the following GHG information:
1) Scope 1 and Scope 2 GHG emissions:
CO₂ emissions from energy use through business operations of Rohm Group's 12 sites within Japan for the period of April 1, 2015 through March 31, 2016
2) Scope 3 GHG emissions accounted and reported in line with the GHG Protocol's 'Corporate Value Chain (Scope 3) Accounting and Reporting Standard':
Category 4 – the emissions from transportation of products sold by Rohm Group for the period of April 1, 2015 through March 31, 2016

2. Methodology
Bureau Veritas conducted the verification in accordance with the requirements of the international standard 'ISO 14064-3:2006: Greenhouse gases - Part 3: Specification with guidance for the validation and verification of greenhouse gas assertions'.
As part of Bureau Veritas' assurance, the following activities were undertaken:
- Interviews with relevant personnel of Rohm responsible for the identification and calculation of GHG emissions;
- Review of Rohm's information systems and methodology for collection, aggregation, analysis and review of information used to determine GHG emissions; and
- Audit of a sample of source data to check accuracy of quantified GHG emissions.

3. Conclusion
Based on the verification work and processes followed, there is no evidence to suggest that the GHG emissions assertions shown below:
- are not materially correct and are not a fair representation of the GHG emissions, as per the scope of work;
- are not prepared in accordance with the methodology for calculating GHG emissions established and implemented by Rohm.

Verified greenhouse gas emissions		
Scope 1	Scope 2	Scope 3
33,131 t-CO ₂ e	298,010 t-CO ₂ e	33,086 t-CO ₂ e

[Statement of independence, impartiality and competence]
Bureau Veritas is an independent professional services company that specializes in Quality, Health, Safety, Social and Environmental management with over 150 years history in providing independent assurance services. No member of the verification team has a business relationship with Rohm, its Directors or Managers beyond that required of this assignment. We conducted this verification independently and to our knowledge there has been no conflict of interest. Bureau Veritas has implemented a Code of Ethics across the business to maintain high ethical standards among staff in their day-to-day business activities. The verification team has extensive experience in conducting assurance over environmental, social, ethical and health and safety information, systems and processes, has an excellent understanding of Bureau Veritas standard methodology for the verification of greenhouse gas emissions data.

Greenhouse Gas Emissions
Verification Report

[Comment of Verifier]

Through the verification of the states of tabulating data in the 12 domestic sites and Head Office, It was confirmed that the mechanism of reporting to Head Office numerical values calculated according to the procedure functioned with certainty in all the foregoing sites and tabulated data with high reliability through automatic calculations. The effect of these activities is expected to spread throughout the entire ROHM Group.

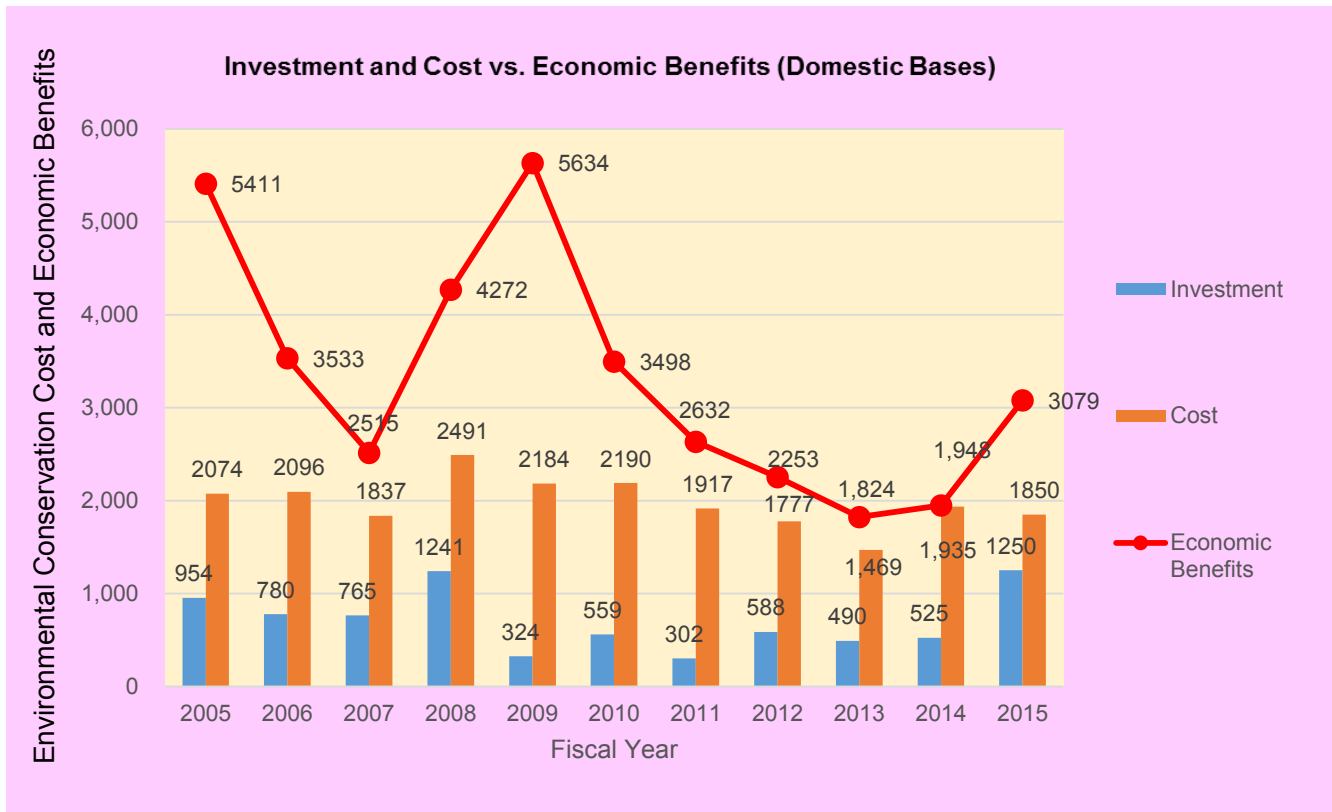
Environmental Accounting

Domestic Bases

(Unit: Millions of yen)

Category of cost under the Guidelines	FY2013			FY2014			FY2015		
	Investment	Cost	Economic Benefits	Investment	Cost	Economic Benefits	Investment	Cost	Economic Benefits
Pollution prevention cost	69	841	-	135	1,074	-	172	1,034	-
Global environmental conservation cost	361	118	758	374	225	926	* 1,057	238	* 1,932
Resource recycling cost	11	251	1,065	1	324	1,023	1	258	1,147
Administration cost	49	255	-	14	309	-	21	316	-
Social activity cost	0	4	-	0	4	-	0	4	-
Environmental remediation cost	0	0	-	0	0	-	0	0	-
Others	0	0	-	0	0	-	0	0	-
Total	490	1,469	1,824	525	1,935	1,948	1,251	1,850	3,079

*Updating to the energy-saving equipment in each site was

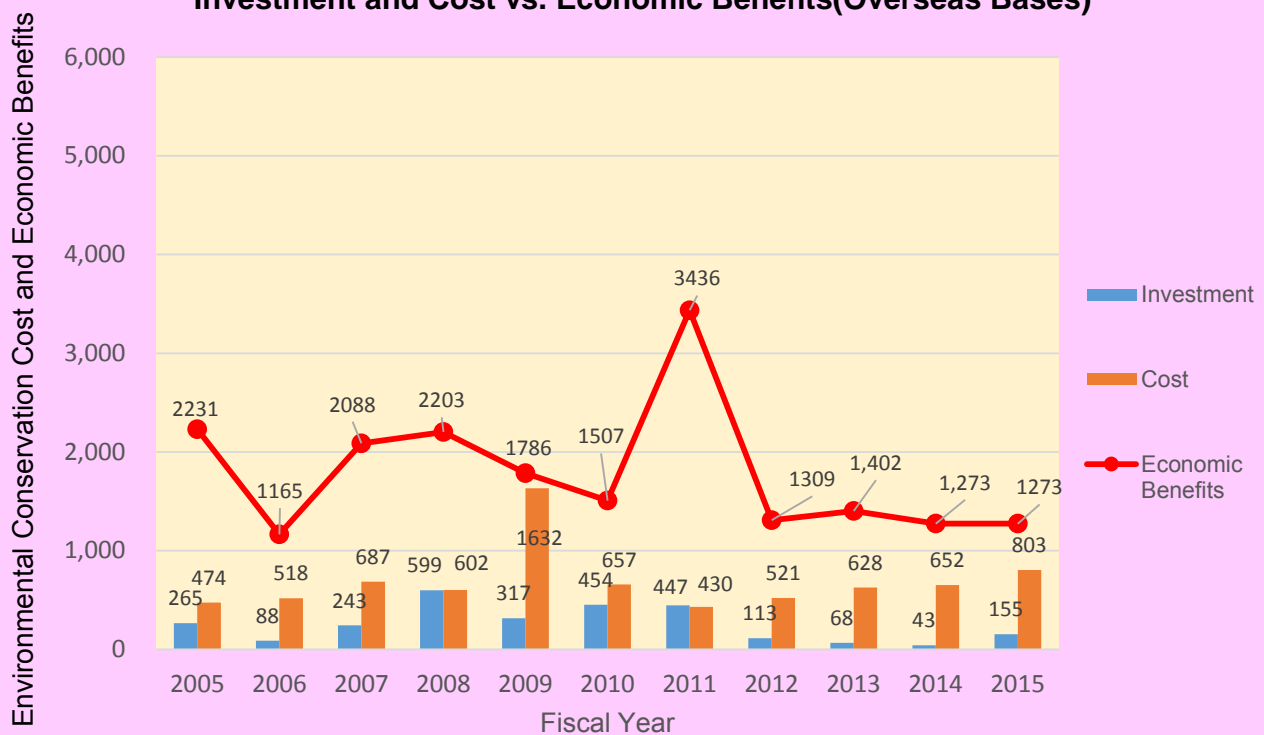


Overseas Bases

(Unit: Millions of yen)

Category of cost under the Guidelines	FY2013			FY2014			FY2015		
	Investment	Cost	Economic Benefits	Investment	Cost	Economic Benefits	Investment	Cost	Economic Benefits
Pollution prevention cost	12	350	-	3	424	-	3	470	-
Global environmental conservation cost	55	43	491	38	39	338	143	6	425
Resource recycling cost	23	65	818	23	89	1,064	2	238	848
Administration cost	1	48	-	3	58	-	7	69	-
Social activity cost	0	1	-	0	2	-	0	1	-
Environmental remediation cost	0	0	-	0	0	-	0	0	-
Others	0	14	-	0	16	-	0	19	-
Total	92	521	1,309	67	628	1,402	155	803	1,273

Investment and Cost vs. Economic Benefits(Overseas Bases)



Social contribution through products



Nighttime illumination of Kamigamo Shrines

Cooperate with Awareness-raising Activities for Cultural Preservation

We collaborated to provide nighttime illumination of Kamigamo and Shimogamo Shrines as part of “the 51st Special Viewing of Privately Owned Properties in Kyoto” from October to November 2015. At the venues, where traditional Shinto music and dance were performed, ROHM EnOcean wireless switches, which requires no batteries, wiring, or maintenance, were used to control the stage lighting.

Environment Month Environment Poster Contest

The ROHM Group has dedicated the month of June, in which World Environment Day falls, as Environment Month, and has held a ROHM Group Environmental Poster Contest by calling for posters and slogans related to environmental matters. Every year, we receive the increasing number of applications as well as artworks that take the environmental issues seriously.



Grand Prix



Award for Excellence



Award for Excellence

Approaches to Environmental Communications

Approaches in “Environmental Conservation”



ROHM HAMAMATSU
Welcome Clean Project
(The Enshu Nada Open Sea cleaning)



ROHM WAKO
Refresh SETOUCHI Project
(Seashore cleanup campaign)



ROHM LOGISTICS
AMAKUSA Park Cleanup Campaign



ROHM APOLLO IKUHASHI
Cleanup NAGAIHAMA Lake



RWEM
Cleanup Campaign in PANTAI Beach



REDA
Afforestation Project



ROHM KOREA
One Company Cleanup
One River Campaign



REPI
Plant of a fry to the LAGUNA Lake

Approaches in “Environmental Education”



The ROHM Group has provided environmental education for elementary school students in Kyoto-city from FY2010. In the education program, we give the opportunities for them to experience the energy-saving effects such as comparing the energy-consumption of LED and miniature bulbs by using a human powered generator besides the lecture about global-warming’s mechanism, and energy-saving tips that can be performed at home or school. The ROHM Group will continuously develop these kinds of activities that help children understand the value of global environment.

Environmental Awards

Selected to the CDP Water Program "A LIST"



Selected CDP Water Program A LIST

ROHM was selected to “the CDP Water Program A LIST” in FY2015 as a leading company that takes action to improve water security and manage water resources. A LIST, the highest rank, emphasizes companies that make a great effort and progress to manage water resources in a sustainable way. Those companies in A LIST are selected and announced by a non-governmental organization, CDP that has the largest amount of corporate self-reported environmental data including water resource in the world while representing institutional investors in world-wide. Water resource is an essential for the production of semiconductors. ROHM works on the management of water consumption as well as the reduction of industrial wastewater globally. Also, we have established a Business Continuity Management system that can respond to a variety of risks including floods. Considering these water-related initiatives, we received such high evaluation.

Received Award for Excellence at Environmental



Award for Excellence

On February 24, 2016, “ROHM Group Innovation Report 2015” received an award for excellence at “Environmental Communication Awards” sponsored by the Global Environmental Forum. This annual awarding system works to recognize outstanding environmental reports that promote the environmental communication and improve the quality of environmental information at companies. The award is given to companies that progressively work on the environmental initiatives related to “sustainability,” “global-warming,” and “biodiversity” and new information disclosure system. ROHM provide information disclosure in a more transparent and reliable manner by receiving third-party verification on its environmental impact data. Considering these initiatives, we could receive the award this time.

RSC received the Environmental Excellence Company Award



State of the award ceremony

On June 5, 2015, RSC received the “Environmental Excellence Company Award” in Tianjin Economic-Technological Development Area, China. The Environmental Excellence Company Award is given to companies that achieved excellent activities for environmental impact reduction. RSC has won this Award for three consecutive years.

Site Reports (Domestic and Overseas Bases)

ROHM Co., Ltd. 21 Saiin Mizosaki-cho, Ukyo-ku, Kyoto 615-8585, Japan



		2013	2014	2015
Power consumption	kWh	77,167,000	78,805,000	81,613,000
Fuel consumption	kl	1,012	1,091	1,465
Water consumption	1,000 m ³	750	607	801
Total waste emissions	t	394	456	464
Amount of waste finally disposed of as landfill	t	0	0	0
Waste recycling rate	%	100	100	100
Emissions into the atmosphere: NOx	t	1.1	3.3	3.3
Emissions into waters: BOD	t	5.0	2.1	1.9

■Manufacturing items:
Electronic parts, including semiconductors

■PRTR Unit: tons

PRTR Ordinance number	Substances covered	2013	2014	2015
		Amount handled	Amount handled	Amount handled
374	Hydrogen fluoride and its water-soluble salts	13.0	13.9	15.9

ROHM Yokohama Technology Center 2-4-8 Shin Yokohama, Kohoku-ku, Yokohama 222-8575 Japan



		2013	2014	2015
Power consumption	kWh	-	3,006,803	2,757,727
Fuel consumption	kl	-	68	81
Water consumption	1,000 m ³	-	16	16
Total waste emissions	t	-	19	52
Amount of waste finally disposed of as landfill	t	-	0	0
Waste recycling rate	%	-	100	100
Emissions into the atmosphere: NOx	t	-	0.1	0.1
Emissions into waters: BOD	t	-	0.0	0.0

*Included in data aggregation from fiscal 2014

ROHM Hamamatsu Co., Ltd. 10 Sanwa-cho, Minami-ku, Hamamatsu



		2013	2014	2015
Power consumption	kWh	148,573,000	151,422,599	152,138,480
Fuel consumption	kl	4,021	3,341	*2,489
Water consumption	1,000 m ³	1,215	1,211	1,243
Total waste emissions	t	894	699	571
Amount of waste finally disposed of as landfill	t	0.0	0.1	0.1
Waste recycling rate	%	99.99	99.98	99.98
Emissions into the atmosphere: NOx	t	5.7	5.1	4.4
Emissions into waters: BOD	t	52.9	47.9	53.0

■Manufacturing items:
ICs and LEDs

■PRTR Unit: tons

PRTR Ordinance number	Substances covered	2013	2014	2015
		Amount handled	Amount handled	Amount handled
374	Hydrogen fluoride and its water-soluble salts	49.2	56.2	50.9

*By having introduced the turbo freezer, the amount of the gas used became less.

ROHM Wako Co., Ltd. 100 Tomioka, Kasaoka, Okayama



■Manufacturing items:
ICs, diodes, and semiconductor
lasers

		2013	2014	2015
Power consumption	kWh	91,778,200	95,662,900	*88,740,306
Fuel consumption	kl	637	663	*571
Water consumption	1,000 m ³	589	590	581
Total waste emissions	t	1,270	1,392	1,251
Amount of waste finally disposed of as landfill	t	0.3	0.4	0.4
Waste recycling rate	%	99.98	99.97	99.97
Emissions into the atmosphere: NOx	t	1.4	1.8	0.9
SOx	t	0.5	0.7	0.4
Emissions into waters: BOD	t	6.6	10.2	5.5

■PRTR

		Unit: tons		
PRTR		2013	2014	2015
Ordinance number	Substances covered	Amount handled	Amount handled	Amount handled
53	Ethylbenzene	5.7	6.7	5.6
58	Ethylene glycol monomethyl ether	3.6	4.2	3.8
80	Xylene	19.7	22.5	18.2
82	Silver and its water-soluble salts	1.8	2.1	1.8
302	Naphthalene	10.1	11.8	9.3
343	Pyrocatechol	1.1	1.3	1.0
374	Hydrogen fluoride and its water-soluble salts	32.0	36.8	32.6
438	Methyl naphthalene	20.0	21.8	17.6

*Power consumption decreased by having made equipment into energy-saving specification.
*It is based on use of LPG.

ROHM Apollo Co., Ltd. Hirokawa Chukaku Industrial Estate, Hirokawa-cho, Yame-gun, Fukuoka



■Manufacturing items:
ICs, transistors, diodes, SiC,
power modules, etc.

		2013	2014	2015
Power consumption	kWh	145,645,205	148,330,586	151,735,238
Fuel consumption	kl	2,207	2,192	2,120
Water consumption	1,000 m ³	1,253	1,267	1,294
Total waste emissions	t	1,342	1,334	1,320
Amount of waste finally disposed of as landfill	t	0.2	0.3	0.2
Waste recycling rate	%	99.99	99.98	99.98
Emissions into the atmosphere: NOx	t	3.3	4.7	5.4
SOx	t	3.7	6.5	7.9
Emissions into waters: BOD	t	10.0	21.0	20.0
COD	t	4.3	10.2	9.6

■PRTR

		Unit: tons		
PRTR		2013	2014	2015
Ordinance number	Substances covered	Amount handled	Amount handled	Amount handled
53	Ethylbenzene	3.6	3.7	2.8
80	Xylene	2.8	3.0	2.4
341	Piperazine	1	1.4	1.4
374	Hydrogen fluoride and its water-soluble salts	26.0	28.6	29.4
438	Methyl naphthalene	21.9	22.4	21.8

ROHM Mechatech Co., Ltd. 3-6-1 Tsuchida, Ooi-cho, Kameyama, Kyoto



		2013	2014	2015
Power consumption	kWh	2,888,848	2,772,000	2,547,017
Water consumption	1,000 m ³	3	3	4
Total waste emissions	t	18	15	15
Amount of waste finally disposed of as landfill	t	0	0	0
Waste recycling rate	%	100	100	100
Emissions into waters: BOD	t	0.0	0.0	0.0
	COD	t	0.0	0.0

■Manufacturing items:
Molds and dies, and lead frames

LAPIS Semiconductor Miyagi Co., Ltd. 2-4-8 Shin Yokohama, Kohoku-ku, Yokohama 222-8575 Japan



		2013	2014	2015
Power consumption	kWh	-	3,641,259	3,447,789
Fuel consumption	kl	-	70	68
Water consumption	1,000 m ³	-	16	17
Total waste emissions	t	-	8	7
Amount of waste finally disposed of as landfill	t	-	0.2	0.1
Waste recycling rate	%	-	97.49	98.59
Emissions into the atmosphere: NOx	t	-	0.0	0.0
Emissions into waters: BOD	t	-	0.0	0.0

*Included in data aggregation from fiscal 2014

LAPIS Semiconductor Miyagi Co., Ltd. 1 Okinohiradaira, Oohira Mura, Kurokawa-gun, Miyagi



		2013	2014	2015
Power consumption	kWh	114,200,400	114,748,400	128,432,400
Fuel consumption	kl	3,525	3,334	3,361
Water consumption	1,000 m ³	1,234	1,230	1,256
Total waste emissions	t	1,113	1,191	1,482
Amount of waste finally disposed of as landfill	t	0.4	0.3	0.4
Waste recycling rate	%	99.96	99.97	99.97
Emissions into the atmosphere: NOx	t	9	10	12
	SOx	t	6	4
Emissions into waters: BOD	t	2.0	2.0	1.4
	COD	t	12.4	18.4

■Manufacturing items: ICs

■PRTR

Unit: tons

PRTR Ordinance number	Substances covered	2013 Amount handled	2014 Amount handled	2015 Amount handled
278	Triethylenetetramine	1.1	1.6	2.2
343	Pyrocatechol	-	-	1.1
374	Hydrogen fluoride and its water-soluble salts	41.5	39.6	48.8
438	Methyl naphthalene	39.7	37.5	37.7

LAPIS Semiconductor Miyazaki Co., Ltd. 727 Kihara, Kiyotake-cho, Miyazaki city, Miyazaki Pref.



■Manufacturing items:
ICs, diodes, transistors, and SiC

		2013	2014	2015
Power consumption	kWh	163,365,613	169,302,983	175,775,081
Fuel consumption	kl	5,572	4,909	*3199
Water consumption	1,000 m ³	882	922	921
Total waste emissions	t	1,492	1,683	1,559
Amount of waste finally disposed of as landfill	t	0	0	0
Waste recycling rate	%	100	100	100
Emissions into the atmosphere: NOx	t	72	73	36
SOx	t	55	58	22
Emissions into waters: BOD	t	1.6	2.3	2.0
COD	t	1.5	1.8	2.2

■PRTR

Unit: tons

PRTR Ordinance number	Substances covered	2013	2014	2015
		Amount handled	Amount handled	Amount handled
20	2-aminoethanol	6.5	6.6	7.0
50	Ethylene glycol monoethyl ether	1.2	2.4	1.2
80	Xylene	1.1	1.2	-
374	Hydrogen fluoride and its water-soluble salts	22.9	26.5	24.2
438	Methyl naphthalene	65.9	58.0	37.6

*In the FY2015, the request to the quantity from an Electric Power Company decreased home power generation and the quantity of the heavy oil used by that cause became less.

ROHM Logistec Co., Ltd. 75 Masusaka, Kamogata-cho, Asakuchi, Okayama



■Business line:
Logistics management of the ROHM Group's products

		2013	2014	2015
Power consumption	kWh	1,211,453	1,234,389	1,200,246
Fuel consumption	kl	61	0	1
Water consumption	1,000 m ³	4	3	2
Total waste emissions	t	15	15	14
Amount of waste finally disposed of as landfill	t	0.03	0.03	0.03
Waste recycling rate	%	99.79	99.78	99.82
Emissions into the atmosphere: NOx	t	0.1	0.0	0.0
SOx	t	0.0	0.0	0.0
Emissions into waters: BOD	t	0.0	0.0	0.0

ROHM Korea Corporation 371-11 Gasan-Dong, Gumcheon-gu, Seoul 153-803 Korea



		2013	2014	2015
Power consumption	kWh	37,446,843	38,476,627	37,421,227
Fuel consumption	kl	57	50	47
Water consumption	1,000 m ³	102	111	105
Total waste emissions	t	443	463	407
Amount of waste finally disposed of as landfill	t	0.1	0.2	0.4
Waste recycling rate	%	99.98	99.95	99.90
Emissions into waters: BOD	t	0.5	0.2	0.2
COD	t	0.6	0.3	0.6

■Manufacturing items:
ICs, transistors, and diodes

■PRTR

Unit: tons

PRTR		2013	2014	2015
Ordinance number	Substances covered	Amount handled	Amount handled	Amount handled
31	Antimony and its compounds	6.5	6.3	5.1

ROHM Electronics Philippines, Inc. People's Technology Complex Special Economic Zone, Carmona, Cavite 4116 Philippines



		2013	2014	2015
Power consumption	kWh	197,134,000	203,490,116	*193,461,238
Fuel consumption	kl	348	812	*1,448
Water consumption	1,000 m ³	1,146	1,237	1,240
Total waste emissions	t	1,145	952	1,081
Amount of waste finally disposed of as landfill	t	0	0	0
Waste recycling rate	%	100	100	100
Emissions into the atmosphere: NOx	t	0.0	3.4	*62.8
SOx	t	0.1	9.0	*66.2
Emissions into waters: BOD	t	0.3	0.6	1.3
COD	t	0.6	3.6	2.8

■Manufacturing items:
ICs, transistors, and resistors

*Operated generation of electricity facilities by an administrative request, largely increased.

■PRTR

Unit: tons

PRTR		2013	2014	2015
Ordinance number	Substances covered	Amount handled	Amount handled	Amount handled
31	Antimony and its compounds	6.4	6.7	5.5
57	Ethylene glycol	1.0	0.9	0.7
82	Silver and its water-soluble compounds	7.6	8.6	6.8
308	Nickel	11.4	14.2	15.2
309	Nickel compounds	3.5	4.1	4.1

ROHM Integrated Systems (Thailand) Co., Ltd. 101/94, 102 Navanakorn Industrial Zone, Moo 20, Phaholyothin Road, Tambol Khlong-Nueng, Amphur Khlong-Luong, Pathumthani 12120 Thailand



		2013	2014	2015
Power consumption	kWh	150,113,800	166,050,000	168,199,417
Fuel consumption	kl	130	147	197
Water consumption	1,000 m ³	1,118	1,132	1,095
Total waste emissions	t	1,051	1,114	1,015
Amount of waste finally disposed of as landfill	t	0	0	0
Waste recycling rate	%	100	100	100
Emissions into waters: BOD	t	6.1	5.8	5.4
COD	t	27	23	17

■Manufacturing items:
ICs, transistors, diodes, and resistors

■PRTR

Unit: tons

PRTR		2013	2014	2015
Ordinance number	Substances covered	Amount handled	Amount handled	Amount handled
31	Antimony and its compounds	6.0	6.7	5.6
82	Silver and its water-soluble compounds	3.8	4.2	4.0
304	Lead	-	-	1.3
308	Nickel	11.7	12.5	11.2
309	Nickel compounds	4.4	4.5	3.1



		2013	2014	2015
Power consumption	kWh	79,420,000	75,372,000	67,381,000
Water consumption	1,000 m ³	365	346	259
Total waste emissions	t	1,098	1,151	1,108
Amount of waste finally disposed of as landfill	t	512	493	403
Waste recycling rate	%	53.38	57.20	63.62
Emissions into waters: BOD	t	5.5	7.0	4.0
COD	t	15	18	11

PRTR

Unit: tons

PRTR Ordinance number	Substances covered	2013	2014	2015
		Amount handled	Amount handled	Amount handled
31	Antimony and its compounds	1.3	1.2	1.1
37	Bisphenol A	29.8	24.7	10.4
71	Ferric chloride	41.8	45.6	*3.8
82	Silver and its water-soluble compounds	1.6	1.5	1.2
265	Tris (2, 3-epoxypropyl)	12.6	13.6	10.9
291	Lead and its compounds	4.3	4.5	4.2
392	n-hexane	5.3	4.6	2.7

About Ferric chloride, it reduced by substituting. About Bisphenol A and Tris, since the production item was integrated, it reduced.

ROHM Electronics Dalian Co., Ltd.

No. 20 Four Street East & North, Dalian Economic & Technical Development Zone, Dalian 116600 China



		2013	2014	2015
Power consumption	kWh	59,011,346	58,958,848	56,715,092
Fuel consumption	kl	3,417	2,967	2,170
Water consumption	1,000 m ³	519	491	517
Total waste emissions	t	237	245	194
Amount of waste finally disposed of as landfill	t	32	31	20
Waste recycling rate	%	86.37	87.39	89.70
Emissions into waters: BOD	t	1.1	0.9	0.7
COD	t	4	7	13

■Manufacturing items:

Power modules, thermal print heads, contact image sensor heads, photo link modules, lighting, optical sensors, and LED displays

■PRTR

Unit: tons

PRTR Ordinance number	Substances covered	2013	2014	2015
		Amount handled	Amount handled	Amount handled
82	Silver and its water-soluble compounds	2.0	2.2	1.5

ROHM-Wako Electronics (Malaysia) Sdn. Bhd.

Lo1 1320 Kawasan Penindustrian, Peogkalan Chepa II, Padang Tmenbak, 16100 Kota Bharu, Kelantan, Malaysia



		2013	2014	2015
Power consumption	kWh	62,898,000	59,563,125	60,849,477
Fuel consumption	kl	20	18	28
Water consumption	1,000 m ³	383	444	446
Total waste emissions	t	1,025	950	1,123
Amount of waste finally disposed of as landfill	t	80	49	76
Waste recycling rate	%	92.15	94.81	93.21
Emissions into waters: BOD	t	1.0	1.1	1.2
COD	t	3	4	5

■Manufacturing items:

Diodes and LEDs

■PRTR

Unit: tons

PRTR Ordinance number	Substances covered	2013	2014	2015
		Amount handled	Amount handled	Amount handled
20	2-aminoethanol	1.3	1.6	23.2
31	Antimony and its compounds	-	-	38.8
71	Ferric chloride	13.7	19.7	0.0
82	Silver and its water-soluble compounds	-	-	18.1
291	Tris (2, 3-epoxypropyl)	-	-	2.2
297	1,3,5-Trimethylbenzene	-	-	6.5
304&305	Lead and its compounds	7.0	6.0	7.9

About Ferric chloride, it reduced by substituting. About the numerical value which FY2013 and FY2014 have not indicated, the official announcement was started from FY2015.



■ Manufacturing items:
Molds and dies, and lead frames

Fiscal year		2013	2014	2015
Power consumption	kWh	10,421,412	9,869,608	9,260,368
Fuel consumption	kl	47	43	43
Water consumption	1,000 m ³	31	31	24
Total waste emissions	t	669	862	725
Amount of waste finally disposed of as landfill	t	0	0	0
Waste recycling rate	%	100.0	100.0	100.0
Emissions into the atmosphere: NOx	t	0.5	0.0	0.0
SOx	t	0.1	0.0	0.0
Emissions into waters: BOD	t	0.0	0.0	0.1
COD	t	0.0	0.0	0.4