

Mitsui Kinzoku has been included in the following SRI (social responsibility investment) indices as of June 2018.

MSCI (Windowski) 2018 Constituent MSCI Japan Empowering Women Index (WIN)

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CSR REPORT 2018 MITSUI KINZOKU

Although it is difficult to contribute to all of the Sustainable Development Goals (SDGs), the business processes of Mitsui Kinzoku do involve many of them. We excavate the natural resources of Mother Earth to refine them and make them into materials useful for industry and daily life. We then add value to them through the application of creative ideas and continuous efforts to improve our techniques. In the process of producing something useful, the generation of waste and emissions is unavoidable. Throughout our company's history, our efforts have always been focused on properly controlling the balance of what benefits and what adversely affects society. This is why we can comfortably accept the principle that "no one will be left behind."



About this report

Mitsui Kinzoku Group publishes a CSR Report every year to give stakeholders a better understanding of our approach and activities related to our corporate social responsibility (CSR), for creating a sustainable society.

This report mainly explains the progress of materiality issues in our CSR activities in the previous fiscal year.

[Publication]

July 2018 (Previous publication: July 2017, Next scheduled: July 2019)

[Coverage]

This report focuses on figures for fiscal 2017 (April 2017 - March 2018). It also contains details of initiatives prior to that period, and initiatives that are underway for fiscal 2018 and beyond.

[Scope]

This report covers Mitsui Kinzoku (non-consolidated), as well as consolidated domestic/overseas affiliates. We started gathering data related to CSR for Mitsui Kinzoku Group in fiscal 2016, including areas such as the environment and personnel. Figures whose accuracy cannot be verified sufficiently have been omitted from this year's report. Notes are included to indicate the scope of individual sets of data.

[Reference guidelines]

This report has been compiled with reference to ISO 26000 and the Environmental Reporting Guidelines (Ministry of the Environment, 2012 version).

Basic policies, promotion systems, major indicators and specific measures are stated according to the disclosure requirements of the GRI Standards.

We will continue the publication of the CSR Report, in addition to CSR activities, with the aim of disclosing as much information in this report as possible to facilitate further dialogue with all of our stakeholders.

[Disclaimer]

· In addition to facts about Mitsui Kinzoku Group past and present, this report contains decisions, plans and other forward-looking statements based on information available at the time of writing. Please bear in mind that social situations in the future, and the actual results of our business activities, may vary from the forward-looking statements contained herein.

· Figures in tables and graphs are rounded and may differ from total values.

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Mitsui Kinzoku Group is featured by a variety of techniques and long experience mainly in the non-ferrous metal material field.

Our Corporate Slogan, "Material Intelligence" means the creation of products and solutions for solving environmental and social issues through effective use of our techniques/experience and the natural resources.

The year 2024 is the 150th anniversary of Mitsui Kinzoku. We have produced many original products from non-ferrous metals and have strived for stable supply. Our supply network has been expanded globally since the 1960s and 40 sites have been opened overseas.

In our long history, we experienced many challenges. Many business projects had to be withdrawn and we often had to streamline our workforce.

I recognize rising global necessity for the corporate responsibility. In addition, our severe experiences have made me acknowledged that I am responsible for driving Mitsui Kinzoku Group to the sustainable growth despite changes of economic conditions such as unstable market prices of non-ferrous metals or exchange rates.

The 150th anniversary is not our final goal. Mitsui Kinzoku Group pursues to create value for successful growth into the distant future.

I believe that accelerating our CSR effort and fulfilling corporate responsibility lead to the sustainable growth of Mitsui Kinzoku Group. Our corporate sustainability contributes to the sustainable future of all stakeholders of the Group.

We are formulating a new mid-term management plan beginning from FY 2019. The management plan will lead to the integration of CSR activities with management strategies with emphasis on sustainable growth of our Group and society, which will help achieve the worldwide goals such as the SDGs.

In the last fiscal year, we launched an internal project of "work style reform." Under this project, we have been discussing relevant issues in order to introduce innovative measures to create new value.

We would appreciate our stakeholders' continuous understanding and support.

Evolving corporate sustainability leads to solving global environmental and social issues

President, Representative Director



Keiji Nishida <Profile>

1957 Born in Fukuoka

1980 Joined Mitsui Kinzoku

2008 Head of Finance Department

2011 Director and Chief Financial Officer

2014 Representative Director, Senior Managing Director

2016 Representative Director, President



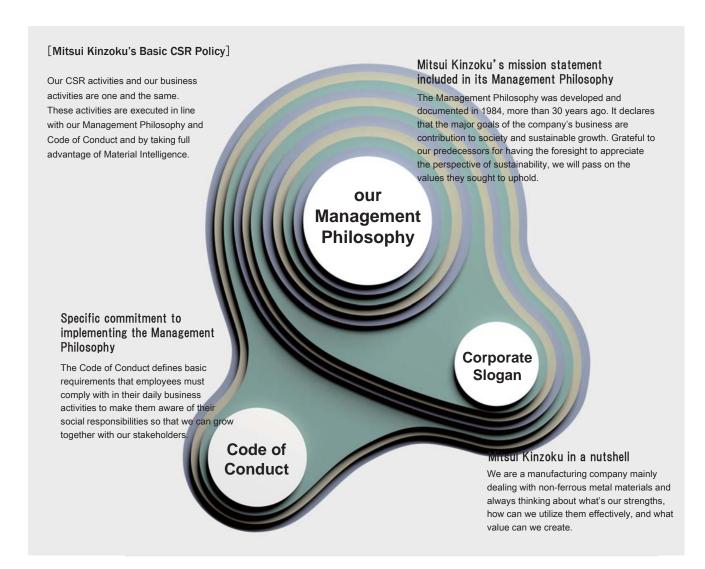
Putting our Management Philosophy into practice

Our approach to CSR

The basic idea underpinning our concept of corporate social responsibility is to put our Management Philosophy into practice. Mitsui Kinzoku's Management Philosophy, which was developed more than 30 years ago, is aimed at allowing us to "explore products of value to society" and ensuring "the eternal growth of our group."

The concept of the Management Philosophy is in line with our aspiration for addressing social issues and contributing to building a sustainable society. The Corporate Slogan and the Code of Conduct serve as supplementary provisions of the Management Philosophy. In 2016, the Management Philosophy, the Corporate Slogan, and the Code of Conduct were integrated to form Mitsui Kinzoku's Basic CSR Policy.

Firmly guided by this Basic CSR Policy, the entire Group is committed to promoting CSR so that all executives and employees of Mitsui Kinzoku Group can exercise their responsibility toward stakeholders.



经营理念

創造と前進を旨とし With creativity and productivity,

価値ある商品によって社会に貢献し We, Mitsui Kinzoku Group, will explore products of value to society,

社業の永続的発展成長を期す and seek an eternal growth of our group.

三井金属鉱業株式会社

【スローガン】 Corporate Slogar

マテリアルの知恵を活かす

Taking full advantage of Material Intelligence

Code of Conduct

This Code of Conduct applies to all the directors, officers and employees of Mitsui Mining & Smelting Co., Ltd. (Mitsui Kinzoku) and its Group companies.

1. Our Social Mission

We shall contribute to society by providing valuable products

2. Self-Awareness and Social Responsibility as a Member of our Corporate Group We shall always be mindful of our role as a member of the Mitsui Kinzoku Group and act with dignity and responsibility. while positively conducting social action programs by facilitating communication with all stakeholders.

3. Compliance We shall comply with domestic and international laws and regulations as well as our company's regulations, and shall act in accordance with the conscience of our society.

4. Fair Business Activities

We shall conduct appropriate business activities based on free and fair competition We shall also maintain healthy and transparent relationships with political parties and factions, the government, and business partners, while making sure not to get involved in corruption.

5. Rejection of Antisocial Forces We shall resolutely confront antisocial forces and organizations and thoroughly prohibit all relationships with them.

6. Proactive Information Disclosure and Comprehensive Information Management We shall proactively and fairly disclose corporate information and comprehensively protect and manage confidential information, including personal and customer information.

7. Contribution to the Natural Environment We shall address environmental issues to help realize a sustainable society.

8. Provision of Comfortable Work Environment We shall provide a safe and comfortable work environment that respects the human rights, personalities, and uniqueness of our employees, while providing a place where a diverse range of human resources can play an active role.

9. Demonstration of Leadership by Senior Management Top management shall recognize that it is their responsibility to realize the spirit of this code, and act on their own responsibility while demonstrating leadership.

[Revision 3rd edition as of July 2016]

Mitsui Kinzoku Group's CSR

For social sustainability and our own sustainable development growth

Mitsui Kinzoku Group aims to achieve its own sustainable growth and sustainable environmental, social, and economic growth in the world. The Group's CSR efforts represent an approach to achieving these doals.

In 2016, our group-wide CSR efforts started, under which we have identified our stakeholders and materiality (material issues) and strived to clarify the conditions and orientation of our CSR activities.

To achieve both corporate sustainability and environmental and social sustainability, our CSR activities should be evolved into the integration with management strategies. In order to draft a roadmap for the integration with management strategies, we conducted a materiality assessment in FY 2017. We have also set up a policy, commitments (targets) and annual plans for each material issue. In addition, the group-wide CSR management system has been established. Ultimately, we expect the achievement of our corporate value creation process and global sustainability, which are outlined in the Group's vision of CSR.

§ 1 Stakeholders

As a result of globalization, corporate activities today have been increasing economic, environmental, and societal impacts beyond national borders. Mitsui Kinzoku Group is no exception to this trend, having likewise expanded its business activities throughout Japan and various regions around the world. Accordingly, we understand that the Group's business and decisions now have wider-ranging effects than ever before.

Mitsui Kinzoku Group considers the organizations, individuals, and natural environments that are affected by our business and decisions to be our with respect to economic, "stakeholders" environmental, and social impacts (the triple bottom line). We recognize that achieving our CSR objectives means fulfilling our social responsibilities toward our stakeholders, in other words fulfilling sustainability of both the Mitsui Kinzoku Group and the world.

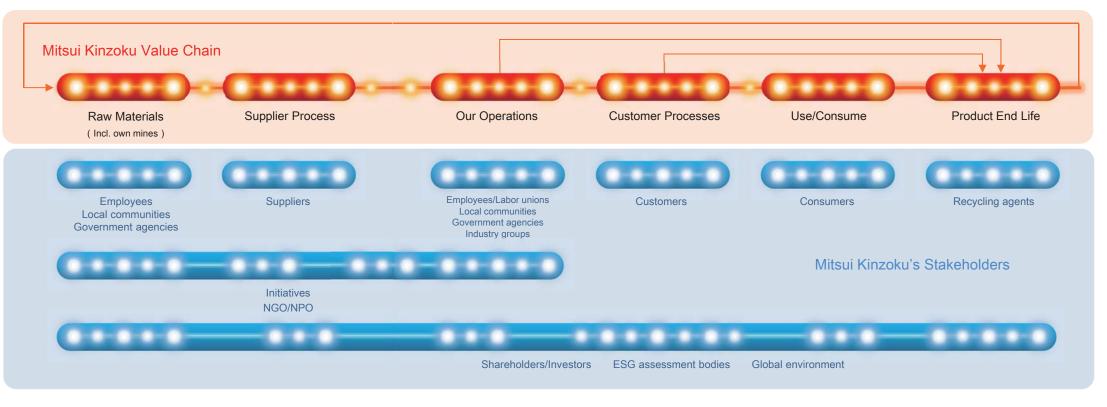
The Mitsui Kinzoku Group Code of Conduct encourages employees to communicate with all stakeholders. The Human Rights Policy and the Corporate Governance Guidelines also encourage them to respect stakeholders and have dialogues and discussions with them appropriately

For CSR efforts, it is therefore necessary to first identify the Group's stakeholders. We then must recognize our impacts on the stakeholders. We need to take opportunities to expand and deepen stakeholders' engagement, and listen to their longterm requests and understand their expectations. Their expectations for sustainability will be taken into account in the Group's business, decision-making, and management.

Stakeholder identification

Mitsui Kinzoku Group considers identification and review of stakeholders using an appropriate method are vital. In FY 2016, we identified stakeholders based on eight criteria specified in ISO 26000.

Our business ranges from mining, procuring of materials and smelting, and manufacturing of materials and parts, to recycle-smelting using waste products as raw materials. These are all connected in the form of a value chain loop. Based on this value chain loop, we asked ourselves a question informed by one of the eight criteria: Who will be affected in the value chain? With this guestion placed at the center, the seven other criteria were used to identify stakeholders. Those who are most extensively affected in the value chain and most highly related to the seven criteria are identified as major stakeholders.



Stakeholder Mapping along the Value Chain

decisions. In 2018, as part of the grievance mechanism, we established the CSR Inquiry Line on the website of Mitsui Kinzoku. www.mitsui-kinzoku.co.jp/input_form/?division=31&mode=input_form

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- ISO 26000 recommends that organizations (companies) consider the following questions in identifying potential stakeholders:
- To whom do they have a legal obligation?
- · Who will be affected positively or negatively by their decisions or activities?
- · Who can express their concerns on their decisions or activities? · Who were involved in the past when they had to deal with a similar issue?
- · Who can help them in addressing a specific impact?
- · Who can affect their abilities to fulfill their responsibilities?
- · Who would suffer disadvantage if excluded from engagement?
- · Who would be affected in the value chain?

- "Who will be affected in our value chain?"
- It is possible that potential stakeholders remain unidentified and such stakeholders can be adversely affected by our Group's business and

Stakeholder Engagement

In FY 2017, we carried out engagement activities with major identified stakeholders by taking advantage of various opportunities.

Main Stakeholder	Actual Engagement 2017	Approach Method Dialog, Consultation		
Shareholders/Investors	 Dialogues with investors in Japan, London, Hong Kong, and Singapore Meetings to explain our business activities to investors at two Group sites Private meetings with individual shareholders and investors to provide an explanation of our business activities and to share opinions 			
Employees/Labor unions	 An employee satisfaction survey, including temporary employees, implemented every three years Operation of the Mitsui Kinzoku Hotline as an internal whistle-blowing system (publicizing internally and encouraging its use) 	Communication, Dialog		
Local communities	Participation in and support for local community activities in areas where mining and manufacturing sites are located (See page 72.)	Communication, Dialog		
Suppliers	 Explanatory meetings for suppliers by Mitsui Kinzoku ACT Corporation (See page 66.) 	Communication, Partnership		
Customers (incl. consumers)	 Responses to requests from customer companies to promote CSR and mail-out and receipt of CSR survey forms Responses to inquiries and requests from corporate customers via CDP 	Communication		
Initiatives	 ITSCI member (See page 67.) Cooperation with and taking action on RMI via JEITA (See page 67.) 	Communication, Consultation		
Government agencies	 Participation and cooperation with efforts for regional revitalization (measures to address population decline) in Omuta City in Fukuoka Prefecture, where our site is located 	Communication, Partnership		
Industry groups	 Participation in the LBMA program Participation in Keidanren's Committee on Corporate Behavior & Social Responsibility Participation in JEITA Responsible Minerals Trade Working Group Participation in the Japan Mining Industry Association (JMIA) 	Communication, Consultation, Partnership		
NGO/NPO	 Responding to the CDP Climate Change Questionnaire and receipt of feedback Participation in the National Congress of Industrial Heritage as a supporting member 	Communication, Partnership		
Recycling agents	Dialogue and cooperation for process optimization aimed at reducing waste	Dialog, Partnership		

As for responsible minerals sourcing, particularly to address conflict minerals issue, we participate in ITSCI as a member and support LBMA's program for responsible gold transactions. To promote responsible minerals sourcing in general, we participate in the Responsible Minerals Trade Working Group of the Japan Electronics and Information Technology Industries Association (JEITA) as a member to support RMI's activities. We also respect the Responsible Business Alliance (RBA) Code of Conduct in internal activities and those undertaken in supply chains. (See Page 67.)

Fiftieth anniversary of official recognition of the cause of "Itai-itai disease" being related to environmental pollution

May 2018 marked the 50th anniversary of the official recognition of Itai-itai disease affecting people in the Jinzu River basin in Toyama Prefecture as being related to environmental pollution.

The Kamioka Mine of the Mitsui Kinzoku Kamioka Mining Plant (present Kamioka Mining and Smelting Co., Ltd.) was one of the main mines in Japan supplying non-ferrous metals (zinc) in the period from the Meiji era to the post-WWII economic growth period. However, cadmium emitted as a result of the mining activities caused serious health problems, soil pollution, agricultural damage, and other adverse effects in the Jinzu River basin. The disease that resulted was Itai-itai disease, known as one of the "four big pollution diseases of Japan."

The disease, which first occurred in the 1910s in the Jinzu River basin in Toyama Prefecture, was reported in a newspaper for the first time in 1955. Since then, the disease has been a focus of public concern. In 1968, the cause of Itai-itai disease was officially recognized by the national government as being related to environmental pollution. A lawsuit filed by victims of Itai-itai disease against Mitsui Kinzoku as the defendant lasted until 1972, when the plaintiffs won a full victory on appeal. Since then, Mitsui Kinzoku has made sincere efforts to compensate both people diagnosed with Itai-itai disease and those requiring observation, provide compensation for agricultural damage, cooperate in the restoration project for polluted land, and implement pollution prevention measures carried out by Kamioka Mining and Smelting.

In December 2013, the Jinzu River Basin Cadmium Pollution Victims' Group Liaison Council and other relevant organizations and our company reached consensus on a comprehensive solution to the Jinzu River Basin cadmium pollution-related problems. In response, we have decided to establish a new framework for providing compensation to Itai-itai disease patients, establishing a lump sum payment system for health management, and improving our pollution prevention measures.

While May 2018 marked the 50th anniversary of the official recognition of the cause of Itai-itai disease, our efforts to compensate patients and implement measures to prevent mining pollution at the source will continue on. To prevent such pollution-related problems from recurring, Kamioka Mining and Smelting will continue to maintain ongoing communication with local residents, maintain high levels of trust, and operate with the highest priority on environmental safety. We are determined to continue our efforts in compensating patients and preventing environmental pollution.

Key issues proposed through engagement

Stakeholder	Suggestion	Respond
Investor	Conversion to aggressive governance	Considering adding medium- to long-term perspectives to governance efforts
Investor	Future biodiversity risks	Clearly stating how to address biodiversity in the Group's Basic Environmental Policy
Customers/Initiatives	Compliance with the RBA Code of Conduct	Adoption of the concept of the RBA Code of Conduct in efforts to conduct human rights due diligence and the procurement policy
Customers/Initiatives	Tracing the origins of involvement in conflict minerals issues	 With regard to the Group's materials and products containing conflict minerals, supplier surveys are conducted using the Conflict Minerals Reporting Template (CMRT) and responses are provided to customers. As for smelting business, RMAP compliance is updated.

§ 2 Materiality

Materiality Identification

CSR efforts aim to minimize the negative impact of our company's business and decisions and increase their positive impact as much as possible, while ensuring the sustainability of the company, environment, and society. In FY 2016, we narrowed down the issues that should be addressed as priorities in line with the requests and expectations of identified stakeholders. Of them, 28 material issues, which were determined to have a substantial impact both on Mitsui Kinzoku Group and stakeholders, were identified as Mitsui Kinzoku's materiality. In FY 2017, we conducted a materiality assessment with a view to integrating CSR efforts and management strategies. The Group's vision aims to develop a value creation process and achieve sustainability of the world.

Materiality assessment

First of all, in order to clarify the impact of the 28 material issues on business management, we conducted a materiality assessment to reconsider each issue. The assessment was made in terms of risks and opportunities for corporate growth and financial profit. The ESG perspective was referenced as a method for assessing the long-term investment behavior of investors, one of the major stakeholders, that takes into account environmental and social perspectives. The objective of ESG investment is to establish a sustainable economic system by considering environmental, social, and governance aspects. The concept of ESG suggests approach to integrating CSR activities and management strategies.

Materiality Identification Step

Step 1

Identify issues based on the seven core subjects of ISO 26000 and in reference to the Global Reporting Initiative (GRI) guidelines (G4) and the Sustainable Development Goals (SDGs).

Step 2

Identify issues based on the assessments by ESG assessment bodies and responses to surveys regarding socially responsible investing (SRI). Narrow down the candidates by cross-referencing the issues identified in Step 1 with those in Step 2.

Step 3

Based on identified stakeholders, sort out and analyze their major expectations and requests.

Step 4

Based on Step 3, by taking into account both the materiality for stakeholders and that for Mitsui Kinzoku, map the candidate issues identified in Step 2. The CSR Committee then identifies 28 material issues for Mitsui Kinzoku, and they are approved by the Executive Council and the Board of Directors.

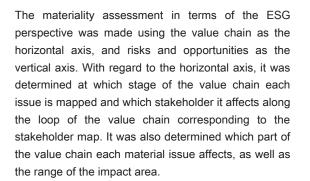
Assessment FY2017

For a future intention to integrating CSR efforts into management strategies, conduct 28 material issues assessment from the ESG perspective of investors in reference to the SDGs.

Review FY2018~

Schedule materiality review in conjunction with the next medium-term management plan (2019 Mid-term Plan). (We are planning to review material issues every three years, at the same time the medium-term management plan is prepared.)

Our process of creating value



With regard to the vertical axis, it was determined whether each material issue poses risks to our business and we must therefore reduce its impact, and whether it provides possible business opportunities.

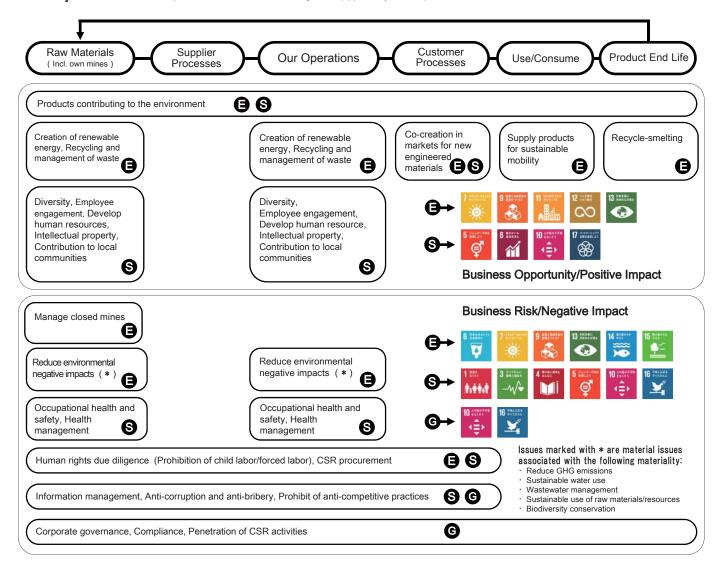
We referred to the United Nations' 17 SDGs by 2030. which are commonly shared global goals, in determining which are opportunities for the Group and which are risks. The SDGs, which provide a common language for the entire world, guides us to justify management directions and not to take incorrect management heading.

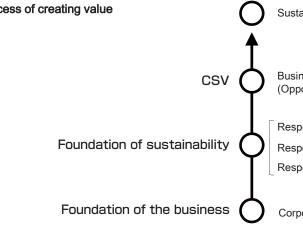
Vision for value creation and sustainability

The materiality assessment enabled to visualize the impact of material issues on our business management. Our efforts will now be directed toward developing a new medium-term management plan, reviewing material issues based on it, and integrating management strategies and CSR activities. The schematic image of our value creation process is shown in the upper figure on page 15: Our process of creating value.

Based on the structure of materiality, we must firstly strengthen our corporate governance as the foundation of our business. Secondly, we need to enhance the foundation of the Group's sustainability through addressing economic, environmental, and social risks (risks of the triple bottom line). Thirdly, we will promote the business concept of Creating Shared Value (CSV) utilizing opportunities, which pursues business that simultaneously create economic, environmental, and social value. Creating shared value can be achieved by integrating our CSR activities and management strategies and it leads to





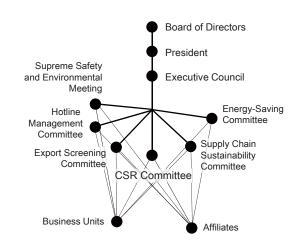


Concepts we referred to: Triple bottom line (GRI, DJSI etc.), CSV (Creating Shared Value), Opportunity and Risk by ESG

corporate sustainability. Finally, corporate sustainability will evolve to contribute to sustainable environmental, social, and economic growth on a global scale.

§ 3 CSR Management

Mitsui Kinzoku Group has established a management organization and system to address material issues efficiently and appropriately.



Organization to address materiality

Responsibility for each material issue lies with a subcommittee of the CSR Committee. Issues that must be addressed by each business line are the responsibility of a committee in charge. These committees and subcommittees report their activities at a monthly CSR Committee meeting and share their problems and concerns.

The CSR Committee, which is responsible for promoting CSR activities throughout the Group, is chaired by the President and participated in by all corporate departments. It has seven subcommittees, which are composed of the seven core subjects of ISO 26000. The CSR Office, which is dedicated to the CSR activities, serves as the secretariat.

Plan

Act

Business contributing to triple bottom line sustainability **ES** (Opportunity)



Responses to economic risks

Responses to environmental risks

Responses to social risks S

Corporate governance enhancement G

Management System

Based on the management organization, the management system was introduced. Under the system, the PDCA cycle is performed annually. For each material issue, the Group has set a policy that includes a particular target. (See the next page 16, for details on the materiality and progress list.)

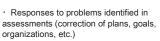
Each subcommittee and committee in charge conducts routine check and assessments every one to three years to review concerns and risks. For identified risks, a plan for improvement is developed and a further assessment is made. The CSR Committee reports annual activities at its meeting, assesses these activities, and discusses how to

The Board of Directors is responsible for assessing overall CSR activities and the CSR management system on a regular basis. It also reviews and approves CSR reports, which summarize the objectives, action plans, and achievements of materiality for each fiscal year. With regard to important events and decisions, the Board decides whether to approve them and also

Basic CSR Policy · Managers responsible for CSR promotion and the internal organization Identification of materiality issues Policy for each materiality issue · Setting of goals and KPIs



 Implementation of action plans by subcommittees of the CSR Committee and other committees in charge



Check

· Monthly progress management and information sharing by the CSR Committee · Assessment of overall annual activities in the CSR Committee meeting at the end of each fiscal vear

· Assessment of CSR efforts by the Board of Directors

Progress of Material Issues

Materiality in CSR Activities

List of material issues with the commitments, the performance in fiscal 2017 and the future plan.

	Materiality	Policies	Related SDGs	[Commitment] Ideal Goals	Plan for FY 2017	[Assessment standar △ : Not achieved as plann ○ : Achieved as planned Performance in FY 2017 and self assessment ◎ : Achieved more than pl	ned -
0	Organizational Governance 1 Strengthen of corporate governance	Corporate Governance Guidelines		Implementation of the Corporate Governance Code and enhancement of deliberations by the Board of Directors	Review of the implementation of the Corporate Governance Code (ex. Amendment to the articles of incorporation, self-assessment by directors, etc.)	 Effectiveness assessment of the Board of Directors by a third-party organization. Full compliance with all the items of the Corporate Governance Code has been confirmed. More efforts for improvement will be made. 	0
0	2 Full enforcement of compliance	Code of Conduct		Spreading of compliance awareness group-wide	 Conduct a compliance awareness survey Ensure all employees are informed of the Compliance Guidebook through legal audits and by training 	 (Japan) Compliance training was provided for personnel in charge of compliance. (Overseas) Training was provided at sites in China. The Chinese version of the MHL (internal reporting system) was launched. A compliance awareness survey was conducted to confirm the level of awareness among employees. Compliance training was provided to the Group's executives (jointly to directors and auditors) 	0
0	3 Information management	Code of Conduct		Establishment of a management system for confidential information at sites beside priority sites	 Establish and spread information management regulations group-wide Hold seminars 	 A review of sales confidential information was made at five priority sites. Discussion was held on what method and system would be most suitable for each department. Seminars on information management were provided to executives and staff in charge at four major sites. 	0
0	4 Spread CSR throughout the Group	Basic CSR Policy		Establishment of the CSR promotion system and each site's taking the initiative	 "CSR Caravan" at overseas model sites CSR training in various programs 	 "CSR Caravan" was conducted at sites in China. CSR training was provided to the Group's executives. CSR-related information was distributed via the intranet, internal magazine, etc. (four times in total). 	0
	Human rights 5 Human rights due diligence (DD) 6 Prohibition of child labor/forced labor	Human Rights Policy		Understanding of the actual situation of the Group's sites and addressing human rights risks, through human rights due diligence	 Provide human rights training Identify the Group's human rights risks Prepare the Mitsui Kinzoku Group SAQ (interviews with external experts) Due diligence for a model site 	 Training on human rights was provided in rank-based training and CSR Caravan at sites in China (including prohibition of child labor and forced labor). The group-wide human rights risks were assessed and critical risks were identified. The Mitsui Kinzoku Group SAQ for internal use was developed based on advice received from external experts. Human rights DD was conducted at a model site in Japan. A survey on risks in the mining business was prepared and conducted at mining sites in which the company has a majority interest. 	O
0	Labor Practices 7 Diversity	Code of Conduct	5 ****** 0 ***** 10 ****** •	Improvement of the work environment so that all employees can play an active role	 Public relations activities to employ more women Diversity training in rank-based training Spread information internally in order to raise diversity awareness Develop internal career consultants Introduce career management training Measures to reduce overtime by the Reduced Work Schedule Review Committee 	 Our facilities tours were provided for female students. Diversity training as part of rank-based training and diversity training at sites in Japan were started. Information related to diversity was distributed via the intranet, internal magazine, CSR reports, etc. An employee was certified as a career consultant. Career management training was included in the third-year training and managers' training. Various measures were taken by the Reduced Work Schedule Review Committee at different sites. 	
0	8 Employee engagement	Basic Policy for Human Resources Development	(Same as 07)	Creation of workplaces where employees feel fulfilled in their work	 Determine specific measures based on the result of the ES survey in FY 2016 	 Based on results of the ES survey conducted in FY 2016, measures and systems that should be introduced were discussed. 	O
0	9 Occupational health and safety	Basic Policy on Health and Safety		Ensuring fundamental safety at all sites and training employee to improve compliance with rules and increase their risk sensitivity	 Identify risks at sites with poor safety performance and instruct for improvement Systematic training (rank-based training, legal seminars, simulation-based safety training, RA training) /improve the database of occupational accidents and the database of worksite improvement tips 	 Number of occupational accidents: 39 in Japan, 26 overseas Training was conducted (rank-based education, legal seminars, simulation-based safety training, RA training). The first training program on how to identify useful "work points" was provided. 	

ned Implementation plan for FY 2018

)	 Relevant departments will discuss and implement the amended Corporate Governance Code. The implementation status will be disclosed to public.
)	 Measures will be taken to inform all employees of the Compliance Guidebook through legal audits and by providing relevant training at major sites in Japan and abroad Compliance training will be provided individually for executives (directors and auditors) of the Group.
)	 An review of confidential information will be made at other sites. Discuss what method and system would be most suitable for each sites. All employees will be informed of the information management regulations and their compliance ensured. Seminars on information management will be held.
)	 The Second Caravan in Japan "CSR Caravan" at major sites in Asia Materiality issues will be reviewed in line with the 2019 Mid-term Plan.
)	 Training on human rights (including prohibition of child labor/forced labor) will be continued and will also be conducted at sites in Asia. Human rights DD will be conducted at major sites in Japan and overseas model sites. The results from the survey conducted in 2017 at mining sites in which the company has a majority interest will be reviewed and corrective measures will be discussed. The survey will be continued.
١	 The efforts in FY 2017 will be continued. The target audience for the career management training will be expanded to include general officers. The eligibility criteria for the telecommuting system were expanded. The introduction of a return to work system for resigned employees will be considered. Discussions will be held on the leave system for those who need to relocate due to spousal job transfer, a system that allows employees to postpone a transfer, and other relevant systems.
)	 Relevant measures and systems, along with efforts in promoting diversity, will be discussed.
7	 A plan that takes into account the occurrences of occupational accidents in the previous fiscal year will be continuously implemented. (Educational programs on electric tools, specified chemical substances, and other sources of accidents will be started.)

Materiality	Policies	Related SDGs	Ideal Goals	Plan for FY 2017	Performance in FY 2017 and self assessment		Implementation plan for FY 2018
0 Health management	Basic Policy on Health and Safety	3 minute 	Improvement of the work environment based on the stress check survey	 Establish an organization for health management and implement a stress check survey at sites Share the group-wide analysis with the Occupational Health and Safety Committee and the board 	 An organization to promote health management was established. A stress check survey was conducted at each site. Group analysis of stress check survey results was conducted and analysis results were shared with the Occupational Health and Safety Committee and board members. 	٥	 Information on employees' health will be centrally controlled. Measures to improve the work environment based on results of group analysis of stress check survey results will be implemented.
1 Develop human resources	Basic Policy for Human Resources Development		Making full use of the abilities of each employee	 Improve training of new employees and follow-up Develop candidates for the next- generation of executives Expand target employees to undertake a self career declaration 	 As training for new employees, volunteer training, training in Shanghai for administrative staff, training at overseas sites (Engineered Materials Sector), and joint training for employees dealing with machinery and electrical equipment were introduced. For subsection and section managers, training for selecting candidates for executive positions was provided. Employees above general officers were included in target employees who are required to undertake a self career declaration. Executives Workshop was started. Follow-up training for mid-career employees was started. National staff participated in training for subsection and section managers. 	0	 Mindfulness training will be included in training for new employees. Educational programs regarding advanced technology, work style reform-related issues, business skills, etc. will be improved. Training for selecting candidates for executive positions will be provided to section and department managers. National staff over general officers will be included in the target of rank-based training.
Environment 2 Reduce GHG emissions	Basic Environmental Policy	13	Setting Group-level targets and focusing strategic efforts	 Set a medium-term target for GHG emissions group-wide Calculate the amount of GHG emissions including Scope 3 Respond to the CDP questionnaire 	 The Basic Environmental Policy was developed and the amount of GHG emissions was disclosed. We responded to CDP (Carbon Disclosure Project) requests. 		 A management system for reducing GHG emissions of the entire Group will be established. The Scope 3 GHG emissions will be identified.
3 Creation of renewable energy	Basic Environmental Policy	7 19 19	Stable generation of renewable energy at the existing facilities and completion of Kamioka hydroelectric power facilities	 Determine the status of operations using renewable energy Confirm the status of renewal construction of Kamioka hydroelectric power facilities 	 Operations using renewable energy projects progressed steadily. The refurbishment of Kamioka Hydroelectric Power Station's facilities progressed steadily. 	0	 The status of operations using renewable energy will be determine The progress of the refurbishment of Kamioka Hydroelectric Power Station's facilities will be determined.
4 Sustainable water use	Basic Environmental Policy	6 RESALTS	Setting and achieving a target amount of water intake	Determine the amount of recycled and reused water	 The amount of recycled and reused water was determined at sites in Japan. 		 The total amount of water intake, the amount of recycled water, an the amount of reused water are monitored by water source. The target for each water source will be set.
5 Wastewater management	Basic Environmental Policy	14 ****** 15 ******	Setting and achieving a target water quality	 Review the amount of wastewater and quality by discharge destinations, and set a target Acquire Pollution Control Manager Certification and educate for qualified Pollution Control Managers 	 The amount of wastewater and water quality by destination of discharged wastewater were assessed. Acquisition of the Pollution Control Manager Certification was encouraged and education for qualified Pollution Control Managers to maintain and improve their capabilities was provided. 		 The amount of wastewater and water quality by destination of discharged wastewater will be monitored and targets will be managed Acquisition of Pollution Control Manager Certification will be encouraged and education for qualified Pollution Control Managers to maintain and improve their capabilities will be provided. In an environmental audit, emphasis will be placed on wastewater management.
6 Sustainable use of raw materials/resources	Basic Environmental Policy	12 200	Striving for zero emissions and development of products with reduced use of resources	Determine of the ratio of recycled materials used	The ratio of recycled raw materials used was determined.	0	 A target ratio of recycled raw materials used will be set.
7 Recycling and management of waste	Basic Environmental Policy	2	Striving for resource circulation in the business activities including recycle-smelting	Determine of the amount of generated waste	The amount of generated waste was determined.	0	A target for reduction in generated waste will be set.
8 Biodiversity conservation	Basic Environmental Policy	14 *****	Implementation of an action plan for biodiversity	Educate corporate biodiversity conservation	 Education on efforts for biodiversity conservation expected of companies was provided. 	0	A specific action plan for efforts will be developed.
9 Manage closed mines	Basic Environmental Policy		(Japan) Development and implementation of a management plan for suspended or closed mines	 (Japan) Develop and implement a plan for maintenance and management of suspended mines Update aging pit wastewater treatment facilities (preliminary assessment, planning) Assess earthquake resistance of storage facilities (two-year plan) 	 (Japan) A plan for maintenance and management of suspended mines was developed and implemented. Aging pit wastewater treatment facilities were updated (preliminary assessment, planning). The earthquake resistance of storage facilities was assessed (two-year plan). Testing before introducing new pit wastewater treatment technology was conducted. 	0	 (Japan) A plan for maintenance and management of suspended mines will be developed and implemented. Aging pit wastewater treatment facilities will be updated and operations resumed. The earthquake resistance of storage facilities will be assessed (two-year plan). Testing before introducing new pit wastewater treatment technolog will be conducted.

Materiality	Policies	Related SDGs	[Commitment] Ideal Goals	Plan for FY 2017	Performance in FY 2017 and self assessment		
19 (Continuation from the previous page)			(Overseas) Works before mines closure	(Overseas) • Implement works before closing a mine along the mine closing plan	(Overseas) • Works before closing a mine were conducted along the mine closing plan.		
20 Products contributing to the environment	Basic Environmental Policy	9 11 22 12 (And other goals)	Development of standards for products contributing to the environment and setting of targets	Discuss regarding an internal operating system for products contributing to environment	 Efforts regarding Products contributing to the environment were specified in the Environmental Action Plan. A program comprised of two elements, contribution through products and contribution through solutions (processes, services), and definitions 	0	
Fair Operating Practices 21 Anti-corruption and anti-bribery	Code of Conduct		Anti-corruption and anti- bribery awareness	 Prepare for a written agreement on prohibition of corruption and bribery for sites 	 Interviews regarding conclusion of an agreement on prohibition of corruption and bribery were conducted at sites in China. 	0	
22 Prohibit of anti-competitive practices	Code of Conduct		Compliance with the Antimonopoly Act, the Subcontract Act, and laws related to anti- competitive practices	 Legal affairs audit and feedback at sites Training related to fair operating practices 	 Approving authority audit was conducted at Divisions under each Sector and five affiliates in Japan. Legal affairs audit was conducted at two overseas sites. Training related to the Subcontract Act was conducted at two sites in Japan. 	0	
23 CSR procurement	Procurement Policy Conflict Minerals Policy		Fulfill responsibility to reduce risks in supply chains	 Establishment of the Mitsui Kinzoku Group Procurement Policy 	 The Mitsui Kinzoku Group Procurement Policy was drafted. A supply chain management system was established. The Mitsui Kinzoku Group Conflict Minerals Policy was developed. 	0	,
24 Intellectual property	President's policy regarding intellectual property		Spreading awareness and maximum utilization of intellectual property group-wide	 Support surveys for new projects Secure and utilize intellectual property rights Educate on intellectual property Establish intellectual property infrastructure (stable operation of a new system) 	 Surveys at laboratories were supported. Educational activities related to intellectual property Training regarding intellectual property was conducted as part of BS training. Education on how to use the new system and correction of defects 	0	
25 Co-creation in markets for new engineered materials	Basic CSR Policy	9	Change to a company that, in cooperation with stakeholders, creates a succession of new products utilizing our "material intelligence"	Enhance the research and development system and revitalize seeking market opportunities to promote cooperation and partnership with external parties	(See pages 22-23 for details.)	0	1
26 Materials stewardship (recycle-smelting)	Basic CSR Policy	9	Utilization of the Mitsui Kinzoku's smelters network and increase of the collection of recycle- materials, processing capacity, and the number of processing metals	Improve the smelters' network to increase the amount of valuable metals processing and collecting capacity	(See pages 24-25 for details.)	0	(
27 Supply products for sustainable mobility	Basic CSR Policy	9	Establishment of the ACT brand by ensuring "Safety," "Comfort" and "Amazing Performance" using our manufacturing intelligence	Improve the result of quality assessment by customers	(See pages 26-27 for details.)	0	
28 Contribution to local communities	Code of Conduct	4 accurate 14 accurate 15 accurate 17 accurate 17 accurate 18 accurate 19 accurate 19 accurate 10 acc	Local communities understand and trust our business activities through social contribution activities	 Determine priority areas of social contribution activities and develop a three-year plan 	 Priority areas were determined to be 1) science and education, 2) environmental conservation, 3) culture and tradition, and 4) support for disaster-affected areas. Efforts in social contribution made by each site and each affiliate were identified and sites that are not engaged in social contribution were encouraged to promote efforts. 	0	

	Implementation plan for FY 2018
	 (Overseas) Works before closing a mine will be conducted along the mine closing plan.
0	 An organization to implement programs for products contributing to the environment will be established. Internal certification criteria will be designed. Candidate products contributing to environmental protection will be identified among existing products.
0	 A written agreement on prohibition of corruption and bribery for sites in China and Asia will be prepared and used. A sample of a basic transaction agreement will be assessed from CSR perspectives.
0	 Legal audit and feedback will be conducted at all sites of the Group. Training related to fair operating practices will be provided.
0	 The Procurement Policy will be shared throughout the Group and with suppliers. Medium- and long-term goals for supply chain management will be established.
0	 Surveys on new projects will be supported. Intellectual property rights will be secured and intellectual property will be used. Education on intellectual property will be provided and an intellectual property infrastructure will be established (improvement of the specifications).
0	(See pages 22-23 for details.)
0	(See pages 24-25 for details.)
0	(See pages 26-27 for details.)
0	The three-year action plan will be implemented.

Co-creation in the market for new engineered material

Materiality in CSR Activities

[Engineered Materials Sector]

Utilizing our core technologies, know-how and sales channels, we transform into a Market Co-creation business entity which works with market participants to create a succession of new products using our "Material Intelligence."

Besides maintaining a stable supply, it is essential for Engineered Materials Business to continuously create growing products and businesses.

Many of the products handled by the Engineered Materials Sector are bound to lose their product value at some point. We have experienced this before through the diversification of needs, fast-moving demand patterns, and the intensification of global competition. What is more, the product cycle today is much shorter than ever before. We need to establish a cycle in which we create growth businesses and products, enter the market early and make a profit while our products are still strong, and then link this to the next products and the next businesses to survive. Our Medium-Term Management Plan that began in FY 2016 has marked its final year. Engineered Materials Sector's goal over the period of the Plan is to establish the basis of a Market Co-creation business entity using our "Material Intelligence." A Market Co-creation business entity is an organization that develops new markets and creates growth businesses and products one after another by

integrating external forces including customers (the market) and strengths of the Engineered Materials Sector (core technologies, know-how, sales channels). We review our core technologies and our existing sales channels and plan our business strategy in respond to market megatrends, such as consideration for the environment, IT and health care. We execute the strategy thoroughly in a cyclical manner.

Our existing technologies and channels are not enough to enable us to create a succession of growth businesses and products in a dramatically changing society. To execute the Plan and to become the Sector we want to be in the future, we radically reviewed our research and development system and strengthened our planning departments. This was based on the judgment that collaboration with entities outside the company and co-creation with the market is essential. Engineered Materials Sector is determined to work together to create growth businesses and products, drawing on its understanding of social needs and research and development pipelines with entities outside the company.

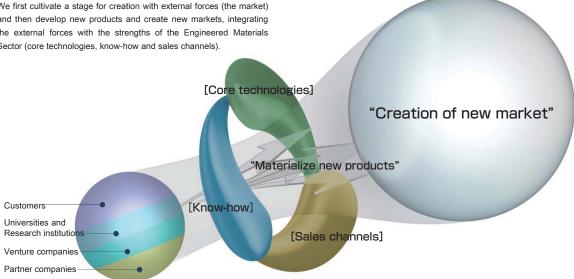


Takeshi Nou

Representative Director, Senior Executive Officer, Engineered Materials Sector

Change to a "Market Co-creation business entity"

We first cultivate a stage for creation with external forces (the market) and then develop new products and create new markets, integrating the external forces with the strengths of the Engineered Materials Sector (core technologies, know-how and sales channels).



[Plan of Execution]

FY 2017

Strengthen research and development system, increase activities to explore market opportunities, and collaborate with entities outside the company.

FY 2018

Strengthen joint development and collaboration and cooperation in research and development with entities outside the company, while continuing to explore market opportunities.

From FY 2019

Build Market Co-creation research and development system and reflect these activities to our business performance.

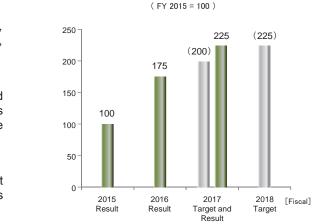
[Initiatives for Market Co-creation activities in FY 2017]

Utilization of microwaves to develop new engineered materials Microwave Chemical Co., Ltd. (headquartered in Suita, Osaka) is a venture company originating from Osaka University that works to develop new materials utilizing its own microwave platform. The company's microwave technology can be applied to a range of areas including medicine, chemical materials and food. Microwave Chemical is advancing joint development with a variety of manufacturers in Japan and overseas. Mitsui Kinzoku has reached an agreement on strategic business appliances to jointly conduct the development of new production processes and new engineered materials using microwaves through the investment in Microwave Chemical. Synergy effects

with the microwave technology of Microwave Chemical are expected in the areas of the development and manufacture of engineered materials and electronics materials at which Mitsui Kinzoku excels.

Co-creation with a venture company with film-formation solutions FLOSFIA Inc. (headquartered in Kyoto) is a venture company spin-off from research at Kvoto University that engages in the commercialization of power semiconductors.

Mitsui Kinzoku has entered into a capital alliance to underwrite new shares of FLOSFIA for joint development and business alliances in areas of materials using film-formation technologies based on the MISTDRY™ technology of FLOSFIA.



Market Co-Creation Activity Index * (FY 2015 = 100)

* Market Co-Creation Activity Index

Index reflects the combined total of joint R&D projects and business collaborations

Establishment of mass-production technology for next-generation circuit materials through collaboration

"MicroThin™" ultra-thin copper foil of Mitsui Kinzoku is widely used as a circuit material for semiconductor packages used for high performance communication devices such as smartphones. Mitsui Kinzoku has developed HRDP® *1, a circuit material for next-generation semiconductor packages, to meet the requirements for the further advancement of semiconductor packages. Mitsui Kinzoku has also established mass-production technology through co-creation and collaboration with GEOMATEC Co., Ltd. (headquartered in Yokohama) with excellent thin film-formation technology. Several semiconductor manufacturers and supply chain companies have already commenced the evaluation of mass-produced products. The following are expected by using HRDP[®]

- Formation of an ultrafine circuit of $L/S^{*2} = 2/2\mu m$

 $(L/S in existing materials = 10/10 \mu or more)$

- Improvement of workability at board makers and makers that mount the boards.

- Cost reduction of next-generation semiconductor packages and substrates.

* 1	HRDP [®] = High Resolution De-bondable Panel
	L/S = Line-and-Space between neighboring wirings

Recycle-smelting ~Implementing materials stewardship ~

Materiality in CSR Activities

[Metals Sector]

The strength of the Metals Sector is that it has accumulated smelting technologies and has multiple smelters.

Through a shift in approach from the optimization of individual sites to total optimization through the enhancement of cross-site functions, we have further increased our business value.

Since the early 1900s, we Mitsui Kinzoku have owned multiple non-ferrous metal smelters in Japan. We have owned the consistent process from the mine to the smelter. Similarly in our overseas operations, we have not only invested in mines, we have also undertaken mine exploration, development and operation ourselves. We are one of the few non-ferrous metal smelter companies to have done this in Japan.

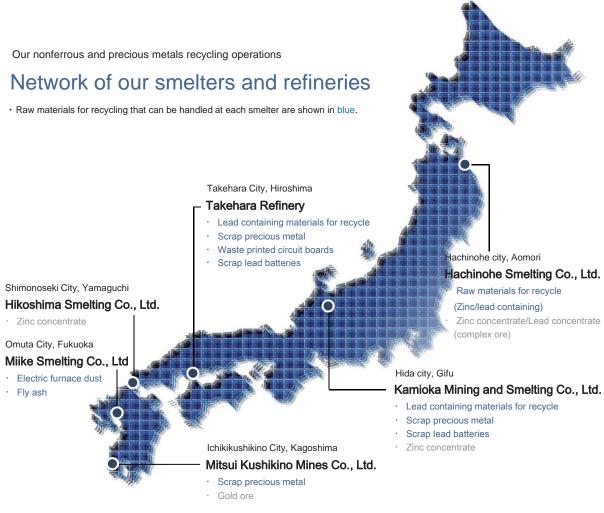
We have implemented the process from the upstream activities of mine development and smelting to the downstream activities. Extracting lead from scrap batteries and valuable metals from industrial waste began early in the 1990s. Our activities have extended downstream, leading to "venous industries." Material Stewardship is included in the 10 Principles for Sustainable Development advocated by the International Council on Mining & Minerals (ICMM), an international organization made up of mining and smelting companies. The aim is to promote the establishment of a material-cycle society through management of the entire industrial supply chain from mining, smelting, and processing to consumption, disposal, recovery and recycling of metal products. Mitsui Kinzoku is not a member of ICMM but we very much approve of this principle. It is also in svnc with our activities to date aimed at creating a sustainable supply chain.

Each of the smelters we own has the capacity to process various types of raw materials. We have succeeded in organically connecting these smelters into a "smelter network" and have translated this into an increase in the collection of miscellaneous raw materials and an increase in processing capacity. Through a shift in approach from the optimization of individual sites to total optimization through the enhancement of cross-site functions, we have been able to increase our business value.

Under our Medium-Term Management Plan, we are driving the transformation of our structure from a nonferrous metals smelter, which uses concentrate as raw materials, to a recycling smelter. We are actively making investments to expand our processing capacity of complex and refractory zinc ores, to increase lead blast furnace processing, and to strengthen our capacity for collecting precious metals. Together with Mitsui Kushikino Mining and our overseas sites, we are also seeking to strengthen the system of collecting materials for recycling. We are developing new smelting processes to expand the scope of metals that can be recycled. We aim to expand the capacity of recycle-smelting and to increase benefits for a sustainable business entity. We also contribute to the creation of a material-cycle society which is an integral part of our activities.



Isshi Hisaoka Director, Senior Executive Officer, Metals Sector



Using ores extracted from the ground, we refine and manufacture useful non-ferrous metals such as zinc, lead, copper, gold and silver. It is the smelting technology which lies at the core of the technologies of Mitsui Kinzoku fostered for more than a century. Besides cultivating and accumulating technical expertise, we have also gained experience of operating smelters for many years in six locations in Japan.

Leveraging our strengths in the metals business both in terms of "soft" knowhow and "hard" facilities, we expand the scope of our operations including complex ores and recycled raw materials which were previously difficult to process. We are also working to expand our processing capacity and building a smelter network by organically connecting each of our smelters for the business shift to be capable of sustainable growth.

[Plan of Execution]

FY 2017

Increase processing and extracting of valuable metals (base metals, precious metals and rare metals) by strengthening smelter network.

FY 2018

Develop new recycle smelting processes for waste metals containing precious materials which are currently difficult to process.

From FY 2019

Organically link new processes to smelting network to obtain more diverse raw materials for recycle and increase processing capacity.



Expansion of recycle-smelting

Raw materials for recycle (zinc, lead, precious metals) Zinc concentrate, lead concentrate, etc.

Continuous supply contributing to sustainable mobility

Materiality in CSR Activities

[Automotive Parts & Components = MITSUI KINZOKU ACT CORPORATION]

Leverage our "Manufacturing Intelligence" and provide continuously "Safety," "Comfort" and "Amazing Performance."

The strengthening of the quality assurance structure and the development of next-generation products are one of the processes for that purpose. Contributing to the sustainability of the automotive industry has led to the building of a resilient society.

While MITSUI KINZOKU ACT CORPORATION (hereinafter "ACT") was established in 2010, Mitsui Kinzoku's automotive parts & components business dates back more than half a century.

Having started operation in the U.S. in 1987, we currently have 10 manufacturing and supply sites overseas. Our system of regional business units which conduct business operations in each region is also established. We have cultivated local human resources at both operational and management level. Currently the percentage of local employees in executive officer positions is around 30% and the percentage of women in management positions also exceeds 20%.

Under our Medium-Term Management Plan, we are working to strengthen our business base and our ability to generate profit in order to achieve our Vision in 10 Years. Our Vision in 10 Years is to be widely known as a global supplier of automotive parts & components and to establish the ACT brand. This means becoming a company leveraging our "Manufacturing Intelligence" and providing continuously "Safety," "Comfort" and "Amazing Performance."

In order to strengthen our ability to generate profit, which is one of the measures to get closer to our vision, improvement of cost and expansion of sales are essential. We choose in-house manufacturing if it has merits and a high operating rate. Otherwise, we choose to outsource production. In other words, competitive in-house manufacturing has to be promoted. In order to make in-house manufacturing competitive, we also actively promote automation. For the expansion of sale, we focus on the U.S. and China markets.

We also concentrate on strengthening the quality assurance structure, developing next-generation products and developing underlying technologies to earn a good reputation for ACT amongst our customers. By establishing the ACT brand and strengthening customer trust, we believe we can contribute to the sustainability of the automotive industry.



Hiroshi Igata

Senior Executive Officer of Mitsui Kinzoku, President and Representative Director of MITSUI KINZOKU ACT CORPORATION.



Side Door Latch

(Weight of existing products = 1.0)

The value of the previous year = 0.86

[Plan of Execution]

FY 2017

Quality improvement for our customers

Focus on strengthening the "Quality" dimension QCDDS, develop structure for "Outstanding Qualit and improve performance in customers' qua assessment globally.

FY 2018

Development and proposal of new products

Leverage our global development and sal promotion structure to meticulously meet custom requirements. Propose new products with addition features in terms of weight reduction, compactness safety and comfort and provide them to customet (global OEM).

From FY 2019

Towards our "Vision in 10 Years"

Continuously develop unique products. Achie efficient global supply of high quality produc underpinned by core technologies and expand sal to new markets. Make progress toward achieveme of the Act Group's Vision in 10 Years of ¥150~2 billion in consolidated net sales and ¥10~15 billion consolidated ordinary income.



Back Door Latch

(Weight of existing products = 1.0) The value of the previous year = 0.78

Effective April 1, 2017, we reviewed the Quality

[Achievements in FY 2017]

	Assurance Department, which was previously an
of	organization under the control of the Engineering
ty,"	Division. The Department became a new independent
ality	division under the direct control of the President. We
	prioritize "Quality" above all other matters except for
	"Safety."
	In FY 2017, we received a high evaluation for our
	initiatives to strengthen the "Quality" dimension of
les	QCDDS in customers' quality assessment globally.
ner	
nal	Customer awards for our manufacturing sites
ess,	(Excerpts from the results in FY 2017)
ers	lanan
	 Japan "Award for Effort to Deliver Zero Defective Products" (for the
	sixth consecutive month) commended by Mazda Motor
	Corporation
	· China
	"2017 Excellent Delivery Compliance Award" commended by
eve	Nissan (China) Investment Co., Ltd.
icts	"2017 DONGFENG RENAULT EXCELLENT" commended by
les	Dongfeng Renault Automobile Co., Ltd.
ent	"2017 Excellent Supplier Award" commended by Honda
200	Automobile (China) Co., Ltd.
ı in	"2017 Excellent Supplier Award" commended by Zhengzhou
	Nissan Co., Ltd.
	• Thailand
	"Quality Award" commended by General Motors (Thailand)
	Co., Ltd.
	"Quality Award" and "QD Certificate of Achievement"
	commended by Isuzu Motors Co., (Thailand) Ltd.