

# CSR Report 2012

(Social and Environmental)



Renesas Electronics Corporation

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Paper Considerations



FSC<sup>®</sup>certified Paper  
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Printing Considerations



Waterless Printing  
This report was printed using the waterless printing method, which produces less waste that contains organic compounds.



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Only environmentally friendly, zero-VOC (volatile organic compounds) 100% vegetable oil inks were used in the printing of this report.

We promote our business and CSR activities by accurately gauging changes in society and the demands of the times.



#### Editorial Policies

This CSR Report is intended for the many stakeholders of the Renesas Electronics Group, including employees, customers, members of the local communities where we conduct business, suppliers and partners, and shareholders and investors. With the objective of promoting two-way communication between the Company and these stakeholders, this report explains our approach to CSR and the environment and illustrates our specific activities in an easy-to-understand fashion.

We wrote the 2012 report paying particular attention to the following two points.

- Our Special Feature pages look at two topics: "Achieving a Smart Society" and "Naka Factory Restoration and Earthquake Lessons." The Renesas Electronics Group is putting a special effort into these initiatives, which we believe will also be of great interest to our stakeholders.
- The CSR Management, Social Report and Environmental Report sections each begin with a statement of the Group's stance so that our many stakeholders can get to know us better.

#### Guidelines Used

- Environmental Reporting Guidelines 2012 (Ministry of the Environment, Japan)
- Environmental Accounting Guidelines 2005 (Ministry of the Environment, Japan)
- Sustainability Reporting Guidelines 2006 (Third Edition) (Global Reporting Initiative)
- ISO 26000:2010 Guidance on Social Responsibility (Japanese Standards Association)

#### Reporting Scope

The report covers the Renesas Electronics Group, which consists of Renesas Electronics Corporation, 23 domestic Group companies and 35 overseas Group companies.

**In this CSR Report, we use the fiscal year, which ends on the last day of March.**

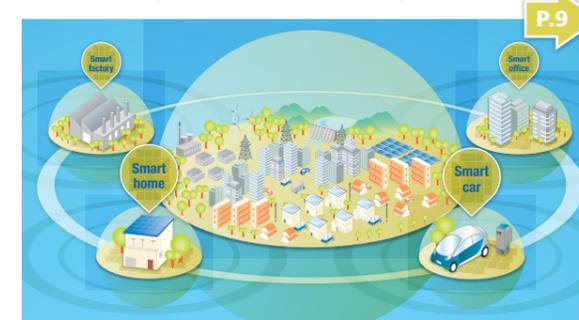
Example:

- Fiscal 2012 (From April 1, 2011 to March 31, 2012)
- Fiscal 2013 (From April 1, 2012 to March 31, 2013)

#### Special Feature I

### Achieving a Smart Society

We introduce Renesas Electronics Group semiconductor solutions (which we expect to be given full play in building a smart society) and microcontrollers (which contribute to smart cars).



#### Special Feature II

### Special Feature II: Naka Factory Restoration and Earthquake Lessons

We report on post-recovery initiatives at the Naka Factory, which was seriously damaged by the Great East Japan Earthquake.



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#### Reporting Period

This report primarily covers the period from April 1, 2011 to March 31, 2012, and includes reports on certain subsequent activities.

#### Publication Date

August 2012 (Next publication scheduled: August 2013)

#### Reporting media

Information on our CSR activities may be found on our Website as well as in this report.

[http://www.renesas.com/comp/csr\\_eco/csr/index.jsp](http://www.renesas.com/comp/csr_eco/csr/index.jsp)

(CSR section)

[http://www.renesas.com/comp/csr\\_eco/eco/index.jsp](http://www.renesas.com/comp/csr_eco/eco/index.jsp)

(Environmental Activities section)

We report economic information in our Annual Report and on our Website.

# We Aim to Realize Our Vision and Build Our Future.

## Q1 Tell us about your initiatives after recovery from the Great East Japan Earthquake?

The Great East Japan Earthquake of March 2011 forced the Renesas Electronics Group to halt production at eight sites, including the Naka Factory, one of our main manufacturing sites. With help from people outside the Group, we were able to get all damaged factories back online by September. I would like to take this space to sincerely thank all those who assisted in our recovery.

As for our post-recovery initiatives, the Group has a social responsibility to provide customers with a stable supply of products, no matter the situation. Thus we have revised our business continuity plans (BCPs) based on lessons learned from the earthquake.

Specifically, we are bolstering our previous initiatives by 1) seismically reinforcing our production plants so they are sturdy enough to recover promptly after disaster (to be completed by the first half of 2013) and 2) building alternate production networks to maintain a continuous supply of products, even in emergencies such as production stoppages. We are also working vigorously to 3) reduce risk by sharing risk information with customers and cooperating with them. This means that we aim to share inventory and other information with customers and work with them on business risk reduction measures.

## Q2 How do you define CSR at Renesas Electronics?

The Group's Corporate Philosophy is: "Harnessing our collective expertise in new technologies, Renesas Electronics contributes to a world where people and the planet prosper in harmony by realizing our vision and building our future." By this we mean that ours is an enterprise that helps create a future while supporting livelihoods and society and coexisting with the earth. We accomplish this by continuously providing customers with semiconductors made from the Group's high technology, and by giving customers sincere service.

We established the Renesas Electronics Group CSR Charter, which states our position on initiatives for stakeholders, to ensure that we achieve our goal at the heart of this Corporate Philosophy, which is to be an enterprise that coexists with society and contributes to it.

We believe that when all employees share in the stance spelled out in the Corporate Philosophy and CSR Charter, and when each one practices CSR on the job, then we can

contribute to society through our business activities. The Renesas Electronics Group hopes to use its advanced technical strengths to contribute to the development of a sustainable society.

Since 2008 we have also endorsed and supported the 10 Principles of the United Nations Global Compact in the four areas of human rights, labor, environment and anti-corruption. We will continue our proactive efforts against environmental and human rights problems.

## Q3 What do the Corporate Philosophy and CSR Charter mean when they talk about "realizing our vision and building our future" and "conducting business that helps build a better future for people?"

The international community faces numerous problems that must be dealt with by society as a whole: planetary problems like global warming, water resources and energy as well as poverty and human rights. We cannot realize our vision and build a future unless we solve these problems.

Although one enterprise cannot solve such problems by itself, we believe that there is much we can and should do to help.

The Renesas Electronics Group considers CSR a strategy to simultaneously solve social problems and achieve sustainable growth for ourselves, and for that purpose we provide our technologies, products and services.

The nuclear power accidents of March 2011 brought Japanese energy policy to a major turning point.

Energy conservation will continue to be a critical social issue, one that will constantly require solutions for optimizing energy consumption. With its microcontrollers, analog & power and SoC products, the Group has excellent technology and strong products to meet the needs of a smart society. We take pride in our ability to develop optimal solutions.

A smart society is what we call the future society that will achieve both eco-friendliness and a comfortable lifestyle. By providing excellent technology, strong products and exacting service meeting the needs of a smart society, the Group hopes to help achieve that society.

## Q4 What kind of environmental protection initiatives are you taking?

Since the semiconductor industry uses large volumes of resources like energy, water and chemicals, it creates a major environmental load. Energy consumption is a particularly large part of that load, so the Renesas

Electronics Group is systematically transitioning to energy-saving equipment to cut power consumption on our production lines. We are also optimizing production conditions to reduce emissions of CO<sub>2</sub> and other greenhouse gases and we are promoting the reuse of water resources as we endeavor to use limited resources effectively. We are furthermore replacing the environmentally burdensome chemicals that we use with more eco-friendly substances, and we are optimizing our processes to reduce the amount of chemicals used. We are taking zero emissions initiatives by reducing waste emissions from production plants and reusing waste that does occur.

As for the semiconductor products we make, they are the subject of world efforts to reduce environmental load, as typified by chemical regulations in Europe. We are building and operating systems that precisely control the chemical substances contained in Group products and endeavoring to reduce their environmental load so that customers can use these products with confidence. Additionally, we do product environmental assessment of all products in development to reduce their environmental load.

In these ways we seek to minimize the environmental load of the manufacturing of semiconductor products and of the products themselves, and to help reduce the global environmental load through our customers' products that incorporate Group products. Our hope is ultimately to help build a sustainable smart society.

## Q5 What is your message for your stakeholders?

The Renesas Electronics Group aims to increase sales to the smart society and newly emerging economies by providing technologies, products and services meeting the needs of the smart society.

To do so, it is essential to gauge customer needs quickly and respond accurately to their expectations. An enterprise cannot survive otherwise. We will conduct our business to meet the needs of all stakeholders involved: customers, suppliers, shareholders, employees and the local community.

As a member of society, the Renesas Electronics Group promises to be more attentive than ever to its stakeholders by listening closely to what our customers and suppliers are saying and by interacting with the local community. Through these initiatives, we aim to be an enterprise trusted by and essential to society. Thank you for your ongoing support.

Renesas Electronics Corporation  
August 2012



Yasushi Akao  
Representative Director, President



## Corporate Outline

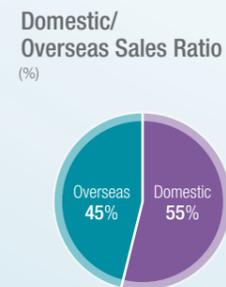
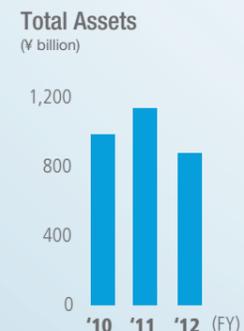
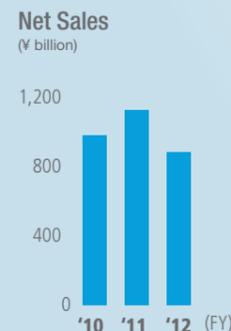
Company Name	Renesas Electronics Corporation
Registered Head Office	1753 Shimonumabe, Nakahara-ku, Kawasaki, Kanagawa 211-8668, Japan
Headquarters	Nippon Bldg., 2-6-2, Ote-machi, Chiyoda-ku, Tokyo 100-0004, Japan
Established	November 1, 2002 (Started operation on April 1, 2010)
Capital Stock	153.2 billion yen (As of March 31, 2012)
Major Operations	Research, development, design, manufacture, sale, and servicing of semiconductor products
Employees	(Consolidated) 42,800 (As of March 31, 2012)
Websites	japan.renesas.com (Japanese version) www.renesas.com (English version)

## Domestic Sites

- **Manufacturing and Manufacturing Support Companies**
  - Renesas Electronics Corporation
  - Renesas Northern Japan Semiconductor, Inc.
  - Haguro Electronics Co., Ltd.
  - Hokkai Electronics Co., Ltd.
  - Renesas Yamagata Semiconductor Co., Ltd.
  - Renesas Naka Semiconductor Co., Ltd.
  - Renesas Eastern Japan Semiconductor, Inc.
  - Renesas Kofu Semiconductor Co., Ltd.
  - Renesas High Components, Inc.
  - Renesas Yanai Semiconductor, Inc.
  - Renesas Kansai Semiconductor Co., Ltd.
  - Renesas Semiconductor Kyushu Yamaguchi Co., Ltd.
  - Renesas Kyushu Semiconductor Corp.
  - Renesas Semiconductor Engineering Corp.
- **Design, Development and Application Technologies Companies**
  - Renesas Electronics Corporation
  - Renesas Solutions Corp.
  - Renesas Micro Systems Co., Ltd.
  - Renesas Design Corp.
  - Renesas Takasaki Engineering Services Co., Ltd.
  - Renesas Musashi Engineering Services Co., Ltd.
  - Renesas Kitaitami Engineering Services Co., Ltd.
- **Sales Company**
  - Renesas Electronics Sales Co., Ltd.
- **Business Companies and Others**
  - Renesas Mobile Corp.
  - Renesas SP Drivers Inc.

## Overseas Sites

- **Manufacturing and Manufacturing Support Companies**
  - Renesas Semiconductor (Beijing) Co., Ltd.
  - Renesas Semiconductor (Suzhou) Co., Ltd.
  - Shougang NEC Electronics Co., Ltd.
  - Renesas Semiconductor Singapore Pte. Ltd.
  - Renesas Semiconductor (Malaysia) Sdn. Bhd.
  - Renesas Semiconductor Technology (M) Sdn. Bhd.
  - Renesas Semiconductor (Kedah) Sdn. Bhd.
  - Renesas Semiconductor KL Sdn. Bhd.
- **Design, Development and Application Technologies Companies**
  - Renesas Design Vietnam Co., Ltd.
  - Renesas Semiconductor Design (Beijing) Co., Ltd.
  - Renesas Semiconductor Design (Malaysia) Sdn. Bhd.
  - Renesas Electronics Brasil-Servicos Ltda.
- **Sales Companies**
  - Renesas Electronics America Inc.
  - Renesas Electronics Canada Limited
  - Renesas Electronics Europe Limited
  - Renesas Electronics Europe GmbH
  - Renesas Electronics (China) Co., Ltd.
  - Renesas Electronics (Shanghai) Co., Ltd.
  - Renesas Electronics Hong Kong Limited
  - Renesas Electronics Taiwan Co., Ltd.
  - Renesas Electronics Singapore Pte. Ltd.
  - Renesas Electronics Malaysia Sdn. Bhd.
  - Renesas Electronics Korea Co., Ltd.
- **Business Companies and Others**
  - Renesas Design France S.A.S
  - Renesas Mobile Europe Oy
  - Renesas Telecommunication Technology Ltd. Corp.
  - Renesas Mobile India Private Limited
  - Renesas SP Drivers Taiwan Inc.



\* The figures for fiscal 2010 are the total of the former two companies.

## Business Segments and Segment Sales Ratio

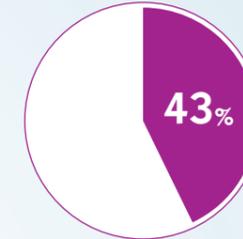
### MCU Business

- Major Products**
- Microcontrollers



**Major Applications**

- Automobiles
- Industrial applications
- Consumer electronics (Digital home appliances, white goods, game consoles)
- PC and PC peripherals (Hard disc drives, etc.)



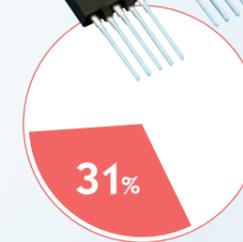
### Analog & Power Semiconductor Business

- Major Products**
- Power MOSFET
  - IGBT
  - Small signal transistors
  - Display driver ICs
  - Compound semiconductors
  - Mixed-signal ICs
  - Diodes



**Major Applications**

- Automobiles
- Industrial applications
- PC and PC peripherals (Hard disc drives, etc.)
- Consumer electronics (Digital home appliances, white goods, game consoles)



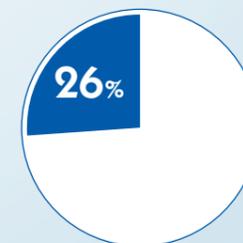
### SoC Solutions Business

- Major Products**
- ASIC
  - ASSP



**Major Applications**

- Mobile applications
- Networking equipment
- Industrial applications
- PC and PC peripherals (Hard disc drives, USB, etc.)
- Consumer electronics (Digital home appliances, game consoles)
- Automobiles (Car navigation systems)



The most basic social responsibilities of a company are to provide useful products and services in response to customer expectations and to contribute to the development of society. However, these are not the only social responsibilities that a company has; a company must also consider its customers, business partners, all its shareholders and investors, all the local residents, and all related individuals (stakeholders), starting with its own employees, and carry out fair business practices, take steps to protect the environment, and contribute to society.

In April 2010, Renesas Electronics created the "Renesas Electronics Group CSR Charter." Its goal was to help create a fair and transparent management and to build relationships of mutual trust and cooperation with various stakeholders. As well as being the base for our efforts towards CSR, this charter also informs society far and wide of our basic attitudes towards CSR.

**We will continue to cooperate with our various stakeholders as a business that is helping to build a better future for all through semiconductors.**



**CSR activities in response to changes in society and the needs of the times**



**Renesas Electronics Group CSR Charter**

Formulated April 1, 2010

The Renesas Electronics Group will contribute to the sustainable advancement of society. As an enterprise, we will conduct business that helps build a better future for people around the world by supplying superior semiconductor products powered with advanced technologies and by providing customer service that is honest and sincere.

We pledge to conduct our business with integrity and in compliance with legal requirements. We will work with and for the benefit of our stakeholders based on the following guiding principles:

**Customer focus**

We will quickly provide optimized, high-quality solutions in response to our customers' needs to maximize customer satisfaction and to earn our customers' trust.

**Global perspective**

As a member of the global community, we will respect the history, culture, customs and human rights of each country and region, and we will not practice or permit any forced or child labor. In addition, we will promote activities that contribute to the betterment of the global society.

**Sound business practices**

We will carry out fair, ethical and transparent business practices and convey these practices to all our stakeholders. In addition, we will maximize our corporate value through business practices that allow us to continue to grow.

**Environmentally friendly**

We pledge to develop, manufacture and sell semiconductor products that respect the environment, and we will strive to minimize the environmental impact of our products throughout the entire product life cycle. We will also participate in activities intended to harmonize human pursuits and the environment, promoting increased awareness of issues such as climate change and biodiversity.

**Healthy work environment**

We will respect the individual personalities of our employees. We will promote a rewarding, safe, and flexible working environment where each person is able to demonstrate his/her best talents and capabilities.

The Renesas Electronics Group sets up the CSR Promotion Committee, which is chaired by the president of Renesas Electronics, to enforce our group's CSR Charter. The CSR Promotion Committee discusses matters that are important for promoting CSR in the Group and related activities. For fiscal 2013, we have set the following six CSR activity targets and plans, based in part on ISO26000.

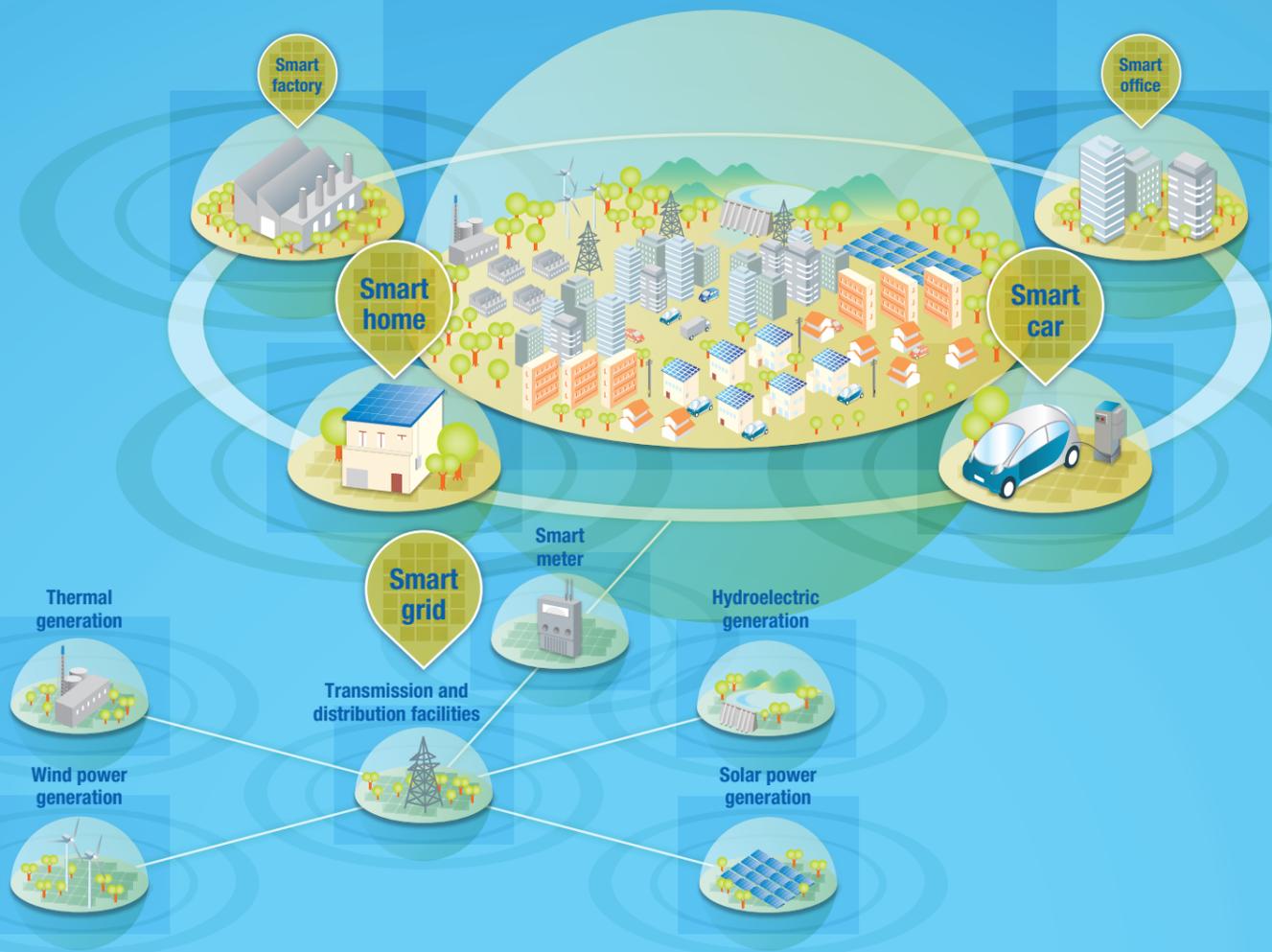
CSR Promotion Committee fiscal 2013 CSR initiative		Core themes in ISO26000
1	Continue initiatives to further promote and establish CSR awareness among employees	Organizational governance
2	Further enhance effectiveness of BCPs in case of emergency	Organizational governance
3	Promote diversity and establish a workplace that prevents problems of human rights	Human rights/ labor practices
4	Ask suppliers to cooperate in meeting CSR procurement guidelines	Fair operating practices
5	Disclose CSR activity information within and beyond the company and strengthen communication with stakeholders	Organizational governance/community involvement and development
6	Respond to customers promptly and sincerely (questionnaires, surveys)	Consumer/customer issues

# Achieving a Smart Society

## Renesas Electronics Group's Semiconductor Technologies

### A Smart Society

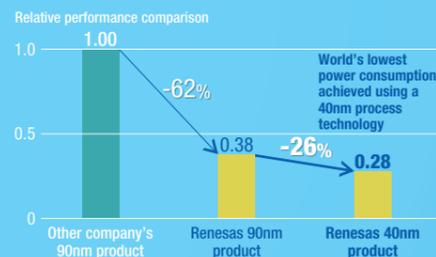
Our societies are facing a variety of problems, such as climate change, the decline of fossil fuel reserves, and power shortages. A "smart society" seeks to solve these problems, aiming towards the realization of a sustainable society that balances consideration for the environment with comfortable lifestyles, by making effective use of energy and managing, controlling, and connecting energy sources, including released heat and previously unharnessed energies throughout society as a whole.



### A Smart Society and Semiconductor Technologies

Offering a variety of benefits, including the reduction of power consumption, semiconductors contribute to the reduction of waste and the realization of efficiency all around us — from ordinary houses to offices, and from cars to industrial devices and equipment. A diverse range of semiconductor technologies and applications will be essential to the realization of our projected smart society. Among the roles that semiconductors will play, we can point to their use in electronic devices to reduce power consumption and offer more advanced functions, and in addition to contribute to the creation of networks. The technological evolution of semiconductor products will accelerate the appearance of a smart society.

Power consumption of Renesas Electronics' 40nm microcontroller



### Smart Homes

#### Smart Home Solutions

A smart society will be underpinned by a smart grid, which will eliminate waste through the control and effective use of energy. The overall optimum balance will be achieved by means of the management and control of the power produced by power stations and the power consumed by homes. And the control of energy in each individual home will produce a smart home.

#### Understanding Power Consumption in the Home

The creation of smart homes requires us to understand the amount of power being consumed in each home, as well as the amount of power being generated. In order to do so, power monitors and micro power meters will be essential. Systems using the functions offered by semiconductors will make it possible to manage and control power throughout the house.

### Renesas semiconductor technologies making a contribution in a smart society



From energy meters to home electrical appliances and cars, our technological capability in the field of semiconductors will contribute to the building of a smart society.



### Smart Cars

#### The Vehicles demanded by a Smart Society

Cars will also be required to increase fuel efficiency and reduce dependence on oil. While the use of electric vehicles and plug-in hybrid vehicles has spread widely, development efforts are now proceeding for "smart cars" — next-generation vehicles that will be even smarter.

We can also expect the realization of an energy-conserving, safe and comfortable automotive society in which cars and advanced traffic systems are mutually linked, controlling traffic congestion and providing assistance for safe driving.

#### Connecting Homes and Power Companies

Smart meters are indispensable in connecting homes and power companies. Smart meters must be electronic, and must consume low levels of power to enable long-term operation. Because they also possess communications functions, they require advanced security functions, making encryption technologies another important factor. There are numerous patterns of specifications and performance parameters for the application of semiconductors to smart meters. Renesas Electronics is contributing by offering a wide-ranging product lineup offering low power consumption, and technological expertise for the realization of safe and reliable security.

#### Curbing Energy Loss through Home Electrical Appliances

Many of the electrical appliances used in the home operate using motors. However, in some cases, these motors do not operate efficiently, resulting in energy loss. The effective control of high-performance motors in home appliances using semiconductors makes it possible to save energy in these appliances. Renesas Electronics is reducing energy loss to the absolute minimum by means of semiconductors possessing advanced functions that have been leading a technological revolution in combination with Japanese home appliance technologies.

#### Contributing to the Future Automotive Society

The importance of electronic technologies in the rapidly expanding field of eco-friendly cars is increasing, and the achievement of further size and weight reductions and greater efficiency in parts is a necessity. Semiconductor technologies will be essential in areas including the construction of effective infrastructure for electric vehicles and the realization of advanced traffic systems and safe driving support systems. Renesas Electronics is contributing to the early realization and diffusion of smart cars by supplying high-performance microcontrollers with low power consumption. (Please see the following page for details).

TOPICS

# Smart Cars and Renesas Microcontrollers

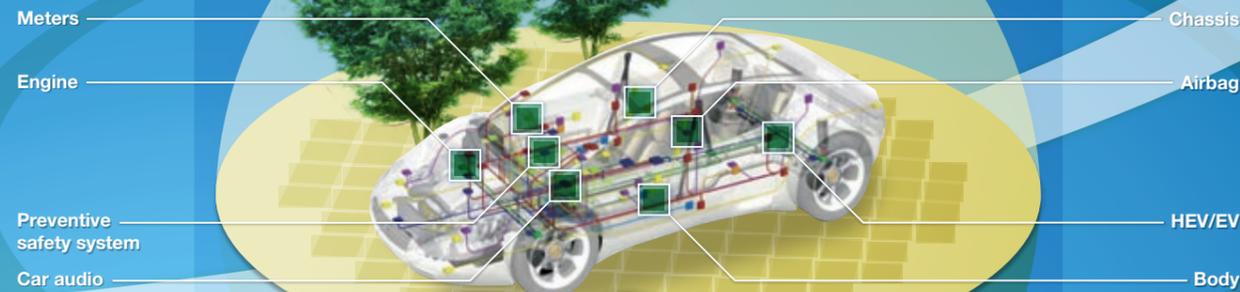
## The Potential of the Automotive Society and Renesas Semiconductors

The recent diffusion of electric and hybrid vehicles and the acceleration of new technological development have seen the rapid evolution of automobiles with new initiatives in the direction of reduced carbon emissions and energy conservation. Among other developments, we can also look forward to the creation of systems to support safe driving and control traffic congestion and systems for the charging of electric vehicles, which will help to usher in a safe and comfortable automotive society.

With each vehicle employing between 50 and 100 microcontrollers, Renesas Electronics is supporting automotive comfort, safety, and energy conservation, and contributing to the development of the automobile. Boasting a 42% share of the global market in automotive microcontrollers\*, in the automotive field we offer security, safety, and comfort with customer satisfaction as our top priority.

\*Source: HIS iSuppli Competitive Landscaping Tool (CLT)

We are contributing to the creation of an environmentally friendly, safe, secure and comfortable future automotive society.



### Contributing to an Evolving Automotive Society

Connectivity is an increasing contemporary requirement. Microcontrollers will be indispensable in the realization of vehicle operation support functions involving communication with surrounding vehicles and the road, including sharing information with smartphones, linking vehicle operations, and the real time acquisition of road traffic data.

#### Environment

### Contributing to the Prevention of Global Warming

Vehicles that produce minimal exhaust and offer good fuel efficiency are needed as we work to reduce greenhouse gas emissions. Microcontrollers with lower power consumption are contributing to the realization of environmentally friendly automobiles.

⇒ See P 40 for details of Eco-Products Initiative

#### Safety and Security

### Contributing to the Reduction of Traffic Accidents

The majority of traffic accidents originate in misjudgments or operating errors by drivers. Microcontrollers with high processing capacity are contributing to the realization of safe driving assistance functions that will reduce the incidence of human errors.

#### Comfort

### Contributing to Comfortable Cabin Spaces

Soft interior illumination comes on when the door is opened. The vehicle recognizes the driver, and offers voice guidance. These and other functions offering increased user comfort will be flexibly realized by microcontrollers.

# Naka Factory Restoration and Earthquake Lessons

## Damage to Our Production Centers in the Great East Japan Earthquake and its Effect

Eight Renesas Electronics Group manufacturing sites were damaged in the Great East Japan Earthquake, forcing a suspension of production activities. Of these eight, our Naka Factory was particularly severely damaged, resulting in considerable inconvenience for our customers, shareholders, and business associates. In working towards recovery, we received tremendous support from the parties concerned, and we were able to recommence production three months ahead of our originally projected schedule. We would like to take this opportunity to once again thank all of the stakeholders who offered us their generous support.

After the earthquake



After recovery efforts



## Putting the Lessons learned from the Earthquake into Practice

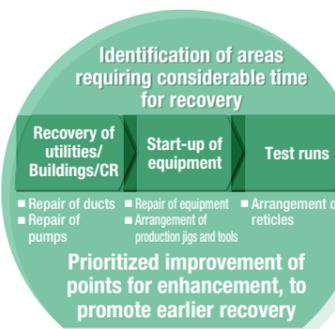
Having reaffirmed our awareness that our mission as a company is to provide our customers with a stable supply of products, in fiscal 2012 we focused our efforts on disaster responses based on lessons learned from the Great East Japan Earthquake.

All divisions and offices of the Renesas Electronics head office conducted a comprehensive review of our Business Continuity Plans (BCPs) and thoroughly revised them in order to ensure our ability to maintain a stable and continuous supply of products to our customers. (See P 17 for details of the establishment of our new BCPs).

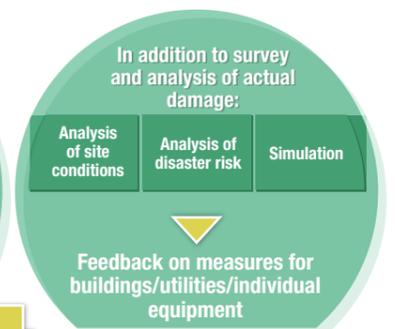
At our Naka Factory, which was most seriously damaged by the earthquake, we introduced a variety of measures, with a focus on earthquake safety. Now we are extending these measures to other Group factories, with the Naka Factory as a model.

## Thinking behind Enhancement of Earthquake Resistance

### Lessons learned from the recovery of the Naka Factory



### Measures adopted based on simulation of Naka Factory



**Creation of a robust factory, difficult to damage and easy to repair**  
Extension of measures to other Renesas front-end Fab and assembly/test lines, with Naka Factory as a model

## Measures to Increase Earthquake Resistance in the Naka Factory

- 1 Running of earthquake simulations
- 2 Examination and implementation of various measures to increase earthquake resistance based on results of earthquake simulations for buildings

### Details of measures related to buildings

- Measures to prevent toppling of electrical equipment racks
- Measures to prevent damage to PVC ducts
- Measures to prevent leaks from chemical tanks and liquid barriers
- Measures to prevent submersion of underground wastewater transit tank pit
- Reinforcement of walls and ceiling of clean room
- Measures to prevent collapse of office ceilings
- Measures to prevent falling of hanging smoke barriers

### Details of measures related to production equipment

- Enhancement of measures to fix equipment in place
- Earthquake resistance measures for each type of equipment (multi-chamber / vertical furnaces / ion implanter / exposure tools / dimension measurement SEM / quartz tanks for wet processing)

### Details of other measures

- Measures to prevent toppling of servers
- Measures for reticle storage shelves
- Measures to prevent work in progress from falling
- Measures to prevent jigs and tools from falling

### Measures to prevent damage to PVC ducts



### Measures to reinforce ion implanter insulator



### Measures to prevent work in progress from falling



## CSR Promotion Structure

### What Society Needs from Us

CSR is ordinarily understood as the “corporate social responsibility” of aiming to achieve a sustainable society. The scope of CSR has expanded in recent years, however. It is crucial for businesses to pursue a more broadly defined CSR that helps solve many types of social problems and thereby gains the trust of society. CSR trusted by society includes 1) basic CSR, which has a deep sense of ethics in line with community values, and 2) strategic CSR, which actively seeks to optimize economic and social profit. CSR activities that are conscious of social problems are going to be increasingly necessary.

### Stance of the Renesas Electronics Group

The Group’s Corporate Philosophy is “Harnessing our collective expertise in new technologies, Renesas Electronics contributes to a world where people and the planet prosper in harmony by realizing our vision and building our future.” Achieving this philosophy requires gaining the trust of many stakeholders, and the keys to achieving that are governance and compliance, i.e. “basic CSR.” Following ISO26000, issued in November 2010, we have continued to analyze, verify and improve our CSR activities so that we can better contribute to building a sustainable society.

### CSR Charter and Promotion Structure

We formulated the Renesas Electronics Group CSR Charter on April 1, 2010. This charter calls upon us to protect our customers and other stakeholders and mandates what practices to follow in our business. Pursuant to this charter, the entire Group is working as one to advance CSR activities.

In addition, a CSR Promotion Committee, headed by the President, sets policies, targets and priorities for Group CSR activities, which are then carried out throughout the Group. Directors of domestic business sites and Group companies, as well as Group company presidents, act as “CSR leaders,” making sure that each site is actively carrying out CSR activities and that employees are being trained in CSR.

### CSR Activity Targets and Plans

The CSR Promotion Committee, chaired by the President, discusses plans for the coming fiscal year and then advances CSR activities following this plan. We are currently pursuing the fiscal 2013 plan, which has six CSR activity targets. (See p. 8 for details.)

### CSR Training

We provide CSR training as part of position-specific training for new employees and new managers. Such training is designed to enhance CSR awareness among employees. Online courses are also given as appropriate on the topics of the environment, information security, compliance and human rights. In fiscal 2012, we implemented online courses on information security and compliance.

### Dealing with New CSR Trends and Social Issues

At the 10th Conference of the Parties to the Convention on Biological Diversity (COP10), held in 2010, signatories voted to “take effective and urgent action to halt the loss of biodiversity by 2020.” Biodiversity is a crucial theme to address for the sake of the earth and all people. The Renesas Electronics Group is also making every effort to protect biodiversity through our business and social contribution activities. Water shortages are also becoming a serious problem globally. Because the semiconductor industry consumes a great deal of water, we are working actively to protect biodiversity, as well as the forests that provide our water (see p. 30, Renesas Forest Land 2011).

### CSR Activities throughout the Supply Chain

On these CSR activities, we should implement them not only in our Group but in entire the supply chain. Therefore it is essential to obtain the understanding and cooperation of our business partners. We have already enacted “Procurement Policies” and asked our business partners to cooperate us with a list of items which they implement. In fiscal 2013 we are establishing a Supply Chain CSR Promotion Guidebook and activate our CSR activities rather than past level, for instance we require cooperation from our business partners along to this guidebook.

## Corporate Governance

### Basic Approach to Corporate Governance

Renesas Electronics is working constantly to reinforce its corporate governance, based on the understanding that efficient, sound and transparent corporate management is the key to making continuous improvements in its corporate value. To this end, the Company establishes necessary management frameworks and implements various initiatives.

 [Corporate Governance Report \(Website\)](http://www.renesas.com/ir/company/governance.html)  
www.renesas.com/ir/company/governance.html

### Corporate Governance Structure

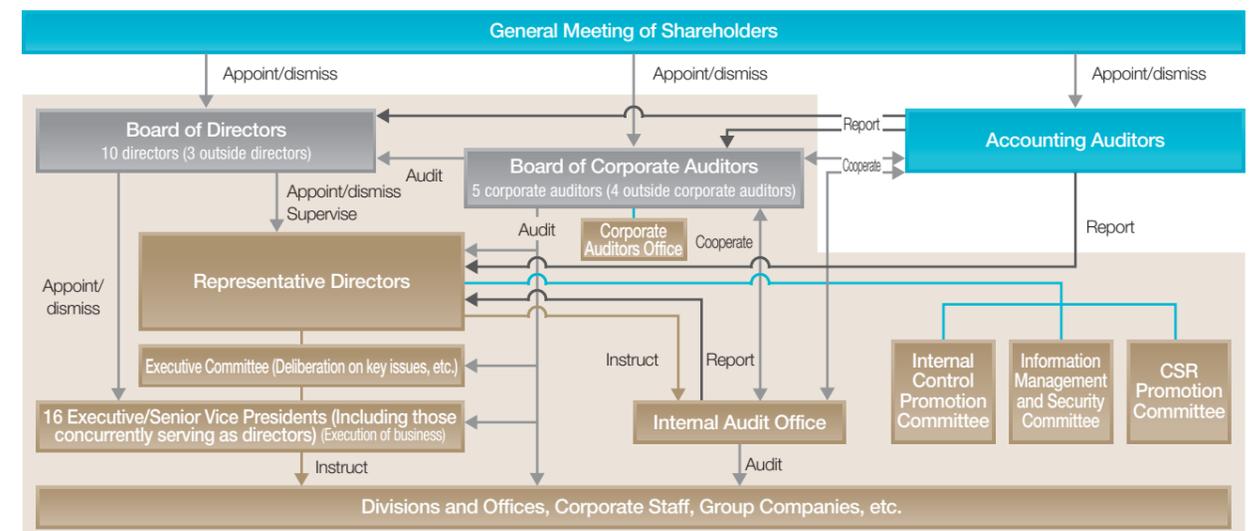
The Renesas Electronics Board of Directors consists of ten directors, including three outside directors. As a rule, the board holds a regular meeting once a month and extraordinary meetings as needed. The chief role of our outside directors is to audit the execution of duties by other directors for appropriateness and to take part in management decision-making, using the outside directors’ outside perspective, which comes from their own knowledge and experience. The Board of Directors makes important management decisions and supervises the execution of duties by directors. Matters referred to the Board of Directors as a rule go through a pre-deliberation by the Executive Committee to allow for a fuller deliberation. Additionally, to clarify business execution responsibilities and speed up decision-making, we have implemented an executive officer system and provide appropriate authority to executive officers based on the area of responsibility they are assigned by the Board of Directors.

Renesas Electronics uses a corporate auditor system and has a framework under which corporate auditors audit the execution of duties by members of the Board of Directors. The Board of Corporate Auditors consists of five auditors, including four outside corporate auditors. As a rule, the board holds a regular meeting once a month and extraordinary meetings as needed. Two of the outside corporate auditors are qualified as an attorney or as an accountant, and are independent. Moreover, four of the corporate auditors have considerable knowledge of finance and accounting. The Board of Corporate Auditors settles such matters as auditing policies and receives auditing status updates and other reports from individual corporate auditors. To enhance the effectiveness of audits, Corporate Auditors collaborate with the independent auditor, Renesas Electronics’ Internal Audit Office and other departments concerned to collect auditing-related information and to exchange views.

### Internal Control System

The Board of Directors of Renesas Electronics has formulated and implemented the basic policy for developing corporate systems—including those to ensure appropriate operations of the Company, referred to as internal control systems—defined under Article 362, Paragraph 4, Item 6 of the Companies Act and Article 100, Paragraphs 1 and 3, of the Ordinance for Enforcement of the Companies Act. The development and implementation of such systems is reported during meetings of the Board of Directors. Moreover, the Company’s Internal Control Promotion Committee periodically holds meetings to deliberate on and study serious compliance violations relating to the internal control system, determining how they happened and how they can be prevented in the future.

### Corporate Governance Structure



As of June 26, 2012

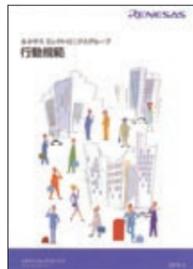
# Compliance

## Stance on Compliance

For Renesas Electronics, compliance means not just obeying the law, but also responding to the needs of society. We believe that the practice of thorough compliance is one of the most critical things a company must do to survive. We make sure that all Group executives and employees understand our corporate policy on compliance and put it into practice.

## Code of Conduct

We established the Renesas Electronics Group Code of Conduct to ensure thorough practice of compliance by all employees. The Code of Conduct provides guidelines for employee conduct on the job. It lists the rules each employee must obey and the things they must do to respond to the needs of society, and it even takes into account laws outside of Japan. We have translated the Code of Conduct into English, Chinese and other languages, and expanded it for overseas Group companies so that it considers the laws and business customs of each country.



**WEB** [Renesas Electronics Group Code of Conduct \(Website\)](http://www.renesas.com/comp/csr_eco/csr/management/action/index.jsp)  
www.renesas.com/comp/csr\_eco/csr/management/action/index.jsp

## Compliance Promotion Structure

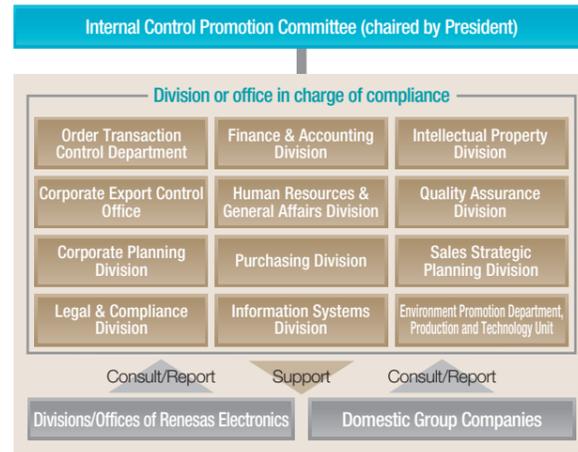
Renesas Electronics' Internal Control Promotion Committee, chaired by the President, deliberates and makes decisions on important compliance matters.

The Legal & Compliance Division oversees all matters relating to promoting compliance and designates a division or office responsible for each compliance risk category.

General managers of Renesas Electronics divisions and offices and presidents of domestic Group companies are responsible for compliance in their respective organizations. They cooperate with those in charge of compliance in each field to decide on and implement the measures necessary to promote compliance.

If a compliance violation does occur, the division/office or domestic Group company reports it promptly to the head of the division or office in charge of compliance for the field in question and to the director of the Legal & Compliance Division. Upon receiving the report, the division or office in charge of compliance reports to the executive concerned, depending on the seriousness of the matter.

### Compliance Promotion Structure



## Compliance Promotion Activities

The division/office in charge of compliance in each field monitors trends in the establishment or revision of laws, etc., that underlie compliance promotion. Then it raises awareness by preparing regulations and manuals, providing training and practicing communication, and performs monitoring.

### Compliance Risks

Responsible Division/Office	Major Compliance Risks
Order Transaction Control	Fraudulent order/fictitious revenue
Corporate Export Control	Illegal export
Corporate Communications, Corporate Planning	Deceptive advertising
Legal & Compliance	Antimonopoly Law violations (cartels, etc.), transactions with antisocial forces, insider trading, confidential/personal information leaks, internal illegal activities
Finance & Accounting	Accounting fraud
Human Resources & General Affairs	Human-rights abuses (sexual harassment, etc.), occupational accidents, corporate entertainment/gift-giving scandals, illegal political donations
Purchasing	Subcontract Law violations, camouflage contracting, illegal importing, interest-conflicting transactions
Information Systems	Computer viruses, illegal software copying, unauthorized access
Intellectual Property	Infringement of other parties' intellectual property rights
Quality Assurance	Defective products, product data falsification
Sales Strategic Planning	Inappropriate relationships with sales partners, illegal conduct against sales partners
Environment Promotion, Production and Technology	Environmental damage, contamination of specified hazardous substances

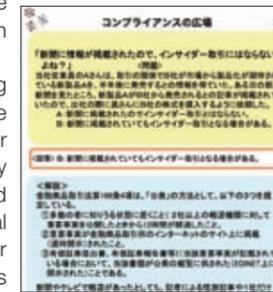
The Legal & Compliance Division conducts training and awareness-raising initiatives on all compliance matters. All Group employees, moreover, fill out a questionnaire once a year to verify that compliance has taken root. If necessary, the results are shared with the divisions/offices in charge of compliance, which find this information useful when they revise the measures necessary to promote compliance.

Division/office heads and Group company presidents are ultimately responsible for compliance, but they are assisted by compliance promoters, who lead activities that promote compliance within their own organizations.

## Compliance Education/Communication

The Renesas Electronics Group provides position-specific compliance education programs for new employees, new section chiefs and new managers. At the same time, the Group offers compliance education programs common to all executives and employees every year. To address the variety of compliance risks, moreover, we provide e-learning and lecture-based training in divisions or offices responsible for specific risks. This training covers risks related to fair trade, information security, the environment, export control and so on. In fiscal 2012 in particular, we provided training focusing on the Antimonopoly Law to sales personnel in Japan, the U.S., Europe and Asia, since control and penal regulations under the law have been strengthened in recent years.

Finally, we are improving communication within the Group to ensure better compliance. We provide many types of compliance-related information through an internal website and an email newsletter that goes out to all employees about once a month.



Email newsletter

## Compliance Hotline

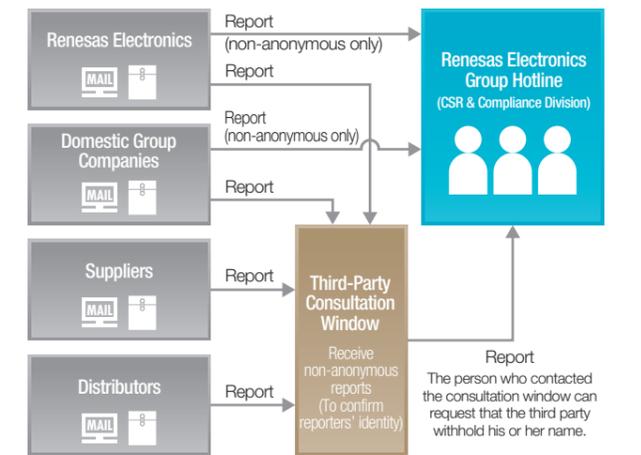
Group executives and employees may encounter a situation in which they are not able to consult with or report to their supervisors or divisions and offices responsible due to certain reasons and circumstances, even when they have identified compliance-related problems. To deal effectively with such situations, the Company has established the Renesas Electronics Group Hotline ("Group Hotline") as a whistleblower's contact for consultation by executives and employees of domestic Group companies and for reporting such problems.

In addition, by employing a third party who serves as an external contact point, we have established a system under which the anonymity of the person reporting is protected at his or her request. This external contact point can be accessed not

only by the Group's executives, employees or temporary staff, but also by members of the Group's suppliers and authorized distributors. The Company's internal rules clearly prohibit the adverse treatment of those who consult with or report to the Group Hotline. The Company has posted such rules on its Intranet and Internet Websites so that people can use the Group Hotline without anxiety.

The content of such consultations and reports is reported at meetings of the Internal Control Promotion Committee, chaired by the Company's president, which enables sharing of information about potential risks among top management.

### Renesas Electronics Group Hotline



## Secure Export Control Initiatives

The Renesas Electronics Group's semiconductors and technologies are widely used in various industries. To ensure that its products and technologies are not diverted to uses that could prevent the maintenance of international peace and security, the Group must manage these assets appropriately.

In addition to strict observance of applicable laws and regulations, Renesas Electronics has incorporated voluntary control into its export control compliance programs, promoting security export control in a manner more stringent than that mandated by these laws and regulations. Moreover, we provide systematic position-specific and job-specific training to all employees to maintain appropriate control, and we periodically audit all sites in Japan and overseas and make improvements as needed.

Thanks to these and other efforts, Renesas Electronics has been certified as an "Authorized Exporter," or Authorized Economic Operator (AEO) Exporter, by the Tokyo Customs office of the Ministry of Finance of Japan, which is one of Japan's AEO programs.

# Risk Management

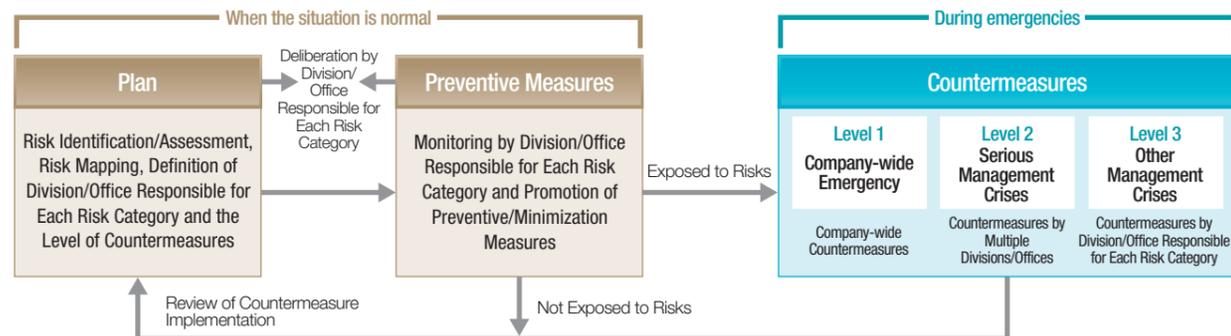
## System of Risk Management

Renesas Electronics has formulated Basic Rules for Risk Management and, based on these rules, the Company has established a Group-wide risk-management structure.

Risks in overall corporate management are categorized according to the level of possible exposure and the degree of potential impact on the Company. The Company designates a division or office

responsible for each risk category. To effectively manage risks in their respective fields of responsibility, these divisions and offices collaborate on a regular basis. When a management crisis occurs, Renesas Electronics sets up a risk-specific task force in line with planned countermeasures. These risk-specific task forces do their utmost to minimize the negative impacts of a management crisis.

### Risk Management Structure

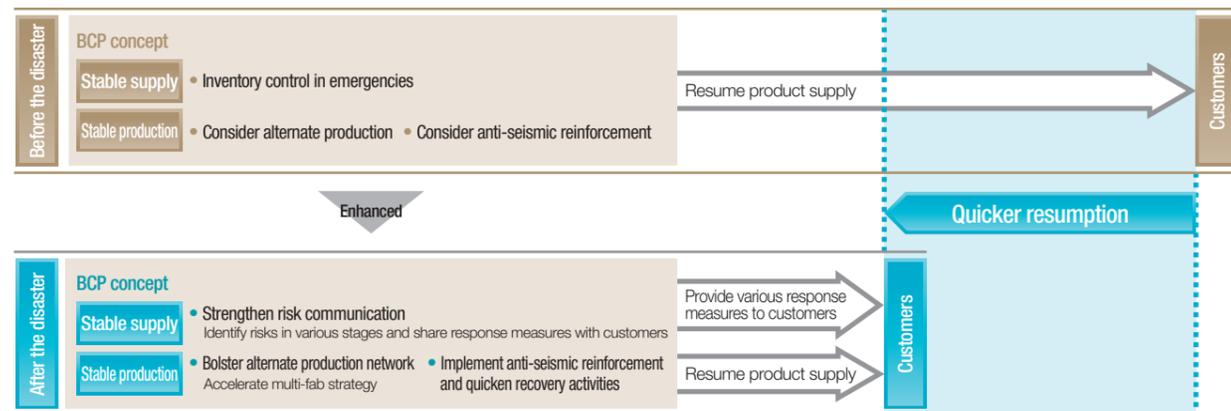


## Establishing and Implementing New BCPs

As part of enhancing its risk management system, Renesas Electronics recognizes business continuity plans (BCPs) as the primary means to prevent disasters and manage risks. Together with our Group companies, we have worked proactively to establish and strengthen our BCPs in order to protect the safety of employees, continue supplying products and services and safeguard our management resources. Looking back on the Great East Japan Earthquake of March 11, 2011, all divisions and offices of the Renesas Electronics head office conducted a comprehensive review of their BCPs as they existed before that event. Specific issues raised included strengthening our emergency response systems and measures for safety, damage mitigation, business continuity and quick recovery after a

disaster, as well as enhancing measures for restoring operations in the event of a disaster (e.g., establishing recovery procedures and specifying who is in charge at these times), putting in seismic reinforcement, strengthening alternate production networks and enhancing risk communication with customers. Each division or office of the Renesas Electronics head office affected by these issues is working out countermeasures and putting them into practice as part of their new BCPs. They report their progress on these efforts at a Company-wide meeting on overall BCP advancement and carry out these efforts at individual business sites. In these ways, we are working to enhance the entire Group's capacity for business continuity.

### Strengthening the BCP Concept and Working with Customers, before and after the Great East Japan Earthquake

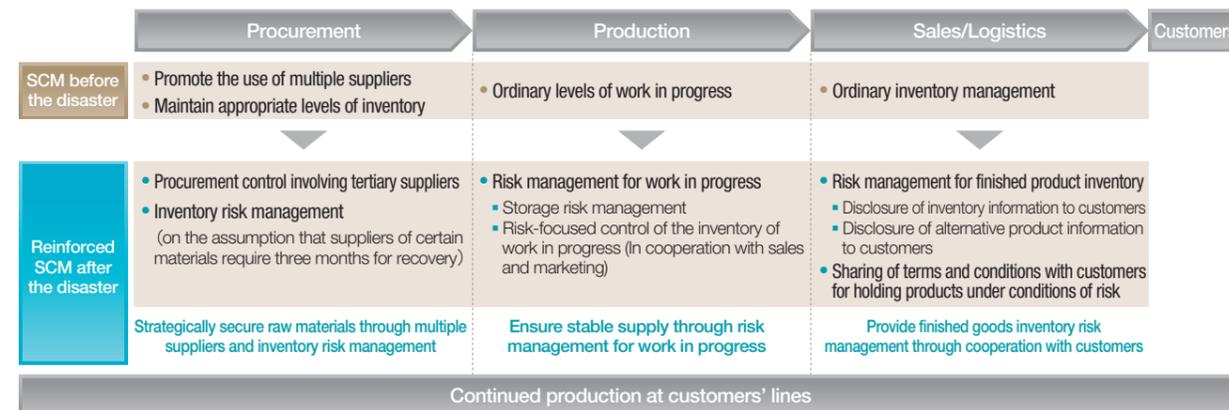


## Strengthening the Supply Chain

The new BCPs include steps to strengthen supply chain management (SCM). In particular, we aim to keep supply lines to our customers open by controlling each step, from procurement to maintaining inventories of work in progress and finished products. We are additionally securing raw materials by dealing with multiple suppliers and managing risk information, in which we forecast supplies all the way down to tertiary suppliers. Putting the lessons of the recent disaster to use, we are setting up a system of risk control over work in progress

storage locations and inventories so that products can ship as soon as disaster-hit factories restart. We are also making preparations so that we will be able to provide products to customers smoothly even if a factory is damaged. This will be made possible by sharing risk information (e.g., whether there are alternative factories for our products, whether there are masks ready to use) and by offering customers a wide variety of options for dealing with their needs.

### SCM Reinforcement Covering Procurement, Production and Sales/Logistics



## Risk Management outside Japan

Risk management outside Japan starts with a risk assessment at each site overseas. Specifically, we work with the division or office in Japan that supervises each overseas site to identify potential risks associated with each risk event. Then, working with the local risk management office, we write a manual covering methods for dealing with those risks. Particularly in China, where we have many manufacturing sites, we are writing better BCPs to deal with natural disasters and new strains of influenza and taking measures that include support for alternate production and parts and materials supply.

The Legal & Compliance Division, in collaboration with related divisions and offices, formulates specific plans for confidential information management and personal information protection. It then makes sure that all divisions/offices and domestic Group companies are carrying out those plans. Persons with ultimate responsibility for information management are designated. Information management promoters are also appointed to assist them and lead up Group information management activities.

Specific methods of controlling confidential and personal information are spelled out in detail in the Basic Rules for Confidential Information Management and Basic Rules for Personal Information Protection. We are also rolling these out to domestic Group companies as we strive to practice appropriate control under a unified standard.

A system is also in place so that if an information security incident does occur, the division or office where it happened immediately notifies all divisions and offices concerned and they all work together promptly to contain any damage and take measures to prevent recurrence.

## Confidential Information Management/ Personal Information Protection

The Renesas Electronics Group has formulated its Information Security Policy and Privacy Policy. Under these policies, important Group policies and measures covering all aspects of information management are deliberated by the Information Management and Security Committee, chaired by the Company's president.

[Privacy Policy \(Website\)](http://www.renesas.com/privacy/)  
www.renesas.com/privacy/

[Information Security Policy \(Website\)](http://www.renesas.com/comp/csr_eco/csr/management/security_policy/index.jsp)  
www.renesas.com/comp/csr\_eco/csr/management/security\_policy/index.jsp

## For Our Customers

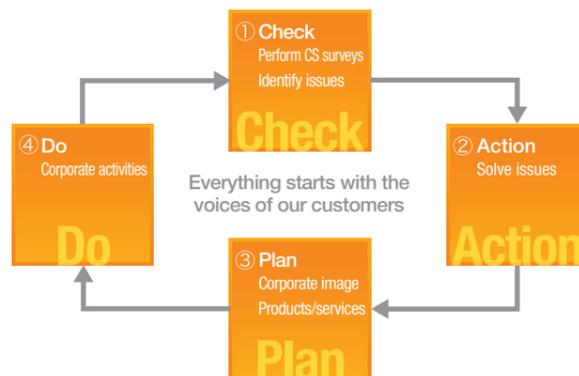
### Stance of the Renesas Electronics Group

One of the basic policies of the Renesas Electronics Group is to maximize customer satisfaction by responding quickly to customer needs and offering appropriate high-grade solutions. In line with this policy, all Renesas Electronics employees in development, fabrication, sales and marketing, and administration are implementing business activities with the Company's customers in mind.

### Seeking Customer Satisfaction Through Company-wide Improvement Initiatives

We believe that customer feedback is a valuable management resource for enhancing customer satisfaction. As a Group-wide initiative, we strive to make improvements so that this management resource can help increase customer satisfaction. The results are reported to upper management and disclosed throughout the Group so that all employees have the same information.

### Customer Satisfaction Management

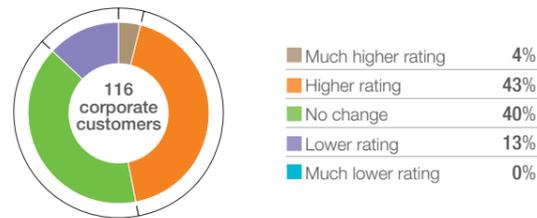


### CS Surveys for Better Customer Satisfaction and Communication

Each year, the Renesas Electronics Group conducts CS surveys, analyzes the results and uses them to improve products, services and business activities. The Great East Japan Earthquake of March 11, 2011, forced us to suspend production for a time, so in fiscal 2012 we took a survey on our post-earthquake response and got responses from 116 corporate customers.

We analyzed the results and comments and are reflecting them in our new business continuity plans (BCPs). We continually communicate with customers to develop the optimal BCP for each one.

### Results of CS Survey on Renesas Post-Earthquake Response (Overall Rating)



### Contact Centers Established for Customers

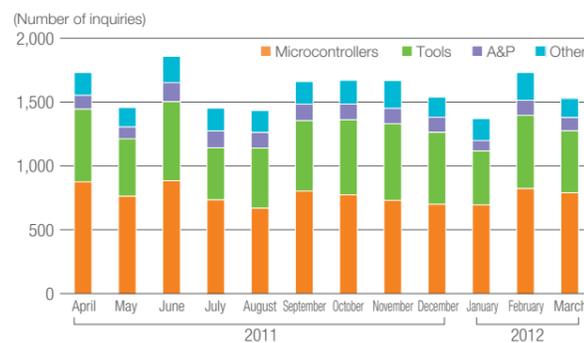
To help customers use the Group's products safely, appropriately and effectively, Renesas Electronics has established Contact Centers. Through these Contact Centers, the Company provides a variety of technical information on its products and their use.

In fiscal 2012, Renesas Electronics received a total of approximately 19,000 customer inquiries. The Contact Centers are working to respond to these inquiries swiftly and accurately.

Opinions, requests and other inquiries received from customers are fed back to related divisions and offices, and these divisions and offices use that information to improve their documentation and the Company's Website. In particular, important matters and other issues that are commonly found in inquiries, are compiled as frequently asked questions (FAQs). The FAQs are posted on the Company's Website, in line with efforts to enhance information disclosure. In addition, the FAQs are updated periodically, and their content is strengthened as needed.

[Support/Design \(Website\)](http://www.renesas.com/support/index.jsp)  
[www.renesas.com/support/index.jsp](http://www.renesas.com/support/index.jsp)

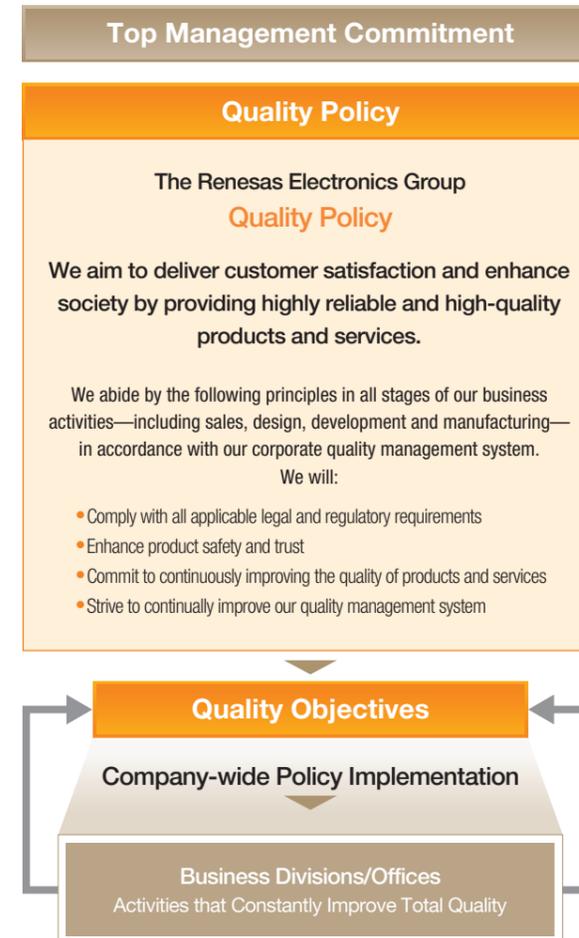
### Fiscal 2012 Inquiries, by Product



### Policy for Product Quality Improvement

In accordance with its Quality Policy, which embodies the Top Management Commitment regarding product and service quality, the Renesas Electronics Group sets quality objectives every fiscal year. To achieve these objectives, divisions and offices in development, manufacturing, and sales and marketing implement activities aimed at constantly improving the total quality of their business processes. Based on these objectives, individual business divisions and offices set prioritized semiannual projects for quality improvement, and they formulate and implement action plans to accomplish these projects. The progress of these action plans is checked at the end of each six-month period, and the action plans are reviewed and adjusted as necessary. Through this cycle, we are implementing action plans strategically.

### Quality Policy Implementation Process



### Quality Assurance Systems

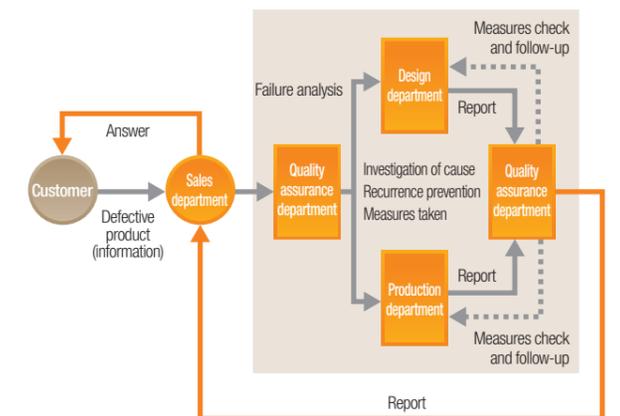
The Renesas Electronics Group has quality assurance systems Group-wide, which we use from development to production and delivery. This way we are able to provide high-quality, reliable products and services for greater CS. For example, we supply products to many companies involved with automobile production. In view of this, we use manufacturing tools that conform to automobile sector standards. Through such activities as these, we are continuing to improve the quality of our products and services so that we are always able to accommodate the specific requirements of our customers.

We also integrate our quality systems. The Renesas Electronics Group has acquired ISO9001 quality management system certification on a Group-wide basis. In the meantime, individual manufacturing sites and their support sites have acquired ISO/TS16949 automotive quality management system certification.

### Studying Defective Products and Taking Corrective Action

If a defective product is shipped, the quality assurance department leads an effort to determine the cause and take necessary corrective measures. The quality assurance department tracks defects found by customers based on information from sales departments, and uses a variety of measuring and analysis instruments to determine the causes of defects. Design, production and other concerned departments help take the necessary corrective measures, based on study results, and those results are reported to the customer.

### Defective Product Inquiry Flow



## For Our Customers

### Initiatives for Each Process

The Renesas Electronics Group is working constantly to improve the total quality of its products and services by setting quality indices for each development, manufacturing, and sales and marketing process. The Group also cooperates with industry association to improve its quality management systems so that the quality of its products can be assured even after application by customers. These activities are complemented by our product safety risk assessment, enabling us to comply with various laws and regulations. In this way, the Group is promoting the development of products that are safe and reliable.

#### • Development Process

The Group is working continuously to develop advanced design and testing methods and sophisticated evaluation technologies. These methods and technologies are required to respond to increasingly delicate product design rules attributable to the miniaturization of transistor dimensions and large-scale circuit integration. Meanwhile, the Group utilizes design reviews (DRs), which are conducted at each key stage of the development process, to better focus on design changes and modifications. Moreover, with the aim of improving the quality of our software products, we are advancing efforts to standardize our software design methods, while promoting advanced project management.

#### • Manufacturing Process

To ensure stable production of semiconductors, the Group is making constant improvements based on "4M" (Man, Machine, Material and Method) management. At the same time, the Group is promoting quality, focused manufacturing activities, which are underpinned by scientific process management and improvement activities at manufacturing frontlines. These activities are implemented at the Group's business sites around the world. In

addition, we are managing the quality of our semiconductors comprehensively to ensure that defective products do not leave our manufacturing sites. This capability has been achieved through procedures to detect and correct defects at an early stage in the manufacturing process.

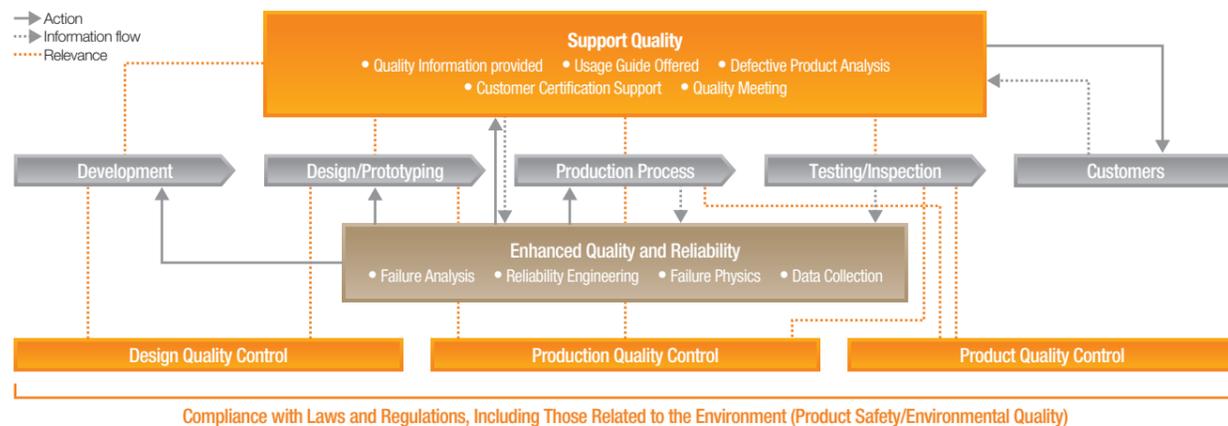
#### • Customer Support Process

The Group supports its customers throughout the entire production process—from system development to distribution and maintenance—by effectively providing product information and solutions. In addition, we have established a system that allows us to efficiently respond to customer inquiries so that they can use our products with confidence. As such, we are striving to improve the quality of our support services.

#### • Product Safety

To promote the safe use of its products by customers, the Group undertakes various activities, including the preparation of appropriate product specifications and the provision of documents with accurate technical information, as well as information pertaining to compliance with environmental laws and regulations.

### Quality Assurance Systems



### Product Environmental Quality

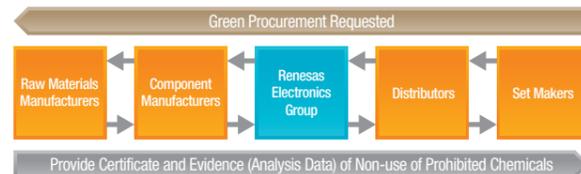
At Renesas Electronics Group, we believe that product chemical substance management in all processes, from material selection during design and development to preventing pollution during manufacturing process, requires working with the entire supply chain. Thus we have our suppliers certify that their products do not contain prohibited substances and provide analysis data. We also conduct supplier audits to confirm their management systems. We additionally ask our sales companies and agents to manage chemical substance they use in their packing materials.

We also provide information on the chemical substances and RoHS Directive\*/prohibited substance analysis data to our customers so that they can use our products with confidence.

Moreover, we allow customers to confirm the Group's management system for chemical substance and the actual activities.

\*RoHS Directive: A European Union directive limiting the content of specified hazardous substances (lead, mercury, cadmium, hexavalent chromium and brominated flame retardants PBB and PBDE) in electric and electronic devices

#### Product Chemical Content Control Throughout the Supply Chain



## For Our Shareholders/Investors

### Current IR Initiatives

Investor relations (IR) refers to a company's initiatives to provide shareholders and investors with the corporate information they need to make investment decisions, and to provide it in a timely, fair and ongoing manner. This means more than just offering financial information; it means that management really communicates with capital markets and stakeholders. This has become more crucial than ever. Moreover, the attitude that enterprises have toward IR is changing radically, from legally required and systematic disclosure to voluntary and self-directed disclosure. And as information disclosure tools (e.g., the Internet) develop, enterprises are expected to disclose useful information to a wide range of stakeholders more quickly.

### Basic IR Policy

Following the Renesas Electronics Group CSR Charter, we conduct our business activities fairly, sincerely and transparently and endeavor to actively disclose the nature of those activities to all stakeholders. The purpose of our IR is to ensure that shareholders and investors appropriately assess our corporate value. To that end, we provide them with the information they need to make investment decisions, and we do so in a timely, fair and ongoing manner. We moreover proactively enhance two-way communication with shareholders and investors.

### IR at the Renesas Electronics Group

In light of our IR goals, we feel an obligation to provide shareholders, investors and securities analysts with information on our business, finances, strategies and other important matters in readily understandable form. We work to increase opportunities for top management to speak directly to these parties, for example at our general meeting of shareholders or during results briefing sessions. We furthermore aim to convey important management information in a timely, fair, ongoing and readily understandable manner and are therefore enhancing our IR Web page. At the same time, we put shareholder, investor and securities analyst evaluations and opinions to use improving our business activities by sharing that information internally, including with top management.



Results briefing session

### Communication Using Information Disclosure Tools

The Renesas Electronics Group uses a variety of tools to disclose information so that shareholders and investors will know us better. We send news and business reports to shareholders at the intermediate and annual settlement of accounts, and we publish our annual report in both Japanese and English. Additionally, the publications just mentioned, along with securities reports and other information, are posted on our IR Web page as PDF files. Materials related to our settlements of accounts, including the earnings summary and presentation, are posted online promptly after results are announced.



Shareholder news, annual report

### Fiscal 2012 IR Calendar

	First quarter			Second quarter			Third quarter			Fourth quarter		
	April	May	June	July	August	September	October	November	December	January	February	March
Announce financial results		Fiscal year			First quarter		Second quarter			Third quarter		
Shares			Annual shareholders meeting									
Other			Business report		Business policy overview		Annual report		News to shareholders			

\* Annual report published in October due to the impact of the Great East Japan Earthquake

## Working with Suppliers

### What Society Needs from Us

We work to ensure a stable supply of products to customers by conducting CSR activities throughout the supply chain. We keep close ties with our suppliers so that transactions are fair and so that we can procure eco-friendly materials and equipment.

### Procurement Policies

Renesas Electronics provides suppliers with equal opportunities for competition, while engaging in fair, impartial and open business transactions. In addition, Renesas Electronics has always given priority to "Green Procurement," which essentially means purchasing materials, equipment and services having minimum impact on the environment from suppliers who give extra consideration to environmental issues. The Company also undertakes extensive CSR activities throughout the entire supply chain by incorporating compliance, risk-management and human-rights-protection perspectives into its environmental approach. We understand that cooperation of all the partners involved in our supply chain, as well as close collaboration with these partners, is the key to successfully conducting these activities.

### Procurement Policies

#### 1. Provision of opportunities for fair competition

We provide information on procurement in an appropriate and timely manner in order to offer opportunities for fair competition to all domestic and overseas companies who express an interest in working with us.

#### 2. Fair evaluation and selection of suppliers

We employ a comprehensive supplier evaluation and selection process that considers: the reliability of the potential supplier's management; the prices, quality, delivery timelines and advanced technical features of the products and services to be procured; and the supplier's CSR policies.

#### 3. Development of mutual trust

We value communication with our suppliers and always strive to form relationships of mutual trust that will grow stronger in the years to come.

#### 4. Management and protection of information

We recognize the value of the information that we obtain through our procurement transactions, and we manage it appropriately.

### CSR Procurement Initiatives

Renesas Electronics has established several CSR initiatives that we hope our suppliers will follow, including "Practice social responsibility to protect the environment," "Practice social responsibility for fair business and corporate ethics," "Practice social responsibility for quality and safety," "Practice social responsibility for information security," "Practice social responsibility for health and safety," and "Practice social responsibility for human rights and labor." We ask our suppliers to work with us to advance these goals.

### Promoting Green Purchasing

Renesas Electronics is promoting green procurement. Specifically, the Company prioritizes the procurement of eco-friendly raw materials and other materials free of hazardous substances from suppliers who are proactively promoting environmental protection. Requirements for suppliers have been compiled as Green Procurement Guidelines. These guidelines are disclosed to all suppliers. In addition, Renesas Electronics conducts periodic investigations on the environmental measures implemented by suppliers. Furthermore, the Company performs examinations of suppliers' products to confirm that these products comply with the European Union's RoHS Directive\* and other environmental laws and regulations. These examinations are promoted based on the understanding and cooperation of our suppliers.

We also practice green purchasing of goods such as office supplies and IT equipment. When we select such goods, we give preference to eco-friendly products based on the environmental burden data for each item. Our green purchasing rate in fiscal 2012 exceeded 80%, more than meeting our target (75%).

\*RoHS Directive: A European Union directive limiting the content of specified hazardous substances (lead, mercury, cadmium, hexavalent chromium and brominated flame retardants PBB and PBDE) in electric and electronic devices

 [Green Procurement Guidelines \(Website\)](http://www.renesas.com/media/comp/eco/green/guideline_en.pdf)  
[www.renesas.com/media/comp/eco/green/guideline\\_en.pdf](http://www.renesas.com/media/comp/eco/green/guideline_en.pdf)

### Initiatives Against the Conflict Minerals Problem

In the Democratic Republic of the Congo and some of its neighboring countries in Africa, several minerals are a revenue source for armed groups and may lead to violations of human rights and the prolonging of conflicts. The US passed the Dodd-Frank Wall Street Reform and Consumer Protection Act in July 2010, in part due to such concerns. It requires public companies to disclose information about their use of conflict minerals (gold, tantalum, tungsten, tin, etc.). The Renesas Electronics Group has no intention of being complicit with violations of human rights. We are working to eliminate conflict minerals from our supply chain and are procuring mineral resources responsibly.

### BCP Initiatives with Suppliers

Renesas Electronics requests that its suppliers notify it immediately in the event that they are affected by natural disasters or major accidents. The Company has a system in place to ensure that, in such an event, information from suppliers reaches all concerned employees, both in Japan and overseas, regardless of when the event occurs. Based on this system, the employees in question take appropriate measures in a swift manner.

### Communication with Suppliers

Smooth communication with suppliers is essential for Renesas Electronics Group business activities. Suppliers keep us informed about trends in the electronics industry and their own industries and provide valuable suggestions to the Group for the development of society.

### Collaborating with Sales Partners

In order to provide more meticulous service in regions throughout Japan and around the globe, Renesas Electronics is promoting sales activities in cooperation with sales partners, in addition to carrying out direct sales of its products through its local sales subsidiaries. Specifically, in Japan Renesas

#### Comment from a Distributor

#### Jun Wakamiya

Director of Quality Safety, & Environment Control Office/Compliance Office, Tachibana Eletech Co., Ltd.

My company practices CSR based on corporate governance to pursue sustainability and increase stakeholder satisfaction. Compliance, risk management and quality, safety and environmental management are at the core of our initiatives. We provide original training with a particular focus on raising compliance awareness, using case studies from our own company. We have established a disaster BCP to give our customers and all other stakeholders safety and a feeling of trust. One environmental initiative is to respond flexibly and provide product chemical content information to customers when they ask for it. This is how we are working with Renesas Electronics as a sustainable enterprise to increase customer satisfaction and contribute to society.

#### Comment from a Distributor

#### Masakazu Horinouchi

Project Manager, 1st Renesas Electronics Semiconductor Marketing Department, 1st Semiconductor Business Headquarters, Ryosan Company, Limited

As an electronics system coordinator, we at Ryosan Company, Limited have an information function, technical solutions function and distribution function. Through these roles, we contribute to customers' product development and meet customers' various needs. Above all, we share the latest information and news about problems with Renesas Electronics, our largest supplier of products, based on each business division's policies, so that we can provide customers with optimal solutions. We meet regularly to discuss specifications for the next generation of products and we work diligently every day to meet our aim of providing customers with ideal products superior to those of the competition.

Electronics holds meetings with executives of distributors at least twice a year. At these meetings, we share the Company's policies and the policies of each business unit, while exchanging opinions and information. Furthermore, the Company holds working-level meetings with distributors' staff members once a month to provide information regarding future product lineups and technologies. In this way, we continue to strengthen mutual understanding. Outside Japan, Renesas Electronics holds "Distributor Meetings" at least once a year and management-level quarterly review meetings with distributors in order to confirm local sales policies and business continuity plans (BCPs), and solve region-specific problems in an effective manner. The Company also holds frequent regular meetings with sales personnel to tackle individual business issues that arise in the course of their operations. In addition, content and outcome of the meetings with distributors held in Japan is shared with their local subsidiaries, and such information is deliberated upon at regular meetings to solve region-specific issues. Meanwhile, the Company uses opinions and feedback provided by its overseas sales partners through these meetings to promote deeper understanding of its technologies, products and solutions among customers. More specifically, we hold regular semiconductor seminars in Tokyo, Osaka and other locations in Japan several times a year while staging the Renesas Developers' Conference (DevCon) in the United States and the Industrial Open Day (IOD) in Europe once every two years through collaboration with our overseas sales partners. As explained above, the Renesas Electronics Group is constantly strengthening its sales partnerships to strategically enhance its sales activities.

## Working with Employees

### Respecting Human Rights

Both the Renesas Electronics Group CSR Charter and the Renesas Electronics Group Code of Conduct clearly state that the Renesas Electronics Group will respect human rights in hiring, human resources development, employee treatment and all other aspects of employment, while eliminating any discrimination based on race, belief, gender, age, social position, family origin, nationality, ethnicity, religion, or physical and mental disability, to ensure that all of its employees are treated equally. Also, the charter and the code of conduct clearly prohibit sexual harassment, as well as forced labor and child labor. Since March 2008, we have also endorsed and participated the United Nations Global Compact for business operation with a strong sense of ethics in accordance with international guidelines. As we promote global operations, we ensure that all of our Group companies are familiar with these principles. In line with the principles, each Renesas Electronics Group company must not only comply with relevant laws and regulations, but also implement educational and awareness-raising programs on human rights and other related subjects.

More specifically, the Group has established a Company-wide Human Rights Awareness Committee, which is chaired by the director in charge of human resources and includes general managers of individual divisions and offices. This committee holds meetings twice a year, and at these meetings committee members deliberate on and approve related action plans while promoting the implementation of these action plans. In addition, the committee works to raise employee awareness of human rights through new employee and position-specific training programs, e-training programs for all employees, and various events held during Human Rights Week every year.

Meanwhile, the Group is striving to prevent sexual harassment by raising employee awareness through the presentation of specific examples. Also, we have launched an in-house service for consultations on equal treatment and other issues. Posters are put up on bulletin boards to inform employees of this service. In this way, we are endeavoring to create an environment that facilitates consultation and enables appropriate responses to employee concerns.

### Promoting Diversity in Human Resources

The Renesas Electronics Group is strengthening initiatives to promote human resource diversity. It is, without question, important to recruit people so that they can—regardless of nationality, gender or physical constitution—apply their individual abilities and contribute to society. This is a prerequisite for every company. Furthering this idea, the Group continues to create employee-friendly, pleasant workplaces by placing particular focus on human resource diversity. For example, we are promoting the hiring of more female employees and people with disabilities.

As of March 31, 2012, the rate of employment of people with physical disabilities by Renesas Electronics stood at 1.99%, compared with the 1.8% threshold set by the government. The entire Renesas Electronics Group is steadily increasing the employment of physically disabled persons. To create workplaces friendly to them—in other words, to allow them to use facilities within the Company's offices and other business sites with ease—the Company is considering the development of barrier-free environments through new construction and renewal projects.

Rate of employment of people with physical disabilities



### Balancing Work and Private Life

With the aim of supporting employees in balancing their work and private lives while realizing their full abilities at work, Renesas Electronics carries out various family support measures. These measures are implemented in the form of flexible work conditions, leave systems and benefit plans. For example, our employees are allowed to use their paid holidays for various purposes, such as attending volunteer activities, receiving medical care for injuries and diseases and participating in school events with their children.

We have also been praised for a work system that enables these diverse working styles, for improving our childcare program and for providing an environment that facilitates child-care leave. In 2007, the Ministry of Health, Labour and Welfare certified us as a business seeking to support the fostering of a new generation, giving us the Next-Generation Certification Mark, or "Kurumin."



Kurumin mark

People Using the Childcare Leave Program

		Fiscal 2010	Fiscal 2011	Fiscal 2012
Number of people using childcare leave	Men	2	2	3
	Women	54	147	154
	Total	56	149	157

### Human Resources Development and Education Programs

In order for a company to achieve sustainable growth and contribute to society, all of its employees must grow and be active. Renesas Electronics has defined the type of person we need and has a training system to help people achieve this image. Renesas Electronics has established a Company-wide Human Resource Development Committee, which meets twice a year, to promote human resource development on a Group-wide scale. The committee discusses human resource development initiatives on a global level that are intended to help the Group accomplish its Corporate Philosophy and Corporate Vision and allow Group employees to match the image of the human resources we need. It also allocates budget funds to these initiatives. In line with the rapid globalization of the Group's business, it is increasingly necessary to establish ever closer communication with overseas customers and subsidiaries. In response, Renesas Electronics has promoted various measures to allow all executives and employees to improve their communication skills in English—still a standard language used in business worldwide. For example, executives and employees are required to take TOEIC exams and the Company encourages them to set target scores. Prior to the exams, the Company also provides seminars on English study methods to

help them reach these targets. In addition, the Company offers a wide variety of self-development education programs aimed at enhancing the English abilities of its personnel. In addition, each of our sites has established its own Human Resource Development Committee. These committees promote measures specific to their operations and responsibilities in accordance with the policies formulated by the Company-wide Human Resource Development Committee.

#### Required Human Resources



#### Company-wide Training Programs

	New Employees	Project Managers to Project Leaders	Section Chiefs	Managers and above
Position-Specific Training	New employee training First-year review training Training outcome reporting Second-year employee interview	Mentor introductory training New section chief training Trainers' training	New section chief training Workplace skill building training Advanced section chief training	New manager training Advanced manager training MOT training Executive manager training
Skills Training	Technology Training Basic course Patent training	Specialized courses (approx. 100 courses), skills check trials, system/embedded software training, digital circuitry training, analog circuitry training, system LSI design/comprehensive fabrication training		
	Sales Training Sales case-study training, practical sales training, sales skills training, technical knowledge training (approx. 60 courses), negotiation skills training, customer support skills training			
	Technical Training New core staff training	Fabrication leader training, maintenance engineer training, in-house skills test		
International Training	Study-abroad program, OJT, overseas expatriate program		Advanced English education, in-house English test	
Business Skills Training	Schooling support (universities, business schools, etc.), logical-thinking/presentation training			
General Training	RISM training*, library of books recommended by executives, CSR education			
Self-awareness Support	Corresponded learning (language, skills, qualifications)			Language training (English, Chinese)
Career Development Support	Career training			

\*RISM training: Renesas Innovation & Strategy Meeting

### Communicating with Labor Unions

Renesas Electronics holds labor-management meetings twice a year with the Renesas Electronics Labor Union, to which its employees belong, to exchange frank opinions on management policies and business conditions. In addition, committees consisting of employee and management representatives are promoting activities aimed at preventing long working hours, improving working conditions and supporting the development of employees who will play an important role in achieving the

future growth of the Company. In this way, Renesas Electronics is helping to build stable labor-management relations.

Similar efforts are being made between labor and management at Group companies in Japan. At overseas Group companies, management teams exchange opinions on working conditions and other matters with workers' union representatives or employee representatives based on laws and regulations in their respective countries.

## Working with Employees

### Occupational Health and Safety/Mental Health Management

#### Basic Policy

In line with the basic policy, "Renesas Electronics shall protect the safety and health of its employees and work to realize employee-friendly, safe workplace environments," the Company is implementing various measures.

#### Occupational Health and Safety

The Renesas Electronics Group has set the protection of employees' safety and health and the creation of rewarding, employee-friendly workplace environments as the basis of its corporate activities. Accordingly, the Company is promoting various activities aimed at ensuring occupational health and safety. More specifically, a Company-wide Safety and Health Conference—consisting of occupational health and safety officers at individual business sites and Group companies—has formulated the Renesas Electronics Group Disaster Prevention and Occupational Health and Safety Management Policy. Based on this policy, the occupational health and safety

officers organize related activities. Meanwhile, the Company is promoting the sharing of information related to occupational health and safety within the Group. Such information is utilized to prevent disasters and reinforce the Group's occupational health and safety activities.

Specific activities to ensure occupational safety include risk assessment conducted by employees. Through risk assessment processes, disaster risks are identified, and possible countermeasures are prepared. These processes are helping us prevent disasters and accidents. Group factories with production lines have already received OSHMS (Occupation Safety and Health Management System) certification.

The Naka Factory sustained significant machinery and equipment damage in the Great East Japan Earthquake, but personal injury was very minor thanks to everyday safety measures and evacuation drills.

In the area of occupational health, we are strengthening activities primarily aimed at fostering mental health, safeguarding against overwork, and maintaining and improving health.

### Mental Health Management

We live in a high-stress society. In such a society, it is important to maintain not only physical health, but also mental health. In view of this, the Renesas Electronics Group considers measures to promote mental health as a paramount management issue and is consequently promoting various activities in this regard.

Specifically, Renesas Electronics has established consultation windows available to all employees who seek diagnosis and counseling by industrial physicians, occupational health nurses and contract counselors. Also, in cooperation with occupational health staff, the Company provides support to employees who have taken long-term leaves due to mental health problems to enable them to return to work.

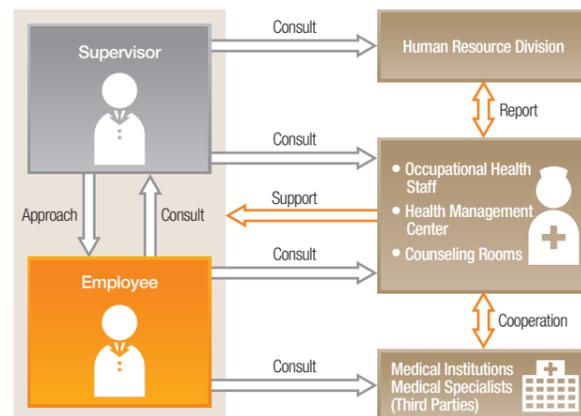
The Company periodically offers mental health education programs to managerial employees as part of efforts to establish a mental health management structure based on lines of command. Through these educational programs, managerial employees strive to raise their own awareness of workplace mental healthcare. At the same time, managerial employees work to promote mental self-care among their subordinates by, for example, encouraging the use of a simplified stress check system. Also, the Company includes subjects related to mental health in various training programs. Through these initiatives, Renesas Electronics is endeavoring to remain a company where all employees can better maintain their health and work with vigor and enthusiasm.

In addition, the Company has established consultation windows for employees who have been assigned to overseas

locations and their families in the belief that working and living overseas may entail a significant mental burden. When these employees and their families return to Japan, we provide them with opportunities to receive both physical and mental health checkups.

We will continue to implement measures that enable the early detection and treatment of mental health problems, while reinforcing activities aimed at preventing such problems in employees.

#### Mental Health Consultation Mechanism



## Working with the Local Community

### What Society Needs from Us

Social contribution activities have become more than just philanthropy in recent years. They are in fact one of the most important business activities for enhancing corporate value. Businesses, moreover, are expected to do more than make a profit; they also have to help change society for the better.

By taking part in social contribution activities, employees become better people, with heightened sensitivity and a wealth of good ideas. As their motivation to work increases, they are also likely to give the enterprise a major boost of energy.

The Renesas Electronics Group's Basic Policies for Social Contribution Activities are as follows.

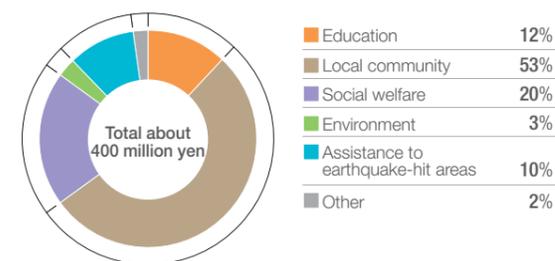
#### Basic Policies for Social Contribution Activities

1. As a good corporate citizen, the Renesas Electronics Group will work to preserve the global environment, which is closely related to the sustainability of the semiconductor industry, and make meaningful contributions to society.
2. As it pursues business on a global scale, the Renesas Electronics Group will promote social contribution activities that help to improve its corporate image.
3. The Renesas Electronics Group will implement social contribution activities through cooperation with its stakeholders in order to enhance its brand value.

### Fiscal 2012 Results

The Renesas Electronics Group has endorsed the objectives of the 1% Club, established in November 1990 by KEIDANREN (the Japan Business Federation). Endorsing businesses voluntarily contribute at least 1% of their recurring profits to social contribution activities. As one of these businesses, we have been proactively pursuing social contribution activities in a number of fields.

#### Fiscal 2012 Financial Support for Social Contribution Activities



### Stance of the Renesas Electronics Group

The Renesas Electronics Group follows a Corporate Philosophy that states, "Harnessing our collective expertise in new technologies, Renesas Electronics contributes to a world where people and the planet prosper in harmony by realizing our vision and building our future." As such, we aim to help build a rich society on a global scale through our business, and we have taken a variety of opportunities to implement social contribution activities.

Thinking of ourselves as a member of society, we proactively engage in social contribution activities and offer programs that make it easy for employees to participate in them so that, as a corporate citizen, we can fulfill our responsibility to the community and society.

### Activities in Japan

#### Support for the Education of Coming Generations (Working with the Micom Car Rally)

The Renesas Electronics Group has supported Micom Car Rally events for 17 years to foster a new generation of engineers. Rallies include the Japan Micom Car Rally, which is mainly for technical high school students, and the Renesas Micom Car Rally, open to a wider range of participants from all generations. This activity has spread outside Japan to places like China and Vietnam. Mini Micom Car-Making Classes have taken place since 2002 to introduce elementary and junior high school students to the joy of craftsmanship and to stimulate their interest in science and engineering. Participants build and program their own mini micom cars and enter them in a competition.

Official Micom Car Rally Website  
[www.mcr.gr.jp/](http://www.mcr.gr.jp/) (Japanese language only)



## Working with the Local Community

### Developing Kids through Sports

#### Softball

The Takasaki Factory hosted Softball Festa 2011 on November 19. About 700 people participated, including local community members, softball teams from elementary and junior high schools in Takasaki City, and people associated with the Renesas Electronics Group. The theme this year was to support recovery efforts in the Tohoku Region. Fees for setting up vendor booths and event participant fees, for example, were donated to that cause. Area elementary school children came to watch practices, and a softball clinic was held for elementary and junior and senior high school students from Iwaki City, Fukushima.

On October 2, the Saijo Factory hosted a softball tournament to help increase the number of elementary school softball players. All together, 18 teams took part in the heated competition, which drew participants from Ehime and Kagawa prefectures.

Renesas Yamagata Semiconductor, with the Tsuruoka City Board of Education and the local softball association, held a softball clinic on July 3. Four players from the Renesas Electronics Takasaki Women's Softball Club helped lead.



#### Badminton

The Renesas Badminton Club, from Renesas Semiconductor Kyushu Yamaguchi, held three training sessions in fiscal 2012. About 180 children took part. In August it conducted a nationwide elementary school student selection and training camp, which drew attendance from 60 fifth- and sixth-graders around Japan as well as members of the national team. Though the camp was short, it was a rich experience for the children.

Kochi Factory held the 27th Renesas Cup Kochi Kuroshio Hotel Badminton Tournament on January 21. It took place at two sites: the Kochi Prefectural Youth Center in Konan City and Noichi General Gymnasium. The tournament was meant as a brand-boosting activity. Hosted by the badminton club of Wakashiokai (an employee friendship organization), this event is held twice a year for beginner and intermediate level clubs in Kochi Prefecture.



### Factory Tours for Families and Friends (Kofu Factory)

The Kofu Factory hosts tours each year for families and friends of employees. In fiscal 2012 the factory welcomed a total of 107 visitors on two tour dates: July 27 and August 11. This time, the tours also highlighted energy-saving and environmental measures, which both children and adults found fascinating.



### Community Events with Orchestral Music (Renesas Semiconductor Kyushu Yamaguchi, Kumamoto Kawashiri Factory)

Every March since 2002, the orchestra at Renesas Semiconductor Kyushu Yamaguchi's Headquarters & Kumamoto Kawashiri Factory has taken part in a regular concert cosponsored by the Kawashiri Kogei Kaikan in Minami-ku, Kumamoto City and by the local town government. In 2011 it performed a spring medley, a collection of Kyu Sakamoto songs, and hits popular with children at the time. It closed with the song "Believe," performed jointly with a local elementary school student chorus. The orchestra also performs at homes for the elderly in Kumamoto City.

### Participation in Horseshoe Crab Expedition (Saijo Factory)

As part of its social contribution activities, 15 members of the Saijo Factory took part in a "horseshoe crab expedition" July 30 at Kwarazu Beach, sponsored by the Saijo City Board of Education. The group cleaned up the beach, looked for good tidal flats and released young horseshoe crabs there. The Saijo Factory also provided horseshoe crabs it had been raising on its premises for three to five years.

Kwarazu Beach, which has large tidal flats at low tide, is a good place for horseshoe crabs and other seashore animals. Children at the event were thrilled to find such unusual species as seahorses and pipefish.



### Renesas Forest Land 2011 (Kochi Factory)

The Kochi Factory hosted Renesas Forest Land 2011. The event, held for the fifth time, took place at a community center in Kahoku Town, Kami City, Kochi on October 15.

That day, a total of 90 people, including Kochi Factory employees, family members, local elementary school students and others, took part in such events as a forest quiz, log sawing competition and the making of plaques and other wooden crafts.

### Activities Overseas

#### Soccer Camp Support (Germany)

As part of its contribution to the community, Renesas Electronics Europe donated 525 euros to a children's soccer training camp given by the club DJK Agon 08 from Dusseldorf, where the company is located. In 2011, a total of 160 children participated. Perhaps a future Bundesliga (major league) soccer player will appear from this camp.



#### Support for Dusseldorf International British Library (Germany)

Elizabeth Neill, an employee of Renesas Electronics Europe, has served with devotion and passion as the director of the International British Library. She has worked tirelessly in that position since 1998 and the library remains open today as a result.

In appreciation of her many years of devoted service, Renesas Electronics Europe became a sponsor of the library and donated 2,000 euros.



### Mangrove Planting Program (Malaysia)

Renesas Semiconductor (Malaysia) Sdn. Bhd. held an event to plant 500 mangrove trees on October 22. Eighty employees helped plant seedlings during the event held in a southern Penang wetland. As in the preceding year, the Penang Inshore Fishermen Welfare Association helped put on the event. Fifteen local junior high school teachers and students also took part. After participants finished planting, they went to the site of the previous year's event and observed that the mangrove trees there had grown considerably. Activities like these give employees and local students a chance to remember the importance of environmental protection and the key role mangroves play in the ecosystem.



### Semakau Landfill Cleanup (Singapore)

Renesas Electronics Singapore Pte. Ltd. has been doing cleanups at the Semakau Landfill every year since 2008. Access is usually limited, but the company receives permission from the National Environment Agency. The landfill is offshore, so a great deal of floating debris ends up on the beach. The volunteers spent half a day cleaning up 500 m of shoreline, in spite of the mosquitoes. They collected 13 bags of litter, as well as about 100 kg of floating debris.



### Food Bank Support (USA)

Renesas Electronics America legal department members sorted and delivered food for disadvantaged families on October 18 as part of a drive by the Second Harvest Food Bank of Santa Clara and San Mateo Counties. The company and its employees additionally donated about \$2,000 and 149 pounds of food to the Second Harvest Food Bank.



# Environmental Report

## Renesas Electronics Group Environmental Measures

### Stance of the Renesas Electronics Group

The worldwide increasing concern for the environment in recent years has spawned an international discussion which has prevented globe from climate warming and chemical waste materials pollution.

Meanwhile, the relationship between energy generation and environment burden has increasingly become important. For example, due to the high working ratio of domestic thermal power plant which is alternative means for unavailable nuclear plants, CO<sub>2</sub> emissions are inevitably rising.

The Renesas Electronics Group is working to reduce the environment burden of our business activities by setting targets according to relevant electrical industries' target. We also develop and offer products with outstanding energy performance to contribute our customer's environmental product function.

Group environmental activities are deliberated by the CSR Promotion Committee, consisting of the President and other top management. All initiatives, including the environmental policies and plans decided by the committee, are notified to the Group through Environmental Promotion Meeting chaired by the board member in charge of environmental issues.

### Environmental Policy

We will contribute to the harmonization of society and the environment in the course of our business activities.

#### Action Guidelines

1. We will incorporate environmental considerations into all stages of the product life cycle, including research & development, design, procurement, production, sale, logistics, use and disposal.
2. We will strive to prevent pollution as well as to minimize the impact of our products on the environment. When environmental problems arise, we will take appropriate steps to minimize the environmental impact and disclose accurate information.
3. Our environmental management efforts will involve compliance with all environmental laws, regulations and agreements, and we will promote compliance activities.
4. We will disclose environmental information to stakeholders and encourage communication with society for the purpose of promoting mutual understanding.
5. We will educate all employees in environmental conservation to create a company culture that promotes harmony between the environment and business activities.

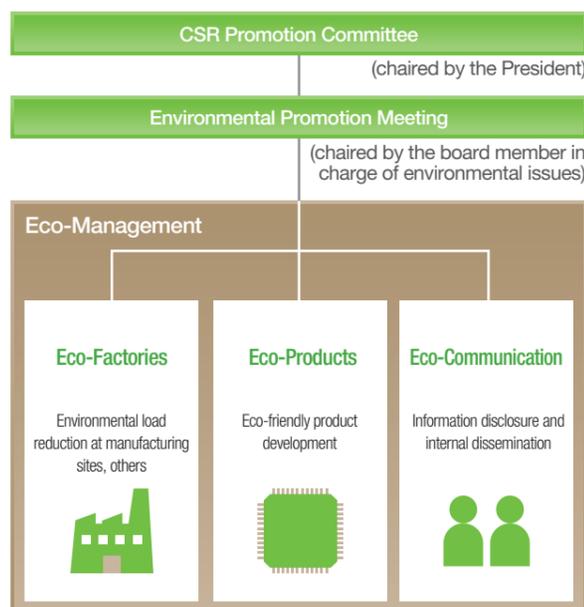
### Three Environmental Cornerstones of Renesas Electronics

Some of the key issues in our environmental measures are 1) legal compliance, 2) reduction of environmental burden, 3) the development of eco-friendly products and 4) maintaining good relations with stakeholders.

We are tackling these issues through environmental management, in which all employees participate. Such management is based on a so-called Eco-Management system built on the cornerstones of the Eco-Factories, Eco-Products and Eco-Communication initiatives.

- **Eco-Factories Initiative:** Aimed at reducing the environmental impact of manufacturing sites through the reduction of greenhouse gasses (GHG) and the appropriate management of chemical substances in manufacturing processes
- **Eco-Products Initiative:** Aimed at supplying eco-friendly semiconductors produced with environmental considerations in mind throughout their lifecycles, including the control of chemical substances contained in products and the development of products with excellent energy-saving performance
- **Eco-Communication Initiative:** Aimed at strengthening employee awareness through environmental education and disseminating the Group's environmental information to society

#### Three Environmental Cornerstones + Eco-Management



### Fiscal 2012 Initiative Results and Fiscal 2013 Targets

Item	Fiscal 2012 Plan	Fiscal 2012 Results	Evaluation	Fiscal 2013 Plan
Eco-Management	• Organize environmental management system (EMS)	• Integrated EMS at three Renesas Electronics headquarter sites	◎	• Integrate EMS at five Renesas Electronics headquarter sites
	• Enhance internal environmental audits	• Conducted internal audits at 12 business sites	◎	• Promote integration of ISO14001 certification of manufacturing sites
Eco-Factories	• Reduce CO <sub>2</sub> emissions (65% or less per unit of actual production volume compared to fiscal 1991)	• 63.7% <sup>*1</sup>	◎	• CO <sub>2</sub> emissions reduction (per unit of actual production volume) 65% or less
	• Continue to replace specified CFC refrigerants	• Continue	—	• PFC <sup>*2</sup> emissions reduction
	• Landfill disposal ratio of less than 1%	• 0.26%	◎	
Eco-Products	• Promote product environmental assessment during design	• Promoted unification of assessment techniques	◎	• Establish eco-friendly product verification system
	• Deal with substances subject to legal and voluntary regulations	• Dealt properly with Japanese and foreign regulations and Japanese legal revisions	◎	• Deal with substances subject to legal and voluntary regulations
Eco-Communication	• Issue environmental report, expand web information	• Issued environmental report, expanded web information	◎	• Issue environmental report
	• Expand basic environmental education	• Enhanced position-specific education	◎	• Enhance environmental education materials
	• Continue environmental and social contribution activities	• Activity implemented (Please refer to pages 29-30)	◎	• Continue environmental and social contribution activities

\*1: Using emissions coefficient at time of calculation of fiscal 2011 results

\*2: PFC (perfluorocompound): The semiconductor industry has specified CHF<sub>3</sub>, CF<sub>4</sub>, C<sub>2</sub>F<sub>6</sub>, C<sub>3</sub>F<sub>8</sub>, C<sub>4</sub>F<sub>8</sub>, SF<sub>6</sub> and NF<sub>3</sub> for emissions reduction.

### Message

from Board Member in Charge of Environmental Issues

#### Contributing to Stakeholders through Eco-Friendly Products and Manufacturing

We all use electricity in every aspect of our lives. Renesas Electronics semiconductor products are adopted by a wide range of devices to help them use electricity effectively. The merit of semiconductor products is not only very little power consumption, but also very precise energy control, which help our customers enhance the energy performance of their own components. As we design these semiconductor products, we consider their impact on the global environment from the day they are produced until the day they are discarded, and we make them carefully so that they are easy for the customer to use.

And semiconductor products must be produced by miniaturization process to save energy consumption; we must use high-precision, high-tech devices and clean rooms that are as free of dust as possible so that we can offer a stable supply of reliable products.

We also implement energy-saving equipments and optimize systems at Group factories as we always purpose thorough energy efficiency. Furthermore, we establish voluntary factory emissions standards that are more stringent than the updated regulation requirement so that we can be sure to maintain a comfortable environment for our communities.

Through these measures, the Renesas electronics group will continue to provide our customer with products that is the highest possible quality, performance, lowest possible energy consumption and environmental burden. All of them will be manufactured by highest qualified clean manufacturing factories.

Tetsuya Tsurumaru, Senior Vice President and Member of the Board



# Eco-Management Initiative

## The Group's Business Activities and Environmental Footprint

The semiconductor products offered by the Renesas Electronics Group are becoming smaller and more energy efficient, which helps our customers conserve both energy and resources in their own products and systems.

Because of such product contributions, the business activities of the Group provide a boost for protection of the global environment by helping prevent global warming and use resources effectively.

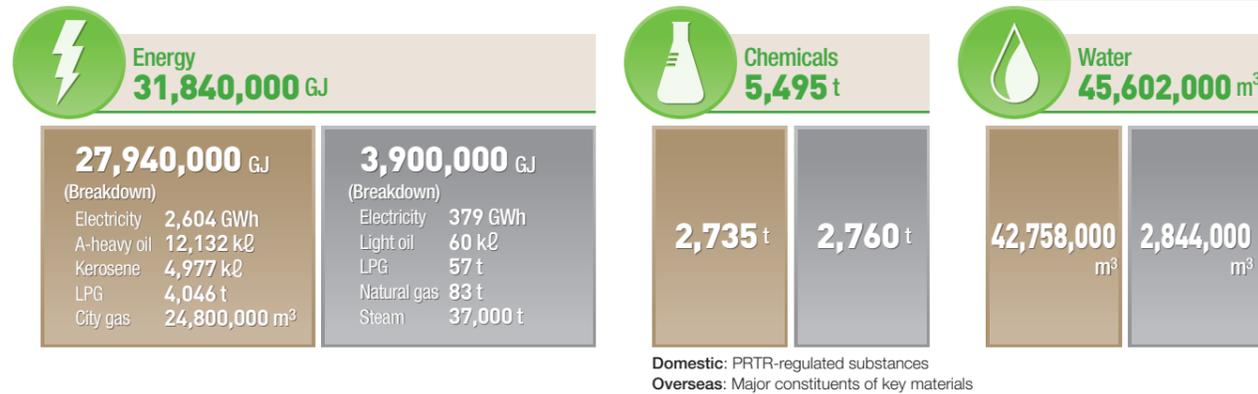
On the other hand, the Group's production activities place a large burden on the environment. They consume large amounts

of energy (electric power and fuel) and other resources (chemicals, water, etc.) while producing waste in solid, liquid and gas form.

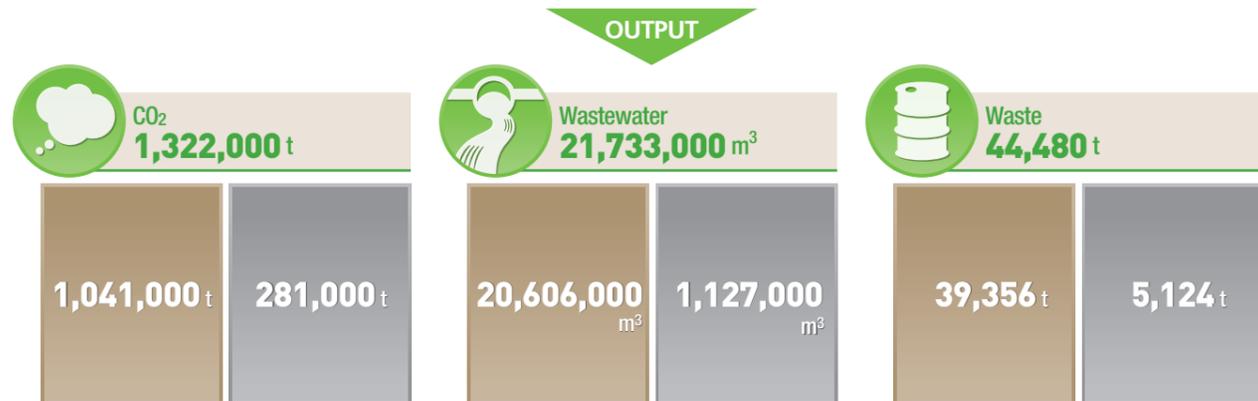
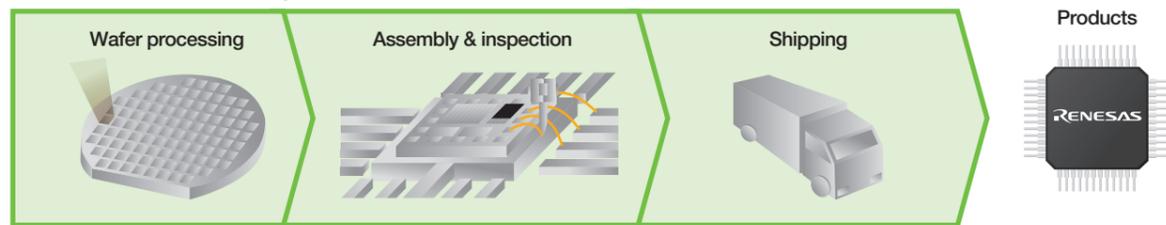
We are working to reduce our burden on the environment by closely monitoring the input volume and output volume of our production activities, studying how to reduce them and taking action systematically.

The Renesas Electronics Group is committed to using limited resources and energy in an effective manner and to offering eco-friendly products that are manufactured efficiently.

### Overview of Material Balance



### Renesas Electronics Group Business Activities



CO<sub>2</sub>: emissions from energy use

## Internal Audits of Environmental Law Compliance Systems and Environmental Management Systems

The Renesas Electronics Group performs audits of environmental law compliance and emergency preparedness. In fiscal 2012, we examined environmental law compliance at eight sites in Japan and two abroad.

We also have a system of mutual audits of ISO14001 management systems within the Group, under which we audited 12 sites in fiscal 2012 and plan to audit 18 in fiscal 2013. To meet our aim of conducting highly reliable audits,



Production line audit

Auditing an outdoor facility

the Group has CEAR<sup>1</sup>-certified auditors with environmental management system auditor qualifications (four lead auditors and 11 regular auditors).

Again in fiscal 2012, none of the Group's business sites or Group companies had to pay penalties or fines for incidents impacting the environment. There were also no environment-related lawsuits against the site or companies.

<sup>1</sup>1: Center of Environmental Auditors Registration  
Reference: www.jemai.or.jp/CACHE/ems\_details\_detailobj3649.cfm (Japanese language only)

## ISO14001 Certification

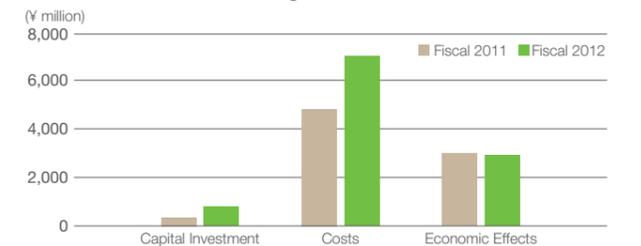
All of the Group's domestic sites and all of its overseas manufacturing sites and major sales sites have acquired certification under ISO14001, the international standard for environmental management systems. The Group will continue the process of acquiring and sustaining ISO14001 certification as efficiently and effectively as possible.

Up-to-date ISO14001 certificates are available for viewing on our web site.  
[www.renesas.com/comp/csr\\_eco/eco/iso/index.jsp](http://www.renesas.com/comp/csr_eco/eco/iso/index.jsp)

## Environmental Accounting

Major capital investments in fiscal 2012 included taking measures to prevent leaks from underground tanks and to reinforce chemical tanks against seismic activity. Of the costs, air pollution prevention totaled ¥1,730 million, water pollution prevention ¥1,932 million and waste processing ¥926 million. The economic effects included ¥1,619 million in proceeds from sales of recyclables. These figures do not include economic effects calculated based on estimates.

### Environmental Accounting Trends



### Fiscal 2012 Results

Category/Subcategory	Description	Environmental Conservation Costs		Effects	
		Capital Investment (¥ million)	Cost (¥ million)	Economic Effects (¥ million)	Environmental Impact Reduction
Within Business Sites	Pollution Prevention	536	3,865	0	Energy use reduction 87.8 GWh
	Energy Conservation/Global Environmental Conservation	202	868	801	
	Resource Recycling	49	1,022	2,096	
Upstream/Downstream Processes	0	0	-		
Management Activities	Maintenance and administration of environmental management systems, environmental education, etc.	0	1,145	-	
R&D	R&D for reducing environmental impact of products and production processes	0	0	-	
Social Contribution Activities	Local volunteer activities, donations and assistance to environmental organizations	0	43	-	
Environmental Damage	Clean up of pollution (soil, groundwater, etc.), compensation in connection with environmental conservation, etc.	0	5	-	
<b>Total</b>		<b>787</b>	<b>6,948</b>	<b>2,897</b>	<b>-</b>

# Eco-Factories Initiative

## Global Warming Prevention through Energy Conservation

The Group takes an active part in semiconductor industry initiatives to help prevent global warming. We also work continuously to conserve energy in a number of ways to meet electrical and electronic industry associations' targets and emissions intensity reduction targets under the Law Concerning the Rational Use of Energy.

To meet these targets, we organize working groups, share information and carry out effective measures internally while working with equipment manufacturers to consider new energy conservation measures.

### CO<sub>2</sub> Emissions

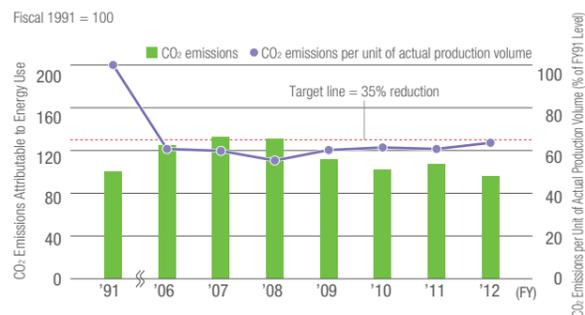
Our CO<sub>2</sub> emissions attributable to energy use declined 10.3% in fiscal 2012 as compared to the previous year, in part because of conservation measures we took to cope with the tight power supply and in part because of the poor economy at home and abroad caused production volumes to fall. However, CO<sub>2</sub> emissions per unit of actual production volume rose 2.9 points, as the decline in production volumes had a major impact.

Our target for CO<sub>2</sub> emissions attributable to energy use is the same one adopted by the electrical and electronic industry associations: "Reduce average CO<sub>2</sub> emissions per unit of actual production volume from fiscal 2009 to fiscal 2013 to 65% or less of the fiscal 1991 level by fiscal 2011." Our emissions per unit of actual production volume in fiscal 2012 actually beat our target by 1.3 points, and we anticipate meeting our target for the average value from fiscal 2009 to fiscal 2013.

Since the tight power supply is expected to continue in fiscal 2013 and beyond, we will continue our proactive energy conservation measures and work to reduce CO<sub>2</sub> emissions.

We have moreover endorsed the "Commitment to a Low Carbon Society" put forth by KEIDANREN (the Japan Business Federation), and will continue the fight against global warming in fiscal 2014 and beyond by joining initiatives by the electrical and electronic industry associations.

### CO<sub>2</sub> Emissions per Unit of Actual Production Volume (Domestic)



### Energy Reduction on Production Lines

We are also working toward achieving our energy conservation target under the Law Concerning the Rational Use of Energy, and therefore on our production lines we seek to reduce the rate of energy consumption by 1% year on year. Specifically, we have systematically taken such measures as putting pumps, fans, etc., under inverter control, optimizing air conditioning methods and settings, and replacing chillers and boilers with energy-saving models. We are furthermore optimizing equipment operation depending on our production volume.

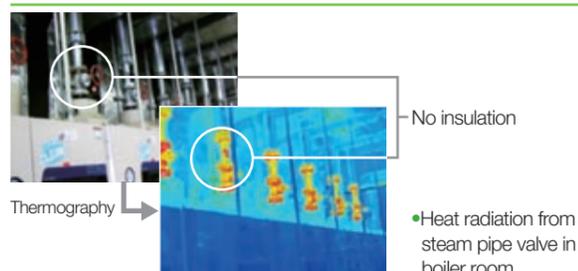
Below are some examples of new measures taken in fiscal 2012.

- Installing vaporizing humidifiers in clean room air conditioners (saves about 600 t-CO<sub>2</sub>/year)
- Putting air conditioners and pumps under inverter control (saves about 300 t-CO<sub>2</sub>/year)
- Insulating boiler valves (saves about 26 t-CO<sub>2</sub>/year)

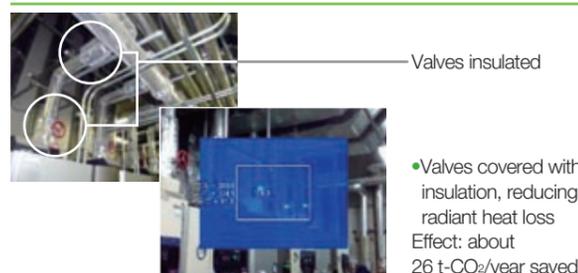
To give an example of energy conservation, Renesas Yamagata Semiconductor Co., Ltd. uses thermography to visualize and evaluate energy loss and check the effectiveness of the measures it takes.

### Using Thermography to Visualize Heat Loss During Energy Diagnosis

#### Before installing insulation



#### After installing insulation



### Restricting Electricity Use in Line with Article 27 of the Electricity Utilities Industry Law

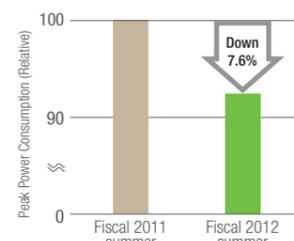
Following the Great East Japan Earthquake of 2011, high-volume customers (with contracts for 500 kW or more) in the service areas of the Tokyo Electric Power Company, Inc., and the Tohoku Electric Power Co., Inc., were ordered to limit their usage from July 1 - September 9, 2011.

The Renesas Electronics Group has been working to conserve energy at all its manufacturing sites, not just those in the two power companies' service areas.

As a result, our peak energy consumption from July - September in 2011 was 7.6% lower than in the previous year. In addition, total power consumption was down 6.0% from the previous year.

The Group will continue efforts to save on electricity.

### Group Peak Power Consumption in Summer 2010 and 2011



#### Major Measures

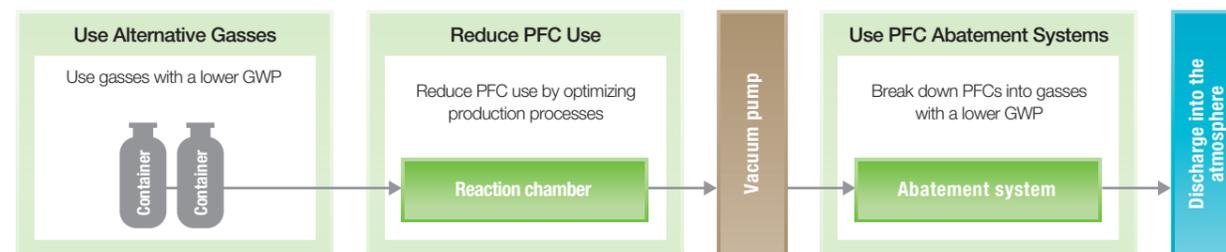
- Energy savings from production line air conditioning
- Switching some lights to LEDs
- Turning off some lamps
- Setting office air conditioners to 28°C
- Having all employees take additional paid leave all at once
- Turning off some elevators

### Reducing GHG Emissions

Two general types of greenhouse gases are released as a result of our business activities. The first is CO<sub>2</sub>, which originates from energy use and is emitted when we use electricity or fuel, and the other includes PFCs<sup>1</sup> and other gases used in production processes.

PFC gases do not readily decompose, and since their GWP<sup>2</sup> is between 5,000 and 20,000 or even higher, it is critical to reduce these emissions. Therefore the Group has set PFC gas reduction targets, which we are actively working to achieve.

### GHG Emissions Reduction Image



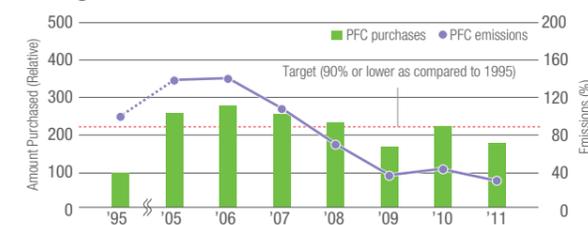
Methods of reducing the greenhouse effect of PFC gases include 1) switching to gases with a lower GWP, 2) reducing the volume of PFC gases used by optimizing processes, and 3) installing abatement system that removes PFC gases to break them down. The Group previously set a target of cutting emissions to 90% or lower in 2010 as compared to 1995, using a combination of these three techniques.

In 2011, we undertook further reduction initiatives. Although the drop in production volumes resulting from the Great East Japan Earthquake in March was a major factor, emissions were only about 35% of the 1995 level. That beat our target by a wide margin and encouraged us to continue steadily reducing emissions of greenhouse gases.

Looking ahead, we anticipate that production volumes will increase, but we will continue to pursue further emissions reductions in 2012 and beyond.

<sup>1</sup>PFC (Perfluorocompound): The semiconductor industry has specified CHF<sub>3</sub>, CF<sub>4</sub>, C<sub>2</sub>F<sub>6</sub>, C<sub>3</sub>F<sub>8</sub>, C<sub>4</sub>F<sub>8</sub>, SF<sub>6</sub> and NF<sub>3</sub> for emissions reduction.  
<sup>2</sup>Global warming potential, a coefficient indicating how much a given mass of greenhouse gas is estimated to contribute to global warming (CO<sub>2</sub> = 1)

### PFC gas emissions trend



### PFC gases and GWP

PFC gas	GWP
CF <sub>4</sub>	5,700
C <sub>2</sub> F <sub>6</sub>	11,900
C <sub>3</sub> F <sub>8</sub>	8,600
C <sub>4</sub> F <sub>8</sub>	10,000
CHF <sub>3</sub>	12,000
SF <sub>6</sub>	22,200
NF <sub>3</sub>	10,800

## Eco-Factories Initiative

### Environmental Measures in Logistics Operations

The Renesas Electronics Group implements various environmental measures in its logistics operations. Specific measures include the reduction of energy used for the transport of products and waste, reduction and reuse of packing materials used in product transport and the switching to eco-friendly company vehicles.

### Reducing Energy Use and CO<sub>2</sub> Emissions in Logistics Operations

Pursuant to the revision to Japan's Law Concerning the Rational Use of Energy, which stipulates "Specified Consignor" obligations, the Renesas Electronics Group is striving to reduce CO<sub>2</sub> emissions in its logistics operations. In fiscal 2012, the Group has implemented the following activities.

- We reorganized and integrated warehouses (distribution centers) that had been scattered around Japan, thus making product transportation more efficient.
- We established a direct shipment system and are now shipping our products from Chinese manufacturing sites to overseas customers without the detour to distribution centers in Japan.
- We reduced our energy consumption in logistics operations by switching to closer waste processors, streamlining waste collection operations and consolidating cargos of different types of industrial waste.

#### Domestic shipping volume

(Unit: ton-km<sup>1</sup>)

Fiscal Year	Renesas Electronics	Totals for Each Group Company
2010	14.34 million	5.58 million
2011	17.12 million	8.83 million
2012	12.55 million	7.22 million

### Reducing Packing Material Use and Increasing Reuse

Shipping products directly to customers from overseas manufacturing sites has eliminated the need for repacking in Japan and greatly reduced our use of cardboard. We have also established a reuse system (including recovery, cleaning and inspection) for plastic packaging such as tray/cartridges at domestic and overseas manufacturing sites. We are actively using this system. We will continue to reduce and reuse all types of packing.



Reorganization of domestic warehouses (opening of Fukuoka Distribution Center) Reused tray/cartridge

### Promoting the Use of Eco-friendly Cars as Company Vehicles

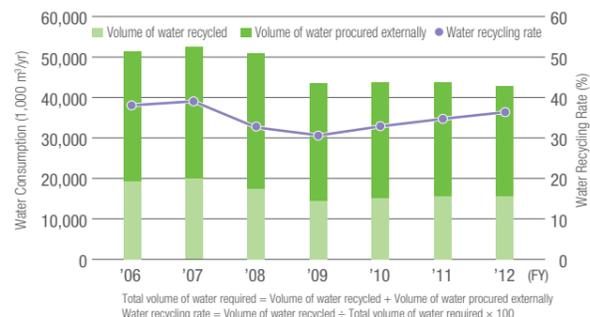
The Renesas Electronics Group is switching to eco-friendly cars<sup>2</sup> for its sales and other fleet vehicles. Specifically, when vehicle leases are complete, we give preference to the use of eco-friendly cars, taking the vehicle's age into account.

- \*1: A unit of measurement equal to the weight in tons of material transported multiplied by the number of kilometers driven
- \*2: Definition of eco-friendly cars:  
Passenger cars: Clean-energy vehicles, including hybrid cars, electric cars, natural gas cars, methanol cars and fuel-cell cars; or vehicles certified under both the 2010 Fuel Efficiency Standards and the 2005 Exhaust Emissions Standards of the Ministry of Land, Infrastructure, Transport and Tourism of Japan (MLIT) Minicoach: Vehicles certified under the 2005 Exhaust Emissions Standards of the MLIT

### Conserving Water Resources

The Group is conserving water by recycling it. In fiscal 2012, total water consumption was 42,758,000 m<sup>3</sup>, of which we recycled 36.7%.

#### Water Consumption and Recycling Rate



### Protecting the Ozone Layer

The Montreal Protocol on Substances That Deplete the Ozone Layer classifies ODSs<sup>3</sup> into Class I (CFCs<sup>4</sup>, etc.) and Class II (HCFCs<sup>5</sup>). The Group has completely eliminated the use of all these from our production processes.

Furthermore, we are systematically reducing the use of CFCs used as refrigerants in chillers, refrigerators, air conditioners and other equipment and replacing them with alternative substances in line with Montreal Protocol program. We are also recovering ODSs when affected equipment is scrapped and making sure these substances are destroyed.

- \*3: Ozone-depleting substances
- \*4: Chlorofluorocarbons
- \*5: Hydrochlorofluorocarbons

### Chemical Substance Management

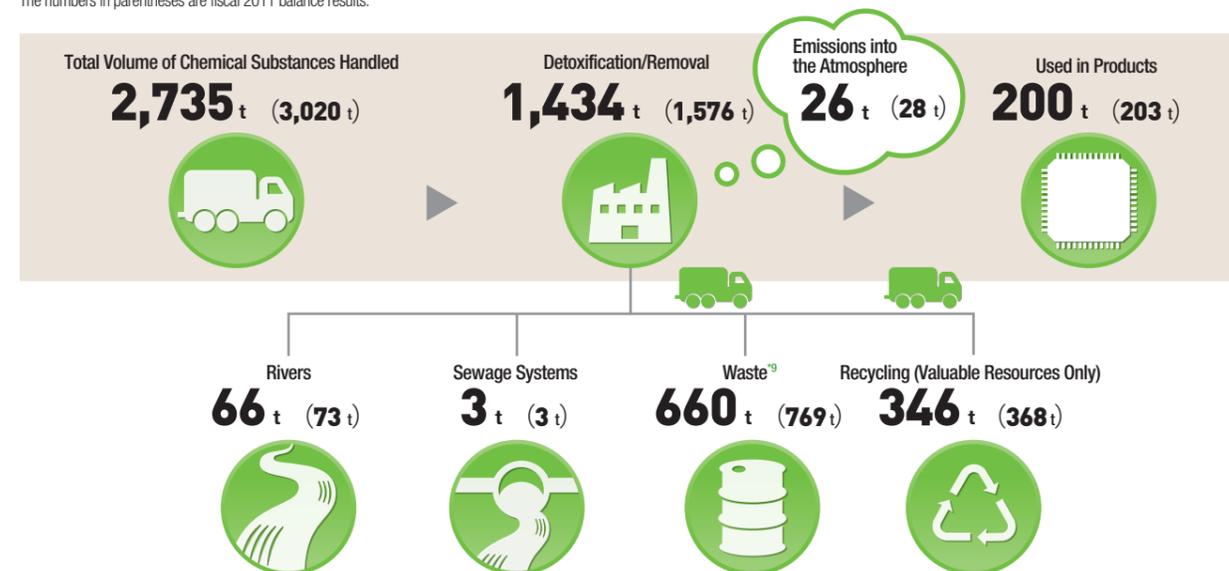
The Renesas Electronics Group is working to accurately understand the status of its chemical substance use and thereby continue to reduce chemical substance emissions into the environment. The Group conducts various assessments of the chemical substances it uses, based on its chemical substance database compiled through green procurement activities and the acquisition of information about related laws and regulations. The Group strives to accurately understand the total volume of chemical substances used and manages the volume of hazardous chemical substances used and their emissions. We conduct

material-balance management without rounding down figures relating to the PRTR<sup>6</sup>-regulated chemical substances and VOCs<sup>7</sup> we handle. The results of this material-balance management are reported to the relevant authorities, and are also analyzed and utilized in our activities to promote the use of alternative substances and reduce chemical substance emissions.

- \*6: Pollutant Release and Transfer Register Law (A law concerning the monitoring of emissions of specified chemical substances into the environment and their management)
- \*7: Volatile organic compounds

#### Fiscal 2012 Balance of PRTR-Regulated Chemical Substances<sup>8</sup>

The numbers in parentheses are fiscal 2011 balance results.

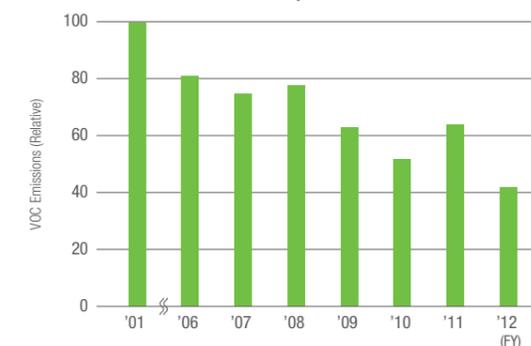


- \*8: In line with the amendment to the PRTR Law, chemical substances subject to regulation under this law have been changed from fiscal 2011.
- \*9: Includes waste for recycling at the Company's expense

### Reducing VOC Emissions

VOCs like isopropyl alcohol and xylene are released from factories only after they have been rendered as harmless as possible. Along with this, we optimize production processes and use production equipment effectively. Fiscal 2012 VOC emissions fell substantially, by about 42%, compared to fiscal 2001. The drop in production volumes after the Great East Japan Earthquake in March was a major factor, but measures we have taken up to now are steadily showing success. We will continue our proactive efforts to cut VOC emissions.

#### Renesas Electronics Group VOC Emissions



## Eco-Factories Initiative

### Waste Management

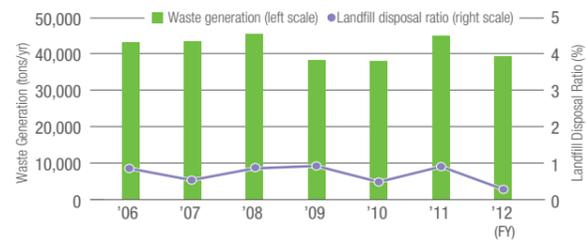
The Renesas Electronics Group's waste management target for fiscal 2012 was to "maintain our zero-emissions status (landfill disposal ratio of less than 1%)." We were able to realize this goal with a landfill disposal ratio of 0.26%, and thus achieved zero emissions.

Additionally, we practiced strict legal compliance and continued to periodically visit our industrial waste processing contractors to ensure that they were processing waste appropriately. The Group will continuously monitor such waste processing.

The Group practices strict storage, management and reporting of equipment that uses PCBs, in accordance with the law. Our plan is to successively and systematically dispose of PCB wastes in storage by 2016. We have already completed

early registration of affected equipment with the Japan Environmental Safety Corporation (JESCO), which oversees regional PCB disposal programs.

#### Domestic Waste Generation and Landfill Disposal Ratio



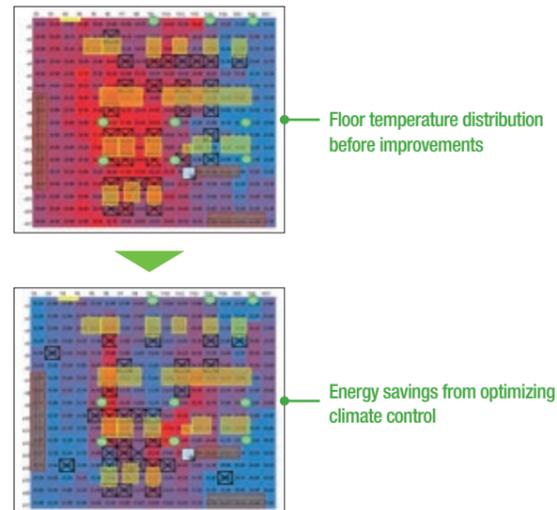
### Overseas Initiatives

The Renesas Electronics Group's overseas manufacturing sites conduct environmental initiatives using ISO14001 environmental management, based on the Group's Environmental Policy. Each manufacturing site sets its own targets and specific measures in accordance with local legal regulations and industry initiatives.

#### Renesas Electronics Europe

Renesas Electronics Europe Limited uses thermography to measure and analyze temperature distribution in its server room. This helps to optimize climate control and save cooling energy without sacrificing the required temperature.

#### Server Room Floor Temperature Distribution



#### Renesas Semiconductor Singapore

Renesas Semiconductor Singapore Pte. Ltd. participates in training on the recycling of electronic devices and conducts recycling to conserve the environment.



Waste training session

#### Renesas Semiconductor (Beijing)

Pollution prevention measures have grown stronger in China under the country's water pollution prevention and management law.

Renesas Semiconductor (Beijing) Co., Ltd. has won praise for improving its plating control technology and for the effectiveness of its cumulative pollution prevention efforts. In January, it received a Class 1 rating (the highest rating) for its plating process from the Beijing Electroplating Association.



Commendation ceremony

Certificate of commendation

## Eco-Products Initiative

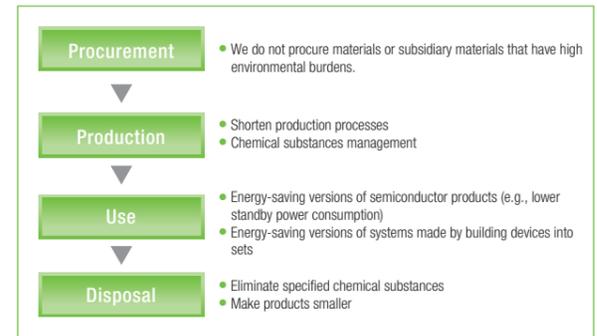
### Eco-Products Initiative

Customers' environmental requirements for our semiconductor products are growing stricter every year. The Renesas Electronics Group is proceeding with its Eco-Products Initiative to meet these requirements.

To turn a product into an eco-product, it is important to build in a variety of innovations at the development and design stages to reduce environmental burden at all life cycle stages, including procurement, production, usage and disposal.

Our eco-products are made possible through product environmental assessments, which are comprehensive evaluations of the following product environmental burden reduction measures.

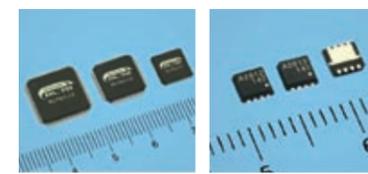
#### Eco-Products Initiative at Each Stage



### Creation of Eco-Friendly Products

The Renesas Electronics Group is promoting the creation of eco-friendly products by giving environmental consideration to its design and development processes. We believe that environmental considerations are critical during a product's development and design stages, so the design flow includes verification by environmental assessments that measure how far the environmental burden of the product has been mitigated. Products are evaluated both before starting stage of development and before mass production.

This helps improve the performance of the semiconductor product itself, and when used in our customers' products, helps make them smaller and more energy-efficient. This also decreases the environmental burden of the customers who use those products.



Built-in microcontrollers for ultra-energy-efficient LCD drivers

Low-power-loss MOSFET

### Compliance with Environmental Laws and Regulations

Embedded in wide-ranging finished products such as automobiles, consumer electronics, IT, and mobile equipment and communication devices, Renesas Electronics' semiconductors are being used worldwide. In order to ensure compliance with environmental laws and regulations relating to its products and to enable necessary countermeasures for potential issues, Renesas Electronics is working to obtain information regarding such laws and regulations in major countries immediately after its publication.

#### Major Environmental Laws Overseas and Our Response

The RoHS Directive<sup>1</sup> and the ELV Directive<sup>2</sup> of the European Union have defined threshold values for chemical substances contained in certain products. In response to these and other similar directives, Renesas Electronics makes sure that it receives product analysis data from suppliers of semiconductor device components as well as reports certifying that their products are free of banned substances. In addition, we conduct voluntary analysis of these components to confirm that sub-threshold values are observed.

#### Initiatives in China

China's Administrative Measure on the Control of Pollution Caused by Electronic Information Products—also known as China RoHS—requires manufacturers to use specific labels on products that contain designated toxic and hazardous substances. Also, products that contain such substances are marked with the Electronic Information Products (EIP) logo, including an Environment Friendly Use Period (EFUP) value stated in years. Since semiconductors are too small to mark with logos and labels, Renesas Electronics provides information relating to chemical substances contained in its products and product EFUP values through its Website and through local sales companies and authorized dealers.

[www.renesas.com/products/lead/china\\_rohs/index.jsp](http://www.renesas.com/products/lead/china_rohs/index.jsp)

#### Initiatives in Europe

Renesas Electronics is not required to register its semiconductor devices under the EU's REACH Regulation<sup>3</sup>, since they are articles (finished products) that do not intentionally emit chemical substances. Moreover, we obtain information relating to substances of very high concern (SVHCs<sup>4</sup>) from the supply chain and shared databases (JAMP<sup>5</sup>, etc.) and provide it to customers.

The Group will continue to closely monitor movements of environmental laws and regulations overseas and implement appropriate measures.

<sup>1</sup>: Directive on the Restriction of the use of certain Hazardous Substances in electrical and electronic equipment. Limits content of lead, mercury, cadmium, hexavalent chromium and brominated flame retardants (PBB, PBDE)

<sup>2</sup>: Directive on End-of-Life Vehicles. Limits content of lead, mercury, cadmium and hexavalent chromium

<sup>3</sup>: Regulation on Registration, Evaluation, Authorization and Restriction of Chemicals. Requires registration and evaluation to produce or import chemical substances in the EU, requires authorization for substances of very high concern, and sets limits (including bans) on high-risk substances

<sup>4</sup>: Substances of Very High Concern (because they harm or may harm health and safety)

<sup>5</sup>: Joint Article Management Promotion-consortium

# Eco-Communication Initiative

## Communication with Local Communities

Each year, the Takasaki Factory holds a factory tour for heads of the district's residents associations. In fiscal 2012, this tour was held in June. After giving an overview of our business, we led the participants on a tour of our environmental and other equipment. We explained our position on environmental initiatives, including the fact that our management system sets workplace standards that are more stringent than the law requires.

Our Kofu Factory held an exchange event in November with other ISO14001-certified companies. We invited 17 people from 13 certified companies in Yamanashi Prefecture to network and share information. On the day of the event, we provided an overview of the Kofu Factory and its environmental initiatives, gave a factory tour and traded views. One example of something we learned from the other businesses was very valuable information on energy-conservation measures for the summer and winter seasons of fiscal 2012. We plan to continue taking part in exchange events, trading useful information and helping to enhance environmental initiatives in the region.



Workplace tour (Takasaki Factory)



Business exchange event (Kofu Factory)

## Environmental Education

### Environmental Education System

At the Renesas Electronics Group, environmental education is classified into three programs: general environmental education; specialized environmental education, and ISO14001 education.

Through the general environmental education program, the Group distributes email publications on familiar environmental subjects. Also, we provide basic environmental education to help our executives and employees acquire necessary environmental knowledge through environmental e-learning sessions.

Meanwhile, the specialized, operation-specific environmental education program has been designed to allow employees to gain the environmental knowledge required for their respective operations. This program offers education and training specific to the individual fields of development design, sales and manufacturing.

Finally, the ISO14001 education program helps employees understand the ISO14001 certification system and helps internal auditors develop their auditing skills.

### Renesas Electronics Environmental Education System

Program	Purpose	FY2013 Target
General Environmental Education	Raising the environmental awareness of employees	<ul style="list-style-type: none"> <li>• Distribution of environmental "Web News"</li> <li>• Position-specific education (new employees/new leaders/new managers)</li> <li>• Basic environmental education</li> </ul>
Specialized Environmental Education	Gaining environmental knowledge required for operations	<ul style="list-style-type: none"> <li>• Environmental education for design and development divisions</li> <li>• Education for product environmental quality management</li> <li>• Environmental education for sales divisions</li> <li>• Environmental education for manufacturing divisions, etc.</li> </ul>
ISO14001 Education	<ul style="list-style-type: none"> <li>• Understanding the ISO14001 certification system</li> <li>• Developing the skills of internal auditors</li> </ul>	<ul style="list-style-type: none"> <li>• Basic ISO14001 education</li> <li>• Internal auditor education, etc.</li> </ul>

### Fiscal 2012 Achievement

We updated the Group's shared teaching materials, which were designed for use by production staff, and provided education based on a standardized curriculum. One set of teaching materials was created for managers and engineers and another for line technicians, and position-specific education helped enhance understanding. We keep our curriculum and course content up to date by incorporating the latest environmental data. We furthermore revise them regularly based on past training results. In fiscal 2012, we conducted a Group-wide online course once and provided specialized courses for sales divisions six times. We give general environmental and ISO14001 education as appropriate.



Operation-specific environmental education



#### Comments from Environmental Education Participants

- The training taught me the importance of the environment and enabled me to give positive PR messages to customers and others concerned.
- I learned some key things about environmental issues, such as the factors that cause them, trends and directions and regulations in Japan and abroad.
- We get so many inquiries about environmental issues from customers now, and I was starting to address them. However, I'm really glad I took an appropriate course, because until then I didn't really understand the essence of the issues.



## External Acknowledgement, Etc.

### Electricity Safety Tohoku Committee Chairman's Commendation Award

In August, Renesas High Components, Inc. won the Electricity Safety Tohoku Committee Chairman's Commendation Award at the 2011 Electricity Safety Services Awards Ceremony, cosponsored by the Tohoku Branch of the Kanto Tohoku Industrial Safety and Inspection Department and Electricity Safety Tohoku Committee. The company won the award not only for its safety and energy conservation activities but also for the help it provided by reducing power use following the earthquake disaster of March 11.

### Letter of appreciation for donations

Renesas Yamagata Semiconductor Co., Ltd. held an internal fundraising campaign in October to promote forest maintenance and planting awareness activities. Collected funds were donated to an organization promoting the planting of greenery in Yamagata Prefecture. The group sent a letter of appreciation along with some cherry tree seedlings.

### Certificates of CO<sub>2</sub> offsets

The Group conducts forest conservation activities in various places. In fiscal 2012 we received certificates of CO<sub>2</sub> offsets as follows.

Business sites	Issued by	Amount of CO <sub>2</sub>
Headquarters	Kanagawa Prefecture	247 t-CO <sub>2</sub> over five years, starting in October 2010 (forest CO <sub>2</sub> offset calculation statement)
Kochi Factory	Kochi Prefecture	142 t-CO <sub>2</sub> (CO <sub>2</sub> offset certificate)
Renesas Semiconductor Kyushu Yamaguchi, Kumamoto Kawashiri Factory	Kumamoto Prefecture	23.84 t-CO <sub>2</sub> (Kumamoto Prefecture forest offset certificate)

## Exchange Meeting with Fujitsu Semiconductor Limited

We held an exchange meeting with Fujitsu Semiconductor Limited, similar to the one held in fiscal 2012. Our aim in holding an open and honest exchange was to create a more polished, comprehensible report.

Fujitsu Semiconductor Limited offered some valuable suggestions, leading to the following changes in CSR Report 2012.

- We made the table of initiative results and plans easier to read (page 32).
- We devised a chart showing our business activities and environmental footprint was improved (page 33).

We would like to thank Fujitsu Semiconductor Limited for their help.

## Site Reports

The Group issues site reports for its domestic sites and Group companies primarily for the sake of local communities.

### Renesas Yamagata Semiconductor Site Report Wins Award

The 2011 environmental report by Renesas Yamagata Semiconductor Co., Ltd. won the Site Report Award in January in the Environmental Report Division of the 15th Green Reporting Award and Sustainability Reporting Award. The event is hosted by Toyo Keizai Inc. and the Green Reporting Forum. The report was praised for being carefully created and disclosing information such as environmental education and activities to promote outside communication.



At the awards ceremony



Cover of the site report



Exchange meeting

#### Exchange Meeting Participants

- Fujitsu Semiconductor Limited  
Mr. Yutaka Okada, Corporate Affairs Division  
Messrs. Junichi Konno, Hiroshi Osuda, Shoichi Sakuma and Kohji Nomaki and Ms. Kumiko Nemoto, Environment Promotion Office
  - Renesas Electronics Corporation  
Messrs. Tsutomu Kikuchi and Toyotaka Hiue and Ms. Fumie Igarashi, Legal & Compliance Division  
Messrs. Yutaka Karita, Takashi Okabe and Yasuki Sakata and Ms. Yoshiko Wakimoto, Environment Promotion Department, Production and Technology Unit
- Meeting dates: March 27, May 28 and July 2, 2012