# Environmental Report 2021 Krosaki Harima Corporation



# Table of Contents

1. Message from top management	1
2. Environmental conservation action policy and system	2
3. Status of our compliance with environment protection legislation	4
4. Refractory manufacturing process and energy consumption	5
5. Environmental performance data	
5-1 Greenhouse gas control initiatives	6
5-2 Initiatives to protect the co-existence of people and nature	10
5-3 Initiatives to protect water resources	11
5-4 Initiatives for the realization of a recycling-oriented society	13
6. Initiatives for co-existence with local communities	17

# 1 Environmental Report Message from Top Management

Allow me to thank all of our stakeholders for their continued and heartfelt support for our Company.

# **1.Introduction**

As corporate member of society, we recognize that it is extremely important to practice environmentally friendly corporate management, in order to grow as a company and also to work towards the realization of sustainable development goals (SDGs). At Krosaki Harima, we have been working on environmental conservation activities for many years. In 2001, we established an environmental declaration containing the statement, "We must actively work to protect the global environment in order to bequeath a beautiful earth to the next generation".

Furthermore, with the worldwide spread of initiatives to prevent global warming in recent years, Krosaki Harima made a clear statement of commitment to carbon neutrality in last year's environmental policy, and we have intensified our efforts to cut  $CO_2$  emissions.

# 2. Environmental conservation action policy and system

We have worked actively to thoroughly reduce our environmental impact, not only by complying with environmental legislation in the manufacturing stages of our refractories and ceramics, but by conserving energy and resources, reducing waste and promoting recycling across all stages, from design and manufacture to customer use and disposal.

While continuing and enhancing these steps, from last fiscal year we started new initiatives to take us towards carbon neutrality in 2050. Specifically, our aim is to reduce  $CO_2$  emissions by 50% compared to fiscal 2013 levels by fiscal 2030 and we are moving ahead with studies in product and technology development and other fields in order to achieve carbon neutrality, including carbon offsets, by fiscal 2050. In addition to reducing  $CO_2$  emissions generated in our manufacturing processes, we also plan to contribute to society through the reduction of  $CO_2$  emissions by our customers by actively providing them with our products, technologies, and solutions. Specific examples include product development and energy-saving industrial furnace design in support of the efforts of our major customers in reducing  $CO_2$  emissions in the steel industry, and the reduction of heat loss through the use of high-performance insulation materials in the ceramics industry, as we continue our active promotion of development that applies the technologies we have cultivated over the years.

It is our earnest hope that this Environmental Report will help all of our stakeholders to deepen their understanding of Krosaki Harima's initiatives in the face of environmental challenges.

> Junpei Konishi, Environmental Administrator Krosaki Harima Corporation

# KROSAKI

# 2 Environmental conservation action policy and system

Krosaki Harima adopted the "Environmental Declaration" in 2001, and has established an "Environmental Policy" as a concrete action guideline for its achievement.

In addition to reducing  $CO_2$  emissions through productivity improvements, energy saving, and product conversion in the manufacturing process, we will also continue to contribute to a reduction of society's  $CO_2$  emissions through the supply of drying-free refractory materials, the construction of refractories for energy-saving industrial furnaces and environmental furnaces, and the use of low-thermal-conductivity insulation materials for fuel cells.

In addition, in December 2021, we formulated our basic policy for sustainability activities. In order to realize a sustainable society, we will actively work on environmental issues from this perspective as well.

# **Environment Declaration**

The destruction of the environment continues on a global scale today, and we, as a corporate citizen trusted by society, are determined to actively work to preserve and protect the global environment in order to pass this beautiful earth on to our descendants.

June 1, 2001 Krosaki Harima Corporation

# **Environmental Policy**

- a. In the conduct of our comprehensive solution business for refractories and ceramics, we strive to lessen our environmental impact by combatting global warming, conserving resources, promoting recycling, reducing industrial waste and preventing pollution, etc., across all stages, from product research and development, design, and material procurement, to manufacture, servicing and customer use and disposal.
- b. We will establish an environmental management system, and have all employees strive to make continuous improvements to our environmental impact and to prevent pollution. In addition, in our activities, we will establish targets for improvement and strive for continuous improvement.
- c. We will comply with all environment related laws and regulations, as well as with agreements with our stakeholders.
- d. We will aim to achieve coexistence between the global environment and human society, and contribute to the creation of a more bountiful environment.
- e. We will work to reduce CO<sub>2</sub> emissions in order to contribute to the realization of carbon neutrality.

April 1, 2022 Krosaki Harima Corporation



# **Environmental Management System**



# **Environmental Management Cycle**





# 3 Status of our compliance with environment protection legislation

The status of our compliance with environment protection legislation is as follows.

### Table 3 Environment protection legislation compliance status

Environmental protection legislation	Compliance status
Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Envi- ronment and Promotion of Improvements to the Management Thereof (Law concerning PRTR)	We identify the target chemical substances and report the annual release and transfer amounts every year.
Act on Rational Use and Appropriate Management of Fluorocarbons (Fluorocarbon Emission Control Law)	We carry out simple inspections and periodic inspections on the target products, and confirm inspection statuses, as appropriate. In addition, we ascertain the amount of chlorofluorocarbon leaked in the previous fiscal year and report this, as necessary.
Sewerage Act	We measure the water quality of sewage wastewater to confirm compliance with regulations. In addition, we regularly inspect drainage facilities.
Act on the Regulation of Manufacture and Evaluation of Chemical Substances (Chemical Substances Control Law)	We tally the import volumes of target chemical substances and report them every year.
Noise Regulation Law	We have submitted notifications for specific facilities and are in compliance with regulation values.
Air Pollution Control Act	We have appointed pollution control managers and are in compliance with emission regulations, such as for soot and smoke.
Water Quality Pollution Control Act	We do not have any equipment or facilities that fall under the category of speci- fied facilities, but we have formulated rules and conduct drills, etc., at each work- place, especially with regard to measures to be taken in the event of a water leak.
Act on Rationalizing Energy Use (Energy Conservation Law)	We have appointed energy managers and report the following items every year. •Actual energy consumption and energy conservation plans •Results of total transport volume and energy saving plans
Act on Promotion of Global Warming Counter- measures (Law Concerning the Promotion of Measures to Cope with Global Warming)	We calculate and report our greenhouse gas emissions annually.
Poisonous and Deleterious Substances Control Act	In accordance with laws and regulations, we practice thorough control of all target products, such as keeping chemical storage cabinets under lock and key, and maintaining usage records.
Waste Management and Public Cleansing Act (Waste Management Law)	We properly store and dispose of waste products, issue manifests, keep records, and regularly report.
Industrial Safety and Health Act	We provide training and guidance on the handling of chemical substances (facilities, manage- ment, measurement, etc.) related to the Ordinance on Prevention of Organic Solvent Poison- ing and the Ordinance on Prevention of Hazards Due to Specified Chemical Substances.
Act on Promotion of Resource Circulation for Plastics (Plastic Resource Recycling Promotion Law)	In accordance with the newly enacted Plastic Resource Recycling Promotion Law, we are working to further reduce and recycle waste plastic.

\*With regard to environmental laws and regulations, we conduct internal audits once or twice a year in order to confirm that each department remains in a state of compliance. In addition, we are constantly promoting the acquisition of environment-related qualifications such as Pollution Control Manager and Energy Manager, and through the provision of training we are working to improve environmental awareness and thoroughly comply with laws and regulations.



# 4 Refractory manufacturing process and energy consumption

The type and amount of energy consumed in the refractory manufacturing process differs from product to product. Our products are broadly classified into three types: monolithic refractories, unfired bricks, and fired bricks. Figure 4 is a schematic representation of the amount of power and fuel consumed in each manufacturing process.



Figure 4 Energy consumption in Krosaki Harima's manufacturing process



# 5 Environmental performance data

# 5-1 Greenhouse gas control initiatives

## 1) Changes in CO<sub>2</sub> emissions

Figure 5-1 shows the changes in Krosaki Harima's  $CO_2$  emissions and total production of refractories and auxiliary raw materials for steelmaking.  $CO_2$  emissions reflect increases and decreases in production. In fiscal 2021,  $CO_2$  emissions increased slightly compared to fiscal 2013 due to a V-shaped recovery in refractory and auxiliary raw material production. The energy-saving measures that we have been systematically promoting since the latter half of fiscal 2021 are also progressing steadily. We will continue to promote these energy-saving measures to achieve our  $CO_2$  emission reduction targets.



Figure 5-1 Changes in CO<sub>2</sub> emissions and total production volume (FY2013 to FY2021)



#### 2) FY2021 carbon neutral activity results

#### ①All lighting throughout Company to be switched to LED

Lighting throughout the Company (plants, sites, offices) has been actively switched from fluorescent lamps and mercury lamps to LED lighting. From the second half of fiscal 2020, we accelerated the conversion to LED, and by the end of fiscal 2021, had completed conversion of about 70% of all lighting to LED. (Figure 5-2) The switch over will continue, and our aim is to switch to full LED lighting in fiscal 2022.



#### <sup>(2)</sup>Introduction of power saving system for air conditioners

We have installed external energy-saving operation control devices for air conditioners of a certain size or larger in the Company. As shown in Figure 5-3, the air conditioning power consumption at the Yahata Area Control Center fluctuates from month to month, and peaks in the summer (August). However, through stable control of the control devices throughout the year, we have achieved an annual average reduction rate of 14.3%. In 2021, we introduced



Figure 5-3 Power consumption reduction effect of air conditioning control systems (Yahata Area Control Center)

33 operation control devices and continue to operate them at various plants and offices. We will continue to expand the introduction of these devices in fiscal 2022.

# ③Energy conservation by limiting the amount of heat released from the refractory brick drying furnace in the plant (using heat shield sheets)

From the latter half of fiscal 2021, the outer wall of the drying furnace was covered with heat shield sheets (Photo 5-1), and as a result of promoting energy conservation by limiting the amount of heat released from the furnace, fuel consumption was reduced by approximately 8%. In fiscal 2022, our plan is to expand the application of these heat shield sheets to numerous drying furnaces and firing furnaces used by Krosaki Harima.

Along with expansion of the measures described above, we will introduce additional measures as we advance our initiatives.



Photo 5-1 Drying furnace with heat shield sheets



#### 3) Providing CO2 reduction and other global environmental conservation oriented solutions to customers

#### ①Krosaki Harima thermal ceramics

Heat is an essential in practically all aspects of industry. The strength of Krosaki Harima's Ceramics Division is that we can apply the knowledge and technology related to heat control that we have developed in our work with refractories to heat insulating materials. In recent years, with the reduction of  $CO_2$  emissions being widely demanded as a countermeasure against global warming, we continue to contribute to the reduction of society's  $CO_2$  emissions through the application of our low thermal conductivity insulation materials (nano insulation material) to household fuel cells (Ene-Farm) and every kind of industrial furnace.



Photo 5-2 Nano insulation material and flame

Applications: Steelmaking process, household fuel cells (Ene-Farm), automobiles, household electrical appliances, industrial furnaces, etc.

**Features:** Krosaki Harima's nano insulation material is highly insulating with a thermal conductivity lower than that of still air, so it is possible to minimize the energy loss that occurs when energy is wasted without being converted into electric power or motive power.

Reducing this loss contributes to the miniaturization and weight reduction of energy-saving equipment.



Figure 5-4 Insulation material temperature image



Figure 5-5 Thermal conductivity graph \*Values for each type of insulation material are representative and are not guaranteed ones.

# Products that are safe for people and the environment

At Krosak Harima, we sell fibrous insulation materials that use biosoluble fibers (BSF), which present only a low level of hazard to people and the environment. We are also responding to the demand for alternatives to RCF products, which are designated as specific chemical substances due to concerns about carcinogenicity and other hazards to the human body.



Photo 5-3 Biosoluble fiber "Super Wool®"



②Krosaki Harima industrial furnaces "Heat" is indispensable in every aspect of industry, not only in the manufacture of steel and cement, but also in that of glass and chemical products, power generation and incineration facilities, and in the refractories that Krosaki Harima manufactures. The equipment that controls heat is a "furnace," and the furnaces used for industrial products are collectively called "industrial furnaces." By installing



Photo 5-4 Energy-saving reheating furnace

the high-performance refractories developed and supplied by Krosaki Harima's Refractory Manufacturing Division to the energy-saving industrial furnaces designed by the Furnace Division, we have improved the energy efficiency of industrial furnaces, thereby contributing to the reduction of  $CO_2$  emissions.

# Contributions to energy saving by the joint efforts of the Refractory Manufacturing Division and Furnace Division(Engineering and Construction)

Construction engineering of industrial furnaces with excellent exhaust heat recovery performance

Suppression of exhaust heat volume, lowering of exhaust heat temperature

Providing refractories with excellent thermal insulation performance

Reduction of thermal loss from furnace walls

# ③Refractory construction for biomass power generation boilers

We construct and sell refractories for boilers for biomass power generation. "Biomass power generation" is a power generation method that uses biomass (energy resources produced by living organisms, excluding fossil fuels such as petroleum). Electrical power is generated by directly burning biomass, the energy source, or by fermenting and gasifying it and then burning it to extract energy and generate electricity. It is attracting global attention as an electrical power generation method with low environmental impact. As the demand for biomass power generation is expected to increase further in the years ahead, we will contribute to environmentally-conscious power supply through the construction and sale of refractories.



Figure 5-6 Image diagram of biomass power generation



# 5-2 Initiatives to protect the co-existence of people and nature

### 1) Reduction of industrial waste

Figure 5-7 shows the volume of brick scraps and sludge discharged as industrial waste from our plants. This discharge is gradually decreasing. We will continue to work to further reduce discharge and improve recycling rates.



Figure 5-7 Changes in company-wide industrial waste (brick scraps, sludge) discharge

#### 2) Pollutant discharge management, chemical substance management

At Krosaki Harima, we continue to strive to control air pollutants, such as the dust, sulfur oxides and nitrogen oxides, etc., that are contained in the soot and smoke that are emitted by manufacturing equipment such as firing furnaces, drying furnaces and boilers. We are working to protect local environments by setting voluntary control values for soot and smoke and strengthening our control of these emissions. In addition, with regard to the handling of poisonous and deleterious substances, in compliance with the pertinent laws and regulations, we practice thorough control of such products, such as keeping chemical storage cabinets under lock and key, and maintaining usage records.



Photo 5-5 Soot and dust measurement



# 5-3 Initiatives to protect water resources

#### 1) Management and reuse of discharge water

At Krosaki Harima, we have been continuing water conservation activities for many years as part of our efforts to protect water resources. In fiscal 2021, our company-wide water usage was 359,000 tons, an 18% reduction from 436,000 tons in fiscal 2013, showing a gradual decrease in the amount of water usage over the past eight years. (Figure 5-8) We are also taking on the challenge of recycling wastewater, thereby contributing to the

reduction of water usage and wastewater discharge. Some of our plants are working to purify their wastewater at the water treatment facilities and reuse some of that in the manufacturing process (Photo 5-6), and we plan to actively promote the reuse of water throughout the Company's operations in the months and years ahead.

Going forward, we will continue to thoroughly maintain and manage our facilities to conserve water and use environmentally-friendly wastewater.



Figure 5-8 Changes in company-wide water usage volume (FY2013 to FY2021)



Photo 5-6 Water treatment facility Yahata Area)

#### At Yahata Area, from FY2022,

In Yahata Area, construction work to connect the factory and the water treatment facility is scheduled for fiscal 2022 and beyond, enabling the recycling of water.



### 2) Training to prevent pollution of public water resources

Every year, in Yahata Area and Bizen Area, we hold drills that imagine an incident in which oil flows out from the rainwater gutters, and we train to use sandbags and lay oil booms to stem flooding. These drills are conducted based on the assumption that, in Yahata Area, the water will flow into the Kuki River that flows along the area, and that in Bizen Area it will flow into the adjacent Seto Inland Sea. Training our staff to anticipate and respond to the risk of accidents at each workplace means that, in the unlikely event that an environmental accident occurs, all of our workers will be able to respond quickly to protect the local rivers and sea from pollution.



Photo 5-7 Oil boom deployment training (Yahata Area)



# 5-4 Initiatives for the realization of a recycling-oriented society

#### 1) Reduce - Limiting industrial waste

#### ①Reducing the amount paper used in the office

At Krosaki Harima, we are working to reduce the amount of office paper used by holding online meetings and using conference rooms with projectors and monitors, and running no-misprint campaigns. As a result of these activities, our company-wide office paper usage in fiscal 2021 was 3,422,000 sheets (3,912,000 sheets in fiscal 2020), a reduction of 490,000 sheets (-12.5%, year on year).



<sup>(2)</sup>Active use of online meetings

As part of the drive to reduce the amount of paper used in the office, we have been making active use of online meetings. Going forward, we will continue to work actively for global environmental conservation through teleworking and other activities that help to limit the generating of garbage.

③Electronic seals

Switching to a document approval method using an electronic seal, instead of being stamped or signed on paper, has lead to a reduction in the amount of OA paper used.



Photo 5-8 Personal booth for online meetings

## Reduction of industrial waste by participating in activities to recycle work clothes and helmets

Since 2019, we have participated in activities to recycle work clothes and helmets. For the work clothes, we have Midori Anzen Co., Ltd., the supplier, recycle them in their recycling system called "MIDORI WIDEACS." Collected used work clothes are garneted and processed into felt and finally used in soundproof sheeting for automobile interiors.

Additionally, we have our helmet supplier, Nippon Kanryu Industry Co., Ltd., collect used helmets and participate in the Tanizawa Eco Approach operated by the helmet manufacturer, Tanizawa Seisakusho, Ltd. Recycled helmets find new life as clean energy to be used in the factory at the environmental countermeasure facility "Ecolo (Clean Energy Recycling Plant)".



## 2) Reuse

### ①Reuse of wooden pallets and container bags

At Krosaki Harima, we are working on reusing the wooden pallets that are used for loading products and the container bags used for packing raw materials and products. Wooden pallets can be reused about 10 times per pallet by repairing damaged parts and reinforcing worn parts. Each container bag is reused about 3 to 5 times by inspecting used bags for damage and cleaning them so that they can be used again. Going forward, we will continue to promote the effective use of resources and global environmental conservation by actively promoting reuse initiatives.



Photo 5-9 Pallet Management Center



Photo 5-10 Container bag cleaning station

## 3) Recycle

## ①Promotion of refractory recycling

At Krosaki Harima, we have been using recycled products since the company was founded, and for more than 20 years we have collaborated with our customers to further expand the use of recycled products while maintaining quality. We also undertake recycling contract work at customers' steelworks and promote the reduction of industrial waste and the recycling of refractories through a

comprehensive range of activities, from the collection and sorting of used refractories to their use in the manufacture of new products. Going forward, we will continue to actively promote recycling activities for the building of a recycling-oriented society for refractory raw materials, which are finite resources.



Figure 5-10 Refractory recycling process



Figure 5-9 Refractory recycle flow



Photo 5-11 Used refractories after crushing and grading



## <sup>(2)</sup>Development and delivery of recycled landscape materials

Our Ceramics Division develops and delivers recycled landscaping materials that reduce the burden on the environment by using various waste materials such as factory waste and construction site excavated soil as raw materials. We believe that our efforts will help promote "new town development" by building a recycling-oriented society through the reduction of the environmental load by the use of products that have excellent water permeability while maintaining their aesthetic appeal in landscaping, as well as by recycling industrial waste.

## Recycled bricks "Neo Series"

High temperature firing reinforces the binding of the raw materials, resulting in high quality reproduction. ●Recycle rate: 60%

Recycled paving slabs "Krosaki LS Paving Kawara" Roof tiles from the historic Kokura Castle have been used as

Kitakyushu-specialty products rooted in the local community

Main recycled raw material: tiles from Kokura Castle, molten slag

 Main recycled materials: refractory brick scraps, urban waste, etc.





Photo 5-12 Island City (Higashi Ward, Fukuoka City)



Photo 5-13 Senba Square (Kokura-Kita Ward)

# Recycled thin-layer color paving "Cera Stage"

Recycle product developed as thin-layer color paving • Recycle ratio: 50%

 Main recycled materials: tiles from Kokura Castle, ceramic scraps



Kitakyushu City certified recycled

recycled raw materials.

Recycle ratio: approx. 20%



Photo 5-14 Sone Rinkai Park (Kokura-Minami Ward)

All of the above products have acquired "Kitakyushu City recycled construction materials certification." This certification is granted based on a comprehensive evaluation of the environmental impact of each of the products at all stages, from manufacture and use to disposal or reuse, in addition to the aspects of performance, quality and economy. We will continue to develop new projects with a keen awareness of our responsibility to play a part in urban development, in accordance with Kitakyushu City's environmental measures.

\*1 Eco Mark Certification https://www.ecomark.jp/

\*2 Fukuoka Prefecture recycled product certification program https://www.recycle-ken.or.jp/nintei/index.html

\*3 Kitakyushu City recycled construction materials certification program https://www.city.kitakyushu.lg.jp/gi-kan/02300009.html



# Reusing refractory bricks that have served their purpose in steel manufacturing and recycling them as landscaping materials

The Former Yasukawa Residence (designated by Kitakyushu City as a tangible cultural property) is located in a corner of Yomiya Park in Tobata Ward, Kitakyushu City. This is the mansion where Keiichiro Yasukawa, an entrepreneur who built the foundations of Kitakyushu City, lived. Designated as a tangible cultural property of Kitakyushu City in 2018, the house is now fully open to the public from April 2022.

The garden created as part of the Former Yasukawa House Utilization Project is named the Iron Memorial Plaza. Silica bricks that have served well for decades in high-temperature furnaces are being recycled as landscape materials for the paving in this garden. At this site, the bricks that were actually used in the steelmaking process are now finding new roles as paving landscape materials, with each one having its own, unique colors and hues.



Photo 5-15 & 16 Former Yasukawa Residence "Iron Memorial Plaza"



# Initiatives for co-existence with local communities

### Donations of exhibits to the Kitakyushu City Science Museum "Space LABO" (Kitakyushu City, Fukuoka Prefecture)

As a local manufacturing company, Krosaki Harima donated a set of exhibits to the Kitakyushu City Science Museum "Space LABO", which opened in April 2022.

In the corporate exhibition area on the second floor, there is our non-contact refractory manufacturing demo game as well as exhibits including samples of refractories and raw materials we donated. In the Space Exhibition Area on the 3rd floor, there are exhibits of fine ceramics we donated for use in satellites (prototypes under contract with JAXA). We hope that these exhibits will inspire the children who will drive the future to develop an interest in science and manufacturing.



Photo 6-2 Exhibits of samples of refractories and raw materials



Photo 6-1 Refractory manufacturing demo game



Photo 6-3 Exhibits of fine ceramics used in satellites

### Contribution to greening by participating in "sponsoring flower beds" (Kitakyushu City, Fukuoka Prefecture)

We have been supporting Kitakyushu City's Flowers for Town Beautification Project as a flower bed sponsor since the first year of the project. By 2021, we had been sponsoring the project for 15 years. The aim of the project is to promote the creation of a beautiful, pleasant, and enriching town by actively incorporating flowers into street corners. There are flower beds with the Krosaki nameplate in Katsuyama Park at the South Exit of JR Kokura Station, Kokura-Kita Ward, and in front of JR Kurosaki Station, Yahata-Nishi Ward. In the future also, we want to continue to make efforts to collaborate with Kitakyushu City's project and revitalize Kitakyushu as an environmental city.



Photo 6-4 Nameplate at JR Kokura Station South Exit



Photo 6-5 Nameplate at JR Kurosaki Station



#### Higashihamamachi Underpass Renovation (Kitakyushu City, Fukuoka Prefecture)

In 2019, we celebrated the 100th anniversary of the Company's founding, and as part of the commemorative project, we renovated a railway underpass that leads from the Head Office to National Route 3 under the title of "Higashihama Route 1 Beautification Project." The inside of the underpass itself is decorated with panels reflecting the history of Krosaki Harima and Yahata Steel Works (now Nippon Steel Kyushu Works Yahata Area) and passers-by are greeted by the sight of seasonal flowers in flowerbeds using landscape bricks made by Krosaki Harima, which is much appreciated by local people.



Photo 6-6 Higachihamamachi Route 1 Railway Underpass



Photo 6-7 Inside the railway underpass

**Opening natural disaster emergency evacuation sites to local residents (Kitakyushu City, Fukuoka Prefecture)** Krosaki Harima has agreed to make the Head Office and training center available as evacuation shelters for nearby residents in the event of an emergency (accommodating approximately 175 people). As part of the "Minna de Bousai (Disaster Prevention Together) Project," which is Kitakyushu's initiative to strengthen local disaster prevention capabilities, we are endorsing the establishment of emergency evacuation areas for each disaster prevention neighborhood association, with the aim of having zero casualties in the Kurosaki Chuo school district (Jinyama), in which Krosaki Harima's Head Office is located. In the future, we will continue to contribute to regional disaster prevention as a local company.



# Coexisting with local communities and bequeathing a beautiful Earth to future generations

