

# Made for Life Report 2009

CSR report

TOSHIBA MEDICAL SYSTEMS CORPORATION

Basic  
Commitment

Toshiba Medical Systems Corporation (TMSC) continues to contribute to healthcare and social welfare by providing innovative, advanced products and solutions for its customers worldwide. We create medical technology, taking the slogan "Made for Life" as our guiding philosophy and focusing on the following principles.

- 1 We offer technology that provides fast, accurate diagnosis, improved treatment, and enhanced patient care.
- 2 We produce reliable systems that offer maximum uptime, increased utility, and improved workflow.
- 3 We are committed to developing long-term, customer-focused lifetime solutions.

Management  
Slogan

"Made for Life," the slogan adopted by Toshiba Medical Systems Corporation, symbolizes the company's basic commitments.



Made for Patients

Made for You

Made for Partnership

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■ **Editing Policy**

In fiscal year 2008, we reinforced our service business, in particular with the construction of new buildings. Content related to environmental concerns has been expanded. In addition, the CSR report is available on our website as a pdf file, and provides comprehensive information on our CSR activities.

■ **Period of report**

April 1, 2008 to March 31, 2009

■ **Extent of report**

Toshiba Medical Systems Corporation and TMSC group companies. Parts of the report also present the activities of the entire Toshiba Group or Toshiba Group companies.

■ **Publication Date**

End of December 2009

(Previous publication: June 2008; next publication: end of June 2010)

■ **Reference guidelines**

- GRI\* Sustainability Reporting Guidelines 2002 (2nd edition) and Sustainability Reporting Guidelines 3rd edition (G3)
- Ministry of the Environment, Environmental Reporting Guidelines, Fiscal Year 2003 Version and Environmental Reporting Guidelines, Fiscal Year 2007 Version

\* GRI: Global Reporting Initiative

■ **More details on our website**

This symbol  Search indicates that further information is available from our website.

President's  
Message



### Making a positive contribution to society through healthcare

Toshiba Medical Systems Group operates globally under the management slogan "Made for Life". Our mission is to contribute to society through healthcare by developing advanced medical technologies. We conduct business according to the principles contained in our basic commitments: "Improving the quality of life", "Lifelong commitment to innovation", and "Achieving lifetime partnerships".

In fiscal year 2008, the response to our products from customers around the world has been very enthusiastic, and we received many awards from companies and institutions. By listening closely to the opinions of our customers, we will continue to actively contribute to society through healthcare by providing safe, high-quality, reliable products.

### Promoting CSR management on a global scale

As a global company, we conduct business in many countries. Our aim is to be an innovator in the field of healthcare in order to maintain "continuous profitable growth", contributing to the creation of wealth and to a secure future. "Implementation of CSR management" provides a foundation for such innovation. We will contribute to the community by observing the laws, regulations, and customs of each country and region. Furthermore, we believe that protection and preservation of the irreplaceable global environment is a vital issue that must be addressed by all companies. We are working hard to reduce our environmental impact by setting our own strict goals to achieve the targets for Toshiba Group's "Environmental Vision 2050". Our environmentally conscious medical products are a result of these efforts. In the last fiscal year, Aquilion ONE™ was selected as an "Excellent ECP", Toshiba Group certification for environmentally conscious products. We will continue to actively promote environmental activities.

### Giving absolute priority to life, safety, and compliance with laws and regulations.

Our standards of conduct in the implementation of CSR require that we "give full priority to life, safety, and compliance with laws and regulations". We are committed to observing all laws and regulations, social norms, ethics, and company rules when conducting business, and our mission is to expand our business through fair competition in the global market. In order to achieve this, we will thoroughly implement the "Toshiba Medical Systems Group Standards of Conduct" and ensure compliance with the laws and ordinances of each country in which we operate.

### Striving to communicate with all stakeholders.

In order to implement CSR management based on the management slogan "Made for Life", we place great importance on communication with all stakeholders, including our customers.

All employees of Toshiba Medical Systems Group practice CSR in their daily activities, aiming to contribute to a better society and to fulfill the expectations of our stakeholders.

President & CEO  
Kenichi Komatsu

A handwritten signature in black ink, consisting of stylized Japanese characters, followed by a horizontal line.

## Toshiba Medical Systems Group members are actively working to contribute to healthcare sites around the world.

In order to contribute to the improvement of healthcare, we promote research and development of advanced technologies and operate our business globally.



- Europe  
Toshiba Medical Systems Europe B.V.
- Russia
- Austria
- Italy
- Germany
- Switzerland
- Spain
- France
- Belgium
- UK  
Toshiba Medical Visualization Systems Europe, Ltd.

12 China  
Toshiba Dalian Co., Ltd.



13 China  
Toshiba Medical Systems (China) Co., Ltd.

14 China  
Sanko Medical Systems (H.K.), Ltd.



15 Japan  
Toshiba Medical Systems Corporation

### Group companies in Japan: 7 companies

- Toshiba Medical Systems Engineering Co., Ltd.
- Toshiba Medical Manufacturing Co., Ltd.
- Toshiba Medical Supply Co., Ltd.
- Okinawa Toshiba Medical Co., Ltd.
- Toshiba Sumiden Medical Information Systems Corporation
- Medical Supply Japan Co., Ltd.
- Toshiba Medical Finance Co., Ltd.



17 Canada  
Toshiba Canada, Ltd.



18 USA  
Toshiba America Medical Systems, Inc.

19 USA  
Toshiba Medical Research Institute USA, Inc.

20 USA  
Toshiba America MRI, Inc.



11 Singapore  
Toshiba Medical Systems Asia Pte., Ltd.



16 Australia  
Toshiba (Australia) Pty., Ltd.



21 Brazil  
Toshiba Medical do Brazil Ltda.

## We offer total solutions.

Our aim is to maximize clinical value.

CT systems		Diagnostic nuclear medicine systems	
MRI systems		Clinical laboratory systems	
Diagnostic ultrasound systems		Radiotherapy systems	
Diagnostic X-ray systems		Healthcare IT systems	

Basic Policies  
Concerning  
the CSR Activities of  
Toshiba Medical Systems

1. We aim to earn the trust of society and achieve continued growth, making a positive contribution as a member of society with a respect for life.
2. We practice honest and transparent management, giving the highest priority to life, safety, and compliance with laws and ordinances, and aim to be an environmentally friendly enterprise.
3. We aim to be a trusted corporation and strive to communicate with all our stakeholders, including customers, employees, shareholders, and the local community.

Objectives and main results for fiscal year 2008. Objectives and plans for fiscal year 2009

Item	Objectives for fiscal 2008	Main results for fiscal 2008	Objectives and plans for fiscal 2009
<b>Management</b>			
CSR management	Cultivation of CSR awareness in all employees of group companies	- Distribution of messages from the president - Promotion of CSR activities in "CSR Promotion Month" (December)	Continued promotion of CSR activities, mainly in CSR Promotion Month (December)
Risk compliance	Implementation of various compliance promotion policies	Establishment of guidelines for contact with other companies engaged in the same business and guidelines for contact with foreign public officials, etc., and provision of educational courses	- Implementation of various compliance promotion policies that include group companies - Thorough implementation of Toshiba Medical Systems Group standards of conduct - Promotion of compliance training
	Cultivation of risk compliance awareness	- Training in Toshiba Medical Systems Group standards of conduct - Training in engineering ethics, sales compliance, information security, etc.	
	Policy implementation in group companies and reinforcement of cooperation in CSR activities	- Promotion of compliance policies in each company based on the policies of Toshiba Medical Systems - Implementation of educational courses on standards of conduct and compliance in each group company	

Risk compliance

<b>Social report</b>			
Communication with customers	Evaluation of customer satisfaction through periodic questionnaire	Customer questionnaires continued	Evaluation of customer satisfaction through periodic questionnaires
	Promotion of universal design	Adoption of designs in new products that ensure patient comfort	Promotion of development of products that incorporate "universal design"
	Enhancement of customer support	Improvement of customer service, including the establishment of a new customer support & training center	Further reinforcement of customer support
Communication with employees	Promotion of good work-life balance	Improvement of support systems for balancing work and life	- Creation of organizational climate in which diversity is respected - Reflection of employees' opinions based on a healthy labor-management relationship - Promotion of a safe and comfortable work environment
	Creation of diversity of organizations	Continued achievement of the legal employment rate for disabled people	
	Creation of a comfortable working environment for employees	Creating a workplace that reflects the voices of employees	
	Raising awareness of the OHSAS 18001 (Occupational Health and Safety Management System)	Continued certification for TMSC Headquarters and Toshiba Medical Manufacturing Co., Ltd. after receiving first-year surveillance	
Communication with local community	Expansion of community service activities	Continued implementation of community service activities such as the Pink Ribbon Campaign, and annual hospital exhibition of paintings by our employees.	Promotion of community service activities in various regions of the world

<b>Environmental Report</b>			
	Continued implementation of our own voluntary environmental plan ("Fourth Voluntary Environmental Plan")	- Provision of environmentally conscious products Aquilion ONE™ received Toshiba Excellent ECP certification - Prevention of global warming and effective use of resources Construction of new environmentally conscious buildings	- Continued provision of environmentally conscious products - Prevention of global warming and effective use of resources
	Enhancement of the environmental management promotion system (continued)	Acquisition of ISO14001 integrated certification with expanded coverage up to the branch offices and group companies in Japan	Continued enhancement of environmental management in branch offices and group companies in Japan

<b>Communication</b>			
	- Publication of CSR Report - Improvement of the company website	Publication of CSR Report 2008 Improvement of CSR-related information provided on the website	Continued reinforcement of issuance of information via internal and external homepages
	Promotion of communication with stakeholders	Seminars, business strategy presentations, and factory tours	Further seminars, business strategy presentations, and factory tours





Social activities

Search

## We provide our customers with the best healthcare environment.

### ■ Completing a new larger-scale training and customer support center

The center began operations in January 2009 with the purpose of improving customer support. The capacity of the new training center located on the 1st floor is double that of the old one, and the location of the lecture room next to the hands-on training room is expected to provide trainees with more efficient training. In order for service engineers to easily support an intra-hospital network system, for which demand is rapidly increasing, the new training center is also equipped with training facilities consisting of a virtual hospital LAN system so that trainees can experience service activities.



External appearance of the new building (Customer Support & Training Center)



Hands-on training room



Lecture room

### ■ Reinforced technical call center

The aim of the service business concept RPP™ is to increase system uptime so that customers can provide patients with the required examinations when needed. Quick repair even if the system malfunctions (Reactive), detection of a problem before the customer becomes aware of it (Proactive), and prevention before the system malfunctions (Predictive). In order to realize the RPP concept, we have introduced the remote maintenance system InnerVision™ Plus. This system is capable of monitoring customers' systems 24 hours a day, 365 days a year using a private line. Based on the information from InnerVision™ Plus, a resident specialist for each modality system works to take prompt and appropriate action in cooperation with the customer engineer to prevent malfunctions from occurring. Additionally, in emergencies, an application specialist is available to provide customer support while viewing the system screen.



## Toshiba's technologies significantly contribute to expanding the clinical value of MRI.

### ■ Development of Toshiba's acclaimed super high-speed imaging method "EPI"

Toshiba has developed the EPI method, a basic technique for super high-speed imaging. Although the existing MRI methods allow image acquisition without X-ray exposure, imaging requires several minutes to complete, making it difficult to acquire images of a moving organ.

The EPI method significantly reduces the scan time to 0.05 s. However, generation of artifacts was a problem. Despite this difficulty, Toshiba succeeded in developing the method and eliminating the artifact issue, contributing to significant improvements in the performance of MRI systems. The EPI method has made great contributions to the development of healthcare and welfare services. The practical application of the method has improved the clinical value of MRI systems, which are now considered indispensable for the diagnosis of three major diseases: cancer, cardiac disease, and cerebrovascular disease. (This technique was awarded the 2008 Ichimura Industrial Prize and the 2008 Science and Technology Prize by the Japanese Ministry of Education, Culture, Sports, Science, and Technology.)

## We aim to provide a safe working environment for all employees and their families.

### Promoting work-style innovation

To help employees balance work and family life, we are promoting a "work-style innovation" policy. Efficient work performance allows time for the enjoyment of hobbies, provision of home nursing care, etc., contributing to creation of an organizational climate that stimulates continual innovation. To achieve this, we utilize a handbook summarizing management expertise and examples of activities within the Toshiba Group.



### Supporting the diverse working styles of employees

In accordance with the Japanese Law for Measures to Support the Development of the Next Generation, which came into force in April 2005, we have planned and promoted a project to create a working environment that satisfies the needs of both work and child care. These activities have been well received, and we were certified as a company that promotes policies to support child care in August 2007. In fiscal year 2008, we revised the working system related to protection of pregnant employees, support of child care, support of family care, etc. in order to further enhance the work-life balance of employees.

#### Outline of working systems and number of participants

<As of March 31, 2009>

Name	Content		Participants in 2005	Participants in 2006	Participants in 2007	Participants in 2008
Child-care leave system	Applicable period: until the child is 3 years old, regardless of the working status of the spouse	Male	1	0	0	1
		Female	8	7	10	15
Family-care leave system	Applicable period: up to 365 days per family member in need of nursing care	Male	1	0	1	1
		Female	0	0	0	0
Reduced working hours system	Applicable period: until the child is in the 3rd grade (for child care): up to three years per family member in need of nursing care (for family care)	Male	0	0	0	0
		Female	5	8	9	11

\* Toshiba Medical Systems

#### Working systems revised in fiscal year 2008

Category	System	Changes
Protection of pregnant employees	Paid annual leave in hourly increments	Addition of reason: "hospital visit or treatment for pregnancy"
Child-care support	Accumulation of annual leave	Addition of reason: "care of a child up to the 3rd grade of elementary school"
Family-care support	Nursing holidays	Expansion of the applicable targets <ul style="list-style-type: none"> <li>• Child up to the 3rd grade of elementary school: 5 days per child</li> <li>• Child in the 4th grade or older and younger than 18 years old: 5 days in total for all</li> <li>• Child of 18 years or older: 5 days in total for all children</li> </ul>

### "Parent-child work experience learning" held at TMSC Headquarters

In response to the request from a local junior-high school, we held a parent-child work experience learning activity in August 2008. Eight 1st-grade junior high school students visited TMSC Headquarters during their summer holidays. This activity was intended to provide them with an opportunity to learn about the effort involved in work, about the demands of society, and, by directly visiting their parents' workplace, to consider the meaning of work and think about their own future. After the activity, the students gave their impressions. Comments included, "I enjoyed it a lot because I had the chance to see various types of medical equipment.", and "I was very interested in the use of microorganisms to treat wastewater."





As an enterprise and as individuals, our aim is to contribute to society.

■ Active participation in the Pink Ribbon Campaign

It is thought that about 90%\* of breast cancers can be cured if detected and treated early. However, the percentage of women who undergo mammography screening in Japan is low when compared to Europe and the USA., and more than 10,000 women lose their lives to breast cancer every year. To address the situation, installation of mammography equipment and promotion of breast cancer screening have increased in Japan as a matter of national policy. Toshiba Medical Systems has been supporting one such activity, the "Pink Ribbon Campaign", every year since 2003. In 2008, to highlight the importance of screening, we carried out educational activities such as participation in walk events across Japan, as well as exhibition and demonstration mammography equipment and diagnostic ultrasound systems used for breast cancer screening at the Pink Ribbon Festival, etc.

\* From the No. 29 Report of Clinical Statistical Studies on Registered Breast Cancer Patients in Japan



Participation in the educational Pink Ribbon Campaign. Attending walk events across Japan, operating a mammography screening campaign vehicle, exhibiting the relevant medical equipment

■ Providing a healing space with an annual painting exhibition for hospital patients

At a hospital in Chiba, Japan, the corridor leading to the hospice provides a non-stressful space for patients and their families, with paintings and other artworks exhibited every year. Toshiba Medical Systems has participated in this activity since 1993. In July 2008, works by current and retired employees were displayed.



Exhibition of paintings by current and retired employees

■ Conducting activities for the planting of 1.5 million trees in Japan and abroad

As a member of Toshiba Group, we have participated in Toshiba's 1.5 Million Tree-Planting Initiative since 2006. The aim of the initiative is to plant and maintain a total of 1.5 million trees around the world by 2025. In fiscal year 2008, we planted 3000 trees at the site of a former mine in Ashio, Tochigi Prefecture, Japan. In addition, we raised money from Group employees and donated 562,094 yen for the tree planting/growing program. In China, Toshiba Dalian Co., Ltd. employees and their families also took part in tree-planting activities.



Left: Planting 3000 trees at the site of a former mine in Ashio, Tochigi Prefecture, Japan  
Right: Tree-planting activities in Dalian, China



■ Promoting volunteer activities across Japan

Our headquarters and branch offices are involved in a variety of volunteer activities and events to promote communication with the local community.



Cleaning activity (Headquarters)



Cleaning activity (Kyushu Regional Office)



Factory tour by elementary school students (Headquarters)



Awa folk dance (Tokushima Branch Office)



Beach cleaning (Hokkaido Regional Office)



Blood donation (Kanto Regional Office)



In various parts of the world, our local staff are involved in a variety of activities to serve the local community.

➔ **Toshiba America Medical Systems, Inc.**

Local staff have been conducting fundraising activities for underprivileged people in the local community since 1986. Proceeds from the auction and other activities are used to provide clothing, toys, and living items to these families.



⬆️ ➔ **Toshiba Medical Systems (China) Co., Ltd.**

① Money, books, and educational items were donated to the Toshiba Hope Elementary School established by the Toshiba Group in Sichuan province in November 2007. After the Sichuan earthquake of May 12, 2008, the company sent 200,000 yuan and employees sent 93,000 yuan in relief funds. These donations were used to buy medical devices and medicine in the disaster area, and to conduct epidemic prevention activities.



⬆️ **Toshiba Medical Systems Europe B.V.**

Toshiba Medical Systems Europe joined the charity marathon event "Ropa Run 2008" held in May, 2008 as the sponsor of the Toshiba Midnight Runners team. Donations were requested from employees and their families. The proceeds were in aid of children with cancer.



⬅️ **Toshiba Medical do Brazil Ltda.**

② Toshiba Medical do Brazil established an organization to hold a book donation campaign. Books collected from employees were given to public libraries.  
③ In December, with financial assistance from the company, employees collected clothes and toys within the company and held a Christmas party for children in a nursing home.





Environmental activities

Search

## Environmental measures for newly constructed buildings.

### ■ New environmentally conscious buildings

We employed environmentally conscious design for our new buildings in order to reduce CO<sub>2</sub> emissions, reduce consumption of municipal water, and restore the natural cycle by draining rainwater into the ground. As significant measures to recycle water, we introduced water-permeable construction and a gray-water system. We have also employed measures such as installation of energy-saving light fixtures etc. to significantly reduce the amount of CO<sub>2</sub> emitted due to the consumption of electricity.



### ■ Major environmentally conscious measures for new buildings

- ① **Installation of a rainwater harvesting system**  
We introduced a water-permeable construction method for 60,000 square meters of parking space. Approximately 130,000 tons of water per year are returned directly to the groundwater. We have also installed osmotic cells, pipes, and tanks on the roofs of the new buildings to return approximately 20,000 tons of rainwater per year to the groundwater. This helps improve groundwater resources and prevent river flooding after concentrated heavy rain.
- ② **Wastewater recycling**  
We introduced a “gray water system” for the reuse of approximately 20 tons of water, part of the daily discharge of approximately 250 tons of wastewater from the treatment plant at Headquarters to the river. The recycled water is used in the toilets of the new buildings.
- ③ **Energy-saving lighting**  
For the corridors of the training floor, we are using LED lamps that consume 10% of the power of the existing lighting. In addition, we introduced a light-modulation system that adjusts lighting according to the intensity of outdoor light.
- ④ **Use of highly heat-insulating equipment and materials**  
We employed double-glazed windows and installed a Hi-Tuff roofing system (heat insulating material plus waterproof sheet) to improve cooling and heating efficiency in the room.
- ⑤ **Introduction of high-efficiency equipment**  
We introduced a high-efficiency electric transformer, a total heat exchanger, and high-efficiency chillers for the transformer station and air conditioning/ventilation facilities.



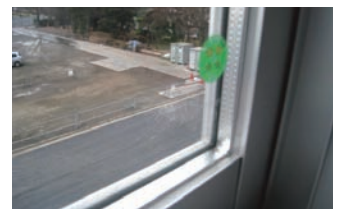
① System for draining rainwater into the ground



② Wastewater recycling



③ Energy-saving lighting system



④ Double-glazed window



⑤ Total heat exchange



⑤ High-efficiency chillers

## We will steadily adopt measures for achieving the goals set for 2050.

### ■ Fourth Voluntary Environmental Plan/Targets and results of fiscal year 2008

In order to achieve the Toshiba Group Environmental Vision 2050 targets established by the Toshiba Group, we have also established and activated our Voluntary Environmental Plan, aimed at reducing environmental impact. The table below shows the target values of the Toshiba Medical Systems Group's Fourth Voluntary Environmental Plan and Environmental Results for Fiscal 2008.

#### [What is Environmental Vision 2050?]

People leading rich lifestyles in harmony with the Earth – this is the ideal situation envisaged in 2050 based on the Toshiba Group Environmental Vision 2050. Under this overarching vision, we consider our mission, as a corporate citizen of planet Earth, is to create new, enriched value while striving to further reduce environmental impacts.

Item	Target for fiscal 2008	Achieved value	Evaluation	Target for fiscal 2009	Target for fiscal 2012	
<b>Improvement of product eco-efficiency</b>						
Provision of environmentally conscious products	Provision of environmentally conscious products	Over 45% of sales for each modality	51.2%	◎	Over 50%	Over 80%
	Total abolition of the use of 15 specified chemical substances in products	Understanding of the current status concerning total abolition of the use of 15 specified chemical substances*1 in products	Start of investigation concerning the 15 specified chemical substances in products	◎	Continued investigation concerning the 15 specified chemical substances in products	Achievement of the removal of 15 specified chemical substances from all developed products
<b>Innovation in business processes</b>						
Prevention of global warming	Reduction of energy-originated CO <sub>2</sub> emission per production unit	Reduction of 1% per year (Reduction of 48% at the production base in Japan compared to fiscal 1990)	Reduction of 49% compared to fiscal 1990	◎	Reduction of 51% compared to fiscal 1990 Monitoring of CO <sub>2</sub> emissions at non-production bases	Reduction of 68% compared to fiscal 1990 Monitoring of CO <sub>2</sub> emissions at non-production bases
	Reduction of logistics-originated CO <sub>2</sub> emission per production unit (for logistics in Japan)	Use of 31-foot JR containers, increased use of ships	Consideration of modal shift by employing 31-foot JR containers	◎	Start and expansion of use of 31-foot JR containers for Kansai District and Fukuoka	15% reduction of CO <sub>2</sub> emission per production unit compared to fiscal 2004
		Introduction of 63 low-emission vehicles such as hybrid vehicles in total (introduction of 7 vehicles in fiscal 2008)	Introduction of 70 vehicles in total (14 vehicles introduced in this fiscal year)	◎	Introduction of 75 vehicles in total (Introduction of 5 vehicles in fiscal 2009)	Introduction of more than 120 vehicles in total
Effective use of resources	Reduction of the total amount of waste generated per production unit	Reduction of 1% per year (Reduction of 29% at the production base in Japan compared to fiscal 2000)	Reduction of 29% compared to fiscal 2000	◎	Reduction of 27%*2 compared to fiscal 2000	Reduction of 30%*2 compared to fiscal 2000
	Zero emission of waste	Final disposal rate of less than 0.2% (at the production base in Japan)	Below 0.1%	◎	Production base: Maintaining level below 0.2% Non-production base: Continued monitoring of final disposal	Production base: Maintaining level below 0.2% Non-production base: Continued monitoring of final disposal
	Improving the recycling rate of used products	Recycling rate of over 87%	89%	◎	Over 87.5%	Over 89%
Management of chemical substances	Reduction of the total amount of chemicals released into the atmosphere and waters	Monitoring of the total amount of chemicals released	3.8 t	◎	Monitoring of the total amount of chemicals released Continued promotion of operational management focused on management of chemical substance handling.	(same as previous column)

#### Evaluation standard

◎: Achieved ○: Achievement rate above 80% △: Achievement rate below 80%

\*1: Asbestos/ Certain azo dyes and azo pigments (forming specific amines)/ Cadmium, cadmium compounds/ Hexavalent chromium, hexavalent chromium compounds/ Lead, lead compounds/ Mercury, mercury compounds/ Ozone-depleting substances (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)/ Polybrominated biphenyls (PBBs)/ Polybrominated diphenyl ethers (PBDEs)/ Polychlorinated biphenyls (PCBs)/ Polychlorinated naphthalenes (3 or more chlorine atoms)/ Radioactive material/ Some short chain chlorinated paraffins/ Tributyltin (TBT), triphenyltin (TPT)/ Tributyltin oxide (TBTO). Detailed definitions and specific applications to be excluded are specified separately.

\*2: Assuming increase in the amount of waste due to integration of Headquarters functions to the production base in Japan in fiscal year 2009



We are promoting the development of environmentally conscious products.

Reduction of environmental impact by providing environmentally conscious products

In fiscal year 2008, Aquilion ONE™ received a Toshiba Group “Excellent ECP” award. It has been selected as one of the Toshiba Group’s most environmentally conscious products, leading the industry in environmental efficiency. In order to achieve compliance with the International Electrotechnical Commission regulation IEC 60601-1-9 for environmentally conscious design, we are actively working to use raw materials with a low environmental impact and promote the replacement of hazardous chemical substances with alternatives.

X-ray Computed Tomography systems

Aquilion ONE™



Power consumption . . . 75% cut  
(Note: Converted to power consumption per standard study)

CO<sub>2</sub> emissions . . . . . 17,440 kg/year cut  
(Results compared with Year 2001 models)

Magnetic Resonance Imaging systems

EXCELART Vantage™



Power consumption . . . . . 35% cut

Resources . . . . . 16% cut

CO<sub>2</sub> emissions . . . . . 979.2 kg/year cut  
(Results compared with Year 2001 model)

Diagnostic Digital X-ray TV systems

Winscope™



Power consumption . . . . . 20% cut

Resources . . . . . 10% cut  
(Results compared with Year 2001 models)

Diagnostic Ultrasound systems

Artida™



Power consumption . . . . 30% cut

Resources . . . . . 10% cut

CO<sub>2</sub> emissions . . . . . 91.3 kg/year cut  
(Results compared with Year 2001 models)

Clinical Laboratory systems

TBA™-c4000



Consumables for testing . . . . . Reduced

CO<sub>2</sub> emissions . . . . . 8853 kg/year cut  
(Results compared with Year 2001 models)

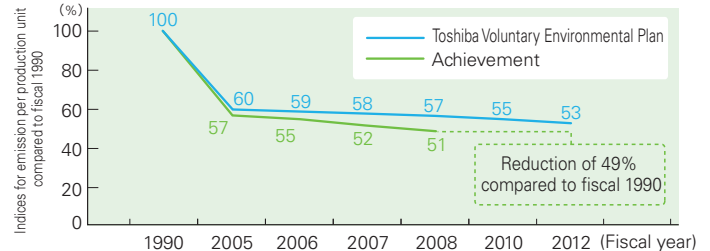
## We acknowledge that our activities are a source of CO<sub>2</sub>, and are making efforts to reduce our emissions.

### Trends in reduction of CO<sub>2</sub> emissions

In order to reduce emissions of CO<sub>2</sub>, a greenhouse gas that is having a major impact on global warming, in fiscal year 2008 we adopted the target of a 1% annual reduction in CO<sub>2</sub> emissions per production unit compared to fiscal 2007, and are making various efforts such as optimization of air conditioners to achieve that goal.

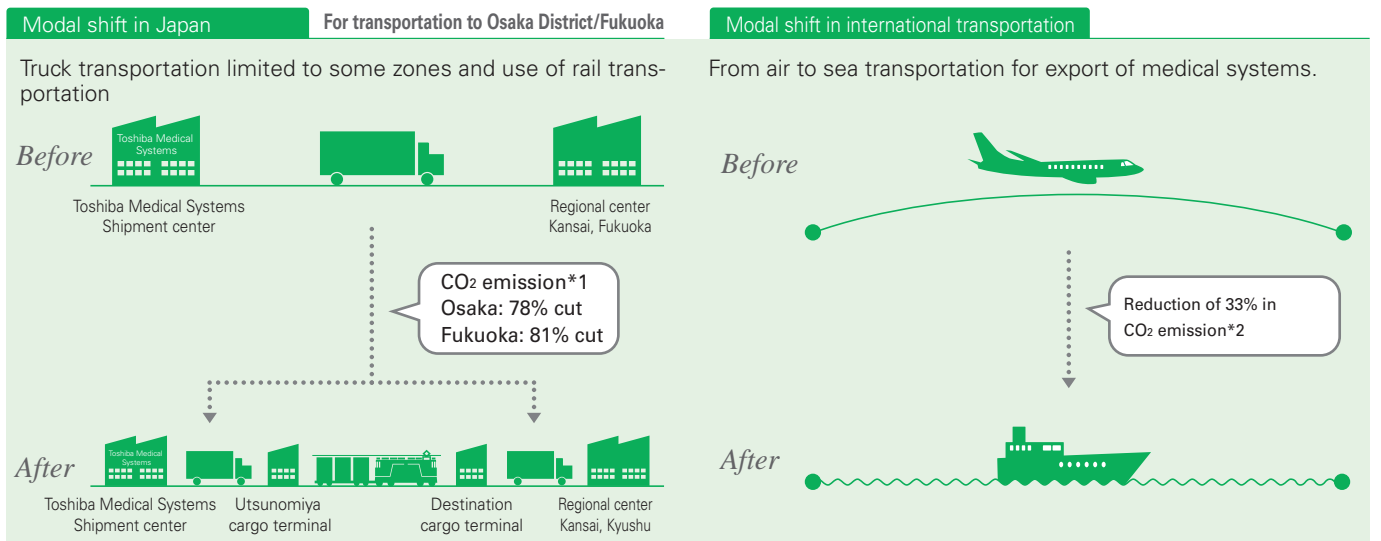
- 1) We adopted the respective CO<sub>2</sub> emission factors for electrical power, heavy oil A, and LPG (liquid petroleum gas).
- 2) Indices compared to fiscal 1990 are derived from the ratio of CO<sub>2</sub> emission to production, taking fiscal 1990 as 100.

### Trends in energy-originated CO<sub>2</sub> emission per production unit



### Improving efficiency in product distribution to reduce CO<sub>2</sub> emissions

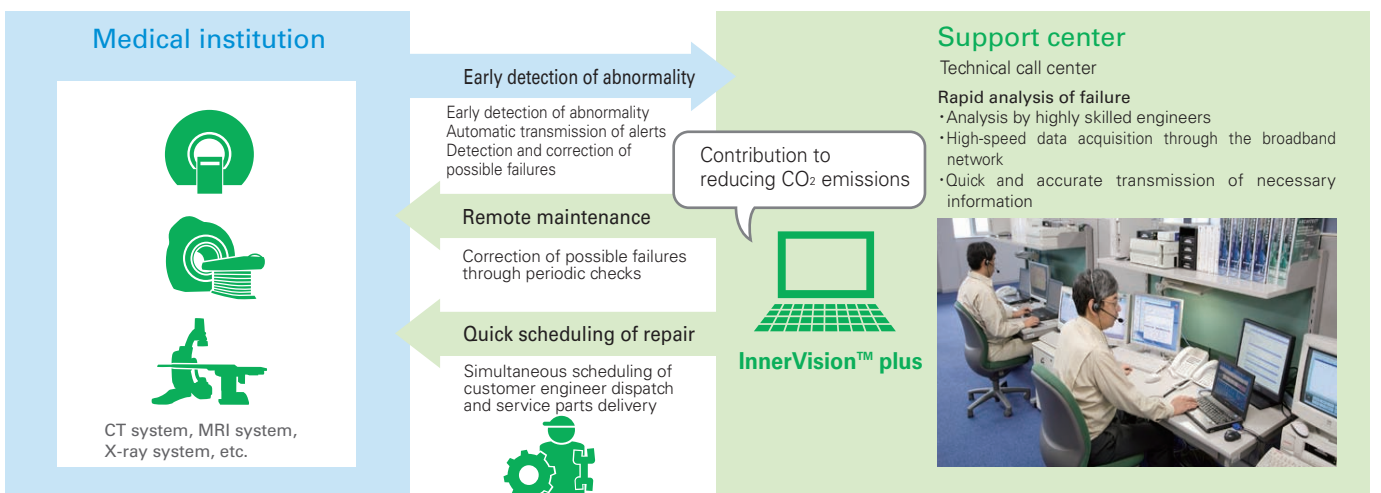
We are making efforts to reduce CO<sub>2</sub> emissions during product distribution by expanding modal shift from trucks to rail transportation and from air to sea, improving load efficiency, etc. In fiscal year 2008, we reviewed transportation methods both in Japan and abroad, achieving significantly reduced CO<sub>2</sub> emissions.



\*1: Emission per shipment (point to point) \*2: Emission per CT system

### Reduction of environmental impact in our maintenance/service activities

The introduction of our remote maintenance system InnerVision™ Plus allows early detection and correction of possible failures, minimizing movement of service staff and transportation of repair parts, resulting in reduction of transport-related CO<sub>2</sub> emissions. Moreover, we are verifying the possibility of reducing environmental impact, for example by understanding the operating conditions for each product and optimizing system performance to minimize the impact of the system on the environment.



## We will promote recycling and reduce waste generation.

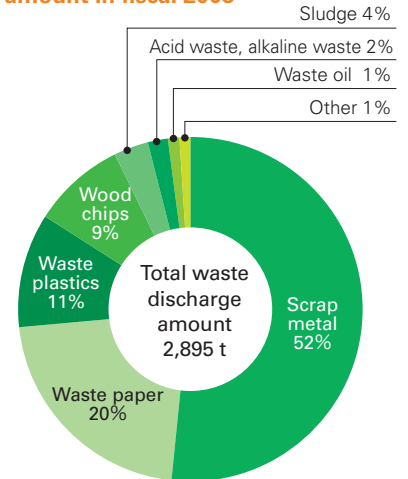
### Reducing waste generation and increasing the amount recycled

With regard to the total amount of waste generated, based on the fourth Voluntary Environmental Plan we set a target to reduce the total amount of waste generated per unit production by 30% (compared with fiscal 2000) and to achieve a rate of final disposal of 0.5% by fiscal 2012. In fiscal 2008, we had already achieved a 29% reduction in the total volume of waste generated per unit production, and reached the target for a rate of final disposal for zero waste emissions by achieving 0.1%. We will continue to actively promote recycling and waste reduction through activities such as the "3R Promotion Month" (3R: reduce, reuse, recycle).

#### Trends in the total amount of waste discharged by Toshiba Medical Systems



#### Breakdown of total waste discharge amount in fiscal 2008



### Introduction of activities to reduce waste in fiscal 2008

- Reuse of cardboard packaging for CT couch covers

We began reusing the cardboard packaging for CT couch covers in May 2008. This led to a reduction in the amount of cardboard discharged as waste of approximately 33 t per year.



- Employment of reusable containers for procured products to reduce packaging materials

We replaced the existing horizontal-type cardboard packaging with a vertical-type reusable container from January 2009. Total packaging waste was reduced by 1248 kg in the three months from the introduction of the new packaging to the end of March 2009.

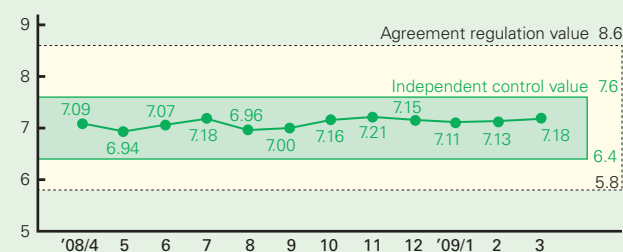


## Wastewater is cleaned before being returned to the ecosystem.

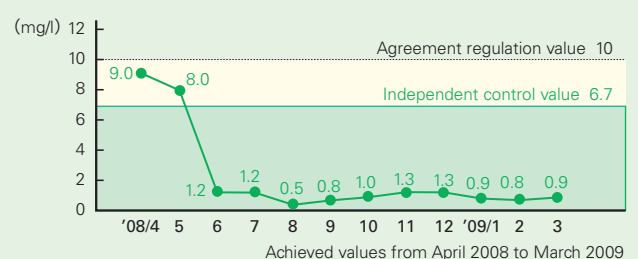
### Extensive water quality control and testing

As the most effective system for preserving water quality, we established a wastewater treatment plant at Headquarters. Enhanced 24-hour management and extensive water quality testing are performed at the plant. We filter the wastewater until it is close to the quality of natural water. This is assessed through water quality tests involving both collection of data and observation of fish in a test tank. All of the water quality measurements cleared the control values of the laws and regulations (agreement regulation values).

#### Hydrogen Ion Concentration Index (pH)



#### Biochemical Oxygen Demand (BOD)



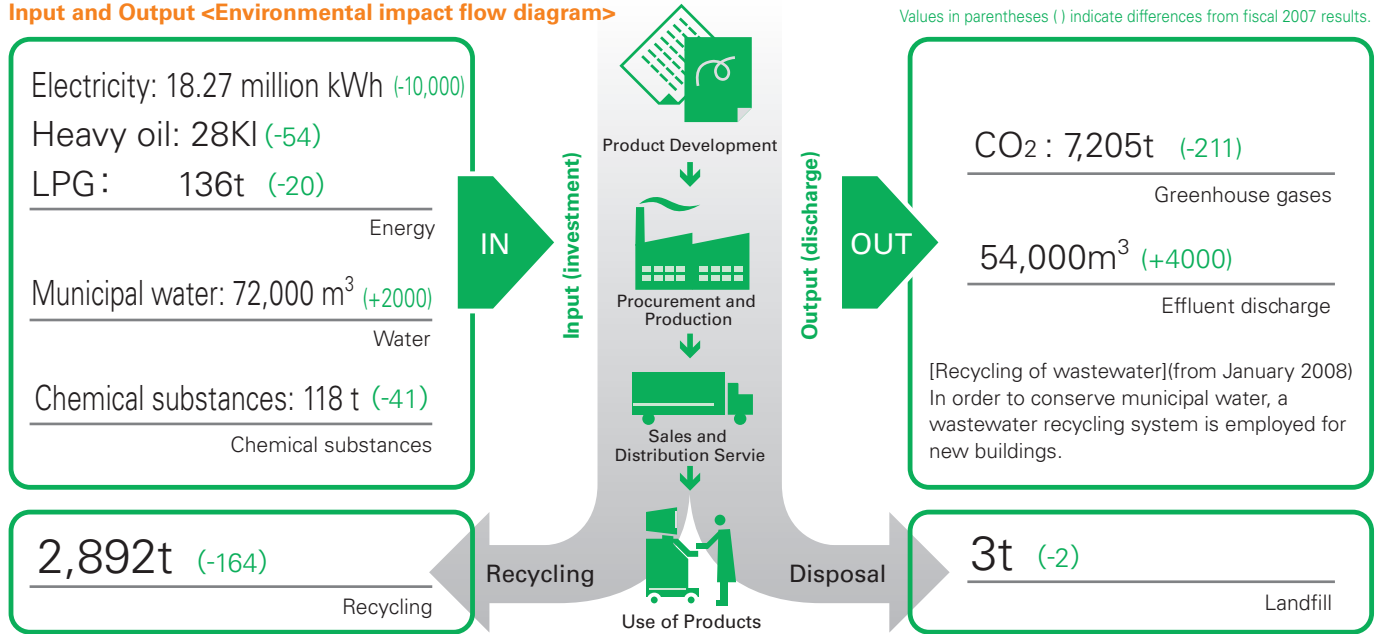


## We are attempting to build a recycling-oriented society.

### Energy invested and discharged over the entire life cycle of a product

The major environmental impacts associated with our business activities, such as development, production, and service of our products, include the use of energy, use of chemical substances, effluent discharge into public waters, and discharge of waste. In fiscal 2008, although the amount of municipal water we used increased, the amounts of other energies and chemical substances used, as well as exhaust gases and waste discharge, were considerably reduced.

#### Input and Output <Environmental impact flow diagram>



\* Totals by Headquarters, the production base for Toshiba Medical Systems. Each numerical value is an actual measurement. The CO<sub>2</sub> conversion factors used are those for fiscal 2007 and 2008, respectively.

## Environmental accounting report

We introduced an "Environmental Accounting System" in fiscal 1999 to assess the costs and benefits of our environmental protection activities and to serve as a guideline for our business activities. In fiscal 2008, we expanded the scope of totals to include eight bases of group companies in Japan and overseas (offices with 30 or more employees), and released environmental accounting information that represents the whole of Toshiba Medical Systems Group. We calculated the expenditure invested in environmental protection activities in fiscal 2008, "costs of promoting environmental activities," as well as "benefits of promoting environmental activities," including the actual benefits, assumed benefits, and customer benefits resulting from these environmental protection activities. We will make every effort to further improve the precision of our environmental accounting.

#### Costs of promoting environmental activities

Classification	Content	Unit: million yen	
		Investment expenditure	Costs during the period
Business area costs	Reduction of environmental impact ① to ③	74	266
└ Breakdown ① Pollution prevention costs	Pollution of atmosphere, water quality, soil, etc.	0	41
② Global environment protection costs	Prevention of global warming, protection of ozone layer, etc.	74	123
③ Resource circulation costs	Effective use of resources, waste reduction, etc.	0	102
Upstream/downstream costs	Green procurement, recycling, etc.	5	217
Administration costs	Labor costs for environmental training, environmental protection, etc.	0	151
Research and development costs	Development of environmentally friendly products, etc.	0	1,759
Social activity costs	Tree planting, disclosure of information, etc.	0	0
Environmental remediation costs	Air pollution levy, etc.	0	0
	<b>Total</b>	<b>79</b>	<b>2,393</b>

#### Benefits of promoting environmental activities

Classification	Content	Total
Actual benefits	Benefits that can be directly converted into monetary value, such as reductions in electricity and water charges	-32
Assumed benefits	Benefits concerning reduction in environmental impact converted into a monetary amount*	32
Customer benefits	Benefits concerning reduction in environmental impact at the usage stage converted into a monetary amount	673
Risk prevention benefits	Calculated value of reduction in environmental risk before and after investment	0
	<b>Total</b>	<b>673</b>

#### Breakdown of actual benefits

Item	Reduction of environmental impact*	Benefits converted into a monetary amount
Energy	-476KI	-49
Waste	30 t	21
Water	-9,202 m <sup>3</sup>	-4
	<b>Total</b>	<b>-32</b>

#### Breakdown of assumed benefits

Item	Reduction of environmental impact*	Benefits converted into a monetary amount
Wastewater-related	3.1 t	18
Atmosphere-related	0.6 t	14
	<b>Total</b>	<b>32</b>

#### Breakdown of customer benefits

Item	Reduction of environmental impact*	Benefits converted into a monetary amount
Environmental impact reduction benefits at the usage stage	29.25 million kWh	673

\* The level of reduction in environmental impact is the difference between fiscal 2007 and fiscal 2008.

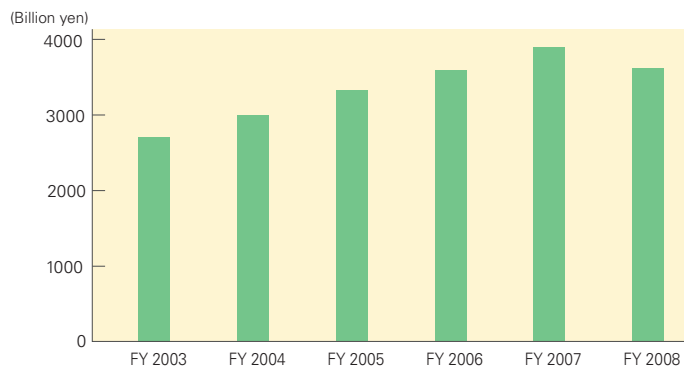
Target scope of totals: Toshiba Medical Systems Corporation and group companies in Japan and other countries (for offices with 30 or more employees)  
Calculation period: April 1, 2008 to March 31, 2009  
Calculation method: Environmental protection costs according to the Ministry of the Environment's "Environmental Accounting System Guidelines"; environmental protection benefits according to Toshiba's independent standards.

## Corporate Profile



Company name	Toshiba Medical Systems Corporation
Founded	October 1930
Incorporated	September 1948
Representative director/President	Kenichi Komatsu
Headquarters	1385 Shimoishigami, Otawara-shi, Tochigi-ken, JAPAN Tel: +81-287-26-6211
Capital	20.7 billion yen
Number of Group employees	7506 (as of March 31, 2009)
Scope of business	Development, manufacture, sale and technical services for medical equipment and systems (including diagnostic X-ray systems, X-ray CT systems, magnetic resonance imaging systems, diagnostic ultrasound systems, radiotherapy systems, diagnostic nuclear medicine systems, clinical laboratory systems, and information systems for medical institutions).

### Group consolidated sales



### TOSHIBA MEDICAL SYSTEMS CORPORATION

Headquarters 1385 Shimoishigami, Otawara-shi, Tochigi-ken, 324-8550, JAPAN  
Tel.: +81-287-26-6211

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- Toshiba Medical Systems Corporation holds ISO 9001 and ISO 13485 certification, international standards for quality management systems.
- Toshiba Medical Systems Corporation holds ISO 14001 certification, an international standard for environmental management systems.
- Headquarters of Toshiba Medical Systems Corporation holds OHSAS 18001 certification, an international standard for occupational health and safety management systems.

Website

<http://www.toshiba-medical.co.jp/tmd/english>

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