



**Environmental
Performance Review
2015**

Aiming for a higher level of growth by achieving our goals of becoming a global leading green company and fulfilling Environmental Vision 2021.



Masaki Sakuyama, President & CEO
Mitsubishi Electric Corporation

Leveraging a wide range of products, we're contributing to solutions for environmental issues such as climate change

In the Mitsubishi Electric Group, we are practicing environmental management with the intention of becoming a global leading green company. However, simply setting a goal means nothing. To receive proper recognition from society, we must maintain our commitment to delivering products and services that simultaneously contribute to ensuring secure, safe, and comfortable lifestyles and a sustainable global environment.

Specifically, climate change is a major threat to maintaining a sustainable global environment. As a countermeasure, countries around the world are introducing initiatives to realize a low-carbon society that produces minimal greenhouse gases. Suppressing the use of electricity consumption is one of the most effective measures to achieve this.

While continuing to meet societal needs for secure, safe, and comfortable lifestyles, we are developing and introducing products and solutions that offer high energy-saving performance. From the generation of electricity to its transmission and application, Mitsubishi Electric manufactures a wide variety of products and possesses technologies that optimize systems utilizing them. Therefore, we are confident that we can provide effective energy-saving solutions in all aspects of society and contribute to the realization of a sustainable global environment.

We believe that conducting business activities as part of our efforts to become a global leading green company will lead the Group to achieving its growth targets of ¥5 trillion yen or more in consolidated sales and 8% or more in operating margins by Fiscal 2021.

Driving forward the 8th Environmental Plan in line with the three pillars of Environmental Vision 2021

Environmental Vision 2021 is the corporate vision introduced to achieve environmental targets by the year that Mitsubishi Electric celebrates the 100th anniversary of its foundation. The main initiatives are based on three pillars: namely, a low-carbon society, a recycling-based society, and respecting biodiversity. In line with these three pillars, Mitsubishi Electric's 8th Environmental Plan (Fiscal 2016–2018) began in April 2015. It is characterized by the following points:

We are reducing the amount of CO₂ emitted when products are used by developing highly energy-efficient products as part of efforts toward realizing a low-carbon society. In particular, we are promoting improvements in the efficiency of motors, which account for nearly half of the electricity consumed in society. We are also expanding the use of silicon carbide (SiC) in power semiconductors, which are used for control devices in motor drives, as SiC has been proven to have extremely low power loss. As for reducing the amount of CO₂ emitted during production, in line with global trends to realize higher efficiency, we have introduced objective management to reduce greenhouse gases by simultaneously controlling the CO₂ generated from energy sources and other greenhouse gases.

To realize a recycling-based society, Mitsubishi Electric is developing recycling businesses utilizing its unique technologies, such as recycling the plastics used in electrical appliances for the home and the recovery of a rare metal from air-conditioning compressors. We are also promoting the cyclic use of production wastes.

Regarding respecting biodiversity, consideration is required during daily business activities. Therefore, in addition to encouraging everyone at our Group sites to improve their awareness, each site is developing communications with local communities and stakeholders in order to preserve local ecosystems.

Strengthening our environmental response at the global level

In order to achieve the growth targets set for fiscal 2021, production at our overseas bases is expected to expand. Accordingly, the 8th Environmental Plan addresses strengthening environmental response at the global level as a common issue for the Mitsubishi Electric Group as a whole.

It goes without saying that preventing environmental accidents is the responsibility of the company, and advanced environmental risk management is required in every region throughout the world. In addition to establishing an environmental management system, it is important to ensure that the company can react appropriately to any accident and minimize damage, and periodically test the response system to ensure that it is operational.

In addition, the reduction of environmental load generated at the time of production should be pursued at the global level. A high level of Mitsubishi Electric expertise developed in Japan is expected to be vital for this. Depending on the region, we may set voluntary standards that are more stringent than local environmental laws in order to keep our performance under control.

Trees bear dense foliage only if they have solid roots and trunks with outreaching branches. Similarly, improving corporate performance and growth should follow steady environmental management activities. We are targeting a higher level of growth as we reduce environmental load and contribute to building a sustainable society.

June 29, 2015

M. Sakuyama

Formulating an Environmental Plan to Realize Environmental Vision 2021 – A shared goal for the entire Group to achieve

The Mitsubishi Electric Group prepares an Environmental Plan every three years for the purpose of realizing Environmental Vision 2021, doing so while judging the importance of issues for the Group and society. The 8th Environmental Plan (fiscal 2016 – 2018) began in FY2016. This plan is shared with all group employees as we strive to achieve its targets across our businesses.

Four Pillars and Points of the 8th Environmental Plan (Fiscal 2016–2018)

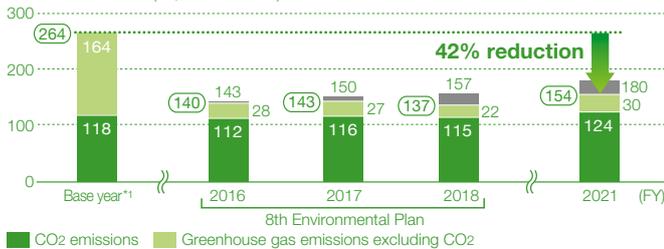
1. Creating a Low-carbon Society

■ Reducing CO₂ from production

The two objectives of reducing CO₂ from energy sources and reducing non-CO₂ greenhouse gases (SF₆, HFCs, and PFCs) have been combined and activities are being promoted on this basis.

Plan for Reducing CO₂ from Production

Total CO₂ emissions (10,000 tons-CO₂)



*1 Base year is as shown below.

	Mitsubishi Electric	Affiliates in Japan	Overseas affiliates
CO ₂ emissions	Fiscal 1991	Fiscal 2001	Fiscal 2006
Greenhouse gas emissions excluding CO ₂	Fiscal 2001		Fiscal 2006

■ Reducing CO₂ from product usage

Plan for Reducing CO₂ from Product Usage through Improved Energy Efficiency

35% reduction in FY2018 compared to FY2001

Amount of Contribution to Reducing CO₂ Emissions During Product Usage

78 million tons in FY2015 ▶ 92 million tons in FY2018

3. Creating a Society in Tune with Nature

■ Fostering environmental awareness

Our aim is for a cumulative total of more than 30,000 participants in Mitsubishi Electric Outdoor Classrooms and the Satoyama Woodland Preservation Project.

■ Preserving biodiversity at business sites

At all of our business sites in Japan, we promote preserving endemic species unique to the region. We also foster a better understanding between employees and local communities.

2. Creating a Recycling-based Society

■ Towards our goal of zero final waste disposal at our business sites

Mitsubishi Electric	Affiliates in Japan	Overseas Affiliates
Less than 0.1%	Less than 0.1%	Less than 0.5%

■ Reducing resource inputs

Plan for Reducing Use of Resources

40% reduction in FY2018 compared to FY2001

■ Visualization of resource recycling business

We are visualizing a business scale that leads to improving resource efficiency, including product recycling and the renovation and maintenance of facilities. Cooperation will be enhanced by sharing case examples and technological information throughout the Group, and environment-related business will be expanded.

4. Strengthening Our Environmental Management Foundation

■ Compliance with environmental regulations

To ensure compliance with RoHS chemical substance regulations in Europe, we are stepping up efforts to develop alternative technologies.

■ Improving the level of environmental management at production bases

Regarding environmental risk and initiatives at manufacturing bases in Japan and overseas, an original index was formulated for the five fields of air pollution control, water and soil pollution control, chemical substance management, greenhouse gas reduction, and waste management in order to evaluate and improve our level of management.

Details of progress made towards achieving the 8th Environmental Plan can be seen on our website.
<http://www.MitsubishiElectric.com/company/environment/policy/plan/eighth/>

Aiming to Become a Global Leading Green Company through Environmental Vision 2021



Mitsubishi Electric is aiming to be a global leading green company that contributes to the creation of a more affluent society. We will continue to put Eco Changes into practice as a way of changing our own actions and changing society to be more eco-conscious.

Global Environmental Management Promotion System

The Mitsubishi Electric Group operates an environment management system (EMS) and holds Executive Officers' Meetings that are chaired by the President of Mitsubishi Electric when deciding environmental management for the overall Group. The Executive Officer in Charge of the Environment is responsible for promoting EMS and is supported by the General Manager of the Corporate Environmental Sustainability Business Group. Each business site and affiliate nominates its own person in charge of promoting

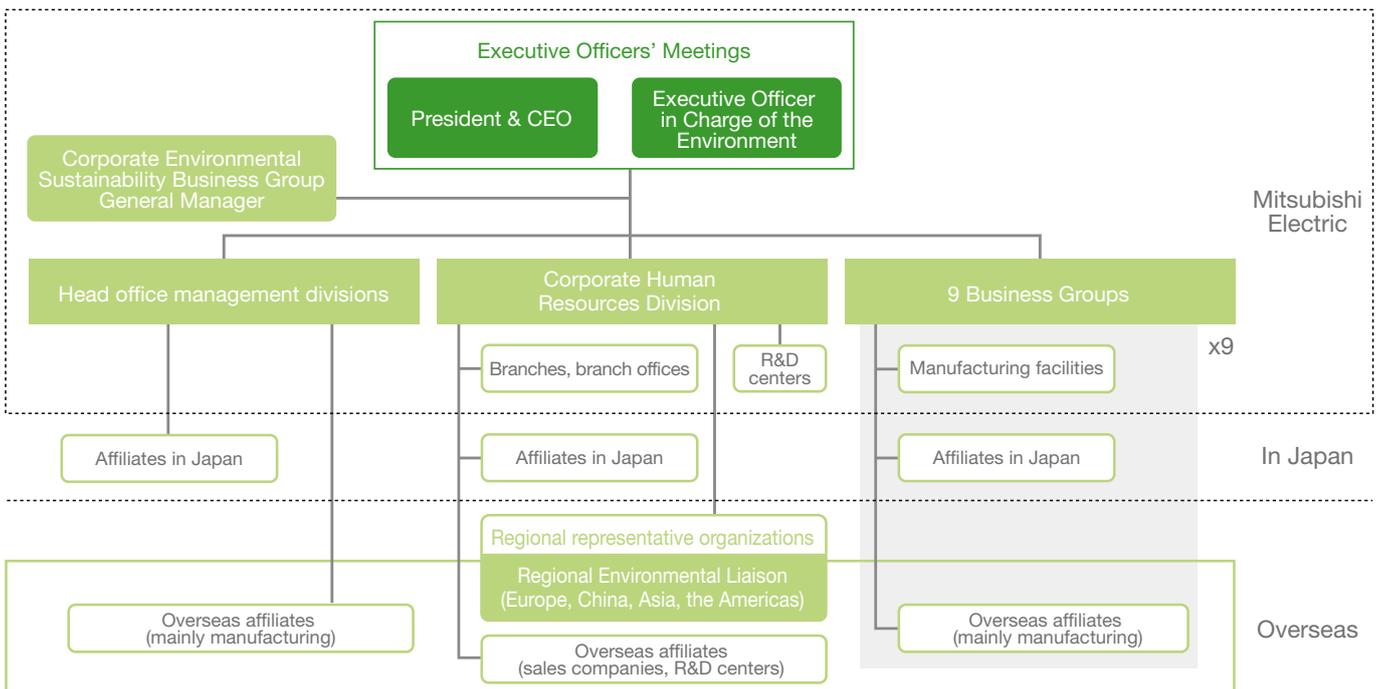
environmental activities.

Each organization shares goals as common objectives to be achieved and sets its individual targets accordingly. Head office management divisions, Corporate Human Resources, and business groups direct the environmental activities of the organizations under their respective jurisdictions. Overseas, we have Regional Environmental Liaisons supporting the environmental activities of affiliate companies in the regional representative organizations.

Mitsubishi Electric positions environmental management as an essential component of corporate governance. The scope of our environmental governance extends throughout the Company and our major affiliates.

Major affiliates

- Consolidated companies: Companies with 50% or more of shares owned by Mitsubishi Electric (voting rights ratio), and companies that Mitsubishi Electric has management hegemony over.
- Non-consolidated companies: Companies judged to require integrated environmental management by Mitsubishi Electric.
- 191 companies overall, including 112 in Japan and 79 overseas.



Initiatives by Each Business Group towards Solving Environmental Issues

The Mitsubishi Electric Group utilizes its experience in dealing with a wide-range of businesses to engage in initiatives aimed at solving environmental issues such as climate change.

Public Utility Systems Group

Providing a Wide Range of Key Products for Social Infrastructure

The Public Utility Systems Group supplies products for social infrastructure to support government agencies, and road- and railway-related companies. In recent years, we have focused on building next-generation infrastructure by providing solutions that optimize rolling stock energy on the whole, and engaging in businesses related to smart communities and energy-saving water treatment processes.

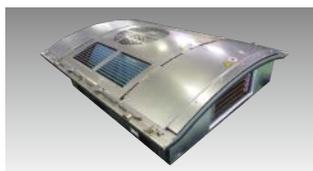
Three small-lot production sites in Japan manufacture products made in response to customer needs. Furthermore, by improving facilities, testing, distribution, and other factors at affiliates in Japan and overseas, we are promoting energy savings, thoroughly managing harmful substances used in painting equipment, and endeavoring to prevent soil and water pollution.

Main products and technologies

- Rolling stock total energy and environment solutions
- Air-conditioning systems for rolling stock ■ Automatic platform gates
- Ozone generators ■ Water treatment systems ■ Aurora Vision



Inverter for rolling stock



Air-conditioning system for rolling stock

Energy & Industrial Systems Group

Delivering Equipment and Systems that Support Stable Electricity Supply

The Energy & Industrial Systems Group supplies products and systems for energy—including power generation, electricity transformation, transmission, and distribution—to electric power utilities and companies in general. Manufacturing is mainly carried out at two small-lot production sites and one small-lot/mass-production site at affiliate companies in Japan and overseas. In recent years, we have been focused on reducing the environmental impact of overseas affiliates, and under the guidance of the mother factory in Japan, are working to reduce the atmospheric emission of SF₆ gas, which has a high global warming potential, and strengthen the management of chemical substances.

Main products and technologies

- Turbine generators ■ Switchgear ■ Transformers
- Smart meter systems ■ Plant monitoring control systems



High-efficiency turbine generator



High-efficiency transformer



Staff Commentary

Offering Railway Station Auxiliary Power System Utilizing Regenerative Energy

Takashi Katsumata
Transportation System Dept.
Transportation Transformer System Technology Section
Kobe Works

In the rail industry, the technologies which utilize the regenerative energy created by a railcar's kinetic energy for other railcars are becoming more popular. However, there are cases where this cannot be achieved effectively depending on a train's operational status. For this reason, Mitsubishi Electric developed a compact system which supplies regenerative power for use in the air conditioning, lighting, elevators, and so on of railway stations. Moving forward, we are considering the use of this system overseas.



Staff Commentary

Development of a Monitoring Control System That Saves Resources and Space, and Achieves Low Power Consumption

Fumitaka Ito
Generation Control & Monitoring System Design Section
Energy Plant & Systems Department
Energy System Center

Following a 13-year span, Mitsubishi Electric has developed an eco-conscious, compact monitoring control system for thermal power stations that features improved functions and performance compared to conventional systems. It has input/output modules and other equipment that adopt a framework which can reuse some existing components when the system is renewed to the latest version. This saves resources, which is a significant feature.

The website contains detailed information, including a list of the environmental issues focused on by each of the business groups, messages from group general managers, and the initiatives toward environmental contribution and environmental load reduction through products and technologies.

<http://www.MitsubishiElectric.com/company/environment/business/>

Building Systems Group

Delivering Safe, Secure, and Convenient Products and Solutions that Enhance the Value and Functions of Entire Buildings

The Mitsubishi Electric Building Systems Group provides not only elevators and escalators, but also building management systems such as access control, building management, and surveillance cameras, to public and private building owners in over 90 countries. By providing products that constantly secure safe and secure infrastructure essential to society, as well as comfortable transportation and living spaces, we are contributing to the realization of a society with more vitality and comfort.

To this end, we provide a full range of support that spans from initial sale to maintenance services and renewal, as well as new solutions that further enhance the value and functions of entire buildings.

Main products and technologies

- Elevators ■ Escalators ■ Room access control systems
- Building management systems ■ Surveillance cameras



Standardized elevator for the Japanese market



Building management system



Staff Commentary

Proposing Elevator Renewal Based on an Energy-saving Concept

Kohei Fukui
Domestic Sales Section, Sales Department
Inazawa Works

Mitsubishi Electric proposes a renewal service based on an energy-saving concept that aims to continue using as many existing components as possible, thus reducing cost and shortening the duration of the renewal work. While naturally achieving safety, security, and convenience, we are also contributing to the reduction of CO₂ emissions by cutting energy consumption as much as 60%.

Electronic Systems Group

Safeguarding People's Lives and Contributing to Space Research and Cutting-edge Technologies

The Electronic Systems Group manufactures communications and broadcast satellites, earth observation satellites, ground control systems required for satellites and satellite operations, and large telescope facilities such as the Subaru Telescope. We also supply electronics equipment such as the contact image sensors used in copiers and modules for the millimeter-wave radar used in vehicle safety systems. The production of these products is primarily carried out at two sites in Japan. In this way, we are contributing to the realization of a safe and secure lifestyle for citizens.

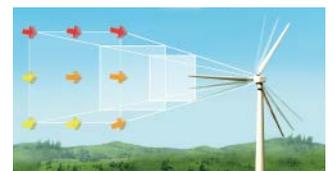
At our production sites, in addition to efforts to reduce CO₂ from production, we are engaged in preserving biodiversity, local area cleanup activities, and visiting local elementary and junior high schools for the purpose of educating children about coursework prior to entering a company, and about environmental issues.

Main products and technologies

- Communications, broadcast, and observation satellites
- Satellite operation systems ■ Large telescopes ■ Doppler Lidars
- Contact image sensors ■ Millimeter-wave radar modules
- Mobile mapping systems



Himawari-8 and Himawari-9 meteorological satellites



Doppler Lidar for wind farms



Staff Commentary

Development of Himawari-8 to Improve Meteorological Observation Accuracy

Makoto Shibusawa
Civil and Commercial Space Department

Himawari-8 went into full operation on July 7, 2015 and is Japan's first geostationary meteorological satellite to obtain color images. Color images make it easier to distinguish between clouds and yellow sand, which was difficult with monochrome images. Moreover, image resolution has been doubled and observation time has been reduced to one-third compared with the conventional model, thus significantly improving observation accuracy.

Communication Systems Group

Providing Communications Equipment and Services Contributing to the Advancement of Today's Information Society

The Communication Systems Group supplies communications infrastructure equipment utilizing optical communication and wireless communication technologies, as well as surveillance camera systems that utilize image monitoring technologies, to customers worldwide, including telecommunications carriers, financial institutions, logistics companies, and government agencies.

In order to deliver satisfaction to our customers around the world, we built an efficient yet flexible production system and cutting-edge development facilities at two domestic production sites. Moreover, our group engages in initiatives to reduce CO₂ emissions and organic solvent usage from production, and environmental management including the supply chain.

Main products and technologies

- Customer network terminating units for optical access systems
- Gateway equipment



Customer network terminating unit



Gateway equipment

Product Highlights

Communication Gateway Unit Achieving Visualization of Energy

Mitsubishi Electric has developed and launched a communication gateway device as an information collection module for energy management systems. The communication gateway device contributes to energy savings in various situations such as in homes, offices, and factories by controlling various devices via a network and visualizing energy consumption. In consideration of the fact that the functions of energy management systems are expanding year by year, we have developed a platform that allows the addition of controllable devices and new services, thereby providing systems with the flexibility to enable function expansion.

Living Environment & Digital Media Equipment Group

Providing a Broad Range of Products and Services with a Focus on "Smart Quality"

The Living Environment & Digital Media Equipment Group is globally expanding its businesses for air conditioning and ventilation, hot-water supply, photovoltaic power generation, lighting, cooking appliances, home appliances, and visual systems by providing products and services that contribute to the environment across a broad scope, including homes, offices, and factories.

At our five domestic production sites and affiliate companies in China, Southeast Asia, Europe, and Central America, we are promoting energy savings by introducing energy-saving products and improving productivity, strengthening the management of chemical substances across the entire supply chain, and ensuring the proper management of waste, exhaust, and wastewater.

Main products and technologies

- Room air conditioners ■ Retail store, office, and building air conditioners
- LED lighting ■ Photovoltaic systems ■ Heat-pump hot-water supply systems



Package air conditioners for retail stores and offices



LED lighting

Product Highlights

Kirigamine Z Series Wins ECCJ Chairman's Award Two Consecutive Years

Mitsubishi Electric has developed a device driven by a high-voltage, high-power compressor and an air conditioner that realizes energy savings and excellent heating performance even at temperatures below freezing. Moreover, we have improved comfort by installing a sensor on indoor units that detects the temperature in all directions and a mechanism that blows air a maximum of 180° from the vane. In recognition of the above performance features, the Kirigamine Z Series was presented the ECCJ Chairman's Award two consecutive years.



Factory Automation Systems Group

Helping Customers in the Manufacturing Industry to Enhance Their Competitiveness

Mitsubishi Electric's Factory Automation Systems Group provides a wide range of products and solutions in the field of industrial mechatronics. In recent years, there has been a growing demand from customers for total solutions that simultaneously improve productivity and realize greater energy savings. However, there is also a growing demand for inexpensive products, which leads to market polarization. In response to this issue, our group is proposing automation solutions and accelerating the expansion of the sensor business, while also promoting an expanded range of low-priced products and strengthening the global business system.

Moreover, purchasing and production overseas is expanding with a focus on developing countries. Additionally, we are strengthening chemical substance management in material purchasing and environment risk management of substances such as wastewater discharge and atmospheric emissions from factories.

Main products and technologies

- MELSEC programmable controllers
- EcoMonitor energy measurement modules ■ Energy-saving motors
- Intelligent assembly robots ■ e&eco-F@ctory FA energy solutions



Programmable controllers



Energy measurement modules

Product Highlights

MELFA F Series for Automation of Highly Complex Factory Tasks

Mitsubishi Electric has focused efforts on using robots to automate tasks that are difficult—or considered to require human perception—such as assembly, processing, and inspection. The MELFA F Series achieves advanced tasks by increasing robot intelligence with a visual function based on two- and three-dimensional vision sensors, a tactile function achieved by combining a force sensor with our servo technology, and a coordination function for simultaneous control of multiple robots among other features.



Automotive Equipment Group

Strengthening Our Global Development, Production, and Sales Systems

The Automotive Equipment Group provides vehicle electric components and car multimedia devices globally. As a full-support supplier, we work together with customers to develop cutting-edge technologies and endeavor to provide a wide range of services, from production, sales, and supply to spare parts and rebuilds.

In regards to initiatives to reduce environmental load, our three development sites in Japan function as mother factories and manage 14 production sites overseas. In addition to ensuring compliance with Design for the Environment guidelines that take into consideration both recyclability and the environment laws and regulations in each country and region, we are working to prevent air, water, and soil pollution.

Main products and technologies

- Alternators ■ Starters ■ Electric power steering ■ Engine control units
- Car navigation systems



GXi alternator*

* GXi alternator acquired Europe's ECO Innovation Technology certification in February 2015.



Audio navigation system

Product Highlights

Automotive Electrical Components Rebuilding Business for Efficient Utilization of Resources

Mitsubishi Electric is promoting the rebuilding of automotive electrical components such as alternators and starters. Rebuilt products are disassembled after use and their deteriorated portions are repaired to restore original functions before being reused (recycled).



Semiconductor & Device Group

Delivering Key Devices to Support Our Information Society on a Global Scale

The Semiconductor & Device Group provides products including energy-efficient power devices, high-frequency devices, optical devices, and TFT LCD modules that support our information-based society.

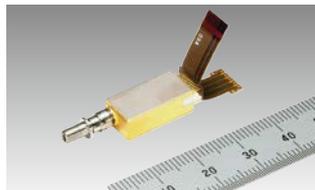
As a large amount of energy is consumed using clean rooms, etc. at our factories and affiliates in Japan and overseas, where our products are developed and manufactured, we focus on saving energy in manufacturing processes by introducing measures such as utilizing more efficient air-conditioning systems. Additionally, to prevent further depletion and deterioration of water resources, we are recycling and reusing pure water, and striving to ensure the proper management of products containing chemical substances.

Main products and technologies

- Power devices
- High-frequency devices
- Optical devices
- TFT LCD modules



Full-SiC power module



4-wavelength integrated optical transmission module

Product Highlights

A New Facility to Accelerate Development of Technologies/Products and CO₂ Reduction

It is necessary that we make steady progress in improving the performance of power semiconductors, which greatly contribute to reducing CO₂ emission during product usage. The Semiconductor & Device Group, which handles the production of these products, built a new design technology building in March of 2014 to integrate the separately located divisions of sales, development, and design technology all into one building. The interdivisional cooperation achieved by this integration will enable us to accelerate the development of new technologies and products, reducing CO₂ emission and other forms of environmental impact.



Information Systems & Network Service Group

Delivering Optimal IT Services and Solutions to a Broad Range of Customers

The Information Systems & Network Service Group is a one-stop provider of optimal solutions and IT services for a broad range of areas including social, public, and corporate systems. We cover the entire lifecycle of information systems and network systems, from the planning and concept stage to operation and maintenance. Mitsubishi Electric and three affiliated companies manage the operations of the Group.

Main products and technologies

- Cloud services
- Security solutions
- ERP solutions
- Document management solutions
- CTI



Data center

Product Highlights

Aiming for the Realization of Smart Communities

Thanks to continuing advancements in IT, our way of life is becoming “smarter.” For example, people can now use their smartphones to operate the air conditioning in their homes from a remote location. Moreover, we have entered an age where not only computers, but also home electrical appliances may be connected to the Internet. Power can even be produced in the home, and energy management systems (EMS)—systems for optimizing energy use—are gaining popularity. Mitsubishi Electric will help to realize smart communities that optimize energy use in apartment complexes, in office buildings, and throughout entire cities.

Performance Data

Period: April 1, 2014 - March 31, 2015

Scope of Data Compilation: Mitsubishi Electric Corporation, 112 affiliates in Japan, and 79 overseas affiliates (total of 192 companies)

* Up to fiscal 2009, the scope of our report was limited to those companies that had drawn up an environmental plan for governance from an environmental conservation perspective. However, under the policy of expanding global environmental management, we have broadened the scope of the report to cover Mitsubishi Electric, its consolidated subsidiaries, and its affiliated companies.

Material Balance

IN

OUT



Factory

Materials for Manufacturing

	Mitsubishi Electric	Affiliates (Japan)	Affiliates (Overseas)
Materials*1	390,000 tons	90,000 tons	320,000 tons

Manufacturing

	Mitsubishi Electric	Affiliates (Japan)	Affiliates (Overseas)
Electricity	105 million kWh	330 million kWh	350 million kWh
Natural gas	24,730,000 m ³	2,290,000 m ³	10,330,000 m ³
LPG	1,724 tons	2,121 tons	606 tons
Oil (crude oil equivalent)	3,527 kl	2,685 kl	1,616 kl
Water	7,700,000 m ³	1,600,000 m ³	1,920,000 m ³
Public water	1,310,000 m ³	440,000 m ³	640,000 m ³
Industrial water	2,450,000 m ³	240,000 m ³	1,080,000 m ³
Groundwater	3,940,000 m ³	920,000 m ³	20,000 m ³
Others	0 m ³	0 m ³	180,000 m ³
Reuse of water	3,280,000 m ³	1,330,000 m ³	160,000 m ³
Controlled chemical substances (amounts handled)	6,107 tons	1,996 tons	5,339 tons
Ozone depleting substances (amounts handled)	2.8 tons	155 tons	1,088 tons
Greenhouse gases (amounts handled)	3,255 tons	45 tons	3,808 tons
Volatile organic compounds (amounts handled)	1,468 tons	1,469 tons	245 tons

*1 Materials: Total value for shipping weight of "Design for the Environment" (DfE) products, plus amount of product packaging materials used, plus total amount of waste.

Emissions (from Manufacturing)

	Mitsubishi Electric	Affiliates (Japan)	Affiliates (Overseas)
Water	6,780,000 m ³	1,200,000 m ³	1,370,000 m ³
Controlled chemical substances	9.6 tons	0.0 tons	34.0 tons
BOD (biological oxygen demand)	76.5 tons	7.8 tons	24.6 tons
COD (chemical oxygen demand)	7.4 tons	4.3 tons	42.8 tons
Nitrogen	43.7 tons	13.0 tons	6.0 tons
Phosphorus	2.5 tons	0.2 tons	0.7 tons
Suspended solids	63 tons	3.2 tons	26.5 tons
n-hexane extracts (mineral)	1 tons	0.2 tons	0.0 tons
n-hexane extracts (active)	2.3 tons	0.2 tons	0.0 tons
Total emissions of zinc	0.2 tons	0.0 tons	0.1 tons
Carbon dioxide (CO ₂)	513,000 tons-CO ₂	162,000 tons-CO ₂	284,000 tons-CO ₂
Controlled chemical substances (excluding amounts contained in other waste)	418.6 tons	198.0 tons	234.0 tons
Ozone depleting substances	0.0 ODP tons	0.0 ODP tons	0.9 ODP tons
Greenhouse gases	75,000 tons-CO ₂	43,000 tons-CO ₂	148,000 tons-CO ₂
Volatile organic compounds	515.8 tons	333.5 tons	26.4 tons
Sulfur oxide (SO _x)	0.4 tons	0.4 tons	5.0 tons
Nitrogen oxide (NO _x)	11.0 tons	3.4 tons	23.0 tons
Fly ash	0.6 tons	0.8 tons	8.0 tons
Amount of CFCs recovered	3.6 tons	237.1 tons	—

Waste

	Mitsubishi Electric	Affiliates (Japan)	Affiliates (Overseas)
Total waste emissions	90,043 tons	64,152 tons	69,673 tons
Amount recycled	80,726 tons	52,452 tons	65,818 tons
Waste treatment subcontracted out	20,638 tons	54,583 tons	66,485 tons
Final disposal	1 tons	48 tons	606 tons
In-house weight reduction	921 tons	0 tons	736 tons

Products

	Mitsubishi Electric	Affiliates (Japan)	Affiliates (Overseas)
Weight of all "DfE" Products sold*2	248,000 tons	13,000 tons	116,000 tons
Weight of packaging materials	53,000 tons	8,000 tons	131,000 tons

*2 Products sold: Shipping weight of "Design for the Environment" (DfE) products.



Logistics

Sales and Logistics*3

	Mitsubishi Electric	Affiliates (Japan)	Affiliates (Overseas)
Fuel for trucks (gasoline)	10,377 kl	1,539 kl	12 kl
Fuel for trucks (diesel)	27,412 kl	4,997 kl	17,717 kl
Fuel for rail (electricity)	1,832 MWh	411 MWh	0 MWh
Fuel for marine transport (bunker oil)	303 kl	0 kl	73,251 kl
Fuel for air transport (jet fuel)	703 kl	43 kl	33,726 kl

*3 Sales and logistics: Figures for overseas affiliated companies include transportation between countries.

Emissions*4

	Mitsubishi Electric	Affiliates (Japan)	Affiliates (Overseas)
Carbon dioxide (CO ₂)	98,000 tons-CO ₂	17,000 tons-CO ₂	343,000 tons-CO ₂

*4 Emissions: Includes one sales company in Japan. Figures for overseas affiliated companies include transportation between countries.



Products (Customer)

Energy Consumption

	Mitsubishi Electric	Affiliates (Japan)	Affiliates (Overseas)
Energy consumed during product use*5	38,200 million kWh	4,500 million kWh	23,400 million kWh

*5 Energy consumed during product use: Total energy consumed (estimated value) when using 90 finished products targeted for CO₂ reduction. The length of use (operating time) is set for each product according to statutory useful life, designed service life, statistical values, etc.

Emissions

	Mitsubishi Electric	Affiliates (Japan)	Affiliates (Overseas)
Amount of CO ₂ emitted during product use (converted value)*6	19,470,000 tons-CO ₂	2,250,000 tons-CO ₂	13,920,000 tons-CO ₂
Amount of SF ₆ emitted during product use (corresponding value)*7	104,000 tons-CO ₂	—	—

*6 Amount of CO₂ emitted during product use (converted value): Sum of CO₂ emitted when using 90 finished products targeted for CO₂ reduction.

The amount of CO₂ emitted is equal to the energy consumed multiplied by the CO₂ emissions coefficient, for which the value shown in CO₂ Emissions from Fuel Combustion Highlights (2013 Edition) is used.

*7 Amount of SF₆ emitted during product use (corresponding value): Sum of SF₆ gas naturally leaked during the operation of products (6) that use SF₆ gas for insulation. Leakage rate used is the value from JEAC5001-2000. Global warming potential value used is from the 2nd Revised Guidelines of the IPCC.



Recycling

End-of-life Products*8

	Mitsubishi Electric
Air conditioners	13,762 tons
Televisions	4,058 tons
Refrigerators	22,768 tons
Washing machines / Clothes dryers	7,645 tons
Personal computers	83 tons

*8 End-of-Life Products: Weight of products recovered from four types of appliances subject to Japan's Home Appliance Recycling Law, plus personal computers.

Resources Recovered*9

	Mitsubishi Electric
Metals	28,236 tons
Glass	1,366 tons
CFCs	300 tons
Others	12,426 tons

*9 Resources recovered: Weight of resources recovered from four types of appliances subject to Japan's Home Appliance Recycling Law, plus personal computers.

Performance Data

Reducing Greenhouse Gas Emissions

The Mitsubishi Electric Group refers to regulations such as the Greenhouse Gas (GHG) Protocol—international standards relating to greenhouse gas emissions in the value chain (concerning all business activities)—and basic guidelines published by Japan's Ministry of the Environment for determining how to assess and calculate emissions from business activities and indirect emissions from outside the range of its business activities.

Owing to the fact that over 80% of CO₂ emissions in the value chain are associated with the use of sold products, the Mitsubishi Electric Group focuses on developing highly energy-efficient products that are linked to reducing CO₂ emissions during product usage. At the same time, we strive to continuously reduce CO₂ emissions, as well as the emission of other greenhouse gases with global warming potential, at the production phase.

Fiscal 2015 Greenhouse Gas Emissions

□ Accounting (10,000 tons-CO₂) ■ Total emission ratio

Scope	Category	Accounting	Accounting summary ¹
Scope 1	All direct GHG emissions	40 0.9%	Direct emissions from using fuel and industrial processes at our company ²
Scope 2	Indirect GHG emissions from consumption of purchased electricity, heat, or steam	84 1.9%	Indirect emissions associated with using electricity and heat purchased by our company ³
Scope 3 All indirect emissions not covered in Scope 2	Scope 1 Purchased goods and services	567 12.9%	Emissions associated with activities until material, etc. is manufactured concerning raw ingredients, parts, purchased products, and sales ⁴
	Scope 2 Capital goods	59 1.3%	Emissions produced from constructing/manufacturing own capital goods
	Scope 3 Fuel- and energy-related activities	8 0.2%	Emissions associated with procurement of fuels from other parties and fuel necessary for generation of electricity, heat, etc.
	Scope 4 Upstream transportation and distribution	46 1.0%	Emissions associated with logistic processes for material, etc. to be delivered to our company concerning raw ingredients, parts, purchased products, and sales ⁵
	Scope 5 Waste generated in operations	0.05 0%	Emissions associated with transporting and processing waste produced by our company ⁶
	Scope 6 Business travel	4 0.1%	Emissions associated with employee business travel ⁷
	Scope 7 Employee commuting	3 0.1%	Emissions associated with employees commuting to and from their respective workplaces
	Scope 8 Upstream leased assets	-	Emissions associated with operation of leased assets hired by our company (excluded if calculated in Scopes 1 and 2) ⁸
	Scope 9 Downstream transportation and distribution	-	Emissions associated with the transportation, storage, cargo handling, and retail of products ⁹
	Scope 10 Processing of sold products	-	Emissions associated with the processing of interim products by business operators ⁹
	Scope 11 Use of sold products	3,574 81.5%	Emissions associated with the use of products by users (consumers / business operators)
	Scope 12 End-of-life treatment of sold products	3 0.1%	Emissions associated with the transportation and processing of products for disposal by users (consumers / business operators) ⁴
	Scope 13 Downstream leased assets	-	Emissions associated with operation of leased assets ¹⁰
	Scope 14 Franchises	(n/a)	Emissions at companies participating in the franchise
	Scope 15 Investments	-	Emissions related to investments ⁹
Total		4,388 100%	

¹ Excerpt from the fundamental guidelines published by the Ministry of Environment and Ministry of Economy, Trade and Industry ² CO₂, SF₆, PFC, and HFC emissions from use of gas, heavy oil, etc., and product manufacturing ³ CO₂ emissions from use of electricity, etc. ⁴ Excludes some regions ⁵ CO₂ emissions from product distribution/circulation (sales distribution) Subject to accounting: 84 companies (production sites) ⁶ CO₂ emissions from transportation of waste (waste distribution) Subject to accounting: Mitsubishi Electric ⁷ Achievements in Japan ⁸ Office rentals, etc. are included in Scopes 1 and 2 ⁹ Currently considering calculation ¹⁰ Leased assets of Mitsubishi Electric products, such as air conditioner systems, are included in Category 11

■ Reducing CO₂ from Product Usage

Focusing on specific products for which the Mitsubishi Electric Group can take the initiative regarding design and development, and products considered to be important for reducing CO₂ emissions during the use thereof, we have established a reduction target—an average reduction ratio of 27% for 84 products compared to fiscal 2001 as per the 7th Environmental Plan—and are raising the efficiency of products according to that target.

In fiscal 2015, for the 107 products targeted (90 finished products and 17 interim products*), the average reduction ratio was 33%, making this the third consecutive year after fiscal 2013 and fiscal 2014 that we have achieved our target.

* Mitsubishi Electric's products installed in customers' products

Plan for Reducing CO₂ from Product Usage through Improving Energy Efficiency



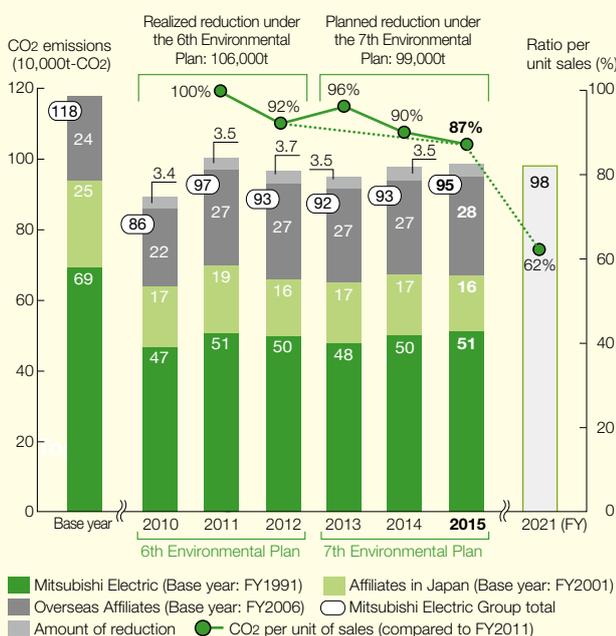
■ Expanding Our Contributions to Reducing CO₂ from Product Usage

Our contribution to reducing CO₂ from product usage is the amount of CO₂ reduced as a result of switching from older products (those equivalent to products sold in fiscal 2001) to new, energy-efficient products. In fiscal 2015, the combined domestic and overseas reductions were 30,860,000t for 95 finished products and 47,500,000t for 29 interim products. For calculation, if an industry-specific or public standard product usage calculation method exists, that calculating method is applied. If there is no method for calculating product usage specified, we establish our own usage scenario and calculate the level of contribution to reducing CO₂. As for interim products, based on the Scope 3 guidelines of the GHG Protocol, we calculate emissions by proportionally dividing product weight and sales volume ratio.

■ Reducing CO₂ from Production

The Mitsubishi Electric Group manages its goal for reducing CO₂ emissions using a sales unit ratio index from the 7th Environmental Plan (fiscal 2013-2015). To reach our goal of improving the CO₂ emissions per unit of sales to 83% compared to fiscal 2011 by fiscal 2015, we reduced waste from production lines and promoted the use and operation of highly efficient facilities equipment such as air conditioning and lighting systems. We also promoted reduction activities through demand management by introducing monitoring systems. Additionally, we continually expanded the introduction of photovoltaic generation systems. As a result, in fiscal 2015, CO₂ emissions were 950,000t compared to our target of 970,000t. However, against the sales unit ratio index of 83%, 87% was achieved. This is mainly due to increased production domestically and overseas, leading to an increase in CO₂ emissions, thereby preventing us from achieving the planned reduction target.

Plan to Reduce CO₂ from Production across the Mitsubishi Electric Group

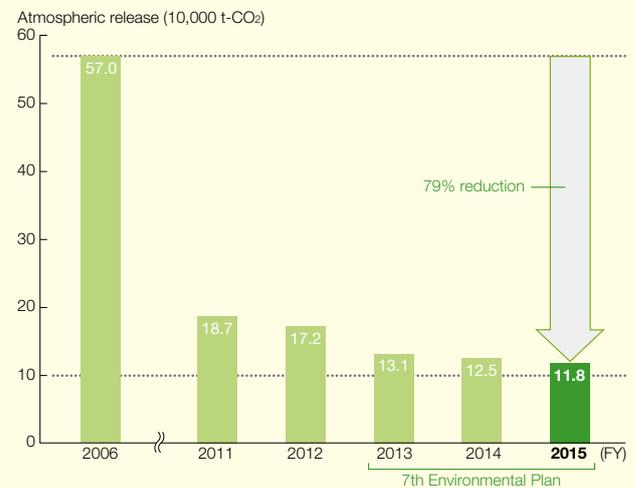


■ Reducing Emissions of Non-CO₂ Greenhouse Gases

Non-CO₂ greenhouse gases emitted by the Mitsubishi Electric Group during business activities include sulfur hexafluoride (SF₆) used in insulated switchgear, perfluorocarbons (PFCs) used in the production of semiconductors and liquid-crystal components, and hydrofluorocarbons (HFCs) used as refrigerants in air conditioners and refrigerators.

One of the goals of the 7th Environmental Plan was for Mitsubishi Electric and affiliates in Japan to reduce the use of greenhouse gases by 70% compared to the levels used in fiscal 2006. After this target was achieved in fiscal 2012, we have continued to promote our reduction measures, achieving a reduction of 79% in fiscal 2015.

Reduction in Non-CO₂ Greenhouse Gas Emissions (SF₆, PFCs, HFCs) [Mitsubishi Electric and affiliates in Japan]



Reducing the Use of Resources

Regarding the reduction of resources used, for the final fiscal year of the 7th Environmental Plan (fiscal 2015), our target was to achieve a 39% average reduction rate for 64 products. This target was successfully achieved. The improvement in the reduction rate from fiscal 2014 is primarily due to selling more products that use fewer resources in the industrial mechatronics, information and communication systems, and electronic devices categories.

Plan for Reducing Use of Resources

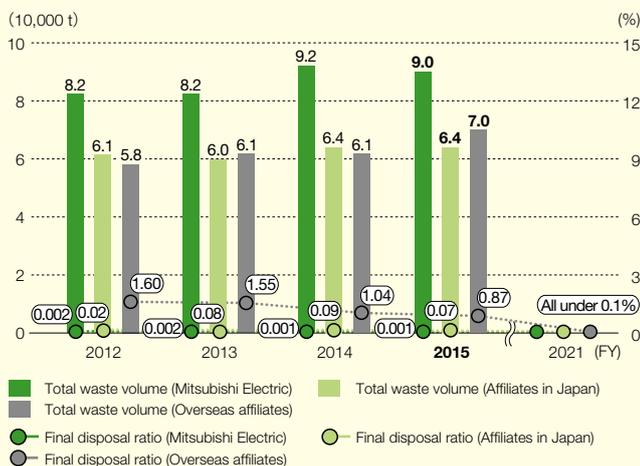


Initiatives toward Zero Final Waste Disposal Ratio

Mitsubishi Electric and its affiliates in Japan are working to thoroughly analyze and separate waste generated so as to achieve the target of zero final waste disposal. In fiscal 2015, we maintained the final waste disposal target of less than 0.1% through initiatives such as improving the efficiency of waste transportation and converting waste to materials with commercial value.

For overseas affiliates with high levels of final disposal, we established a target of less than 1.0%. As a result of analyzing and separating waste at these affiliates, promoting the mitigation of waste generation, and sourcing recycling contractors, the target was achieved with a final disposal ratio of 0.87%.

Total Waste Output and Final Disposal Ratio



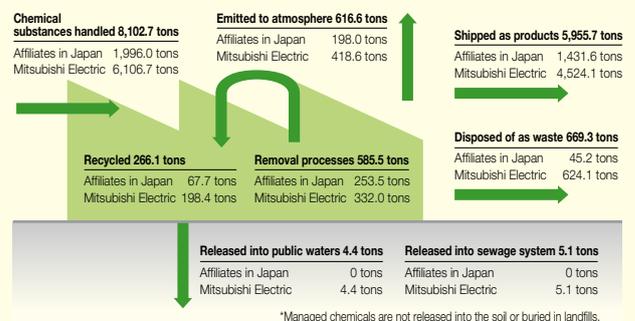
Managing Chemical Substances

Mitsubishi Electric and affiliates in Japan utilize a Chemical Substance Management System that incorporates procurement data for materials and parts to comprehensively manage 3,181 substances. The list includes refrigerant fluorocarbons used in air conditioners and refrigerators, volatile organic compounds (VOCs), the six RoHS substances, and the 462 substances designated under revisions to a chemical substances management law*1 (PRTR*2 law) in Japan.

In fiscal 2015, Mitsubishi Electric used 6,107 tons of 143 different chemical substances and affiliates in Japan used 1,996 tons of 42 different substances.

*1 Act on Confirmation, etc., of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof. *2 PRTR: Pollutant Release and Transfer Register.

Material Balance of Chemical Substances Subject to Regulation



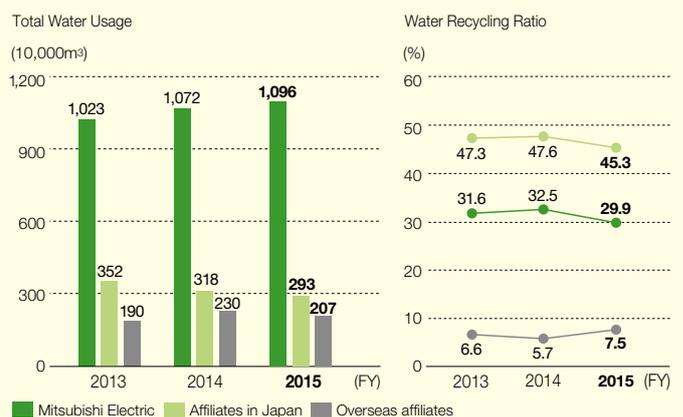
Effective Water Usage

The Mitsubishi Electric Group views public water, industrial water, groundwater, and other sources of water as a valuable resource. We work to assess our water usage at all sites and to conserve and recycle this resource.

In fiscal 2015, water use increased at Mitsubishi Electric compared to the previous fiscal year, but decreased at affiliates in Japan and overseas.

Meanwhile, recycled water use decreased at Mitsubishi Electric and affiliates in Japan compared to the previous fiscal year, and increased at overseas affiliates.

Total Water Usage and Water Recycling Ratio



Environmental Accounting

Period: April 1, 2014 - March 31, 2015
 Scope of Data Compilation: Mitsubishi Electric Corporation, 112 affiliates in Japan and 79 overseas affiliates (total of 192 companies)

Environmental Conservation Costs

□ Mitsubishi Electric Group ■ Mitsubishi Electric (100 million yen)

Item	Capital Investment	Costs*	Year-on-Year Change	Main Costs
Business area activities	42.5	107.9	(2.0)	
	26.7	70.0	1.0	
Pollution prevention	5.1	27.2	1.0	Maintenance of wastewater treatment facilities / exhaust treatment facilities (eliminating VOCs, PFCs, smoke, etc.)
	2.7	18.7	0.3	
Global environmental conservation	36.9	47.5	(2.9)	Upgrading air conditioners, introducing LED lighting, upgrading transformers and boilers, incorporating inverter technologies into power generators, upgrading/enhancing the performance of SF ₆ gas recovery devices
	24.0	33.2	1.1	
Resource recycling	0.5	33.2	(0.1)	Consigning PCB-related processing, recycling valuable resources, wood-chip recycling processes, maintenance and management of pure water / wastewater recovery treatment
	0.0	18.0	(0.4)	
Upstream and downstream from production	0.8	5.6	0.9	Quality valuation in accordance with RoHS regulations, establishing returnable rack system, consignment fees for recycling packaging containers
	0.8	4.2	1.3	
Management activities	0.1	31.2	1.5	ISO 14001 review (certification acquisition, maintenance, upgrades), participation in environment-related exhibitions, publishing of report on eco-conscious initiatives, collecting environmental data, operation of product content chemical substance management system
	0.0	24.6	1.9	
R&D activities	1.4	36.6	(2.8)	Development of high-efficiency devices, energy-saving regulation compliant residential air conditioners and recycled plastic molding technologies, downsizing of products, development of power distribution systems for offshore wind power generation and refrigerants
	1.4	35.5	(3.4)	
Community activities	0.0	0.3	(0.0)	Satoyama woodland preservation activities, river / local region clean-up, Mitsubishi Electric Outdoor Classroom, greening of offices and peripheral areas
	0.0	0.2	(0.0)	
Environmental damage	0.0	1.8	0.5	Measures for oil-contaminated soil on old factory sites, groundwater measurement/treatment facilities
	0.0	1.8	0.5	
Consolidated total	44.9	183.5	(2.0)	
Non-consolidated total	29.0	136.2	1.2	

* Includes depreciation of capital investment over the past five years.

Environmental Conservation Benefits (Environmental Performance)

Item	Unit	Fiscal 2015	Year-on-Year Change	Year-on-Year Per Net Sales
Total energy used	10,000 GJ	1,919	4	84%
		1,157	(31)	85%
Total water used	10,000 m ³	1,122	58	89%
		770	41	93%
Total greenhouse gas emissions	10,000 tons-CO ₂	124	5	87%
		58	0	82%
CO ₂ (energy consumption)	10,000 tons-CO ₂	95	2	85%
		51	1	89%
HFCs, PFCs, SF ₆	10,000 tons-CO ₂	29	3	92%
		7	0	55%
Total releases and transfers of chemical substances into the atmosphere	Tons	876	(10)	83%
		516	(25)	84%
Total wastewater discharged	10,000 m ³	936	13	85%
		678	14	90%
Total releases and transfers of chemical substances into the water and soil	Tons	44	(6)	74%
		10	2	111%
Total waste discharged	Tons	223,868	29,611	97%
		90,043	7,851	96%
Final disposal	Tons	654	(291)	58%
		1	(1)	38%

Economic Benefits from Environmental Conservation Activities (Actual Benefits)

Item	Amount	Year-on-Year Change	Main Benefits
Earnings	37.8	7.4	Sold the valuable materials resulting from recycling of scrap metal, etc.
	18.9	4.1	
Savings	30.3	0.2	Reduced electricity costs as a result of energy-saving air conditioning and lighting facilities and introducing solar photovoltaic generation systems, reduced use of production and packaging materials, etc. by replacing them with returnable alternatives
	14.6	(0.6)	
Total	68.1	7.6	
	33.6	3.6	

Economic Benefits from Environmental Consideration in Products and Services (Estimated Benefits)

Item	Amount	Main Benefits
Economic benefits to customers ^{*1}	9,605	Reduced electricity costs owing to lower energy consumption of 90 finished products that are targeted for reducing CO ₂ from product usage. ^{*2}
	6,351	

*1 The economic benefits to customers was recalculated on September 1, 2014.

*2 Base products for reducing energy consumption are those products sold in FY2001. The energy prices appearing in IEA Energy prices and taxes were referred to when calculating the amount of benefit.

Corporate Profile (as of March 31, 2015)

Company Name: Mitsubishi Electric Corporation

Head Office Location:

Tokyo Building, 2-7-3, Marunouchi, Chiyoda-ku, Tokyo 100-8310, Japan

Established: January 15, 1921

Paid-in Capital: ¥175,800 million

President: Masaki Sakuyama

Number of Employees:

Consolidated 129,249

Non-consolidated 32,534

Number of Affiliated Companies:

Subsidiaries 172 Affiliates 36

Business Segments:

Energy and Electric Systems, Industrial Automation Systems, Information and Communication Systems, Electronic Devices, Home Appliances, Others

Net Sales

(100 million yen)



Net Income

(100 million yen)



Mitsubishi Electric Group Environmental Information

Mitsubishi Electric's global website contains information about the Mitsubishi Electric Group's activities related to corporate social responsibility (CSR).

<http://www.MitsubishiElectric.com/company/environment/>

From the President

A message from President & CEO Masaki Sakuyama about the Mitsubishi Electric Group's environmental initiatives.

<http://www.MitsubishiElectric.com/company/environment/message/>

Basic Policy and Approach to Environmental Management

We present the entire picture of our environmental management, such as our policies and vision for becoming a global leading green company.

<http://www.MitsubishiElectric.com/company/environment/policy/>

Environmental Report 2015

A report on our environmental efforts and achievements in fiscal 2015, and an overview of the 7th Environmental Plan (fiscal 2013–2015).

<http://www.MitsubishiElectric.com/company/environment/report/>

The Environment and Business

Read about the activities and priority environmental issues of each business group, including key policies, initiatives, and the contributions that our long-term strategic products are making to the environment and society.

<http://www.MitsubishiElectric.com/company/environment/business/>

Environmental Statement: Eco Changes

Eco Changes is our environmental statement, and expresses the Group's stance on environmental management. Through a wide range of businesses for homes, offices, factories, infrastructure, and even outer space, we are helping contribute to the realization of a sustainable society.

<http://www.MitsubishiElectric.com/company/environment/policy/ecochanges/>

for a greener tomorrow



MITSUBISHI ELECTRIC CORPORATION

<http://www.MitsubishiElectric.com>

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