

Editing policy

This report uses an ISO 26000 item format. The contents of the environmental report have been enhanced.

Period of report

This report mainly focuses on the results of activities in FY2014 (from April 1, 2014 to March 31, 2015), but also includes past activities that are still in progress, as well as more recent activities.

Extent of report

TMSC and TMSC group companies.

Parts of the report also present activities of the entire Toshiba Group or Toshiba Group companies.

Publication Date

October 2015 (previous publication: August 2014; next publication: July 2016 (projected))

Reference guidelines

- GRI (Global Reporting Initiative)
- Sustainability Reporting Guidelines (G4)
- Environmental Reporting Guidelines (FY2012 Version), Ministry of the Environment of Japan - ISO 26000: 2010

TOSHIBA
Leading Innovation >>>



Made for Life



TOSHIBA MEDICAL SYSTEMS CORPORATION

Headquarters: 1385 Shimoishigami, Otawara-shi, Tochigi-ken, JAPAN
Tel.: +81-287-26-6211
<http://www.toshibamedicalsystems.com/>

© Toshiba Medical Systems Corporation 2015

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



"Made for Life", "Xario", "Aquilion ONE", "Vantage Elan", "Pianissimo", "ZEXIRA", "Aplio", and "Aquilion" are trademarks of Toshiba Medical Systems Corporation.

2015 CSR Report



TOSHIBA MEDICAL SYSTEMS CORPORATION

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 customers worldwide.

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 life-time solutions.

MANAGEMENT SLOGAN

[Made for Life]

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

Made for Patients, Made for You, and Made for Partnership

Corporate Profile	Company name	Toshiba Medical Systems Corporation
	Founded	October 1930
	Incorporated	September 1948
	President and Chief Executive Officer	Toshio Takiguchi
	Headquarters	1385 Shimoishigami, Otawara-shi, Tochigi-ken, JAPAN Tel +81-287-26-6211
	Capital	20.7 billion yen
	Number of Group employees	9,760 (as of March 31, 2015)
	Group consolidated sales	405.6 billion yen (FY2014 results)
	Activities	Development, manufacturing, sales, and technical servicing of medical equipment and systems (including diagnostic X-ray systems, X-ray CT systems, MRI systems, diagnostic ultrasound systems, radiotherapy systems, diagnostic nuclear medicine systems, clinical laboratory systems, and healthcare IT solutions)

Message from the President

In our 100 years in the medical equipment business (which began with research and development of X-ray tubes in 1914), based on our management slogan, "Made for Life", we have dedicated ourselves to meeting the needs of our customers with cutting-edge technologies, and have continued to contribute to the future of healthcare. As a member of Toshiba's Healthcare Company since last year, we have been engaging in activities aimed at achieving a society in which people live healthy, happy lives. Based on the corporate philosophy symbolized by our management slogan "Made for Life", we will implement further innovation in partnership with those involved in healthcare services around the world. Over the next 100 years, we will continue our efforts, providing optimal solutions for healthcare services to enable early detection of diseases, accurate diagnosis, and treatment that reduces the burden on patients.

Promoting CSR management on a global scale

Toshiba Group considers CSR management as "giving the utmost priority to life, safety, and compliance with laws and regulations", and "contributing to solving social issues around the world through business activities". We respect human rights and observe the laws, ordinances, and social standards of each country and region. We ensure the same commitment in our suppliers. Fully recognizing our responsibility to contribute to local communities through healthcare, we will continue our efforts to ensure that TMSC remains a fair and incorruptible company, and work hard to increase the trust that society places in us.

Enhancing environmental management in order to contribute to protection of the global environment

With the continuing challenge of global warming, environmental contamination, and the threat to biodiversity, one mission for all companies is to contribute to conservation of the global environment. We focus on "Greening of products", which involves developing products through an environmentally conscious design process, and provide customers with products and services that achieve the industry's highest level of environmental performance. We also focus on "Greening of Process" as our environmental management policy, minimizing the environmental impact of all our business processes by improving the efficiency of the manufacturing process and implementing a modal shift in the product distribution process.

Acting and advancing together with our stakeholders

We will continue to place great importance on communication with all stakeholders, including our customers, and to accelerate our global business operations. With the aim of maintaining strong trust in our business, all employees of Toshiba Medical Systems Group practice CSR in their daily activities. We look forward to your continued support and guidance.



President and Chief Executive Officer
Toshio Takiguchi

Everything we do is for people, for society, and for the Earth.

TMSC is contributing to healthcare while working to achieve a sustainable environment.

As a global company having a global perspective, TMSC is making every effort to provide people-friendly and earth-friendly medical systems. TMSC is committed to all stakeholders, and strives to contribute to communities around the world.

Objectives and main results for FY2014/Objectives and plans for FY2015

Social Report		
Contents	Main results for FY2014	Objectives and plans for FY2015
Organizational governance/Fair operating practices — P10 	<ul style="list-style-type: none"> - Promotion of CSR management aimed at contributing to resolution of social issues - Implementation of activities for cultivation of compliance awareness (educational programs tailored to employees at different organizational levels, e-learning, and meetings focusing on compliance topics at each workplace) 	<ul style="list-style-type: none"> - Promotion of CSR management - CSR supported by 200,000 employees - Expansion of participation in "whole group action" - Implementation of various compliance promotion policies (education/meetings on compliance topics) at TMSC Group worldwide
Human rights/Labor practices — P11 	<ul style="list-style-type: none"> - Human rights education for new recruits and for employees - Establishment of an internal system based on "Toshiba Group Conflict Mineral Policy" - Continued achievement of the legal employment rate for people with disabilities - Formulation and review of various work style innovation policies - Further enhancement of supporting measures for employees using the child-care/family care leave system 	<ul style="list-style-type: none"> - Continued promotion of human rights enlightenment activities - Respect for human rights (level-specific training etc.) - Continued surveys regarding use of conflict minerals - Reduction of overtime work hours, encouraging employees to take compensated leave by promoting policies such as workstyle innovation - Further enhancement of supporting measures for employees using the child-care/family care leave system - Maintaining and expanding the level of the legal employment rate for disabled people
Occupational health and safety — P12 	<ul style="list-style-type: none"> - Promotion of policies related to health and safety activities based on Occupational Health and Safety Management System - Cultivation of risk assessment and implementation of policies for expanding it - Continued health support for employees based on health support system - Hosting health education programs and seminars 	<ul style="list-style-type: none"> - Continued improvement to create a safe, comfortable work environment based on OHSAS18001 - Policies promoting physical and mental health of employees - Action to eliminate traffic accidents
Consumer issues — P13-15 	<ul style="list-style-type: none"> - Establishment of global quality management system - Reduction of waste discharge, and quality assurance by optimizing installation procedures - Improved services for customers through installation of the latest sales tools (Tablet type sales tool "EiplazaMB"/3D CAD) 	<ul style="list-style-type: none"> - Promotion of product quality and safety assurance - Improvement of customer support
Community involvement/Overseas activities — P16-19 	<ul style="list-style-type: none"> - Continued community service activities in many regions of Japan. (Pink Ribbon Campaign, Periodic cleaning activities, Snow removal, Factory tour for children with cancer, etc.) - Community service activities by our subsidiaries around the world (Toshiba Canada, Ltd., Toshiba Medical do Brazil Ltda., Toshiba Medical Systems Korea Co., Ltd., Toshiba Medical Systems Turkey A.S.) 	<ul style="list-style-type: none"> - Enhancement and promotion of social contribution and community service activities at our sites within and outside Japan - Activities to contribute to regional healthcare - Activities to support recovery of disaster-affected areas

Basic policies concerning the CSR activities of TMSC

1. We aim to earn the trust of society and continue growing, making a positive contribution as a member of society with a respect for life.
2. We practice honest and transparent management, giving the utmost priority to life, safety, and compliance with laws and ordinances, and aim to be an Earth-conscious 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.

Environmental Report		
Contents	Main results for FY2014	Objectives and plans for FY2015
Environmental policies/Highlighting environmental activities — P20-21 	<ul style="list-style-type: none"> - "Interconnected environmental communication" promoted by all employees around the world - Promotion of "Excellent ECP" certification system and creation of Excellent ECP environmentally conscious products - Activities in various parts of the world to publicize environmental performance of systems with reduced environmental impact - Participation in environmental activities of industrial associations 	<ul style="list-style-type: none"> - Continuation of contents from FY2014
Environmental management — P22-23 	<ul style="list-style-type: none"> - Setting targets for reduction of environmental impact to fulfill "Environmental Vision 2050" and review of activities and targets - Enhancement of system for promoting environmental activities with the aim of achieving further business growth while reducing our environmental impact 	<ul style="list-style-type: none"> - Target achieved for all items in the TMSC Fifth Environmental Action Plan - Further enhancement of environmental management system and internal control
Environmental consideration for products — P24-29 	<ul style="list-style-type: none"> - Efforts to develop products that achieve the industry's highest level of environmental performance (Improvement of environmental performance/Creation of Excellent ECP products/Creation of environmentally friendly products, etc.) - INFX-8000C and Xario™ 100 recognized as Toshiba Group Excellent ECP products for their environmentally conscious designs 	<ul style="list-style-type: none"> - Further expansion of environmentally friendly products - Global observation of environmental laws and regulations, and maintenance of compliance with environmental standards
Environmental consideration in manufacturing and business processes — P30-31 	<ul style="list-style-type: none"> - Promotion of eco-friendly refurbished medical systems in many parts of the world - Utilization of data and costs of our environmental impact to serve as a guideline in our business activities - Environmental accounting report 	<ul style="list-style-type: none"> - Implementation of energy-saving items through energy-saving projects - Further reduction of generated waste by enhancing separation of materials
Promotion of biodiversity conservation — P32-33 	<ul style="list-style-type: none"> - A variety of biodiversity conservation activities (Improvement of green space within the headquarters/Creation of butterfly biotope/Flora and fauna observation in cooperation with local communities) 	<ul style="list-style-type: none"> - Promotion of biodiversity conservation in cooperation with the local government and local communities
Environmental communication — P34-35 	<ul style="list-style-type: none"> - Environmental promotion activities in cooperation with local communities (Group cleaning of industrial complex in Nozaki/Receiving visits from students from neighboring elementary schools/Hosting a seminar with an invited lecturer) 	<ul style="list-style-type: none"> - Positive participation in local events and receiving factory tour visitors - Planning and awareness-raising for monthly campaigns

From community healthcare site



Radiological technologists
From left: Mr. Itomi, Mr. Kawada, Mr. Takagi (Chief Radiological Technologist)

To provide the best and quickest diagnosis for as many patients as possible, along with improvement of imaging technology

With the aim of promoting the progress of diagnostic imaging techniques and contributing to healthcare services, TMSA presents awards for "Garon: The Best Image", evaluating clinical value, image quality, and the use of unique imaging or processing techniques. The 22nd "Garon" was held in December 2014. We asked for comments on "Garon" from Mr. Kawada, a radiological technologist at Seisho Hospital (Odawara city, Kanagawa prefecture) which has won the highest "Garon" award category for 2 consecutive years.



Venue at the 22nd "Garon: The Best Image"

"Because "Garon" provides a lot to learn from previous images, it serves as one of the important tools for sharing techniques."

"In order to provide the best diagnosis in hospitals in local regions, we want to meet the needs of clinical practice by getting more out of the system than the specifications indicate."

"In addition to developing cutting edge technologies, I hope that Toshiba Medical Systems will serve as a bridge to improvements in clinical practice."

"I hope that "Garon" continues, so that better clinical images can be achieved."

Mr. Junichi Kawada
Radiological Technologist,
Department of Radiology,
Seisho Hospital

Other manufacturers also hold events in which imaging techniques presented by the users are discussed. The reason we choose to submit images to "Garon" is that it is a pioneer with more than 20 years of history, representing the largest number of applications. Imaging techniques are often presented by the manufacturer. However, the imaging technique presented by the user in "Garon" spreads among users, and sometimes the technique becomes the standard method. I also utilize techniques from "Garon" in daily examinations by referring to previous "Garon" images and by learning from the techniques used in the high-end systems. I feel that through "Garon", Toshiba Medical Systems as a manufacturer, radiological technologists like us, and those involved in examinations are able to cooperate on advances in imaging techniques.

The system at our site is not a high-end model. There are limits to what can be performed using midrange or general-purpose systems. However, this is not the patient's problem. The ideal thing for the patient is to be able to receive accurate diagnosis at the hospital of their primary visit and receive prompt treatment. I am always making efforts to provide useful images for the physician to perform diagnosis. Sometimes, the demand from the physician regarding image quality is higher than what can be obtained according to the standard specified performance of the system. But through our efforts, it can be possible to obtain image quality that exceeds the standard performance. The image which received a "Garon" award this year was obtained by adjusting the timing of image acquisition.

We hope that Toshiba Medical Systems, as the company that produces cutting-edge systems such as Aquilion ONE™, continues to develop patient friendly systems that provide useful examination results. On the other hand, these high-end models are only affordable for relatively large hospitals. Many of the smaller hospitals are using midrange or general purpose systems. It is necessary for systems of any class to provide the best diagnosis for the patient, and thus improvement of overall medical technologies is necessary to satisfy clinical demands. In this sense, "Garon" is also extremely helpful in improving the operational skills of the technologists. I hope that Toshiba Medical Systems continues to serve as a bridge in the future, exercising leadership in the entire healthcare field and improving the performance of all systems while publicizing "Garon".

For neurosurgery departments, it is important that various items in addition to the target region are clearly visualized in order to create clinical images, such as the brain, vessels, bone, body fluids, edema, etc. The clinical image which received an award this year was also highly evaluated for its clinical usefulness. For this image, quick and precise preparation was made based on evaluation in advance of the examination. To generate better clinical images, it is necessary to discuss with the radiological technologists when generating clinical images. In a facility like ours where the budget is not sufficient for expending on research, it is difficult to say that the environment is optimal for technical improvement of radiological technologists. Under these conditions, "Garon", where imaging techniques can be evaluated and shared, is not only clinically useful, but also helps to improve the imaging techniques of radiological technologists and improve medical technologies. I hope that "Garon" will continue in the future.



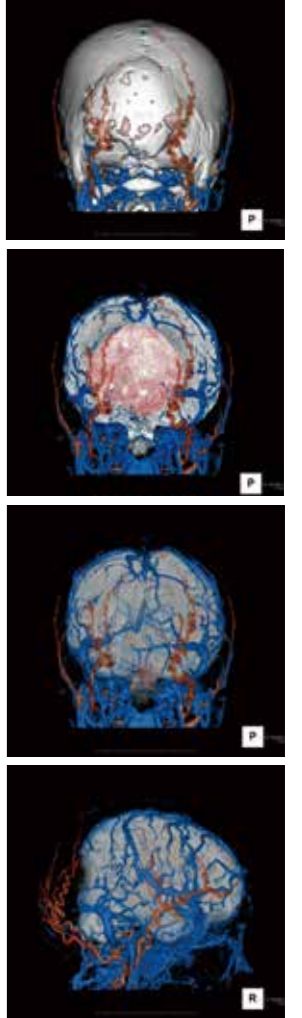
"There is a lot to learn from the efforts of Seisho Hospital for making the most of the capabilities of the general-purpose 16-slice CT system."

Takahiro Kurosaka, Application Group, CT Sales Department

The reason we decided to introduce Seisho Hospital is that we would like more users to know that technology with high potential is provided in general-purpose systems such as 16-slice CT systems, and it is possible to obtain excellent clinical images using such a system. There is a lot to learn from the ideas that have been developed by the radiological technologists at the hospital. And these ideas are reflected in the development of new systems. Under our philosophy "Made for Life", with the aim of maximizing the performance of all system types, we have incorporated the dose reduction technology AIDR 3D, originally developed for our high-end systems, in our general-purpose systems. We will make further efforts in cooperation with the physicians and the radiological technologists so that Toshiba's medical systems can help to improve the quality of life of patients.



16-row multislice CT system Alexion™



Images that received a Best Image of 2014 award



Dr. Jiro Tominaga,
Vice President of Seisho
Hospital and Head of the
Stroke Center



Seisho Hospital



Project members for development of Vantage Elan

TOPICS

02

Received an Eco Products award

"Ecology is economy" reduction of lifetime cost was highly evaluated.



The Vantage Elan™ MRI system received a Chairperson's Award, Eco Products Awards Steering Committee (in the Eco Products Category) at the 11th Eco Products Awards exhibition. With the demand for medical equipment to achieve a high level of safety, functionality, and reliability, this system was highly evaluated for its smaller installation area requirements and shorter installation time, in addition to significantly reduced energy and resource consumption during operation at medical facilities.

[Eco Products Awards]

The Eco Products Awards were established in 2004 with the aim of supporting the activities of companies that provide eco products. Awards are given for products and services that reduce environmental impact (eco products), and appropriate information on these products is highlighted for vendors and consumers.



Logo for the 11th Eco Products Awards

Features of Vantage Elan

Vantage Elan is an environmentally friendly next-generation MRI system with reduced lifetime cost requirements. The system features a small installation footprint, power-saving performance, and a design that reduces use of rare materials. The importance of maintenance and service have been considered in the design, and economic benefits are maximized based on the concept "clean, easy to operate, and compact". The system incorporates a new structural design, reducing the physical and mental burden for patients during examination.

Low power requirements, allowing utilization of existing line capacity at the facility

The rated power consumption of the system is reduced to 1/3 of that for our conventional models, achieving lowest-in-class consumption of 25 kVA. Work for air-conditioning systems and electrical installations etc. is therefore minimized.

Extensive power-saving performance

Eco mode is activated automatically when the couch is lowered after scanning. The maximum power consumption is reduced to approximately half that of conventional models.

Smallest-in-class installation space requirement of approx. 23 m²

Vantage Elan makes it possible to replace a permanent-magnet MRI system by eliminating the necessity for examination room expansion work. Vantage Elan requires less installation work for the shielded room etc., contributing to efficient utilization of resources around the system.



"Very pleased with the excellent noise reduction technology, system performance, and image quality, as well as the reduced power consumption."

Markus Sautter, M.D. Radiologist, Germedicum Radiologie, Germany

"One of the main reasons we are very pleased with the new Vantage ELAN scanner is its Pianissimo™ noise reduction technology. We close the door and it is absolutely silent. Avoiding acoustic noise is a significant issue in our daily work since it puts patients at ease and addresses a major problem for people working with MRI every day. In addition to running silent, the system performance and image quality of the new scanner is excellent.

Also very important for us: the Vantage ELAN is reducing our operating costs for the practice and we expect to cut costs for electricity by 50% next year. In addition helium costs are reduced by €20,000 per year to zero. To save even more energy the water cooling of the Vantage ELAN is directly connected to the heating system of our ecologically designed building."



Social report

We aim to be a better company that contributes to society through healthcare, fulfilling the expectations of our various stakeholders.

We aim to contribute to solving social issues through our global business management.

Toshiba Group CSR Management Goals



Promotion and structure of CSR management

As a member of Toshiba Group, we chose "Promotion of CSR management" as one of our key management policies. As part of CSR management, we urge our employees in all parts of the world to comply with the Toshiba Medical Systems Group Standards of Conduct in all business activities.

CSR Management Structure of Toshiba Medical Systems Corporation



In order to conduct our business activities in a fair manner, we strive to ensure compliance with laws and ordinances.

Enhancing activities to ensure compliance with laws and ordinances

To ensure compliance with laws and regulations, social and ethical norms, and internal rules throughout our worldwide operations, and to promote fair business, we are promoting various risk/compliance management policies throughout our operations. We are providing continuous education for all employees (e-learning and compliance education concerning specific laws), working to create an organizational climate that focuses on compliance (periodic meetings on compliance topics at each workplace), and making every effort to ensure compliance with applicable laws and regulations (including "Risk Hotline", an internal reporting system, and "Clean Partner Line", a reporting system for our business partners).



"In cooperation with each department/section, we are fostering an environment in which sales activities are conducted fairly and ethically."

Nobuhiro Washio
Executive Vice President and General Manager of the Global Sales Division

As a system for ensuring that all business negotiations are conducted fairly, we are working with the department responsible for compliance issues and checking observance of laws and regulations by setting checkpoints at appropriate stages of each business negotiation conducted by each sales department.

At our branch offices in the front line of sales and service, a compliance counselor has been assigned so that employees can ask questions or seek advice on compliance issues as necessary. Periodic meetings on compliance topics are also being held to promote education and creation of an organizational climate in which compliance is ensured. Under the slogan "No compliance, no business", we are continuously providing education to personnel and improving our infrastructure to foster an environment in which sales activities are conducted fairly and ethically.

Through educational and enlightenment activities, we strive to create organizations in which people from diverse backgrounds can actively work together.

Respect for human rights

The basic policies of Toshiba Medical Systems Group include respect for human rights, elimination of discriminatory treatment, and observance of laws and regulations. In the "Toshiba Medical Systems Group Standards of Conduct", it is specified that diversity of individual values, personality, and privacy should be respected, and that discriminatory behavior concerning race, religion, sex, nationality, mental or physical disability, age, or sexual orientation, as well as behavior detrimental to human rights, such as violence, sexual harassment, or power harassment, should be eliminated. Through educational activities, we are promoting awareness of and respect for human rights.

Measures concerning conflict minerals

Toshiba Group's policy stipulates that raw materials mined in the Democratic Republic of Congo and adjoining countries which are experiencing armed conflicts must not be used (i.e., gold, tantalum, tungsten, and tin). In October 2011, Toshiba Group established an internal system for dealing with conflict minerals and posted the "Toshiba Group Conflict Mineral Policy" on its website. TMSC Group has also been taking the necessary measures to comply with this policy.

Respect for diversity

● Employment of non-Japanese people

We are actively promoting employment of non-Japanese people, not only at overseas subsidiaries but also at group companies in Japan. We also provide education programs for them in order to create an organizational climate in which people from diverse backgrounds can work together effectively.

● Encouraging employment of people with disabilities

Toshiba Medical Systems Group will maintain its commitment to employing people with disabilities (maintaining an employment rate equal to or higher than the legally required rate of 2%) and to further expanding areas in which they can be more active.

We strive to create a safe, comfortable work environment for all employees.

Promotion of workstyle innovation

Toshiba Group has been promoting workstyle innovation to enable employees to work conscientiously and efficiently while making the most of their life outside work. This encourages rejuvenation and self-improvement so that employees can add higher value to their work. In cooperation with the employees' labor union, Toshiba Medical Systems Corporation is promoting workstyle innovation policies.

Supporting the careers of employees raising children, caring for family members, etc.

Based on our Action Plan*, and through discussions with the employees' labor union, we are striving to foster a work environment that allows employees to maintain an active role by taking maternity leave and child-care/family-care leave, or using the reduced working hours system as necessary.

Outline of working systems and number of participants

		2010	2011	2012	2013	2014
Child-care leave system	Applicable period: Until the child is 3 years old (regardless of the working status of the spouse)	Female: 19; Male: 1	Female: 26; Male: 2	Female: 26; Male: 1	Female: 21; Male: 1	Female: 43; Male: 1
	Applicable period: Until the child graduates from elementary school (for child care) Up to 3 years per family member in need of nursing care	Female: 10; Male: 0	Female: 25; Male: 0	Female: 37; Male: 0	Female: 22; Male: 0	Female: 65; Male: 0

<As of March 31st, 2015> *Toshiba Medical Systems Corporation only

*Action Plan: This specifies a target period, measures to take, and timing of implementation, in order to achieve a working environment appropriate to helping our employees balance work and child care, as well as environments that are friendly to those engaged in other types of care. Action Plan is based on the Next Generation Education and Support Promotion Act, under which creation, notification, publication, and promotion of an action plan is mandatory for companies with more than 100 employees.

We aim to ensure a safe environment in which each employee can work with a healthy body and mind.

Promoting occupational health and safety

Toshiba Medical Systems Group considers safety to be a primary responsibility of management. Giving the utmost priority to life, safety, and compliance with laws and ordinances in all business activities, Toshiba Medical Systems Group promotes a safe, comfortable work environment and places the highest value on the mental and physical health of employees.

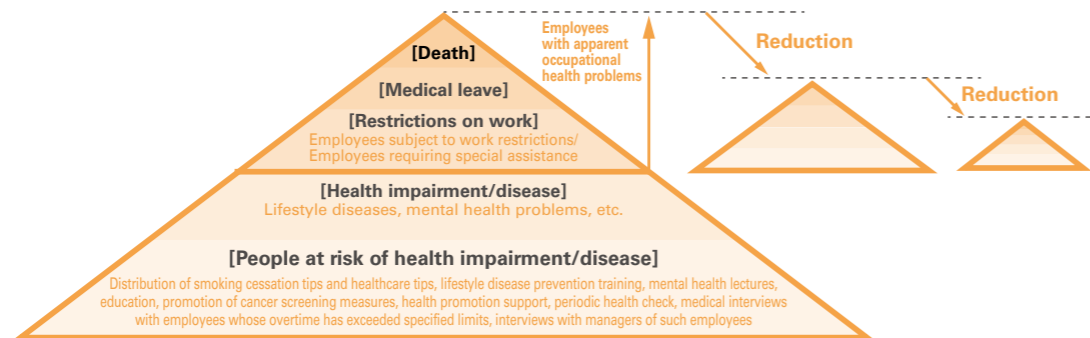
● Occupational health and safety management system

In February 2008, TMSC Headquarters obtained OHSAS 18001 certification, the international standard for occupational health and safety management systems. Based on this certification, we are promoting a variety of occupational health and safety policies.

For risk assessment, which forms the core of OHSAS 18001, all our employees perform risk identification and measures to eliminate or reduce risk factors. This activity helps to raise employee awareness of occupational safety. In FY2013, in order to create a safer work environment, we enhanced our methods for risk analysis, management, and improvement. In order to create a safer work environment, since FY2013, we have been enhancing our methods so that more precise identification, analysis, and management of risks can be performed, and appropriate measures applied.

● Health support for employees

Based on the results of annual health checks, our medical staff have been providing health support for employees. For example, for employees who are judged to require medical treatment based on certain health check criteria, we have been conducting interviews and placing restrictions on their work so that they can focus on treatment. In order to reduce health problems among employees in the medium term, we have been taking a variety of measures and providing occupational health support.



Lifestyle disease prevention training

We have been providing an annual training course on prevention of lifestyle diseases for our employees. In this course, different advice is given to different ages of employees in terms of diet etc. so that each individual can effectively work to improve their lifestyle. We provided a "Smoking cessation seminar" in 2014 as an instructional education measure aimed at reducing smoking rates.



Women's health seminar

A women's health seminar was held in cooperation with the International University of Health and Welfare Hospital (Nasushiobara, Tochigi, Japan) and focused on raising awareness of women's diseases such as uterine myoma, cervical cancer, etc. Information on diseases and appropriate treatments for each disease were presented at the seminar.



We aim to provide the safest, highest-quality products in the world through our quality management system.

Basic policy

Based on the respect for life that forms the foundation of our management principles, TMSC complies with current safety-related laws and regulations, maintaining a client-centered attitude, and aims to contribute to society by providing safe, high-quality products and services with advanced functions that satisfy our customers.

Standards of conduct

1. We engage in quality assurance from the customers' point of view.
2. We observe relevant laws and contracts and respect the rights of customers and third parties.
3. We ensure that all of our departments and all of our employees act to improve the quality of products and product-related business processes.
4. We establish, continuously improve, and maintain quality management systems that comply with global business standards.
5. We aim for essential improvement by investigating the root causes of process failures.

Quality conference with overseas subsidiaries

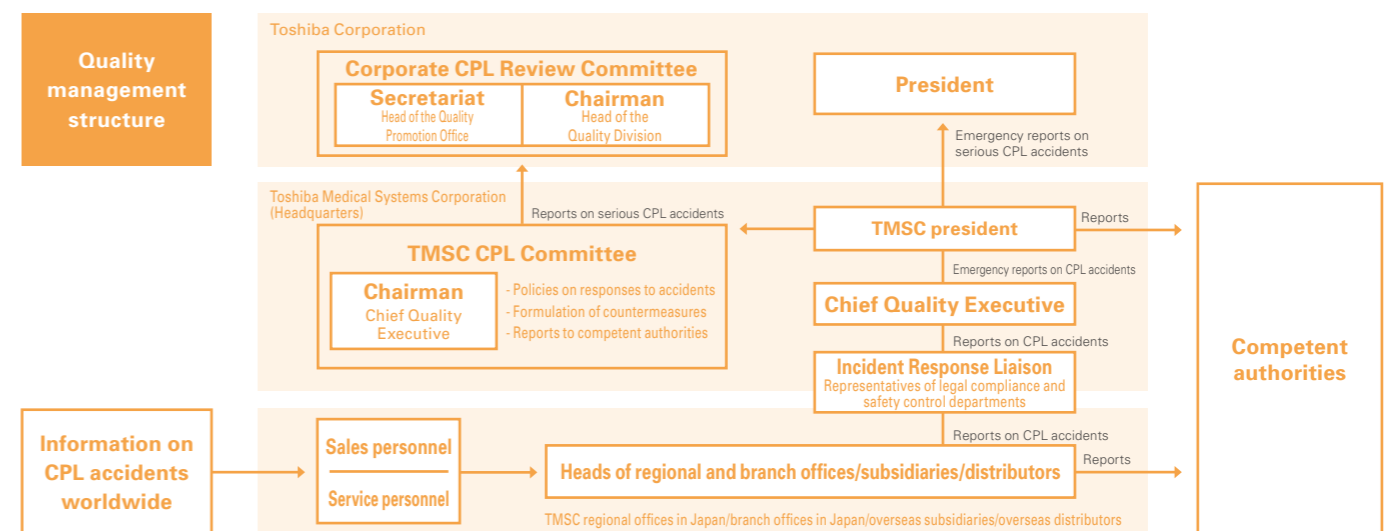
The Global Meeting was held at TMSC Headquarters on May 21 and 22, 2014, with representatives from 8 subsidiaries and 4 group companies outside Japan. At the meeting, information and issues regarding regulatory trends, quality promotion activities, and other topics related to their region were shared. Normally, most communication between the headquarters and the subsidiaries takes place via email or telephone. This meeting gave us an opportunity to communicate with each other face-to-face, facilitating numerous questions and discussions. TMSC Group will continue to work together as a team to achieve TMSC's vision.



Swift response to product safety incidents

We have established a quality management system where employees (such as sales and service representatives) who become aware of information concerning a TMSC product accident or problem, must immediately alert the quality management department and executives. Based on this information reported by employees, the CPL Committee* decides how to act upon the matter. In the event of an accident attributable to a product that is likely to recur, we immediately inform customers of the danger, promptly report to the competent authorities, and implement countermeasures as soon as possible. Information concerning a TMSC product accident and countermeasures will also be disclosed on the website of the Pharmaceuticals and Medical Devices Agency (PMDA).

* CPL Committee: CPL is an abbreviation combining CL (contractual liability) and PL (product liability). The CPL Committee, chaired by the Chief Quality Executive, promptly determines measures to deal with product accidents and quality issues.



Efficient installation for quality assurance and reduction of generated waste

We are striving to establish and improve quick and efficient installation processes while ensuring product quality for all systems to be installed. For example, for radiation therapy systems manufactured by Elekta*, which are large and contain many components, we have worked together with the Elekta factory in England to establish the installation process. In order to ensure proper installation according to planned conditions such as work period, location, and bringing-in route, preliminary work procedures that need to be completed in advance are performed at a warehouse near the installation site.

* TMSC's business partner. TMSC is the reseller for Elekta products in Japan.

- 1) Achieving reduction of generated waste
Unpacking of items shipped in wooden frames, which account more than half of total packaging, is performed at the warehouse, and all waste material is reused by the recycling company.
- 2) Quality assurance/reduced time
- Component checks are performed at the warehouse, allowing missing, incorrect, or defective items to be identified before delivery and replacement orders to be made in advance.
- After shipping to Japan, items are organized by purpose, minimizing freight volume for internal shipping.
- Optimization of the workspace at the site and improvement of work efficiency is achieved, while ensuring product quality.
- 3) Safety assurance
Unpacking and bringing-in procedures of large-scale items hinders normal operation of the hospital by interfering with the movement of medical staff and patients. Promotion of unpacking at the warehouse can improve safety during the work and ensure safety for customers.



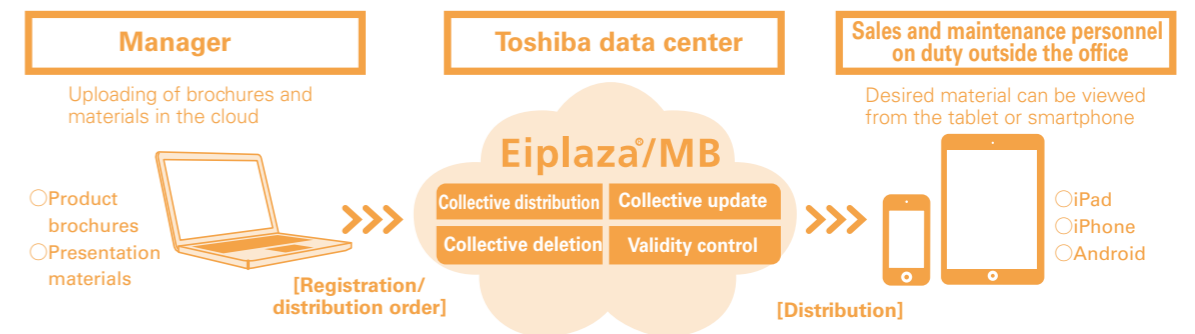
Products that were packed in conventional wooden frames are now arranged in an organized manner using a 3-level rack, and the products are shipped in place on the rack.

Desired data can be viewed at any time using the tools in the tablet

With the rapid progress in medical technology, our mission in the provision of medical equipment is to provide appropriate information and proposals while keeping up to date with the latest information and improving our expertise and planning capability. We believe this is vital for achieving the best partnerships with our customers and their patients. However, collecting information requires a lot of time and effort. It is difficult for the individual employee to provide the same value by carefully reviewing their data.

To address this issue, we have installed the sales tool "EiplazaMB*", which allows sales personnel in Japan to share the latest information at all times. Using smart devices, documents are intensively managed by the management section at headquarters on a cloud-based database. This allows retrieval of product data regarding features, specifications, performance, price, etc. immediately at the client's site using a tablet computer. Provision of the same information at the same value is possible regardless of whether the salesperson is young or more experienced.

* EiplazaMB is a trademark of Toshiba INS company.



Proposing "new" site plans incorporating 3D technology

TMSC has been using a 2D AutoCAD system to create layout drawings for the customers. We have now installed a next-generation 3D CAD system.

3D CAD is referred to as BIM*, and there is a need for rapid adoption among architectural firms and major contractors in order to participate effectively in bids (for example, for projects tendered by the Ministry of Land, Infrastructure and Transport). BIM has a variety of advantages. In particular, it is possible to provide our customers with a stereoscopic image, allowing better spatial understanding of the room and the positioning of the system, which has been difficult to convey using 2D CAD. In addition, it enables proposals for interior design that closely resemble the actual interior, and it is also an extremely efficient system for preliminary investigation for system installation.

We are striving to ensure a higher level of customer satisfaction by proposing "new" ideas utilizing BIM.

* BIM: Building Information Modeling



Left: layout drawings for X-ray TV system (ZEXIRA™) created using BIM
Right: example of interior design proposal

STAFF'S VOICE

"We don't want to make patients wait for treatment."

Kenichi Tomonaga,
TH Service Group, Field Support Department, Service Division

Because radiation therapy systems are directly related to patient treatment, the time required for installation greatly affects the treatment plan for patients. I have experienced many installations myself, so I have seen our clients being forced, while the examination room to be remodeled is occupied for the installation procedure, to manage the treatment schedule for their patients so that they can continue to receive treatments at another location where a radiation therapy system is available.

In order to allow our clients to restart operation of their therapy systems as soon as possible, it is necessary for us to optimize our knowledge and efforts so that installation time can be reduced. The customer engineers are working to make improvements, concentrating on optimization of the procedures at the site, and the factory is positively applying the ideas from the site. We will continue to promote establishment of the best installation process as a team in close relationship with Elekta.

For the benefit of people and society, we engage in a variety of activities to serve the local community.

Continuous implementation of activities such as the Pink Ribbon Campaign

We are supporting the Pink Ribbon Campaign, which promotes the importance of breast cancer screening for the early detection and treatment of breast cancer. We are implementing various activities at venues across Japan in order to increase the number of women who receive breast cancer screening, such as distribution of breast cancer screening guidebooks and exhibition of campaign vehicles.

We are also participating in annual events such as the Pink Ribbon Festival and the Pink Ribbon Smile Walk, introducing mammography examinations, and encouraging women to receive periodic breast cancer screening.

Exhibiting at the "Otawara City Industry Festival"

At the 26th Otawara City Industry Festival, we exhibited a breast cancer screening vehicle, provided an opportunity for visitors to simulate breast self-examination using artificial breasts, and demonstrated a portable diagnostic ultrasound system. About 150 people visited our booth and we were able to perform instructional activities for people in the community.



Exhibition and participation in the 34th Yoichi Festival

With the aim of promoting communication with local communities, Toshiba Medical Systems headquarters holds exhibitions and participates in various local events. More than 250 Toshiba Group employees, including company executives and non-Japanese staff members, participated in the 34th Yoichi Festival dance again this year. As a global company, we promote communication with local communities.

Periodic cleaning activities in areas around TMSC Headquarters

At TMSC Headquarters, as part of activities to serve the local community, employees have been volunteering to conduct periodic cleaning activities. At the Kyushu Regional Office, continued cleaning activities for the area around the office are implemented in cooperation with group companies.



Continued blood donation activities

In cooperation with the Tochigi Red Cross Blood Center, TMSC Headquarters has been continuing to encourage employees to donate blood, and raising awareness of bone marrow registration.

Table tennis seminar

As part of its activities to enhance communication with the local community, TMSC held the 3rd Table Tennis Seminar, inviting players of the Toshiba women's table tennis team as coaches. 170 students from local junior high schools participated. Coaching by skilled table tennis players was highly appreciated, not only by the students but also by their teachers.



Snow removal assistance for elderly householders

In cooperation with a local social welfare organization, employees at the Hokkaido regional office have been volunteering to help elderly householders who for physical or financial reasons are unable to clear snow by themselves.

Factory tour for children with cancer

A factory tour was held in cooperation with the Children's Cancer Association of Japan. As it is common for children with cancer to fear or feel uncomfortable with medical equipment, this event is aimed at providing them with an opportunity to touch and play with equipment such as CT and MR systems. Using the systems, the children scanned objects which they had brought with them. As last year, children with cancer and their families were invited to take part in the factory tour.



Our subsidiaries around the world are supporting community service activities.

Fundraising activity to support breast cancer research

Toshiba Canada, Ltd. sponsored a fundraising event, "Bright Run/Walk", which supports breast cancer research. This event supports breast cancer research conducted at the Juravinski Cancer Centre and the Escarpment Cancer Research Institute in Ontario. More than 1.5 million dollars has been raised from the community over the last five years for the Juravinski Hospital and its cancer center, funding 10 breast cancer research grants. It is estimated that about 9100 women are diagnosed annually with breast cancer in Ontario. This represents 26 percent of all cancers diagnosed in women. Toshiba Canada, Ltd. is supporting breast cancer research annually through Bright Run/Walk.



Continued forest cleanup event

Toshiba group companies in Korea held the 9th "Toshiba Green Campaign 2014" in Yangjae Citizens' Park, Seoul. The participants cleaned rivers and picked up fallen leaves. Including 54 employees from Toshiba Medical Systems Korea, 7 Toshiba group companies joined this campaign, with a total of 400 participants. Over the years, interest and participation from family members of employees has been increasing. In addition, this year's event emphasized the significance of environmental protection because it was held on the same day as Arbor Day in Korea.



Providing diagnostic imaging systems for prevention campaign

Toshiba Medical do Brazil participated in a campaign which is held annually by Hospital Santa Marcelina, Sao Paulo, for prevention and control of aortic and arterial hypertension, lending two diagnostic ultrasound systems. The number of patients attended by the hospital was so large that patients had to wait for 6 months to receive an ultrasound examination. Moreover, most patients who come to this hospital are economically disadvantaged. At the event, free-of-charge diagnosis using an ultrasound system was offered for the patients. We will continue to support the health of people in the community.



"You Plant a Tree, We Build a Forest" campaign

Toshiba Medical Systems Turkey participated in the "You Plant a Tree, We Build a Forest" campaign hosted by Middle East Technical University (METU), an iconic institution and a leader in the development and preservation of forest ecology. 1000 trees were planted during this year's event. The campaign was launched in 2013 with the aim of rehabilitating and recultivating damaged land. We will continue to actively participate in environmental protection activities in Turkey.



As one of the world's foremost eco-companies, we strive to create environmentally conscious products.

Environmental policy

Recognizing that the Earth is an irreplaceable asset, the Toshiba Medical Systems Group strives to develop and provide "environmentally conscious medical equipment and systems" in order to contribute to the community and to healthcare services. This is the responsibility and commitment of the Toshiba Medical Systems Group, which is expanding its business worldwide. Based on this philosophy, we promote environmental activities, to the extent technically and economically feasible, in accordance with the Toshiba Commitment, Toshiba Group's Basic Policy for the Environment, and the Code of Conduct of the Toshiba Medical Systems Group.

President and CEO
Toshio Takiguchi *Toshi Takiguchi*

- 1 The Toshiba Medical Systems group considers environmental stewardship to be a primary responsibility of management. The group specifies and periodically reviews its objectives and targets through assessment of the environmental aspects of its business activities, products, and services. All staff members work towards this goal in order to continuously improve the environmental management system and prevent pollution.
- 2 The Toshiba Medical Systems group complies with all laws and regulations concerning the environment, agreements on pollution prevention, and its own strict standards, taking effects on the environment and on biodiversity into consideration.
- 3 The Toshiba Medical Systems group selectively specifies the following objectives in order to reduce the environmental impact of its products and business processes.
 - (1) Developing and providing environmentally conscious products and services which contribute to reducing environmental impact throughout their life cycles.
 - (2) Reducing the environmental impact of all business processes, including design and development, manufacturing, sales and distribution, servicing, and disposal, with a focus on the prevention of global warming, efficient utilization of resources, and control of chemical substances.
 - (3) Promoting biodiversity conservation activities in cooperation with communities.
- 4 Maximizing disclosure and enhancing communication in order to facilitate mutual understanding with communities and customers.



By making global expansion of "interconnecting environmental communication" one of its objectives, Toshiba Group is promoting a variety of activities. As part of these activities, June 5th has been appointed as the Toshiba Group Environmental Action Day, which is the same date as World Environment Day. The aim is to involve all Toshiba Group employees around the world in performing environmental action, as individuals or in groups, to raise environmental awareness. TOSHIBA BATON symbolizes the network of 200,000 employees of Toshiba Group worldwide.



Environmentally conscious design is incorporated in all our products in order to promote reduction of environmental impact.

We strive to provide the industry's highest level of environmental performance in as many products as possible.

Environmentally conscious design is incorporated in all our products. In order to develop products with excellent environmental performance, Toshiba Group promotes the "Excellent ECP"* certification system. In FY2014, two of our products were additionally recognized as Excellent ECPs.

*Excellent ECP (ECP = Environmentally Conscious Products): Toshiba Group internally recognized industry-leading eco-products that achieved major environmental performance at the time of release in terms of "prevention of global warming", "effective use of resources", and "management of chemical substances".

Positive activities in various parts of the world to publicize the environmental performance of our systems

Since 2011, in order to expand use of our Excellent ECPs to as many customers as possible, helping to reduce environmental impact, we have been positively publicizing the environmental performance of our systems in major exhibitions held in many countries worldwide. In 2014, in addition to Japan, Europe, and South America, we have exhibited our systems in China and Middle Eastern countries. We are making efforts to participate in more international exhibitions in order to publicize products that deliver excellent environmental performance.

Participation in environmental activities of industrial associations

TMSC is promoting environmental activities while balancing global environment concerns and economic profitability through participation in activities of industrial associations in Japan, USA, and Europe, and the umbrella organization DITTA (International Congress of Diagnostic Imaging and Therapy Systems Trade Association).



Data courtesy of Japan Medical Imaging and Radiological Systems Industries Association (JIRA)



"We want to continuously implement review of the environmental performance of our products from every perspective."

Yasuo Nobuta,
Senior Vice President, responsible for promotion of environmental management

In recent years, because the capabilities of our systems have improved and examination times have been reduced, providing standby power has accounted for the largest proportion of system power consumption. Toshiba Medical Systems is reviewing the environmental performance of its systems from every perspective, including examination efficiency, energy efficiency, efficient use of resources, content of chemical substances, etc. so that products with better environmental performance can be made available to our customers. As a result, Excellent ECPs, which have excellent energy and resource efficiency, exceeded 50% of total sales in FY2014. We will continue to contribute to global environmental conservation through provision of products that are consciously designed to deliver excellent environmental performance.

We are working hard to reduce our environmental impact by setting targets for Toshiba Group's "Environmental Vision 2050".

Envisaging the ideal situation it intends to achieve by mid-century, Toshiba Group established its "Environmental Action Plan", and controls target values for each environmental activity item. In the Fifth Environmental Action Plan for 2011 to 2015, we have set mid-term target values. We will increase the percentage of environmentally conscious products in our total sales, and reduce CO₂ emissions in processes from product development to manufacturing and sales, working hard to ensure that the goals set for 2050 are achieved. We achieved almost all the targets set for FY2014.

Environmental Vision 2050

People leading enriched lives in harmony with the Earth – this is the ideal situation envisaged in the Toshiba Group Environmental Vision 2050. The plan considers prevention of global warming, effective use of resources, and management of chemical substances throughout the life cycle of a product ("making, using, returning, reusing"), and is aimed at achieving harmonious coexistence with the Earth.



With the aim of achieving further business growth while reducing our environmental impact, we are strengthening our system for promoting environmental activities.

System for promoting environmental activities

The Environmental Management Department, which is under direct control of the President and CEO, takes a leading role with the aim of achieving business growth while reducing our environmental impact. The role of this department is to establish intermediate environmental management policies, and to assist in product planning, development, production, sales, and service activities from the viewpoint of environmental management.

Internal control

We are conducting internal environmental audits at group companies in Japan and overseas, as well as at our facilities, regional offices, and departments, according to their ranking in "Environmental Impact Evaluation". In addition, we are active in undergoing environmental audits by external organizations and Toshiba Corporation, which provide excellent opportunities to improve the level of our environmental management. The audit results are reported to and reviewed by the environmental management officer, and are utilized to further improve the environmental management system.

Environmental training for employees

Environmental training is provided annually for managers of each department. By sharing what they have learned in training, environmental education is provided to the employees of their departments. In addition to the members of group companies, the contents of this training is also provided through e-learning to all members of affiliated companies.



Results of FY2014 for the TMSF Fifth Environmental Action Plan and major projects for FY2015 and later

	Item	Target for FY2014	Achieved value/ Evaluation	Additional information	Target for FY2015
Green of Process	Mitigation of Climate Change	Reduction of energy-originated CO ₂ emission per production unit	Reduction of 3% or more (compared to FY2010) → 12% reduction (Achieved)	Achieved by introduction of high-efficiency equipment, optimization of operational management for air conditioners, reduction of power consumption for manufacturing, etc.	Reduction of 11% (compared to FY2010)
		Reduction of logistics-originated CO ₂ emission per production unit (for logistics in Japan)	Reduction of 8% or more (compared to FY2010) → 15% reduction (Achieved)	Achieved by improving loading ratio through promotion of modal shift and increasing efficiency of truck transportation	Reduction of 11% (compared to FY2010)
Green of Process	Effective use of resources	Reduction of the amount of waste generated per production unit	Reduction of 40% or more (compared to FY2010) → 41% reduction (Achieved)	Reduction of generated waste by converting waste plastics (cushioning materials) into objects with value	Reduction of 41% (compared to FY2010)
		Reduction of the amount of final disposal	0.1% or less (rate of final disposal) → 0.01% (Achieved)	The rate of final disposal is improved by reviewing the processing method for organic sludge, allowing more to be recycled out of processed residue and reducing the final amount of landfill waste.	0.01% or less (rate of final disposal)
Management of chemical substances	Reduction of chemical substances handled per production unit	Reduction of 63% or more (compared to FY2010) → 75% reduction (Achieved)		The amount of 4,4'-Diaminodiphenylmethane used in products is eliminated	Reduction of 76% (compared to FY2010)

Evaluation standard (●): Achieved (○): Achievement rate above 80% (△): Achievement rate below 80%



	Item	Target for FY2014	Achieved value/ Evaluation	Additional information	Target for FY2015
Green of Process	Provision of environmentally friendly products	Sales of Excellent ECPs	40% or more → 51% or more (Achieved)	Excellent ECP sales as a percentage of total sales have been greatly improved by increased number of Excellent ECPs in our product lineup and increased unit sales.	51% or more
		Calculation of product eco-efficiency	70% or more → 71.3% or more (Achieved)	The process for creation of environmentally friendly products has become established. Rate has been improved by applying this process to almost all our products.	71% or more
Green Managements	Conservation of biodiversity	Creation of a biotope, research of local habitats → Research of local habitats (Achieved)		Research of local habitats, tree planting, observation of flora and fauna in cooperation with local communities	Creating biotope, observation of flora and fauna in cooperation with local communities

Evaluation standard (●): Achieved (○): Achievement rate above 80% (△): Achievement rate below 80%

We are committed to making our products No. 1 in environmental performance.

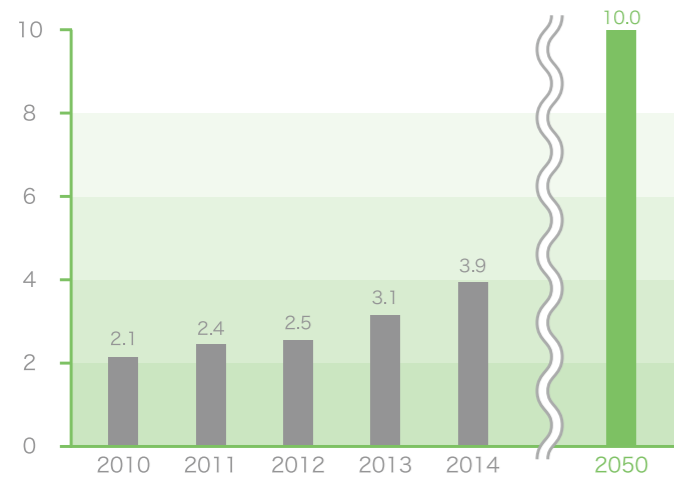
Improvement of environmental performance of our products

We are working hard to improve the environmental performance of our products with the aim of achieving 10 times the environmental efficiency of our products in 2000. This is "Factor 10"*, a target of Toshiba Group's "Environmental Vision 2050". In product development, we are continuing to make improvements aimed at achieving Factor 10.

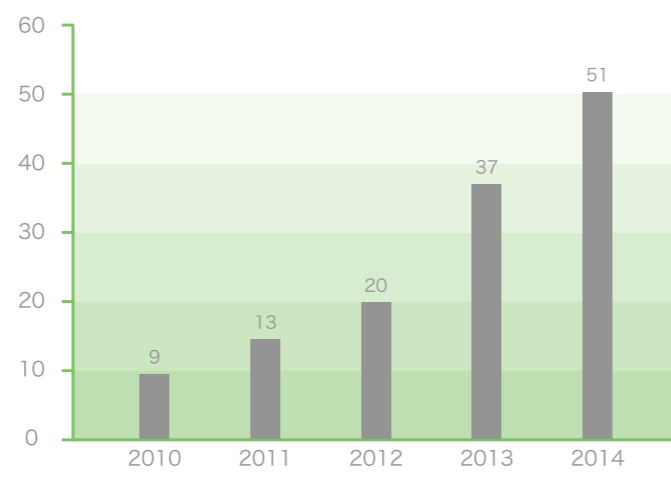
*Factor 10 is the target for the total improvement factor both of products and business activities.

Expanding development of products that are No. 1 in environmental performance (Excellent ECPs)

TMSC ensures environmentally friendly designs in the development of all our products in order to produce ECPs (environmentally conscious products). Among these, only products which can be rated as No. 1 in environmental performance are certified as Excellent ECPs. We are expanding development of Excellent ECPs with superior environmental performance by setting an index rate for sales of Excellent ECPs as a proportion of total sales. In FY2014, because of an increased number of Excellent ECPs in our product lineup, sales of Excellent ECPs have increased, and Excellent ECPs as a percentage of total sales exceeded 50%.



Average factor among all TMSC products



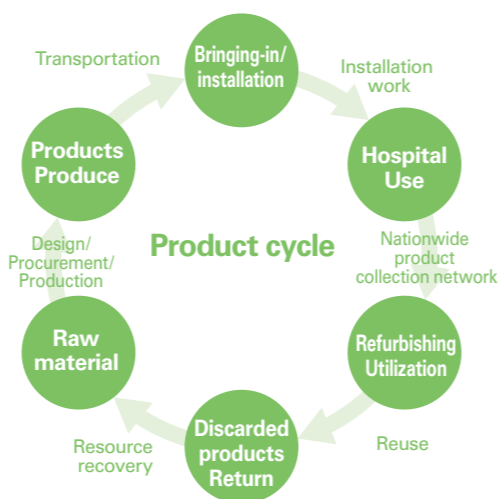
Excellent ECPs as a percentage of our total sales (%)

Environmental consideration for products

TMSC has established product development and design processes in accordance with the International Electrotechnical Commission standards for environmental product design for medical electrical equipment (IEC 60601-1-9*). Product lifecycle assessment, covering the range from product planning, development, manufacturing, and servicing, to disposal (recycling) is performed based on this process. TMSC is promoting creation of environmentally friendly products. We are also making strong efforts to develop technologies for improving the environmental performance of our products.

*International Electrotechnical Commission regulation IEC60601-1-9: An IEC regulation that specifies requirements for environmentally conscious design (issued in July 2007). The purpose of this regulation is to ensure compliance of medical devices with the environmental regulations in each country, which become stricter every year.

Outline of Product Recycling



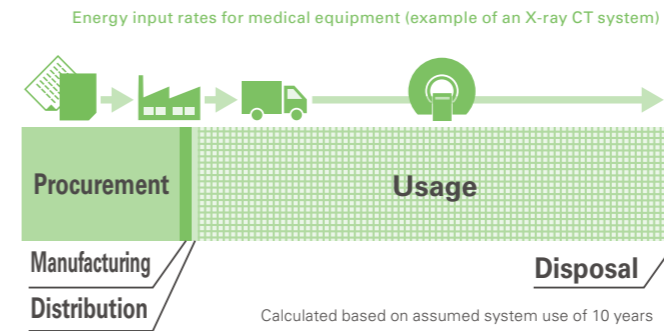
Efforts to prevent global warming

As medical systems are generally used for many years and daily operating times (including standby time) are also extensive, CO₂ emitted normally exceeds the amounts emitted by general products. By employing various energy-saving technologies, a wide range of applications to shorten examination times, and technologies for improving operability, CO₂ emission for each product is reduced while maintaining high reliability.

Promotion of effective use of resources

With the aim of achieving a recycling-oriented society, we have been promoting "3R design" by reducing the size and weight of our products, actively employing recycled parts, and increasing the use of renewable materials. We also take various measures to reduce the amount of packaging materials used for transportation of products and parts. Such measures include optimizing the packaging style according to the delivery destination, reducing the size of packaging, increasing the use of returnable containers, and shipping onward in the manufacturer's own packaging.

3R Reduce Reuse Recycle



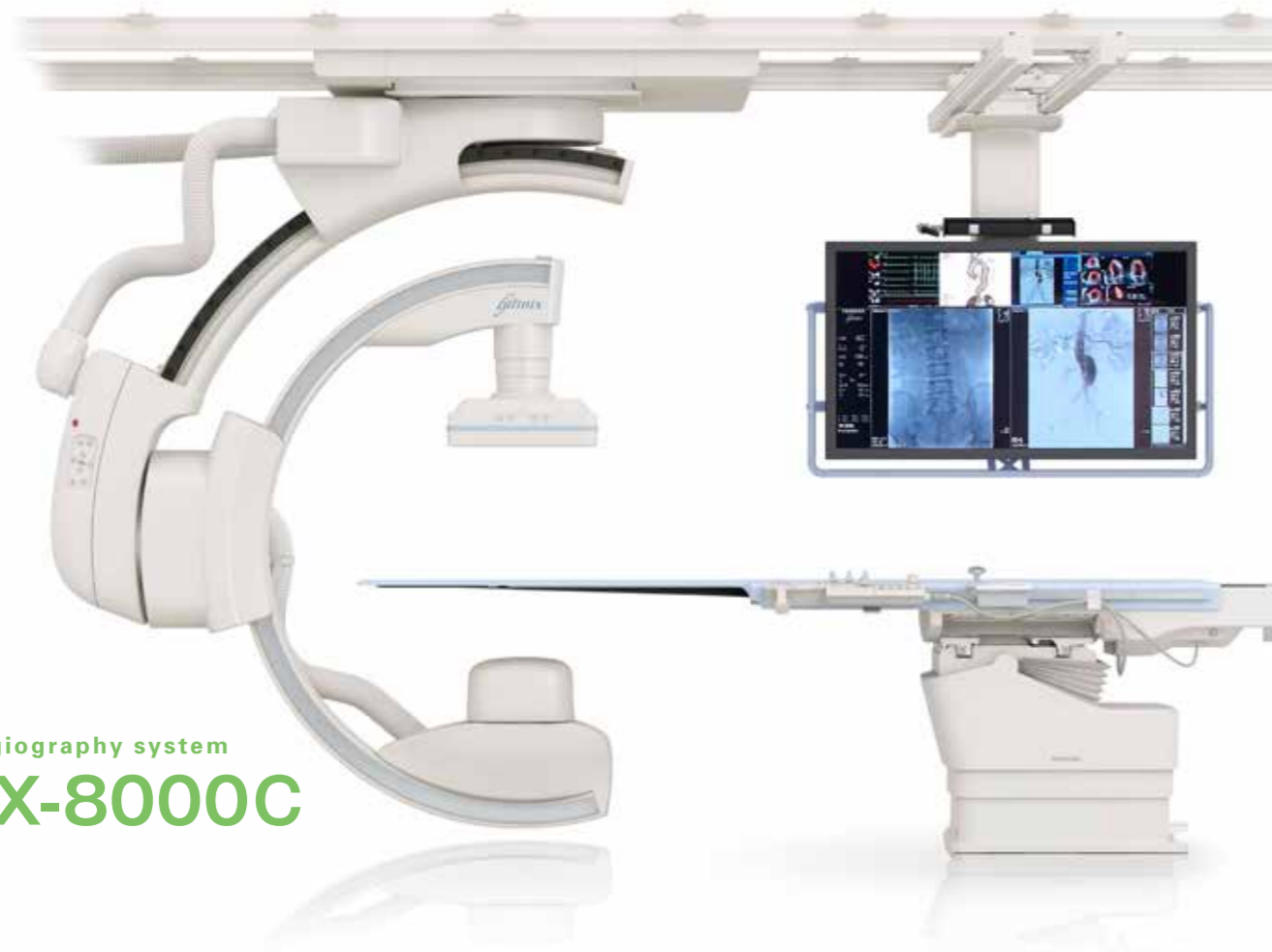
Green procurement initiatives

We have established an "environmentally controlled substances investigation system" that enables investigation and registration of substances to which the latest regulations apply. At the same time, we have revised the TMSC "Guidelines for Green Procurement", and held an orientation meeting for all of our business partners to request replacement of existing parts and materials if a lower environmental impact can be achieved (in particular, we aim to reduce content of controlled chemical substances), as well as to encourage them to work hard on development of new parts and materials. We will further improve our relationship with our business partners and strive to reduce the burden on the environment using a wide range of methods, such as enhanced control of chemical substances throughout the entire supply chain, reduction of CO₂ emissions, and promotion of resource circulation.

Efforts to manage chemical substances

In order to ensure safe and comfortable use of our products by customers, we have been reinforcing measures to reduce the use of chemical substances (or total elimination of some substances) that are suspected to cause harm to the human body or to the environment, and to control products and parts that contain such substances. When procuring parts and materials, we collect data on the chemicals and substances they contain with cooperation from our business partners. We have established a system in which this information is stored in a database. In FY2014, we completed compliance with the EU RoHS directives which came into effect in July for shipment of products for Europe.

Innovative system with excellent environmental features. Smaller installation space, lower power consumption, and reduced radiation exposure is realized while ensuring flexible examinations.



X-ray angiography system
INFX-8000C

**FY2014
Excellent
ECP product**

INFX-8000C with a double C-arm mechanism has an increased operating stroke range without changes having been made to the size of the system. High-speed image acquisition is possible by moving along two axes in synchronization. The system realizes reduction in power consumption through consideration of the examination flow. Examination time and X-ray generation times are reduced, and power consumption is reduced by 37%.

* Compared to existing model

CO₂ reuction effect **4.1t/year** in the entire product life cycle **3.2t/year** at the usage stage

Resource Saving **2% increase** in product weight **29.5% reduction** in packaging materials

Power saving **Up to 37.1 reduction** in standby power consumption

Hazardous chemical substances **18% reduction** in use of lead

Major environmentally conscious design features

Improved examination efficiency with high-speed rotation C-arm

3D image acquisition in just 3 seconds is permitted by up to 80°-per-second rotation. Examination efficiency is improved, reducing the time and effort spent on preparation. This also leads to reduced use of contrast medium.

New mechanism permits a more compact system.

The system has improved functionality such as an additional operation axis and extended stroke range, and can be installed in a room of equivalent size and using equivalent construction work to that required for the conventional system. Updating of the system can be performed more easily.

Reduced X-ray generation, saving power consumption and ensuring lower exposure dose

Low frame-rate sequential radiography and low-dose acquisition reduce the power consumption required for X-ray generation. In addition, a previously acquired CT image can be superimposed on the angiography image, allowing examinations to be performed without unnecessary additional X-ray exposure for the patient.



"Our aim is to manufacture products that incorporate sustainability."

Masayuki Muroi, General Manager of the X-ray Systems Division

With the increasing importance of environmental awareness, TMSC has been working to provide more compact designs for our products compared to our previous systems and our competitors' systems. As the products become more compact, the reduced weight, size, and number of parts used in the system, and the reduced power consumption permitted by smaller motor loads is also contributing to lower environmental impact for our products. Our new system has improved performance while retaining equivalent compactness to our previous systems. Dose reduction functions, in which Toshiba is highly competitive, not only reduce exposure dose for the patient but also lead to substantial reductions in power consumption.

In order to ensure that the system can be used optimally by the customer and have a long service life, update to the latest functions can be performed by software-based installation, which generates few waste materials, and the procedure can be performed at the customer's site. We will continue to make efforts to create environmentally conscious products.



**Outstanding mobility for flexible examinations.
Xario 100 is a compact diagnostic ultrasound system employing
an environmentally conscious design.**



**FY2014
Excellent
ECP product**

Compactness and high image quality are featured in the new Xario™ 100, which inherits the Xario series concept, "high-end systems with excellent product mobility". The system has been developed for easy operation even by less experienced physicians during examinations performed in patient rooms, consultation rooms, and treatment rooms, as well as examination rooms. All transducers for Xario 100 and some transducers for Aplio™ (our premium-class system series) can be used in common with Xario 200, which is a higher level system variant of Xario 100. This allows efficient utilization of hospital assets.

* Compared with previous Xario model

CO₂ reduction effect **340kg/year** in the entire product life cycle **39kg/year** at the usage stage

Resource Saving **49% reduction** in product weight **9% reduction** in packaging materials

Power saving **Up to 13% reduction** of standby power consumption

Major environmentally conscious design features

"Easy" Easy operation

System presets for each examination region can be restored by a single-touch operation on the easy-to-use operating panel. With a function to provide optimal image adjustment, shorter examination times are possible.

"Compact" Light and compact

Even though the system has been made lighter and more compact, medical equipment, printing devices, etc. necessary for examination can be installed, allowing easier movement of the system to patient rooms and treatment rooms.

"Optimized" Optimized power consumption

Power consumption is significantly reduced through efficient integration of electronic circuits. Further reductions in power consumption are possible with standby mode settings. In addition, the system can be recovered to normal operation mode quickly so that examinations can be restarted without delay.



"Providing user-friendly ultrasound examinations for as many hospitals as possible"

Yasuyuki Masakari, General Manager of the Ultrasound Systems Division

Xario 100 has a compact design, allowing more customers to be provided with the high image quality scanning available in higher level systems. In addition to its excellent environmental performance, environmental measures are implemented throughout the entire lifetime of the product, from shipment to disposal.

First, at the factory, optional components are installed in the system according to the individual customer's order. The system is then shipped in a returnable container, reducing the use of packing materials. Software upgrades and full service support are available so that the system can have a longer service life at the customer's site. In addition, the amount of waste generated at the time of product disposal is reduced by using materials that are easily recycled. We are implementing our business in a manner that ensures wider application of patient-friendly and environmentally-friendly ultrasound examinations.



With the aim of achieving a recycling-oriented society, we are promoting environmentally friendly refurbished systems around the world.



Refurbished CT system operated as a mobile system. (TMSE)



Thorough inspection of parts in the system to be refurbished. (TAMS)



(TAMS)

Activities implemented by Toshiba Medical Systems Corporation (TMSC)

At TMSC, in addition to selling refurbished systems, reusable parts are collected and refurbished for use as spare parts. In this way, we are able to offer parts that would otherwise be no longer available, allowing longer use of the system at the customer's site. Also by promotion of recycling, the amount of industrial waste can be minimized.

Activities implemented by Toshiba Medical Systems Europe (TMSE)

TMSE is selling systems which have been refurbished according to Good Refurbishment Practice, standards specified by the European Coordination Committee of the Radiological, Electromedical and Healthcare IT Industry (COCIR). TMSE's refurbishment program holds ISO13485:2003 certification. This was obtained after performing over 160 steps in a quality process within TMSC. For these refurbished systems, referred to as "second life systems", the software is updated to the latest version before the system is ready to be shipped.



Activities implemented by Toshiba America Medical Systems (TAMS)

TAMS established a quality management center where inspections for all parts and software collected from used CT systems and MRI systems are performed. Upgraded used systems for which inspection is performed and new parts are installed by the experts at the center are refinished with a label indicating that the system is refurbished, and packed again for shipment. The same level of quality checks performed for new systems is applied to refurbished systems. Refurbished systems can be shipped only after passing these checks.



"The Aquilion Assurance program was an ideal solution."

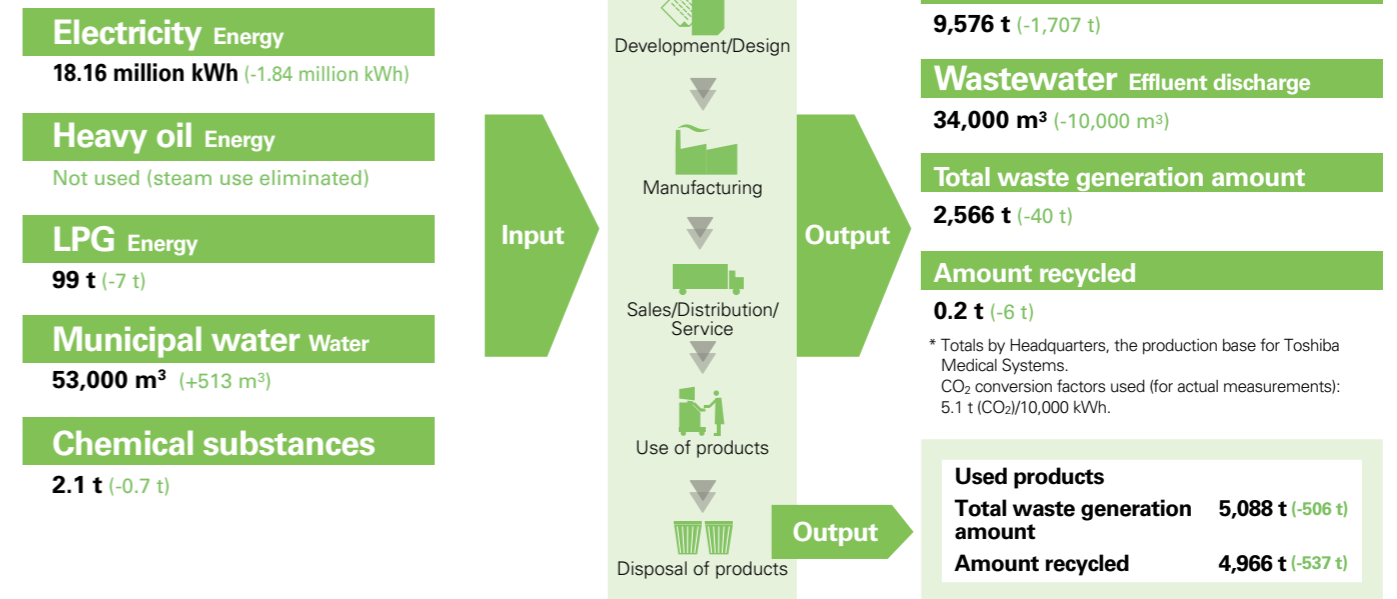
Ms. Karen Botts, Administrative Director of PinnacleHealth, Pennsylvania



We acquired four outpatient imaging centers and needed new CT systems to offer patients cardiac imaging and the latest in dose reduction technology. Given Toshiba's strength in system reliability and the best customer service we've experienced, the Aquilion™ Assurance program was an ideal solution. We selected five like-new Aquilion CT systems that are backed by a comprehensive warranty and also give us the flexibility to upgrade the systems in the future.

We are collecting data and assessing the cost of our environmental impact to serve as a guideline in our business activities.

Environmental impact flow diagram in FY2014
Values in parentheses indicate differences from FY2013 results.



We are assessing the costs and benefits of our environmental protection activities to serve as a guideline in our business activities.

Environmental accounting report

Environmental protection costs		(unit: million yen)	
Classification	Contents	Business investment expenditure	Environmental conservation costs
Costs for area within TMSC Headquarters	Pollution control, energy conservation, waste control	377	437
Upstream/downstream costs	Green procurement, transportation, packaging	0	143
Administration costs	Environmental education, environmental conservation labor costs	0	166
Research and development costs	Development of environmentally conscious products, etc.	0	2,268
Social activity costs	Global environmental support etc.	0	0
Environmental remediation support costs	Environmental remediation etc.	0	0
		Total: 377	3,104

Benefits of promoting environmental activities		(unit: million yen)	
Classification		Reduction of environmental impact	Benefits converted into a monetary amount
Actual benefits	Energy	27 (TJ)	-43
	Waste	56 (t)	-2
	Water	2,380 (m³)	-1
Assumed benefits	Reduced amount of chemical substance discharge	1 (t)	44
Customer benefits	Reduction of CO ₂ emissions at the usage stage	30,908 (MWh)	556
Risk prevention benefits			0
		Total: 554	

• For actual benefits and assumed benefits, the amount of reduction in environmental impact is the difference between FY2013 and FY2014.

With the aim of achieving a sustainable society, we are endeavoring to create a business environment that promotes harmonious coexistence with local habitats.

Toshiba Group Biodiversity Guidelines

In order to conserve biodiversity and promote the sustainable use of biological resources that constitute biodiversity, Toshiba Group will implement the following measures:

- Basic policies**
- Analysis of the impact of our business activities on biodiversity
 - Reduction of the impact on biodiversity and the sustainable use of resources through our business operations
 - Enhancement of an organizational framework to promote these measures

Establishment of ecosystem network

Human activity in locations such as factories and residences can isolate local habitats and have a serious impact on the environment. In order to address these issues, we are transforming green spaces and creating a biotope for local flora and fauna with the aim of establishing an ecosystem network with the woods and rivers in the surrounding area.



Creation of butterfly network with the factory at the center.

Survey of flora and fauna

The numbers of butterflies, *Cynbidium goeringii*, and *Liparis kumokiri*, which we specify as index organisms, and which we have been monitoring since 2013, have been steadily increasing. By the end of FY2014, 57 species of butterflies had been observed. This accounts for approximately 44% of the number of butterfly species found in Tochigi prefecture.

Transformation of green space in the grounds of TMSC Headquarters

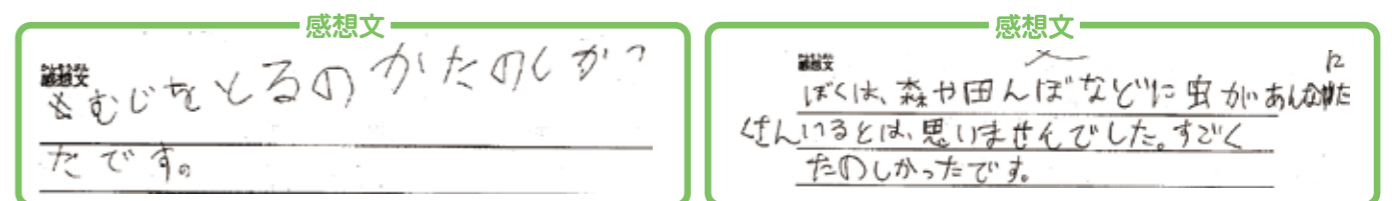
In May 2014, under the concept of "greening the grounds in harmony with the natural landscape for enjoyment in all seasons", green spaces at TMSC Headquarters were transformed into an area serving as a biotope for local wildlife. It has become a place for employees to relax and enjoy natural scenery.



Part of the planting operation was supported through the volunteer efforts of employees and their families. This year (as last year), two goshawks (a near-endangered species) hatched and fledged safely in a tree at TMSC Headquarters.

Observation of local flora and fauna

In August 2014, the 2nd observation of local flora and fauna was carried out in the grounds of TMSC Headquarters and the surrounding area. Employees and their families, as well as students from a local elementary school, participated in this event. Observation of rare species such as diving beetles gave participants the opportunity to appreciate nature. Letters of thanks were received from the children who participated in the event.



Letters from children



Fauna and flora observed in the area around TMSC Headquarters. From left: *Argynome ruslana* (endangered species), *Cynbidium goeringii*, *Liparis kumokiri*



Japanese fire belly newt (*Cynops pyrrhogaster*) found at the side of rice fields (wetland) near TMSC Headquarters. This species is listed in category II of the Tochigi Red List

For the benefit of local society, all our employees are involved in a variety of environmental activities in cooperation with local communities.



Refurbished ultrasound systems were exhibited at ESC 2014.

Earth-friendly high-quality refurbished systems were introduced at a dedicated booth at the European Society of Cardiology Congress (ESC) 2014 held in Barcelona. In Europe, where environmental awareness is high, we set up an environment booth at major scientific meetings, such as the European Congress of Radiology (ECR) and ESC, to highlight the environmental features of our systems and our environmental activities.

Model for our Eco Rail containers

We are promoting use of environmentally friendly rail transportation. In 2009, 31-ft containers were introduced. These can carry a freight load equivalent to that for a 10-ton truck, with one-quarter of the CO₂ emissions. In response to interest from model railway fans, our bright blue 31-ft container model is now available as a scale model.

Lecture on reduction of industrial waste

In December 2014, TMSC participated in a lecture on reduction of industrial waste which was hosted by the waste disposal measures section of the Tochigi prefectural government. TMSC delivered a lecture on our efforts to reduce the amount of waste generated, which we are promoting by raising awareness from the earliest stages of development of the waste processing performed at the product disposal stage.

Delivering a lecture at the Rational Use of Electricity seminar

In January 2015, TMSC participated in the Rational Use of Electricity seminar, which was hosted by the Kanto Area Electricity Use Reduction Committee (sponsored by the Kanto Bureau of Economy, Trade and Industry). TMSC presented a lecture on examples for visualization of power consumption and its application to the manufacturing process, and company-wide energy conservation efforts that cross boundaries between divisions and departments.

Visit to TMSC Headquarters to learn about promotion of biodiversity conservation

In November, members of the Tochigi prefectural government, the environmental division of the Institution of Professional Engineers, Japan, and the Tochigi Environmental Counselors Association visited TMSC Headquarters to learn about our efforts to promote biodiversity conservation, transformation of green spaces, etc. We are one of the first organizations in Tochigi to have started these kinds of activities.

Municipal waste processing plant tour

In "3R Promotion Month" (October), with the aim of raising awareness of the need for 3R (reduce, reuse, recycle) in our homes and offices, we visited the municipal waste processing plant, Clean Center Otawara to gain an understanding of how much household waste is generated in our daily life, and issues related to recycling. Participants learned the necessity and importance of waste separation.

Factory tour for local elementary school students

Students from a neighboring elementary school were invited to the factory to see our environmental facilities and manufacturing lines. During the factory tour, students listened to explanations by our staff, and were particularly interested to hear that waste is separated into more detailed categories than household waste. They also heard about the water treatment method at our wastewater treatment plant and management of sludge generated during water treatment. We later received letters of thanks for the factory tour.

Group cleaning for "Environment Day"

In June 2014, we carried out group cleaning for the 21st year. This is one of the local ecological activities that have been continuously performed by nine companies in the industrial complex in which our headquarters is located.

