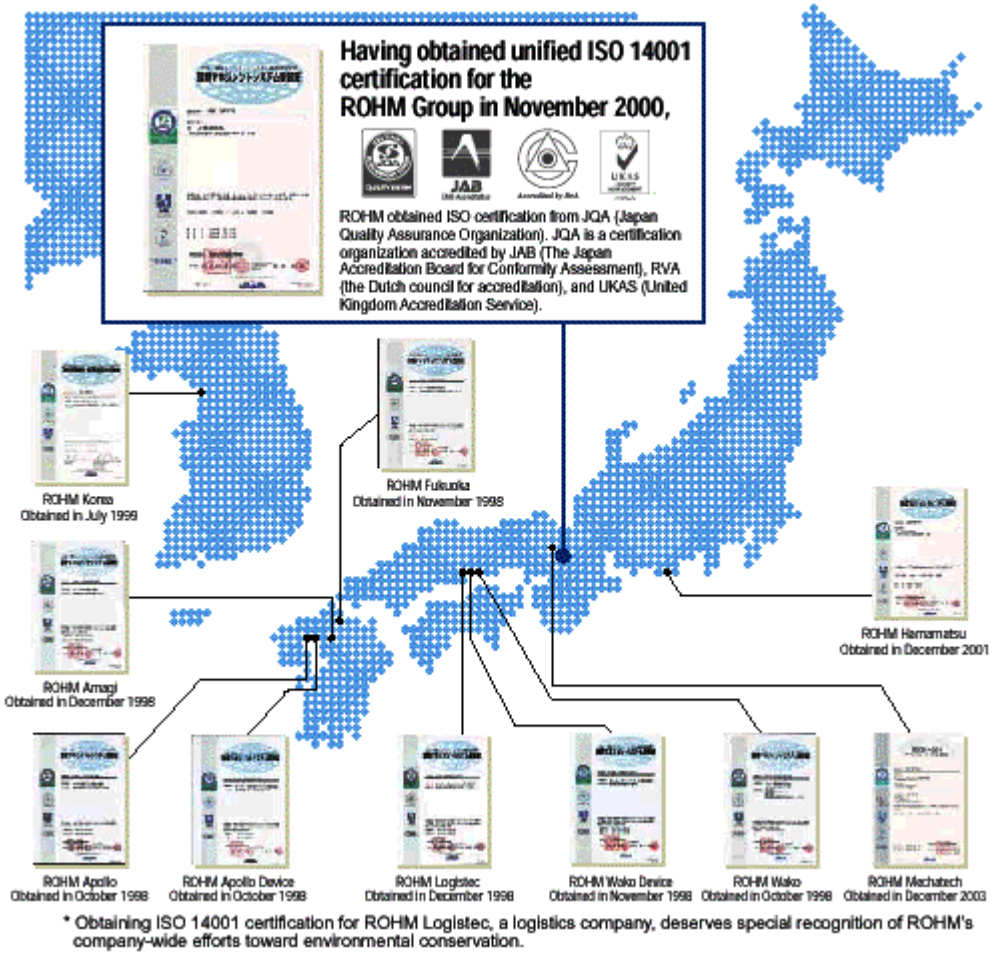
Management system based on the unified ISO 14001 certification

After the ROHM Head Office obtained ISO 14001 certification in May 1998, individual group companies obtained their own certifications. ROHM then applied for unified ISO 14001 certification as a group in 2000. The objective was to place environmental issues on the agenda before the entire group instead of individual companies. From this effort, measures taken by individual companies and the entire group could be clarified, and environmental activities and information combined into a cohesive company-wide strategy. To achieve this goal, ROHM decided that unified ISO 14001 certification would be optimal. Having undergone evaluation by the Japan Quality Assurance Organization in November 2000, the ROHM Group obtained unified ISO 14001 certification. In addition, each overseas-production base has an environmental-management system in place based on the self-declaration of compliance to the ISO 14001 requirements.



Registered certified companies	Certified product/operation range
ROHM Co., Ltd.	Develops, manufactures and sells electronic components including semiconductors
ROHM Wako Co., Ltd.	Manufactures diodes, LEDs, LED displays, semiconductor lasers and semiconductor sensors

ROHM Apollo Co., Ltd.	Manufactures transistors, diodes and tantalum capacitors
ROHM Fukuoka Co., Ltd.	Manufactures monolithic ICs, resistors and capacitors
ROHM Amagi Co., Ltd.	Manufactures power modules, printheads, LCDs and image sensor heads
ROHM Wako Device Co., Ltd.	Manufactures monolithic ICs and diodes (front-end processes)
ROHM Apollo Device Co., Ltd.	Manufactures monolithic ICs and transistors (front-end processes)
ROHM Hamamatsu Co., Ltd.	Manufactures monolithic ICs (front-end processes)
ROHM Logistec Co., Ltd.	Logistics control of ROHM products
ROHM Mechatech Co., Ltd.	Manufactures lead frames and designs, develops and manufactures molding dies
ROHM Korea Co.	Manufactures monolithic ICs, transistors, diodes, LEDs, print heads, LED displays, resistors and sensors

Complying with the RoHS Directive
Controlling products containing environment-burdening substances

ROHM controls chemical substances regulated by environmental laws by eliminating or reducing their use. For substances banned by ROHM, suppliers are requested to submit a written guarantee confirming that the products they supply to ROHM do not contain banned substances. ROHM quantitatively analyzes the contents of supplied products as necessary to check for environment-burdening substances, while periodically monitoring suppliers to confirm appropriate substance control. If a supplier changes the makeup of material delivered to ROHM, the supplier is obliged to inform ROHM of the change and obtain ROHM's approval in advance.
Among the activities for regulating environment-burdening substances, satisfying the European RoHS (Restriction of the use of certain Hazardous Substances) Directive is the most challenging. According to this Directive, lead, mercury, cadmium, hexavalent chromium and specified bromic fire retardants cannot be used in production after July 1, 2006.
With its lead-free products, ROHM has met the RoHS Directive ahead of schedule. Our products are analyzed for lead, mercury, cadmium and hexavalent chromium, among other banned substances. To expedite this task, ROHM Head Office Quality Assurance Division Analysis Group introduced an inductively coupled plasma optical-emission spectroscope (ICP-AES) that can analyze products independently of outside sources.

2003 Environmental Site Report

ROHM CO.,LTD.

Head Office: 21, Saiin Mizosaki-cho, Ukyo-ku, Kyoto 615-8585, Japan

■Electric-power consumption 102,741,000 kwh

■Emissions into the air: NOx 6.3 t

■PRTR Unit(t)

	Substance	Amount used	Amount released	Amount transferred	Amount consumed	Amount eliminated	Amount recycled
45	Ethylene glycol monomethyl ether	4.63					4.63
63	Xylene	2.66	0.05				2.61
172	N,N-dimethylformamide	9.96		9.96			
252	Arsenic and its inorganic compounds	1.53		0.01	0.01		1.51
260	Pyrocatechol	2.03					2.03
283	Hydrogen fluoride and its water-soluble salt	40.83	0.56	2.10		38.17	

ROHM HAMAMATSU CO.,LTD.

10, Sanwa-cho, Hamamatsu, Shizuoka 453-0038, Japan

■Electric-power consumption 8,710,757 kwh

■Fuel consumption 24,829 kl

■Water consumption 881 km^3

■Total amount of waste generated 668 t

■Amount of waste disposed of by landfill 13 t

■Waste-recycling ratio 98.1 %

■Emissions into water: BOD 50 t

COD 13 t

■Emissions into the air: NOx 9.2 t

■PRTR Unit(t)

	Substance	Amount used	Amount released	Amount transferred	Amount consumed	Amount eliminated	Amount recycled
172	N,N-dimethylformamide	87.12		87.12			
283	Hydrogen fluoride and its water-soluble salt	55.24		2.81		52.43	

ROHM WAKO DEVICE CO.,LTD.

55, Tomioka, Kasaoka City, Okayama 714-0092, Japan

■Electric-power consumption		49,567,900 kwh
■Fuel consumption		8,239 kl
■Water consumption		356 km^3
■ Total amount of waste generated		1,100 t
■ Amount of waste disposed of by landfill		4 t
■Waste-recycling ratio		99.6 %
■Emissions into water:	BOD	4 t
■Emissions into the air:	NOx	353 t
	SOx	60 t
	Soot and dust	3 t

■PRTR Unit(t)

	Substance	Amount used	Amount released	Amount transferred	Amount consumed	Amount eliminated	Amount recycled
40	Ethylbenzene	1.41					1.41
45	Ethylene glycol monomethyl ether	3.01					3.01
63	Xylene	26.56					26.56
64	Silver and its water-soluble compounds	1.06			0.71		0.35
283	Hydrogen fluoride and its water-soluble salt	30.21	0.05	0.55		29.61	

ROHM APOLLO DEVICE CO.,LTD.

883, Oaza-Kamikitajima, Chikugo, Fukuoka 833-0033 Japan

■ Electric-power consumption		99,861,965 kwh
■Fuel consumption		1,796 kl
■Water consumption		913 km^3
■Total amount of waste generated		1,484 t
■Waste-recycling ratio		100 %
■Emissions into water:	BOD	12.8 t
	COD	3.1 t
■Emissions into the air:	NOx	2.6 t
	SOx	1.0 t

■PRTR Unit(t)

	Substance	Amount used	Amount released	Amount transferred	Amount consumed	Amount eliminated	Amount recycled
40	Ethylbenzene	1.99	0.01				1.98
63	Xylene	10.14	0.07				10.07
101	Ethylene glycol monoethyl ether acetate	3.13	0.02				3.11
172	N,N-dimethylformamide	23.54	23.54				
283	Hydrogen fluoride and its water-soluble salt	19.65	1.83			16.16	1.66

ROHM WAKO CO.,LTD.

100 Tomioka, Kasaoka City, Okayama 714-8585, Japan

■Electric-power consumption 35,018,000 kwh

■Water consumption 89 km^3

■Total amount of waste generated 718.5 t

■Amount of waste disposed of by landfill 5.6 t

■Waste-recycling ratio 99.2 %

■Emissions into water: BOD 3.2 t

■PRTR Unit(t)

	Substance	Amount used	Amount released	Amount transferred	Amount consumed	Amount eliminated	Amount recycled
16	2-aminoethanol	1.20	0.15				1.05
218	1,3,5-tris(2,3-epoxypropyle)-1,3.5-triazine-2,4,6 (1H, 3H, 5H)-trione	9.46			2.73		6.73
224	1,3,5-trimethylbenzene	1.72	0.26				1.46
230	Lead and its compounds	7.54			1.90		5.64

ROHM APOLLO CO.,LTD.

Hirokawa Industrial Estate, Hirokawa,Yame-gun, Fukuoka, 834-0111, Japan

■Electric-power consumption		41,840,393 kwh
■Fuel consumption		3,011 kl
■Water consumption		231 km^3
■Total amount of waste generated		612 t
■Waste-recycling ratio		100 %
■Emissions into water:	BOD	0.11 t
	COD	0.27 t
■Emissions into the air:	NOx	5.4 t
	SOx	1.2 t
	Soot and dust	0.5 t

■PRTR Unit(t)

	Substance	Amount used	Amount released	Amount transferred	Amount consumed	Amount eliminated	Amount recycled
25	Antimony and its compounds	3.48			1.09		2.39
311	Manganese and its compounds	1.84			0.34		1.50

(Data for ROHM APOLLO include those for the Chikugo Plant.)

ROHM FUKUOKA CO.,LTD.

837-1, Azahatakeda, Oaza-Inado, Yukuhashi, Fukuoka 824-8555, Japan

■Electric-power consumption		57,881,280 kwh
■Fuel consumption		1,478 kl
■Water consumption		145 km^3
■Total amount of waste generated		2,748 t
■Amount of waste disposed of by landfill		6 t
■Waste-recycling ratio		99.8 %
■Emissions into the air:	NOx	3.9 t
	SOx	5.4 t
	Soot and dust	0.2 t

■PRTR Unit(t)

	Substance	Amount used	Amount released	Amount transferred	Amount consumed	Amount eliminated	Amount recycled
25	Antimony and its compounds	1.60			1.44		0.16
231	Nickel	4.98			4.46		0.52
232	Nickel compounds	1.83			1.64		0.19

ROHM AMAGI CO.,LTD.

258-1, Oaza-Oguma, Amagi, Fukuoka 838-0052, Japan

■Electric-power consumption		40,105,789 kwh
■Fuel consumption		1,730 kl
■Water consumption		313 km^3
■Total amount of waste generated		479 t
■Amount of waste disposed of by landfill		2 t
■Waste-recycling ratio		99.6 %
■Emissions into water:	BOD	0.69 t
	COD	0.95 t
■Emissions into the air:	NOx	5.5 t
	SOx	2.9 t
	Soot and dust	0.2 t

■PRTR Unit(t)

	Substance	Amount used	Amount released	Amount transferred	Amount consumed	Amount eliminated	Amount recycled
16	2-aminoethanol	2.48	0.12				2.36
64	Silver and its water-soluble compounds	1.65			1.39		0.26
230	Lead and its compounds	2.42			1.21		1.21

ROHM MECHATECH CO.,LTD.

3-21-10, Tsuchida, Ooi-cho, Kameoka, Kyoto, Japan

■Electric-power consumption 4,083,390 kwh

■Total amount of waste generated		37.2 t
■Amount of waste disposed of by landfill		10.9 t
■Waste-recycling ratio		71 %
■Emissions into water:	BOD	0.22 t
	COD	0.21 t

ROHM LOGISTEC CO.,LTD.

75, Masusaka, Kamogata-cho, Asaguchi-gun, Okayama 719-0234, Japan

■Electric-power consumption	1,356,792 kwh
■Fuel consumption	83.8 kl
■Water consumption	4.4 km^3
■Total amount of waste generated	90.9 t
■Amount of waste disposed of by landfill	1.2 t
■Waste-recycling ratio	98.7 %
■Emissions into water: BOD	0.02 t