

Sustainability Report 2012 - Highlights -





2012 INTERNATIONAL YEAR OF SUSTAINABLE ENERGY FOR ALL

#### CONTENTS

01 Business Philosophy and Business Creed

### Top Message •

- 02 Looking Ahead to the Next 100 Years
- 04 The Spirit of Sharp's Founder
- 05 Corporate Vision

## Special Feature •

- 06 Helping Create a Sustainable Society
- 10 Outline of the Sharp Group

### Sharp Sustainability Report 2012 and System for Information Disclosure

Sharp's efforts toward corporate social responsibility (CSR), particularly the environmental and social dimensions of CSR, contribute to creating a sustainable society. Information on these efforts is made available in the following three formats to meet the needs of various stakeholders. Starting with the 2012 edition, the "Environmental and Social Report" was renamed the "Sustainability Report."

#### Annual Report, Highlights Version This report

This report outlines the highlights of Sharp's CSR efforts during fiscal 2011 in a simple, concise way and is available on the Sharp website as a downloadable PDF file.

Relevant information posted to the Sharp website is indicated by this 💯 icon.

#### **Annual Report**

This report on Sharp fiscal 2011 efforts presents special information in a section called Special Feature; detailed information in three sections called Management, Sharp and the Environment, and Sharp and Society; and a variety of related data. It is available on the Sharp website as a downloadable PDF file.

#### Website

The Sharp website provides access to this report document, supplementary data, and the latest information.

Sharp Social & Environmental Activities website http://sharp-world.com/corporate/eco/

#### About the Cover



 The cover illustration represents our hope of becoming a truly global company that respects the irreplaceable planet Earth that is home to all of us.



2012

SUSTAINABLE

ENERGY FOR ALL

#### 100th Anniversary Logo

Sharp was established on September 15, 1912. The support of our stakeholders over the years has brought us to this year's centennial celebration.

#### United Nations International Year Logo

The United Nations General Assembly has designated 2012 as the International Year of Sustainable Energy for All. Sharp, celebrating its 100th anniversary in 2012, is in accord with the purpose of this United Nations' activity and advances the development and diffusion of solar power generation around the world, as we enter our second century—aiming to make solar power available to everyone in the world.

# Business Philosophy

We do not seek merely to expand our business volume. Rather, we are dedicated to the use of our unique, innovative technology to contribute to the culture, benefits and welfare of people throughout the world.

It is the intention of our corporation to grow hand-in-hand with our employees, encouraging and aiding them to reach their full potential and improve their standard of living.

Our future prosperity is directly linked to the prosperity of our customers, dealers and shareholders ...indeed, the entire Sharp family.

# Business Creed

Sharp Corporation is dedicated to two principal ideals:

# "Sincerity and Creativity"

By committing ourselves to these ideals, we can derive genuine satisfaction from our work, while making a meaningful contribution to society.

Sincerity is a virtue fundamental to humanity ... always be sincere.

Harmony brings strength ... trust each other and work together.

Politeness is a merit ... always be courteous and respectful.

Creativity promotes progress ... remain constantly aware of the need to innovate and improve.

Courage is the basis of a rewarding life ... accept every challenge with a positive attitude.

# Sharp Contributes to Society through Its Manufacturing-, Technology-, and Value-Oriented Business

"Make products that others want to imitate." These words, spoken by Sharp founder Tokuji Hayakawa, embody Sharp's management concept. As a manufacturer, Sharp contributes to society by being the first to make products that meet the needs of a new era. Successive generations of Sharp leaders have, in their own way, pursued this concept by making products that contribute to society and in the process created a corporation that is known and trusted by society.

In 1973, Sharp articulated the unchanging spirit of its founder in the company's business philosophy and business creed. The business philosophy states that Sharp aims for mutual prosperity with society and stakeholders—the foundation of CSR\* today—by "contributing to the culture, benefits and welfare of people throughout the world." The business creed calls for "Sincerity and Creativity" and all employees must hold to it and follow it in order to realize the business philosophy.

The goal that Sharp aims at through its CSR efforts is nothing less than to put its business philosophy into action and contribute to building a sustainable society through its business activities. And to continue being a company that is known and trusted throughout society, Sharp is reaffirming this goal in 2012, the year of its 100th anniversary. Sharp will earn this trust by practicing sincerity of conduct and action and by calling upon the "gene of creativity" endowed from its founder to create new value through the development of one-of-a-kind products and new lifestyle possibilities.



# Looking Ahead to the Next 100 Years, Sharp Aims to be a True Global Company, Trusted and Valued by People around the World

This year Sharp celebrates its 100th anniversary, the company having been founded in Tokyo on September 15, 1912 by an 18-year-old Tokuji Hayakawa.

We would like to express our heartfelt gratitude to all our customers and stakeholders who have supported the development of our business.

# Looking Ahead to the Next 100 Years

Sharp currently finds itself in extremely trying circumstances.

Reflecting the turbulence of the era, our financial report for fiscal 2011 was more severe than ever before. A long list of external factors contributed to this, including the spread to other regions of governmental debt problems in Europe; the slowing of growth in China and newly emerging economies; the reduction of prices for products and devices such as LCD TVs and solar cells; the rapid rise of the yen; and the sudden drop in demand for LCD TVs in Japan after the discontinuation of domestic analog broadcasting. However, we recognize that the fundamental challenge is to transform ourselves and quickly construct a system that can spur us on to meet changes in the business environment.

Over the past several years, under the banner of management with a global viewpoint, Sharp has promoted a strategy of local production for local consumption, targeting growing markets in newly emerging economies. But we must still pick up the pace. Commoditized digital appliances require greater cost efficiency and production speed—both of which can be achieved by expanding the production scale. It is difficult for the company to stay on top of the global electronics market, for example, while handling by itself everything from R&D, design, and production to sales and after-sales service.

Looking ahead to the next 100 years, Sharp will bolster its foundations in each region of the world and speed up its transformation. We will also continue to create one-of-a-kind, energy-creating businesses and energy-saving products, and we will offer them globally in collaboration with our powerful partners around the world.



One of the world's largest mega-solar power generation plants, with a 73 MW capacity using Sharp thin-film solar cells, completed in Thailand in March 2012. Sharp, along with Thailand's largest construction companies ITD (Italian-Thai Development Public Co., Ltd.) and ITE (ITALTHAI Engineering Co., Ltd.), received an order for its construction from Thai independent power producer NED (Natural Energy Development Co., Ltd.). Sharp has also been entrusted with repair and maintenance.

## Sharp Is Even More Determined to Become an Eco-Positive Company

Twenty years have passed since the United Nations held the Earth Summit (i.e., the United Nations Conference on Environment and Development)—an event that prompted the whole world to seek commonly recognized solutions to global environmental issues.

Sharp has swiftly addressed environmental conservation and endeavored to realize a vision of becoming an "Eco-Positive Company". Sharp seeks to achieve an environmental contribution (positive impact) that largely exceeds its environmental burden (negative impact) by refocusing business activities in cooperation with all of its stakeholders.

Under this approach, Sharp considers the reduction of greenhouse gases to be an especially important issue. Hence, Sharp promotes the development and dissemination of energy-creating solar cells and energy-saving products, and it works to limit the amount of emissions from its business activities. In fiscal 2011, the reduction in emissions resulting from customers using Sharp's energy-creating and energy-saving products was more than triple the amount of emissions from business activities.

Sharp changed its index in fiscal 2012 and adopted a new goal: by fiscal 2020, the company seeks to achieve an amount of emissions reductions from its solar power-related businesses that is large enough to offset emissions from its business activities (including the supply chain) and customer use of Sharp products.

### Sharp Globally Promotes Energy-Creating Businesses and Energy-Saving Products

This March in Thailand, construction was completed of one of the world's largest mega-solar power generation plants—one with a 73 MW capacity. Mega-solar power plants have also been constructed in six places in Italy in collaboration with the Enel Group. Electric power generation has already begun there. Meanwhile, Recurrent Energy, LLC of the Sharp Group in North America is constructing mega-solar power plants in California and Arizona, and it is promoting a large project in Canada. In addition, construction of mega-solar power plants is planned at various locations in Japan in order to meet the start of the buyback program for renewable energy this July.

Amid mounting expectations for renewable energy, the construction of mega-solar power plants has been promoted in numerous places around the world. With further cost reductions,

we anticipate the rapid spread of solar power generation—a method of capturing energy that does not depend on limited fossil fuel resources, that does not generate noise, and that does not emit pollutants such as CO<sub>2</sub> that lead to global warming.

Sharp has accumulated energy-creating technologies for solar power generation and energy-saving technologies for use in products such as LCD TVs, LED lighting, and refrigerators. With these technologies and in collaboration with its powerful international partners—such as the previously mentioned Enel Group and the Hon Hai Group, with whom a joint LCD endeavor is planned—Sharp will globally provide energy-creating businesses and energy-saving products. Through such efforts, the company will contribute to the realization of a sustainable society.

#### Sharp Seeks to Contribute to the World with Sincerity and Creativity

As we celebrate our 100th anniversary, Sharp will—through sincerity and original technologies and while remaining firmly grounded in our business philosophy and business creed—continue to contribute to solving social issues from a global viewpoint. Maintaining our support for the 10 principles set in the United Nations Global Compact on human rights, labour, the environment, and anti-corruption, we seek to fulfill our social responsibility by practicing and further improving activities in the management, environmental, and social areas described in this report.

Sharp develops business activities that contribute to the realization of a sustainable society throughout the world. It aims to become a true global company, trusted and valued by people everywhere.

Now and in the future, Sharp will continue to disclose information about our business operations; we will also continue to reflect the valuable opinions of Sharp stakeholders in our management practices.

June 2012

President **Takashi Okuda** 

#### Extending the Spirit of Manufacturing and Gratitude of Sharp's Founder over the Next 100 Years 2004 2010 2011

Sharp's founder Tokuji Hayakawa was born in Tokyo in 1893. He founded a metalworking shop in September 1912. Showing ingenuity and creativity, he invented the Sharp Pencil (a mechanical pencil) and grew his business.

Pursuing his vision of continually staying ahead by pioneering new fields, he succeeded in assembling Japan's first crystal radio set in 1925. His company became a leading radio manufacturer, establishing the foundation for Sharp Corporation.

This was followed over the years by Japan's first TV set and numerous other revolutionary 'firsts' that stand as milestones in the history of consumer electronics. Tokuji was truly a modern visionary; for example, more than half a century ago, he had the foresight to turn his attention to solar energy.

He was also a humanitarian who never forgot to feel grateful and

who always wanted to repay kindness. He made countless contributions to communities and society at large. For instance, he established a factory where challenged persons could work autonomously; this would become Japan's first special subsidiary\*.

"Make products that other companies want to imitate" and "Feel gratitude and repay kindness."

Spoken by Tokuji, these phrases symbolizing his spirit have continued to echo in the deeds of generations of Sharp employees.



Mass production of the first Japan's first mass-produced Japan-made TV microwave oven



1964



Solar module



Superheated steam oven

2001

AQUOS LCD color TV

Touchscreen LCD monitor

High-efficiency monocrystalline solar module for residential use



Camera-equipped Plasmacluster technology mobile phone



LCD ViewCam camcorder



Possessing a "gene of creativity" since its foundation, Sharp has applied a fundamental business policy of delivering satisfaction to its customers and using its unique technologies to offer new one-of-a-kind products and devices.

Sharp will continue to develop unique groundbreaking ideas that create new trends. These one-of-a-kind ideas will take up the challenge of the competitive flow and establish the new mainstream.

In 2012, the 100th year of its founding, Sharp will once again mobilize the resolve of all its members to realize sustained growth.



Tokuji Hayakawa invents the Tokubijo snap buckle and founds a business



First Japan-made crystal radio set

1925





1963





# **Corporate Vision: Eco-Positive Company**

Sharp's corporate vision is to become an Eco-Positive Company. By "Eco-Positive Company," Sharp means a company that works with all stakeholders in creating solutions that have significantly more positive impact on the environment than the negative impact caused by business activities. One important effort towards this vision is the reduction of greenhouse gas emissions. In addition to reducing greenhouse gas emissions from its business activities, Sharp is developing and spreading the use of energy-creating solar cells and energy-saving products.

#### Sharp's Eco-Positive Company corporate vision; fiscal 2011 greenhouse gas emissions and greenhouse gas emission reductions



Meb Method used for calculating greenhouse gas mission reductions



# **Reducing Greenhouse Gas Emissions**

Under its Eco-Positive Company corporate vision, Sharp works to reduce greenhouse gas emissions through energy-creating and energy-saving products.

In fiscal 2004, Sharp announced its goal of having its energy-creating and energy-saving products more than balance out its greenhouse gas emissions by fiscal 2010. The aim was to have emission reductions that result from customer use of Sharp energy-creating and energy-saving products be more than total greenhouse gas emissions from Sharp's business activities, and this was achieved in fiscal 2008. Another goal was to have greenhouse gas emission reductions be more than double actual greenhouse gas emissions by fiscal 2012, and this was achieved in fiscal 2011. In fiscal 2011, Sharp emitted 1.41 million tons CO<sub>2</sub>, but the use of Sharp energy-creating and energy-saving products contributed to emission reductions of 4.42 million tons CO<sub>2</sub>, 3.1 times actual emissions.

Shigeaki Mizushima Executive Vice President Group General Manager CS and Environmental Promotion Group Sharp Corporation

Sharp changed its index in fiscal 2012 and is now shooting for a new goal: by fiscal 2020, have greenhouse gas emission reductions achieved through Sharp's solar power-related businesses be at least equal to greenhouse gas emissions from Sharp business activities (including those in the supply chain) and the use of Sharp products. The idea is to further increase reductions while limiting emissions as much as possible.

# **Eco-Positive Strategy**

Sharp is striving to realize its corporate vision by carrying out its Eco-Positive Strategy worldwide. Under this strategy, Sharp is pursuing environmental efforts from four aspects (see diagram to the left). We are placing particular emphasis on "businesses" (products, solar power-related business, and others) and on "operations" (mainly factories), since these have a direct effect on reducing greenhouse gas emissions. Ever since operations started at the Kameyama Plant in fiscal 2003, Sharp has been going all out to assess and certify the environmental performance of its products and factories based on in-house standards. This system has spurred friendly competition among different Sharp business groups and has resulted in significant advances in making Sharp greener.

Through the Eco-Positive Strategy, all Sharp divisions in Japan and around the world are setting environmental goals and working together—not just to reduce the company's greenhouse gas emissions but to increase Sharp's overall positive impact on the natural environment.



Tetsuro Muramatsu Group Deputy General Manager CS and Environmental Promotion Group Sharp Corporation

\* In fiscal 2011, Sharp switched to using the GHG Protocol calculation tools (GHG emissions from purchased electricity ver. 4.3, August 2011) as the coefficient for calculating (for bases outside Japan) greenhouse gas emissions (from electricity). If calculated using the fiscal 2010 method, fiscal 2011 greenhouse gas emissions would be 1.45 million tons CO<sub>2</sub> and greenhouse gas emission reductions would be 4.96 million tons CO<sub>2</sub>.

# Helping Create a Sustainable Society by Developing Energy-Creating Businesses and Energy-Saving Products Worldwide to Contribute to the Culture, Benefits, and Welfare of People throughout the World

Twenty years ago, in June 1992, the United Nations Conference on Environment and Development (commonly known as the Earth Summit) was held in Rio de Janeiro, Brazil. The concept of sustainable development as a way to avoid destruction of the Earth's environment was shared by the world. Nations, companies, and individuals took this opportunity to speed up efforts to preserve the world environment.

However, there has been limited success over the past 20 years. Greater wisdom and action are needed in order to pass on our beautiful, irreplaceable Earth to the next generation. In this respect, the role of a company can be extremely important.

# For the Realization of a Sustainable Society

Sharp will commemorate its 100th anniversary on September 15, 2012.

Looking back over its business, Sharp has contributed to the realization of new lifestyles by anticipating the demands of the era, working rapidly in technology development, and providing such technology to the world in the form of its products. There are many examples: the invention of the snap buckle (1912) and the Hayakawa propelling pencil\* (Ever-Ready Sharp Pencil, 1915) around the time of the establishment of the company in anticipation of the change from Japanese-style clothing to Western-style clothing; the first domestic crystal radio (1925), which was commercialized at the advent of radio broadcasting; the first domestic black-and-white TV (1953), which was mass-produced as TV broadcasting just began; the early start of research in solar cells (1959)—an up-and-coming energy source—and their successful mass production (1963); development of the world's first all-transistor-diode

electronic desktop calculator (1964) aimed for an era of general use; the world's first successful application of a liquid crystal display to a pocket-sized electronic calculator (1973); and the realization of the dream of a wall-mountable LCD color TV (1991).

Today, many of Sharp's businesses contribute to what is perhaps the world's most important need: the realization of a sustainable society.

In this special feature, Sharp's representative businesses will be introduced in three aspects: pioneering an era of renewable energy through solar power generation; achieving rich communication by energy-saving displays; and contributing to a safe, healthy, environmentally friendly life through energy creation and energy saving.

\* Term used by Tokuji Hayakawa on the patent application for his mechanical pencil

One of the world's largest mega solar power generation plants in Thailand, with a 73 MW capacity using Sharp thin-film solar cells Satellite image: ©DigitalGlobe

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Solar cell plant at GREEN FRONT SAKAI (operations began March 2010)

Thin-film solar cell plant in Italy (operations began December 2011)

# Pioneering an Era of Renewable Energy through Solar Power Generation

According to an announcement by the International Energy Agency (IEA), worldwide CO<sub>2</sub> emissions reached an all-time record of 31.6 billion tons in 2011 (3.2% increase over the previous year). This figure is the amount of CO<sub>2</sub> emitted by the consumption of fossil fuels, and considered to comprise approximately 90% of all greenhouse gases. Emissions will continue to increase due to economic growth in newly emerging economies, making it difficult to achieve the international goal of limiting the rise in global atmospheric temperature to no more than two degrees higher than the temperature before the industrial revolution.

Using renewable energies is one way we can halt rising global temperatures, but we have to introduce these at a much faster pace than we have been doing.

Solar power is one example of renewable energy. Sharp got an early start in solar power, beginning research in 1959. When speaking about the technologies of the future, Sharp's founder Tokuji Hayakawa always touched on solar cells first, saying, "If we could find a way of generating electricity from limitless solar heat and light, that would benefit humankind to an extent we can scarcely imagine."

Under Hayakawa's vision, Sharp succeeded in mass producing solar cells in 1963 and has gone on to develop and commercialize various types of solar cells, including monocrystalline, polycrystalline, thin-film, and compound. It has built up technological know-how and earned the trust of customers by putting these solar cells into a wide range of applications, including lighthouses, satellites, commercial and residential power systems, and mega solar power plants. Sharp's solar cell plant at GREEN FRONT SAKAI has been producing thin-film solar cells and monocrystalline solar cells using cutting-edge technologies. Sharp's idea is to develop production facilities in regional markets around the world, with this plant serving as the core "mother plant." In Europe, the largest consumer region for solar power, a thin-film solar cell plant—the largest of its kind in Italy—operates under the joint cooperation of Sharp and a leading local company. And electricity generation is now underway at a mega solar power plant that uses these locally produced thin-film solar cells.

To achieve full-scale expansion of solar power generation, its costs must be cut to the point of grid parity (the point at which solar power generation costs are equal to those of conventional power generation). Sharp is in the process of building a worldwide comprehensive solar power solutions business that covers the development and production of solar cells and modules, the design of solar power systems, the construction of mega solar power generation plants, and management as an independent power producer. Sharp is also focusing its R&D on increasing the conversion efficiency of solar cells. Sharp has so far achieved the world's highest conversion efficiency of 43.5%\* with its concentrator solar cell.

Sharp will continue to pioneer an era of renewable energy through efforts in solar power generation.

\* As of June 2012





\*1 Simulated screen image. Service content may change. Program names are not real. \*2 Internet service requires a broadband connection, setup, contract with a carrier or provider, and usage fees.

# Achieving Rich Communication by Energy-Saving Displays

Today, LCDs are routinely used by everyone, everywhere—in TVs, smartphones, tablets, and copier control panels, to name just a few. A wide range of information can be displayed, from black-and-white characters to high-resolution full-color video. Thin, light, and energy-saving LCDs are used in mobile devices for easy access to information and knowledge from around the world through the Internet and SNS (social networking services), and have become indispensible for communicating and exchanging opinions. Thin, light, high-resolution, and energy-saving LCDs are also widely used indoors as large-size displays.

Sharp began studying the practical use of LCDs in 1969. Fierce competition in the miniaturization and price reduction of calculators was the impetus for this research for thin display devices with minimal power consumption. Through the persistent efforts of its engineers, in 1973 Sharp succeeded in developing the world's first pocket-sized electronic calculator to include an LCD. Due to its superb energy-saving capability, it could run on one AA battery for 100 hours, and it contributed to creating significantly smaller calculators.

Sharp continued to research and expand the applications for LCDs, along the way evolving the screen display capabilities from numbers and letters to images, from black-and-white to color, from still images to video, and to gradually thinner, lighter, larger, higher-resolution, and more

energy-efficient screens. The next dream of Sharp's engineers was the development of a wall-mountable TV, which would provide a new lifestyle by replacing CRT TVs with thin and energy-saving LCD TVs. The rest is history, as today hundreds of millions of CRT TVs worldwide have been replaced with LCD TVs, bringing people new lifestyles and energy and resource savings.

Sharp continues in its efforts to further evolve LCDs. In collaboration with Semiconductor Energy Laboratory Co., Ltd., Sharp developed a new technology using oxide semiconductors (IGZO). Through this technology, higher resolution, lower power consumption, and enhanced touchscreen performance are possible. Furthermore, IGZO can be applied to organic EL displays.

Sharp is contributing to rich and varied communication through its energy-saving and high-resolution displays.





Solar power system

alet 1

ETT, 東全体 2500

Dedicated

media table



Sharp Eco House at GREEN FRONT SAKAI conducts tests of the home energy management system (HEMS)

JH-RTP1/JH-RTP2 power consumption visualizing system for Japan (conceptual image). The real-time power consumption of individual home appliances connected to a power-measuring tap can be checked on a dedicated tablet.

な電モニタ 並べ替え



09

RX-V100 home cleaning robotic appliance for Japan, equipped with cleaning function and Plasmacluster ions, brings comfort and a sense of security to daily life. Advanced functions such as AI, voice recognition, sensors, and smartphone connection enable interactive control, communications such as simple greetings, and monitoring of room conditions from outside. (Conceptual image)

For advanced countries to maintain their abundant lifestyles, and for newly emerging and developing countries to continue to grow, it is crucial that we develop and use fossil-free energy sources and that we save energy through the effective use of products.

With original technologies accumulated over the years, Sharp is promoting the development of energy-creating businesses through solar power generation, energy-saving products, and management systems that optimally control energy. In the Eco House at GREEN FRONT SAKAI, Sharp carries out tests for its home energy management system. Throughout the world, Sharp participates in smart community projects such as Kashiwa no ha Smart City in Chiba Prefecture.

Sharp is also promoting the development of air purification technologies. Plasmacluster technology is Sharp's unique technology that inactivates and removes airborne viruses and mold. To date, Sharp has delivered more than 30 million Plasmacluster-equipped products and ion generating devices in Japan and overseas.

Using its original technologies and in collaboration with powerful international partners, Sharp helps people around the world create energy and save energy, and live a life that is safe, healthy, and environmentally friendly. This helps advance culture, improve the well-being of communities, and realize a sustainable society.

# Contributing to a Safe, Healthy, Environmentally Friendly Life through Energy Creation and Energy Saving

Sharp utilizes the Earth's resources and energy to create products. And further energy is consumed when customers use these products. Sharp strives to recycle resources more efficiently and promote energy that does not produce greenhouse gases.

Sharp works to recycle resources by promoting the recycling of used products and by using proprietary closed-loop recycling technology for the repeated use of plastics. As a result, recycling volumes have increased. Furthermore, since the start of operations in 2004, the Kameyama Plant has recycled 100% of the water used in its production processes. In addition, Sharp's plants in Japan conduct thorough recycling of waste materials and have achieved zero discharge to landfill for the past 11 years.

Regarding energy, Sharp seeks to reduce greenhouse gas emissions by thorough energy savings in all its business activities, beginning with manufacturing at its plants. And by expanding production of solar cells and enhancing the energy-saving performance of products, Sharp contributes to the further reduction of such gases. In fiscal 2011, Sharp emitted 1.41 million tons CO<sub>2</sub>, but the use of Sharp energy-creating and energy-saving products contributed to emission reductions of 4.42 million tons CO<sub>2</sub>, 3.1 times actual emissions. For fiscal 2012 and beyond, Sharp has established a new goal and is working towards further reduction of greenhouse gases (see page 5).

# Outline of the Sharp Group

Corporate Profile	Name Head Office	Sharp Corporation 22-22, Nagaike-cho, Abeno-I 545-8522, Japan	ku, Osaka	Operations* Capital Stock*	Manufacture and sales of audio-visual and communication equipment, health and environmental equipment, information equipment, LCDs, solar cells, and other electronic devices 204,675 million yen (rounded down to the nearest million)
	Representative	Takashi Okuda, President		Number of Employees*	Consolidated: 56,756
	Founded	September 15, 1912			Entire Sharp Group: 64,429 (30,889 in Japan; 33,540 overseas)
					* As of March 31, 2012
Main Products	Audio-Visual and Communication Equipment		LCD color TVs, color TVs, projectors, DVD recorders, Blu-ray Disc recorders, Blu-ray Disc players, mobile phones, mobile communications handsets, electronic dictionaries, calculators, facsimiles, telephones		
	Health and Environmental Equipment		Refrigerators, superheated steam ovens, microwave ovens, air conditioners, washing machines, vacuum cleaners, air purifiers, dehumidifiers, humidifiers, electric heaters, small cooking appliances, beauty appliances, Plasmacluster Ion generators, LED lights, solar-powered LED lights, network control units		
	Information Equipment		POS systems, handy data terminals, electronic cash registers, information displays, digital MFPs (multifunction printers), options and consumables, software, FA equipment, ultrasonic cleaners		
	LCDs		TFT LCD modules, Duty LCD modules, System LCD modules		
	Solar Cells		Crystalline solar cells, thin-film solar cells		
	Other Electronic Devices		CCD/CMOS imagers, LSIs for LCDs, microprocessors, flash memory, analog ICs, components for satellite broadcasting, terrestrial digital tuners, RF modules, network components, laser diodes, LEDs, optical pickups, optical sensors, components for optical communications, regulators, switching power supplies		



#### Fiscal 2011 Net Sales Component Ratio by Product Group (Consolidated)







#### Principal Financial Performance Indicators (%) (Consolidated)



#### Amount of Sharp Group's Greenhouse Gas Emissions



#### R&D Expenditures (Consolidated)



#### Amount of Waste, etc. (Including Valuable Resources) Discharged by the Sharp Group



see page 54 of the Sharp Sustainability Report 2012.



# SHARP



#### **United Nations Global Compact**

Sharp became a participant in the United Nations Global Compact in June 2009. Since then, Sharp has set concrete targets for its efforts in support of the 10 principles of the Global Compact in the areas of human rights, labour, the environment, and anti-corruption, and is working to further promote these efforts throughout the Sharp Group.

## SRI (Socially Responsible Investment)\*

As of March 2012, the following SRI ratings agencies had given Sharp a favorable CSR rating or included Sharp in their SRI indices.

- FTSE4Good Global Index (UK)
- MSCI Global Climate Index (US)
- Morningstar Socially Responsible Investment Index (Japan)
- oekom research AG (Germany), Corporate Responsibility Prime Status



\* Investment in companies that fulfill not only their financial obligations but their environmental and social responsibilities as well.

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Published August 2012