HAMAMATSU

PHOTON IS OUR BUSINESS

Environmental Report 2012

HAMAMATSU PHOTONICS K.K.

Message from the President

Working toward the Achievement of a Sustainable Society, We Use Photonics Technology to Help Solve Environmental Problems

Introduction

I would like to extend my deepest sympathies to the victims of the Great East Japan Earthquake.

I would also like to humbly pray for the recovery and revival of the areas affected by this disaster.

At the United Nations Climate Change Conference (COP17/CMP7), representatives from all over the world discussed how to deal with global warming from 2013 onward. The representatives came up with the Durban Platform, an agreement to participate in a comprehensive framework that will include the world's largest producers of greenhouse gases, and will take effect in 2020. The representatives also agreed to extend the Kyoto Protocol, but Japan declined to participate in the second commitment period and has instead chosen to continue reducing emissions using voluntary targets.

20 years have passed since the Rio Summit, Climate change has now been recognized as a problem that all of humanity must deal with together. This problem demands effective international solutions.

Hamamatsu Photonics K.K.
President

Working toward the Achievement of a Sustainable Society

I believe that given these circumstances, businesses have a social responsibility to work toward the achievement of a sustainable society and to develop their business activities in an environmentally friendly way.

In our efforts to promote environmental management and contribute to global environmental protection, we have drafted a "Fundamental Environmental Policy," deployed an environmental management system across the entire company, are providing products that are friendly to the environment in every phase of their life cycle—from production to disposal, and are carrying out biodiversity conservation activities, such as distributing memorial trees to our employees.

Using Photonics Technology to Help Solve Environmental Problems

The mission of HPK is to use photonics technology to benefit society and make the world a healthier and more peaceful place. We will continue to engage in basic research into the unknown and unexplored properties of photon and use our research and development activities to make photonics technology applicable in a wide range of fields, including information, measurement, medicine, biology, energy, and the environment.

As we work to reduce the environmental impact of our business activities, we will help to solve environmental problems such as global warming, resource limitations, and pollution by using photonics technology to produce products that benefit the environment.

I would like to ask our stakeholders for their continued support and guidance in these efforts.

HPK Fundamental Environmental Policy

Principle

In our conduct of business activities we, Hamamatsu Photonics K.K., recognize that maintaining harmony with the global environment is one of essential issues facing mankind and we are determined to always act with this in mind as we endeavor to create new science, new industries, and to establish true health for mankind by studying, applying and expanding photonics technologies.

Policy

1. Initiate an internal organization for environmental protection and establish environmental management system in each plant in order to carry out activities related to environmental protection
2. Assess the impact on the environment by our activities, products and services, and constantly improve our environmental protection activities and environmental management
3. Comply with our internal procedures and policy as well as all governmental laws and regulations related to environmental protection, and impose our own voluntary standards if necessary, to reduce the stress on the environment
4. Take preventative measure to curb pollution, save energy and resource, reduce waste and control chemical substances
5. Strive to raise the awareness of all our employees regarding environmental issues through environmental education, and to understand and apply this Fundamental Environmental Policy through in-house publication of the Policy

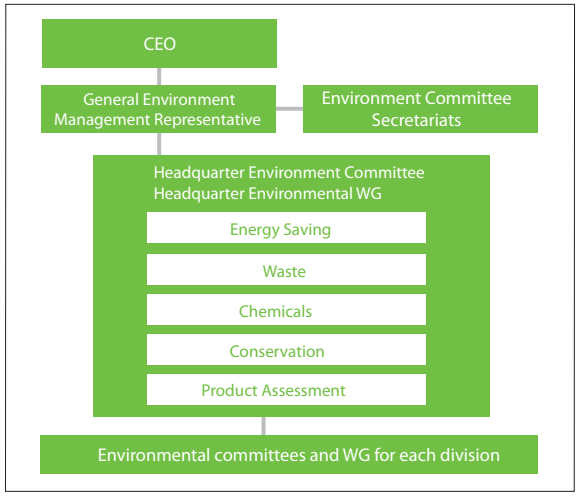
Promoting Environmental Management

Striving to live harmoniously with nature, we have drafted a "Fundamental Environmental Policy" that guides us in our environmental management efforts.

Environmental Management System (EMS)

Framework for Promoting Environmental Management

We have established a "Headquarter Environmental Committee", which serves as a decision-making body for environmental activities. The committee provides the management with an opportunity to reassess the EMS. The Headquarter Environmental Committee has five specialized working groups, and each division in HPK also has its own environmental committee and working groups.



Environmental Management System Diagram

Environmental Auditing and Education

To ensure that the EMS is managed properly, at least once a year, the system is audited externally by an independent certification body and internally by each production division. After the audits, the system is swiftly revised to ensure that it continues to function and improve.

In this period, we have held 108 educational activities, including education for new employees, education for internal auditors, and specialized training for employees who are working on the environment.

Environmental education

ISO 14001 Certification

We began implementing our environmental management system in 2002, and since then, our primary nine sites have received ISO 14001 certification. We are currently considering working toward company-wide certification as a means of improving internal information sharing and operational efficiency.

*ISO 14001 certification includes Koso Corporation, an affiliated company.

Organization That Acquired Certification	Site	Acquisition Date
Electron Tube Division	Toyooka Factory and Tenno Glass Works (Koso Corporation)	December 2003 (December 2011)
Solid State Division	Main Factory, Mitsue Factory, and Shingai Factory	December 2003 January 2012
Systems Division	Joko Factory	August 2004
Miyakoda Factory	Miyakoda Factory	February 2012
Central Research Laboratory	Central Research Laboratory	March 2012
Headquarters	Headquarters	March 2012

Environmental Accounting

We are promoting environmental accounting internally as a means of providing the fundamental information necessary for environmental management.

Dealing with Environmental Risks

Framework for Reducing Environmental Risks

We are continuously improving our efforts to reduce the impact on living environments of air, water, and sound pollution and are working to prevent environmental pollution.

In this period, there was no major problem causing environmental risk.

- **Measures to Prevent Air and Water Pollution**
  We have set higher voluntary management standards for ourselves than those set by law and monitor and measure emissions.
- **Measures to Prevent Noise**
  To prevent noise, we have built sound barriers. We measure the noise within the company grounds.
- **Appropriate Management of PCBs**
  We have registered for early processing of high-concentration PCB(polychlorinated biphenyl) waste.
- **Measures to Prevent Pollution of Groundwater and Soil**
  We inspect and examine land before purchasing it.

Emergency Response Training

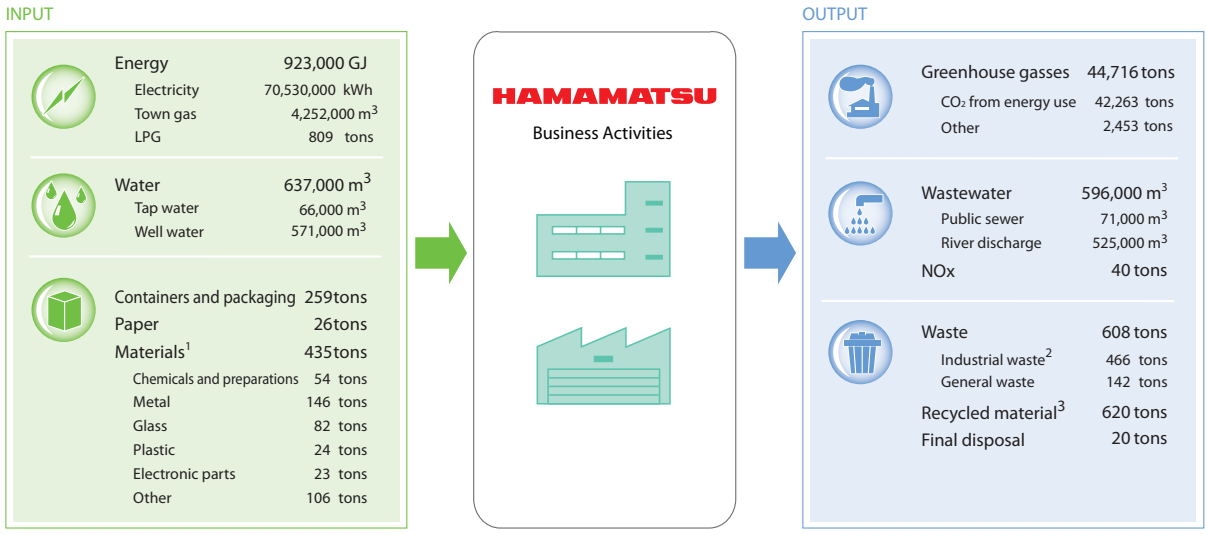
We have prepared accident and disaster response manuals. We regularly hold customized disaster response training for each type of business and division.

In this period, training sessions have included evacuation training for designated high-pressure gas leaks, response training for chemical spills, and company-wide disaster preparedness training.

Emergency Response Training

Environmental Impact of Business Activities

We are quantifying the environmental impact of our business activities and working to reduce our impact on the environment. The following figures are a summary of our environmental impact for this period.



1 Total for materials whose weight data was available.
2 Including chemical waste
3 The amount of recycling is the total amount of material and thermal recycling added to the amount of valuables.

Targets and Accomplishments of Environmental Activities

Each year, from October 1st to September 30th, we set environmental objectives and targets and work to reduce our impact on the environment. In this period, we achieved our planned environmental targets.

Primary Targets for 2011	Primary Accomplishments for 2011
Environmental management	
› Renew certification for divisions approved to ISO 14001.	› Three divisions were audited by an external certification body.
› Construction EMS on the site that do not yet approve to ISO 14001.	› EMS development is underway at the Miyakoda Factory, the Central Research Laboratory, and the Headquarters.
Making Products Environmentally Friendly	
› Operation in accordance with management standard for Chemical Substances.	› 7th revision
› Conform to each country's environmental regulations for products and collect component materials data.	› Implemented internal briefings on regulations. Continued to collect data.
Making Business Activities Environmentally Friendly	
• Prevention of Global Warming	
› Reduce energy use per unit of sales by at least 2% compared to the previous period.	› Reduced energy use per unit of sales by 11.3% compared to the previous period.
› Implement energy conservation awareness activities.	› Implemented winter and summer energy conservation programs.
• Waste Reduction	
› Total recycling rate: 94% or more	› Total recycling rate: 94.5%
› Supervise contracted waste disposal facilities.	› Held a total of 23 inspections at 22 contracted waste disposal facilities.
• Appropriate Management of Chemicals	
› Perform a chemical usage inspection every six months.	› Implemented according to plan in accordance with the PRTR Law.
› Promote the collection of the latest MSDSs and manage the database of MSDSs.	› Holding 5,211 MSDSs.
• Prevention of Pollution	
› Maintain management in accordance with voluntary standards.	› Confirmed and conformed to laws and observed environmental protection facilities.
› Reduce VOC emissions into the atmosphere by 30% compared to the year 2000.	› Implemented VOC measures and reduced VOC emissions by 34.6%.
Communication	
› Promote "Challenge 25 campaign" activities.	› Reduced light use, reduced the power used for cooling and heating, and provided green walls.
› Disseminate environmental information both within and outside of the company.	› Disseminated information through environmental reports, and the Internet.

Making Products Environmentally Friendly

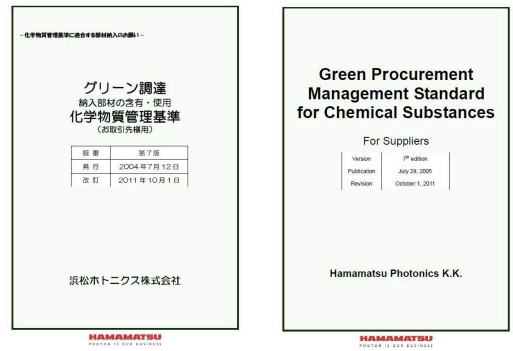
We are working to properly manage the chemicals contained in our products and to make our products have a reduced impact on the environment in their use and application by making them smaller, more electrically efficient, longer lasting, and more energy efficient.

Conforming to Regulations Regarding the Chemicals Contained in Our Products

Green Procurement

To conform to regulations, such as RoHS, and to provide products that meet the demands of our customers, we have established company-wide management standard for chemical substances. Also, to appropriately respond to such regulations in countries, we have joined relevant industrial organizations and are striving to stay up to date with the latest information.

The revised RoHS directive was put into effect in July 2011. We are actively working to revise our management standard and conform to the new directive.

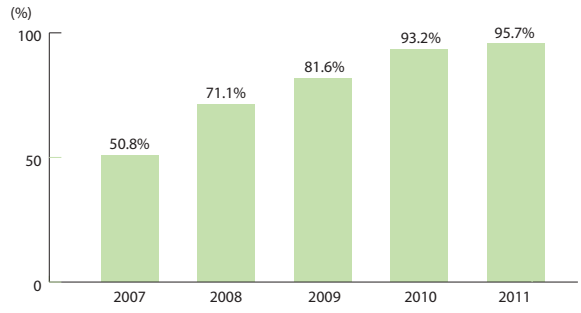


Green Procurement and Chemical Substance Management Guide

Green Purchasing

We have established a company-wide green purchasing guide and are purchasing environmentally friendly office products and other goods. Our green purchasing rate for this period has been 95.7%, which is above our target rate for the period of 90%.

Green purchasing rate

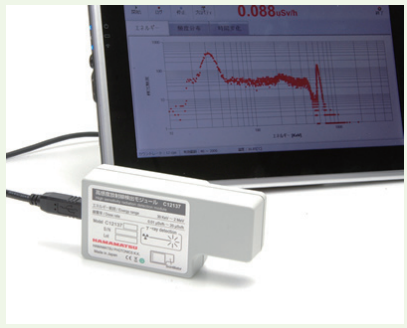


Introduction to a Product That Is Helping the Environment

• Development of a Radiation Detection Module

Utilizing our radiation detection technology for medical devices, we developed a module for visualizing radiation and exposure levels.

We will work to contribute to the recovery of disaster-struck areas and to society through developing products that help the environment.



Radiation Detection Module C12137

VOICE

To help cope with our fear of invisible radiation after the nuclear power plant accidents, our module with a high-sensitivity MPPC has features that are compact, light-weight and easy to use by connecting to a PC .

We will continue to offer products that help everyone to build a more secure society.

C12137 development team

Developing Environmentally Friendly Products

Making Products with a Reduced Impact on the Environment

As a means of making our products themselves more environmentally friendly, we are working to promote the sale of products that use less resources (are smaller and lighter) and power, and have longer service lives. Here, the followings are the representative products that we have developed in this period.

Examples of Newly Developed Environmentally Friendly Products

• µPMT

RoHS Compliant

We have successfully developed the first next-generation photomultiplier tube "µPMT" in the world that utilize MEMS technology. It is even smaller than our previous products, yet it still performs as well as conventional one. This product is expected to contribute to a variety of fields, including those of medical equipment and environmental devices.

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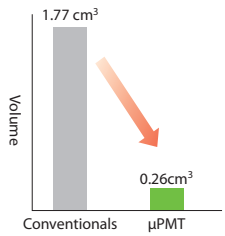
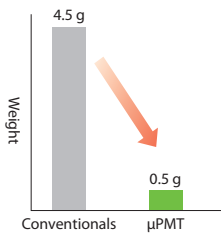




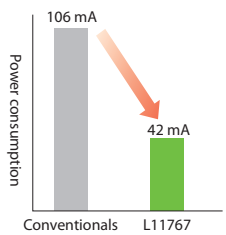
• Red LED

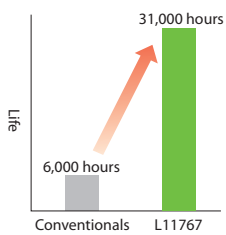
RoHS Compliant

Our new red LED (L11767) uses a four-component AlInGaP crystal instead of the three-component AlGaAs used in previous red LED (L6108). It has improved high output, and long-lasting reliability.

The power for the same amount of light has been reduced by 60%, and the LED lasts approximately five times longer than previous model.

WEB

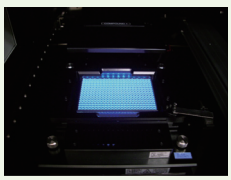




• Light Source for FDSS/µCELL

RoHS Compliant

Pharmaceutical screening is a part of its development process to select the candidates from a large list of potential compounds. By using LEDs in the L11601-03 and L11601-04 light sources for the FDSS/µCELL pharmaceutical screening system, we have made the light sources smaller, lighter, more energy efficient, and longer lasting than our previous xenon light sources.



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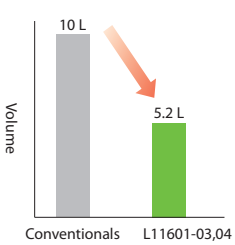
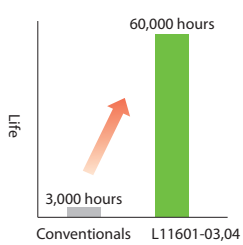


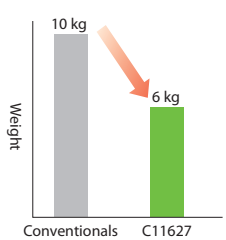


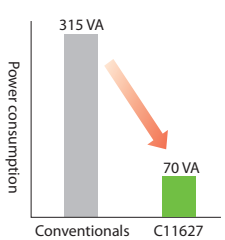
• Optical NanoGauge Film Thickness Meter

RoHS Compliant

The Optical NanoGauge Film Thickness Meter (C11627) is a noncontact film thickness meter that uses interferometry and can measure a thin film with a thickness of 20 nm to 50 µm with high accuracy in real time. As a result of integrating the LED light source, spectroscope, and data analysis area are integrated, so this product has a compact structure that consists of just the device body and a fiber-optic cable.

WEB





Making Business Activities Environmentally Friendly

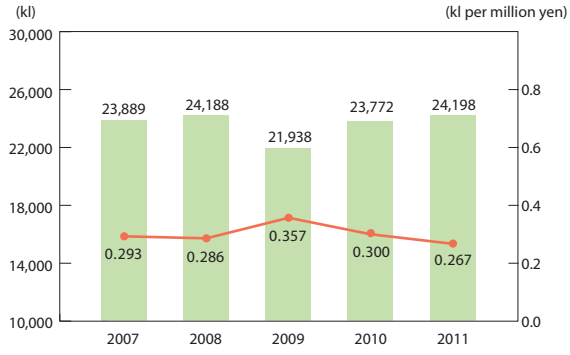
We are continually working to make all our business activities environmentally friendly by fighting global warming, reducing waste, properly managing chemicals, and helping the environment in other ways.

Fighting Global Warming

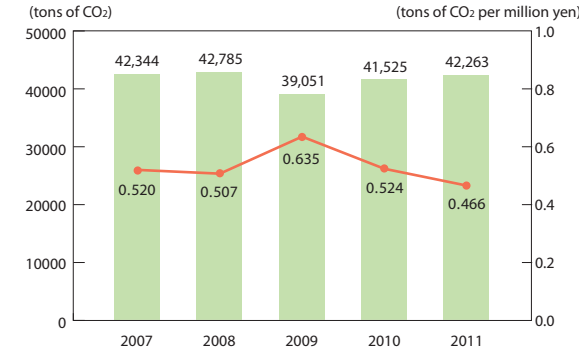
Changes in Energy Conservation and CO_2 Reduction

Hamamatsu Photonics is promoting energy conservation activities with the target of reducing the energy used in business activities per unit of sales by 2% compared to the previous period. We are also working to reduce the greenhouse gasses (GHG) used in the manufacturing process in order to prevente global warming. In this period, we worked to effectively gather and analyze the energy data for the entire company, comply with the related laws and regulations, update the outdated facilities to more efficient facilities, and provide education to our employees. As a result of these efforts, we were able to meet our target in this period and reduce our energy use per unit of sales to 0.267 kl/million yen. Data for our CO_2 emissions resulting from energy use and CO_2 emissions per unit of sales are shown in the figure below.

Energy use and its ratio of sales



CO_2 emissions from energy use and its ratio of sales



* The factor we use to convert power to CO_2 and calculate the CO_2 from energy use is 0.417 (the emission factor provided by the Federation of Electric Power Companies).

Examples of Energy and CO_2 Reduction Efforts

• Energy Conservation Measures at Our Shingai Factory

At our new Shingai Factory, we reduced energy usage by installing high efficiency lighting equipment (285 units) and an inverter air compressor.

- High efficiency lighting equipment
  Before: 40 W/2 lights → After: 63 W/1 light
- Air compressor
  Before: 901 kwh/day → After: 581 kwh/day

High efficiency lighting equipment

Air compressor

• Reductions in Greenhouse Gas (PFC and SF_6) Emissions

Removal device

Types of GHGs Produced by HPK and Global Warming Potential

Greenhouse gasses	GWP
CO_2 (carbon dioxide)	1
HFC (hydrofluorocarbons)	140 to 11,700
PFC (perfluorocarbons)	6,500 to 9,200
SF_6 (sulfur hexafluoride)	23,900

*Based on the manual for calculating and reporting greenhouse gas emissions produced by the Ministry of the Environment

GHG used in semiconductor manufacturing such as PFC, SF_6, and HFC have large global warming potential (GWP).

We are working to reduce its emissions by installing removal devices and optimizing processes. In this period, we were able to reduce GHG emissions (excluding CO_2 emissions resulting from energy use) by 45%, or the equivalent of 2450 tons of CO_2, compared with the previous period.

Reducing Electricity Consumption

On the Corporate and Individual Levels

Working to reduce electricity consumption was especially important in the summer of 2011. We promoted energy-saving for divisions and household. Our longtime policies also include reducing light as "Light down campaign", and dress style that enable us cooler in the summer , "Cool Biz".

Reduced light usage (Toyooka Factory)

Dresse cooler for summer

Power saving contest

Hamamatsu Photonics Summer Festival

At our company summer festival that was held in this period, we held "household environmental friendliness examinations" with the support of the Shizuoka Center for Climate Change Actions. We also displayed energy conservation fun from an energy-conservation-themed coloring contest for children.

Household environmental friendliness examination

Energy-conservation-themed coloring

VOICE

Central Research Laboratory,
General Affairs Department
Hiroyuki Saito

Implementation of Energy Conservation Policies with High Benefit-Cost Ratios

Starting in 2006, the Central Research Laboratory (CRL) began implementing a plan to improve the efficiency of facilities. As a result CRL was able to reduce the amount of energy used per unit of building floor space by an average of more than 10% each year over a five year period. In recognition of these efforts, the METI-Kanto offered CRL an award for outstanding factory energy management in 2010 and an award for successful energy management in 2011.

We will continue to promote energy conservation by implementing policies with high benefit-cost ratios.

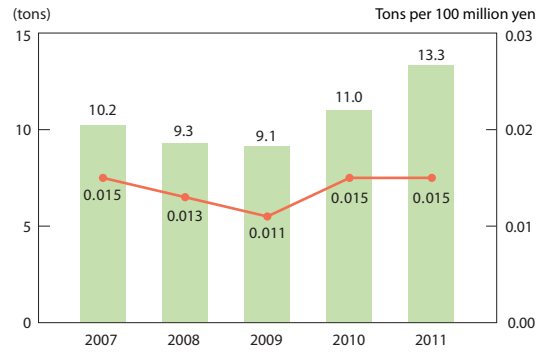
Appropriate Management of Chemicals

When chemicals are not managed properly, the environment may become polluted and human health and the ecosystem may be impacted negatively. We are improving our management of the chemicals that we handle by maintaining precise knowledge of emissions into the air , water.

Use of Chemicals Subject to the Pollutant Release and Transfer Register (PRTR) Law

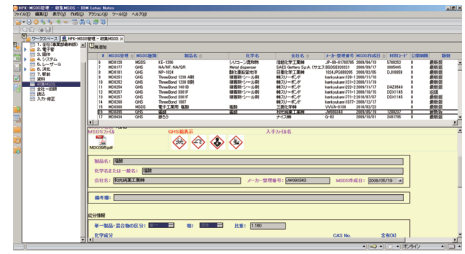
In this period, we used 13.3 tons of substances designated as class 1 chemical substances under the PRTR Law (yearly use of 1 kg of more by all divisions subject to tracking). Also, in accordance with laws and regulations, in 2010, we reported the use of two substances at our Main Factory and one substance at our Mitsue factory.

Chemicals subject to the PRTR Law and its ratio of sales



Promotion of MSDS (Material Safety Data Sheet) Collection

As stipulated in the Industrial Safety and Health Law, MSDSs are essential for assuring the safety of workers who handle chemical materials and for reducing the risks of these chemicals to the environment. We are promoting the collection of the latest MSDSs.



Internal MSDS database

Reducing VOC (Volatile Organic Chemicals) Emissions

In accordance with both national plans and voluntary activity plans drafted by the electronics industry, we have been working to reduce our 2010 VOC emissions by 30% compared to the year 2000. In 2010, we were able to achieve our target and reduce our VOC emissions by 34.6%. We are working to continue to keep our VOC emission level 30% lower than it was in 2000.

VOC emissions by year

Workplace and Chemical Storage Condition Inspections

The chemicals working group manages inspections of chemical storage facilities and workplaces that handle chemical substances. One purpose of these inspections is to find any sanitation or safety problems that may exist in a workplace.

Clean room inspections

Poison labeling inspections

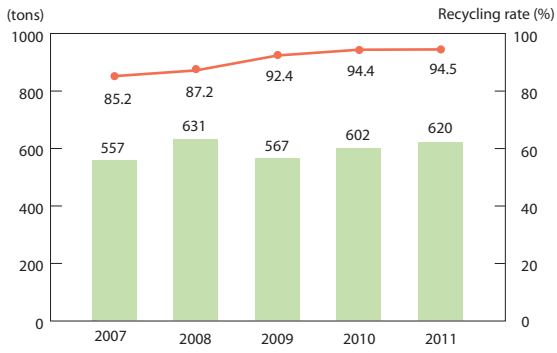
Waste Reduction

Reducing Waste Levels to Zero

We are striving to promote and efficiently apply the three Rs to reduce the impact of our waste on the environment and make efficient use of our resources. As part of this effort, we are striving toward the ideal of zero emissions (a rate of recycling of at least 95% for all waste products other than acid and alkali waste).[1]

In this period, we managed to recycle 620 tons of waste and achieve a rate of recycling of 94.5%. Also, our total waste output was 608 tons , which is 21.1% less than it was in the previous period and is equivalent to 0.7 tons of waste per 100 million yen.

Recycling levels and its ratio



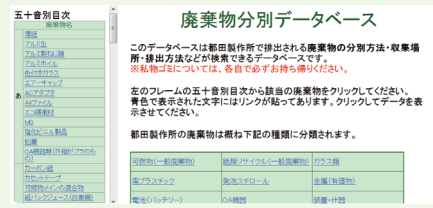
Total waste output and its ratio of sales

1 Zero emissions: The idea that we should strive for a society with no waste

Examples of Waste Reduction

• Open Database of Waste Product Categories

We have developed a database of waste product categories that uses the company-wide intranet that is accessible throughout the company. This database is the result of employee suggestions, and it lists frequently discarded items by category.



Database of Waste Product Categories

• Reduction of Paper

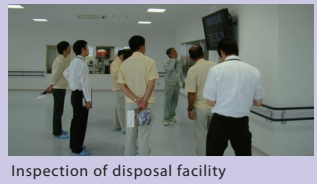
We are working to reduce the amount of paper that we use by digitizing paper documents and implementing electronic stamps. Also, all of the documents produced at Hamamatsu Photonics use a workflow system that is more efficient and uses fewer paper resources.

Internal Web System

Adjusting to the Implementation of the Revised Waste Disposal Law

The law was revised in April 2011. Even before the implementation of this law, we have been working hard to manage waste products properly by checking processing facilities and disposal sites. After the implementation of the law, we collected information and reassessed our management system through our waste subcommittees.

Labeling for the law



Inspection of disposal facility

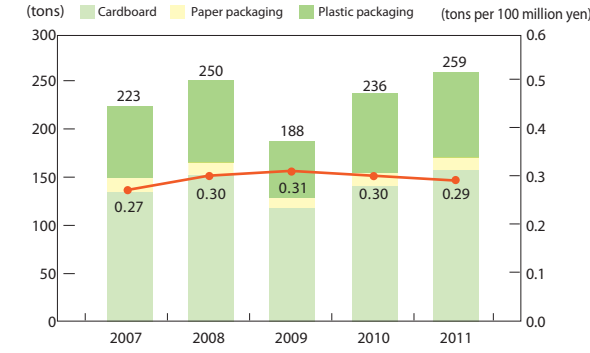
Shipping Measures

Reducing Containers and Packaging Materials

We are using packaging materials as efficiently as possible to improve product accommodation ratios. We are also promoting the expanded use of reusable shipping containers.

Increasing shipments in this period led us to use 259 tons, but the amount of containers and packaging per 100 million yen of sales was 0.29 tons, which was an improvement over the previous period.

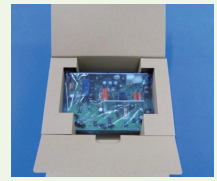
Container and packaging use and its ratio of sales



Examples of Reductions in Containers and Packaging

- From Individual to Group Boxes—Board Power Supplies for Deuterium Lamps

Deuterium lamps are used in water quality and atmospheric analysis. We reduced the amount of packaging per product by approximately 5% and reduced the amount of materials used by approximately 15%.



Before improvements

After improvements

- Implementation of Reusable Shipping Containers

The solid state division has started using reusable shipping containers for some of its automotive products. We have managed to reduce its packaging use by approximately 10% and its use of cushioning materials by approximately 11%.

Before improvements

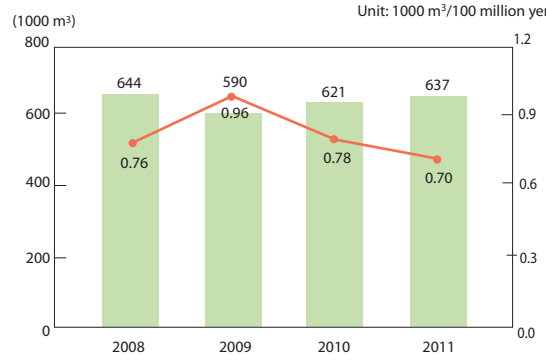
After improvements

Protecting Our Water Resources

Using Water Resources Effectively

As the world is becoming more aware of the importance of water, we are maintaining an awareness of that importance by decreasing our water use, and working to recycle the water that we do use. As our production increased in this period, our water use increased by 2.6%, however our production decreased water usage per unit.

Water use and its ratio of sales



Site data

From Oct. 1, 2010 to Sep. 30, 2011

Environmental Impact		Toyooka Factory	Tenno Glass Works	Joko Factory
Energy	(GJ)	247,259	4,769	22,772
Water	(1000 m³)	264	8	13
PRTR Law[1]	(tons)	0.4	0.01	0.01
Paper	(tons)	7.9	0.3	4.4
Containers, packaging	(tons)	137		20
CO_2 from energy use[2]	(tons)	10,927	213	954
Other GHGs[3]	(tons)	10	—	5
Wastewater	(1000 m³)	264	8	13
Waste	(tons)	202	3.3	35
Final disposal	(tons)	6.0	0.1	0.4
Recycling rate[4]	(%)	92.7	98.8	98.9

Environmental Impact		Main Factory	Mitsue Factory	Miyakoda Factory
Energy	(GJ)	391,452	78,524	59,335
Water	(1000 m³)	261	39	13
PRTR Law[1]	(tons)	9.6	2.7	0.1
Paper	(tons)	6.2	1.6	0.5
Containers, packaging	(tons)	102		0.1
CO_2 from energy use[2]	(tons)	18,055	3,640	2,617
Other GHGs[3]	(tons)	2,437	—	—
Wastewater	(1000 m³)	261	26	9
Waste	(tons)	234	53	25
Final disposal	(tons)	6.2	2.5	2.1
Recycling rate[4]	(%)	96.0	94.8	96.8

Environmental Impact		Central Research Laboratory	Main Office	Industries Development Laboratory
Energy	(GJ)	100,565	2,835	15,836
Water	(1000 m³)	38	1	0.5
PRTR Law[1]	(tons)	0.5	—	0.01
Paper	(tons)	3.4	2.1	0.02
Containers, packaging	(tons)	—	—	—
CO_2 from energy use[2]	(tons)	4,417	119	681
Other GHGs[3]	(tons)	1	—	—
Wastewater	(1000 m³)	13	1	0.5
Waste	(tons)	50	5.6	0.7
Final disposal	(tons)	2.1	0.03	0.05
Recycling rate[4]	(%)	90.4	99.5	92.8

1 Quantities of 1 kg or more and are designated as class 1 chemical substances under the PRTR Law.
2 The factor we use to convert power to CO_2 and calculate the CO_2 from energy use is 0.417.
3 The emitted GHGs other than CO_2 from energy use are converted to equivalent amounts of CO_2.
4 The recycling rate does not include acid or alkali waste.

Social and Environmental Communication

We sustain a close relationship with the community as we pursue our business activities. Each employee feels that it is his or her personal mission to contribute to the community, and our employees participate actively in community activities.

Promoting Community and Employee Communication through Ecological Activities

We strive to explain clearly to our stakeholders how we are working to help the environment and to make sure that communication goes both ways.

Environmental and Social Contributions

To become a company loved by local communities, we make a variety of environmental and social contributions. In this period, we have engaged in cleaning activities, participated in the green of Hamamatsu city, and donated "Magnolia liliiflora" trees. As part of our biodiversity conservation and greening education activities, we started donating trees to employees who have built a new home or gotten married.


平成23年度　「電子管事業部環境美化活動」報告

豊岡製作所

Cleaning activities


Donation of a tree to Nakanomachi Flower Road

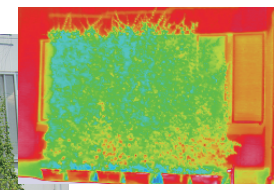

Happy memorial trees

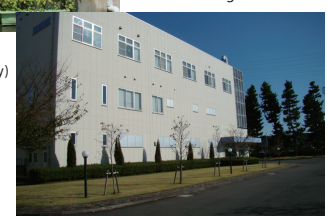
Green Walls and Tree Planting on Company Grounds

The Green wall creates a lower tempreture. As a means of saving electricity in the summer, the Toyooka Factory and CRL have set up green walls using bitter melon plants. By distributing the bitter melons that grow on the walls to employees and using the company's portal site to show how the walls are growing, we are making our employees more aware of environmental issues.

Also, to beautify and maintain the environment, each division is helping to make the company grounds greener.


Green wall
(Central Research Laboratory)


Infrared image


Tree planting at Hamamatsu Photonics

Distribution of Environmental Information

Environmental Communication Using Various Media

To explain clearly to our stakeholders and members of the community how we are working to help the environment, we provide information through a variety of media, including our environmental reports and website.

Various environmental information sources

Opinion of a Third Party

To improve the reliability of this report, we asked for the opinion of Hiroaki Sato, who works within Shizuoka Prefecture to combat global warming.

Head of the Shizuoka Center for Climate Change Actions
(Professor emeritus and former head of Shizuoka University)
Hiroaki Sato

Toward Environmental Management

Under its overarching motto of Photon Is Our Business, Hamamatsu Photonics(HPK) pursues its fundamental environmental policy of using new science and the creation of new industries to contribute to the true health of humanity and the protection of the earth. This policy is an integral part of the core identity of HPK. It encapsulates its dedication to offering products that are environmentally friendly throughout every phase of their lifecycle, from production to disposal, and to working to use world-class photonics technology to develop products that contribute to protecting the environment.

The policy and accomplishments of the environmental impact reduction activities that HPK undertakes in accordance with its fundamental environmental principle are examined and evaluated each year, and data about changes in energy conservation and CO_2 reduction are collected for each site. This data is presented in easy-to-understand ways, such as in figures for each measure of environmental impact and graphs of energy use per unit of sales.

Seeing Where Products Are Made

In the middle of March, I visited the Main Factory, which is the center of the well-established semiconductor-related manufacturing of HPK. I saw many signs there of the basic dedication of HPK to reducing impact on the environment, including green procurement system, system for maintaining a recycling rate of at least 95%, and high-performance gas cogeneration system.

Above all, the true expression of the identity of HPK is in how it uses preeminent photonics technology to develop cutting-edge products that are environmentally friendly and contribute to making the environment better. These products include μPMT next-generation photomultiplier tube, solar cell evaluation system, and highly accurate, compact radiation detection module, which has a built-in MPPC. The product explanations and demonstrations that I saw made me keenly aware of the superior performance of the products of HPK.

The Evolution and Dissemination of Smart Management

Since the Fukushima nuclear disaster on March 11, the radiation detection module is particularly promising as a means of responding to immediate needs for ensuring safe and reliable living environments by detecting and measuring levels of radioactive materials such as cesium and iodine.

The use of photonics technology, the core business of HPK, to develop products that are environmentally friendly and that contribute to making the environment better is the source of the purpose and potential of HPK, which is a company that is constantly pushing forward into unknown and unexplored areas of science. The use of comprehensive environmental performance indices and environmental accounting to actively disseminate information about the intelligent business management and accomplishments of HPK promises to make the world a better place.

Response to the Third Party Opinion

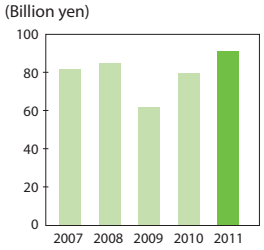
Thank you very much for your valuable opinions and your evaluation of our environmental activities and environmental report. After reading your assessment, we would like to put more effort into developing products that are environmentally friendly and that contribute to making the environment better and to assertively disseminating information about smart management. We will continue to promote environmentally friendly business activities and strive to be a company that contributes to the realization of a sustainable society.

Headquarter Environment Committee Secretariats

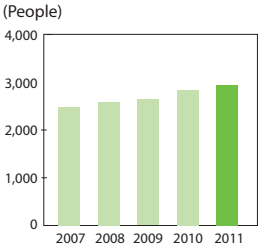
Company Overview

Company Name:	Hamamatsu Photonics K.K.
Headquarter:	325-6 Sunayama-cho, Naka-ku, Hamamatsu City, Shizuoka Pref., 430-8587, Japan Nihon Seimei Hamamatsu Ekimae Bldg.
Established:	September 29, 1953
Representative:	Akira Hiruma, president
Capital:	34,928,000,000 yen
Sales:	90,732,000,000 yen
Employees:	2,938
Products:	Photonic Detectors, Light Sources, Cameras & Systems

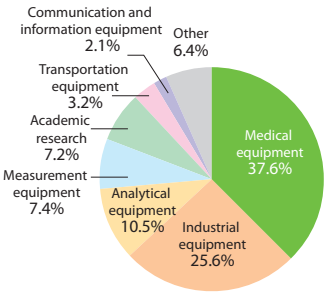
• Sales



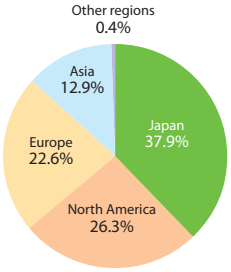
• Number of Employees



• Sales by Business Area



• Sales by Region



*The financial information shown is nonconsolidated.

Editing Guidelines

Period	Our fiscal year begins on October 1 of each year and ends on September 30 of the following year.
Organization	Hamamatsu Photonics K.K. (nonconsolidated)
Environmental Performance Data	Toyooka Factory, Tenno Glass Works, Main Factory, Mitsue Factory, Joko Factory, Miyakoda Factory, Central Research Laboratory, Main Office, and Industries Development Laboratory
Reference Guidelines	2007 Environmental Report Guidelines 2005 Environmental Accounting Guidelines

• Webpage

http://jp.hamamatsu.com/hamamatsu/environment/index.html [JP]

• About the Cover

As a means of spreading environmental awareness, we asked our employees to submit photographs for the front cover of our environmental report. The photo on the cover of this report was taken near the mouth of the Tenryu river.

[CONTACT] Environment Committee Secretariats
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