

KOBELCO Group's ESG Initiatives

September 28, 2021 Kobe Steel, Ltd.

Today's Topics

- 1. KOBELCO Group's Sustainability Management
- 2. Key Points of Today's Presentation
- 3. Environment
- 4. Social
- 5. Governance
- 6. Sustainability Initiatives and External Evaluations

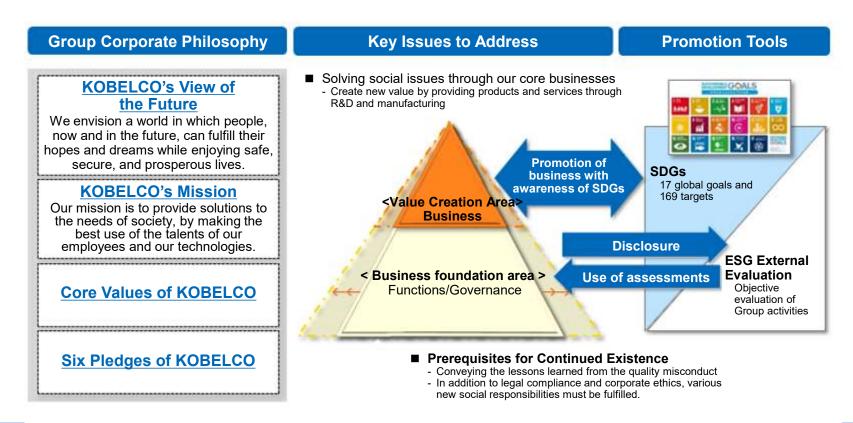
Attachments: Reference Information



1. KOBELCO Group's Sustainability Management

KOBELCO Group's Sustainability Management

- > Promote sustainability management based on the Group Corporate Philosophy under the framework as provided below.
- > Address key issues in the value creation area and business foundation area to achieve sustainable growth and to raise corporate value.





1. KOBELCO Group's Sustainability Management

KOBELCO Group's Materiality (Medium- to long-term important issues)

	Materiality of t	Materiality of the KOBELCO Group		
	Contributing to a green	Response to climate change	13 CLIMATE 12 DESIGNATION TO CONSUMPTION AND PHOUNDERS AND	
Value Creation Area	society (*)	Response to resource recycling	AN PRODUCTION COOK	
	Ensuring safety and security in community development and manufacturing	Supplying energy focused on on energy security, economic efficiency, environment, and safety (3E plus S)	7 AFFORMALIE AND 8 DECESTIFY WORK AND BOOMS CROWN BY AND MEASUREMENT STREET STR	
		Providing materials and machinery that meet needs		
		Improving safety and productivity		
	Providing solutions for the future connecting people and technology	Reforms in manufacturing and operations through digital transformation	3 GOOD HEALTH 8 DECENT HOOK AND PARENTEE SHOULD GOOTH HOOK AND	
		Fusion and innovation of diverse intellectual assets		
	Promoting active participation of diverse human resources	Diversity and inclusion	3 GOOD HEALTH 5 GENGER 8 DECISIT WORK AND 10 NEQUALITIES	
Business		Work style reforms	3 GOOD HALLING 5 GROUNT 5 GROUNT 8 RECONSIDER AND 10 RECONSTRUCT NECONAL CERTAINS 4 T	
1ess		Human resources development		
	Pursuing governance that supports sustainable growth	Compliance and risk management		
ında		Respect for human rights	8 RECENT WORK AND 9 AND INFRASTRICTURE 10 REQUALITIES 16 FRACE AUSTICE INCUSTORS	
Foundation Area		Safety and health		
		Quality assurance		
		Corporate governance		

^(*) A green society is not limited to the narrow meaning of a society merely using natural energy, but is defined as a society that deals with climate change issues and resource recycling



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KOBELCO Group has been implementing various initiatives in the areas of Environment, Social, and Governance to achieve sustainability management. Going forward, we will further accelerate these initiatives.

2020 2000 2010 2003 1992 2013 2020 Established Basic Environmental **Established Basic Policies** Launched KOBFLCO Established FY 2030 CO₂ for the Environment Management Policy Forest Fairy Tale Prize reduction targets 1998 Kakogawa and Kobe Works received ISO14001 Opened Nadahama 2013 2021 1992 certification Science Square Launched KOBELCO GREEN Changed 2030 targets and Environment) Formed Global PROJECT, which included forest created 2050 CO₂ vision 1998 Environment development and environmental Created "ecoway sign" as a symbol Committee signalling KOBELCO's desire to become a education outreach activities leading environmental company 2011 2006 2020 Introduced telecommuting Established KOBELCO **Announced Requests** 2016 Community 2013 to our Business Childcare leave for Contribution Fund Special working hour Partners male employees arrangements, etc. for 2016 (Social) employees with children 2021 2006 Promoted the use of 2015 Promoted an Introduced a mentorship annual leaves and understanding of LGBT Support system for early system for female and nonstopping work before "Think about LGBT" return from childcare Japanese employees 7 p.m. leave 2016 2019 2003 2007 1999 Became a Initiatives to understand 2015 Established the Appointed two Adopted an company with and improve workplaces Compliance Independent Directors Established the executive officer through the use of safety the Audit & Basic Policy and G Committee system Supervisory and health diagnosis and Initiatives on the Committee Safety Camera System 2006 2010 (Governance) 2000 Corporate 2016 Enhanced safety Introduced 2019 Governance of Established the Introduced

education including

risk simulation

training

Corporate Code

of Ethics

business unit

system

Kobe Steel, Ltd

evaluation system

for the Board of

Directors



Established The Kobe

Policy on Human Rights

Steel Group's Basic

In today's presentation, we will introduce some of our initiatives on the Environment, Social, and Governance, which underpin the medium- to long-term improvement of our corporate value as part of sustainability management promoted by the KOBELCO Group.





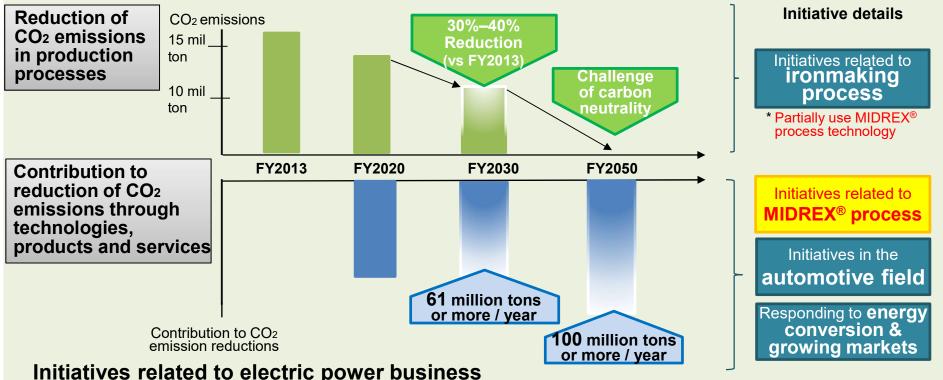


In the Medium-Term Management Plan announced in May 2021, the KOBELCO Group set forth its 2030 targets and 2050 vision for achieving carbon neutrality.



Today, we will explain **our unique technology, MIDREX® process**, which contributes to reduction of CO₂ emissions in production processes and contribution to reduction of CO₂ emissions through technologies, products and services

2030 Targets and 2050 Vision for Carbon Neutrality

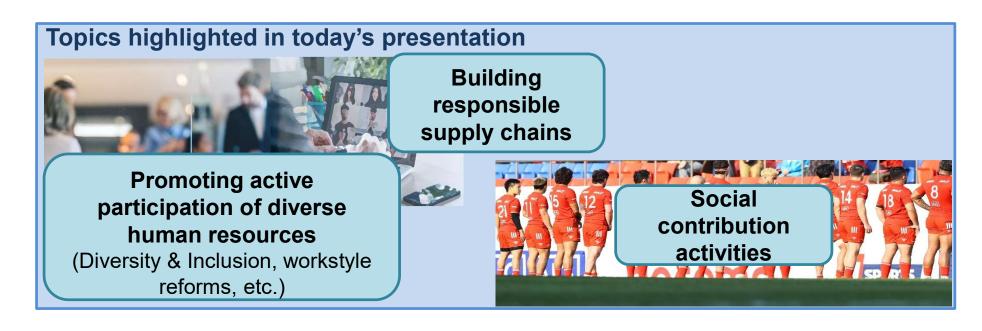


Initiatives related to electric power business

In the electric power business, we are boldly working on improving energy use efficiency for the entire region using biomass technology and the adoption of outside innovative technologies using ammonia and other substances.



- ◆ To fulfill its responsibilities to society as a company and to further increase its corporate value, the KOBELCO Group is committed to providing solutions to the needs of society by making the best use of its diverse employees and technologies.
- We will today explain our initiatives of: 1) Promoting active participation of diverse human resources; 2) building responsible supply chains; and 3) Social contribution activities.







- ◆ Governance is a precondition for the continuing existence of a company. Companies are required to not only observe laws, ordinances, and corporate ethics, but also fulfill new types of responsibilities to society which are emerging with changes in society.
- ◆Among many initiatives of the KOBELCO Group in areas such as compliance, risk management, and quality assurance, today we focus on three issues: 1) Human rights, 2)Safety and health, and 3) Corporate governance.

Issues highlighted in today's presentation









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3. Environment

Background

As the global trend is shifting to carbon neutrality (CN) and driving social transformation, there is a growing need to reduce CO₂ emissions worldwide in the steel industry, which emits a large amount of CO₂.

MIDREX® Process: Key Points of Today's Presentation

- 1. The MIDREX® process is a natural gas-based direct reduction ironmaking process. In comparison with the blast furnace method, in which coke is used to reduce iron ore, this method can reduce CO₂ emissions better. The process has a large share in the global direct reduced iron market.
- 2. The MIDREX® process can offer CO₂ reduction solutions over the short-, medium-, and long-terms as it increases demand for electric arc furnaces, provides CO₂ reduction solutions for blast furnaces, and has potential for hydrogen-based reduction iron making methods.



3. Environment: What Is MIDREX® Process?

MIDREX® Process is a type of ironmaking process that produces Direct Reduced Iron (DRI), a raw material for steel, by directly reducing iron ore with a reduction gas, obtained by reforming natural gas.

*Reduction: Removal of oxygen from iron oxides (iron ore).

DRI is a raw material for steel with an iron content of 80% or more, which is produced by reducing iron ore in a solid state.







DRI

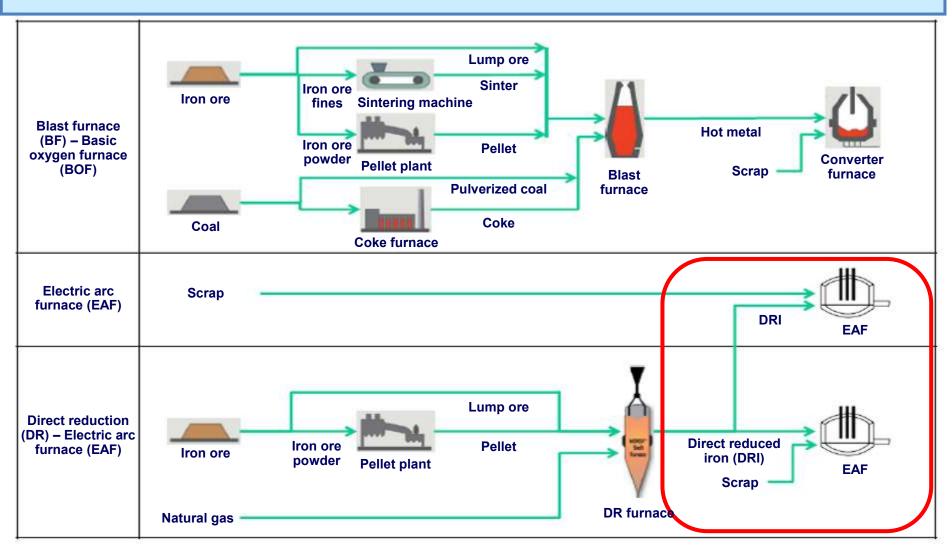


HBI
(Hot Briquetted Iron)
Solidified DRI made for the purpose of marine transportation, etc.

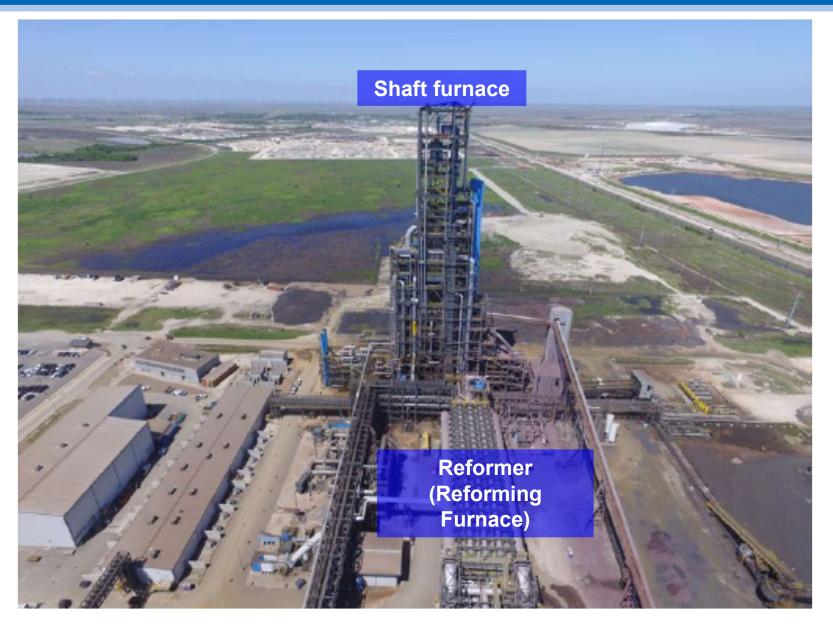


3. Environment: Use of Direct Reduction Iron

DRI, a clean source of iron with few impurities, is used as an alternative to high-grade scrap and pig iron, mainly for EAF (BF and BOF as well in recent years).



3. Environment: MIDREX® Plant Photo



"Go West" Plant, voestalpine (U.S.A.) (2 Mt/year)

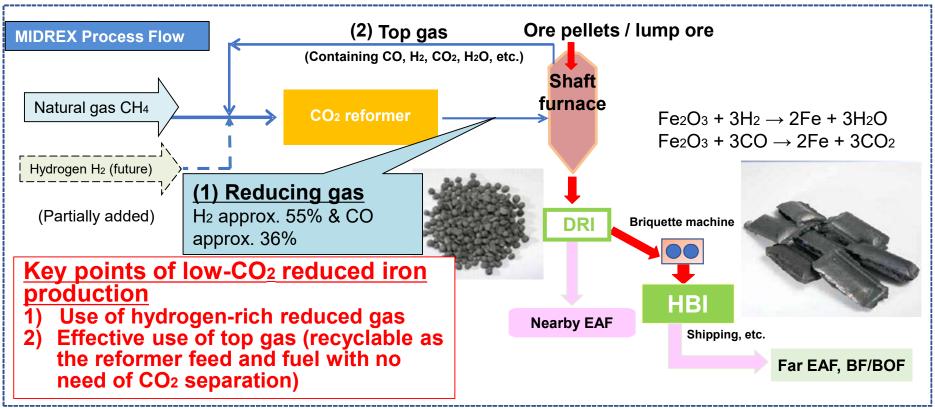
3. Environment: Features of MIDREX® Process

MIDREX® process: Produces direct reduced iron (DRI) by directly reducing iron ore with reducing gas (containing a large amount of hydrogen) obtained by reforming natural gas

CO₂ reduction: 20–40% (EAF using DRI vs. BF/BOF)

Leading market share: Over 80 MIDREX modules worldwide, producing 80% of the

world's DRI*; *Natural gas based DRI/HBI



(Source: "KOBELCO Group's CO₂ Reduction Solution for Blast Furnace Ironmaking" announced on February 16, 2021, by Kobe Steel, Ltd.)

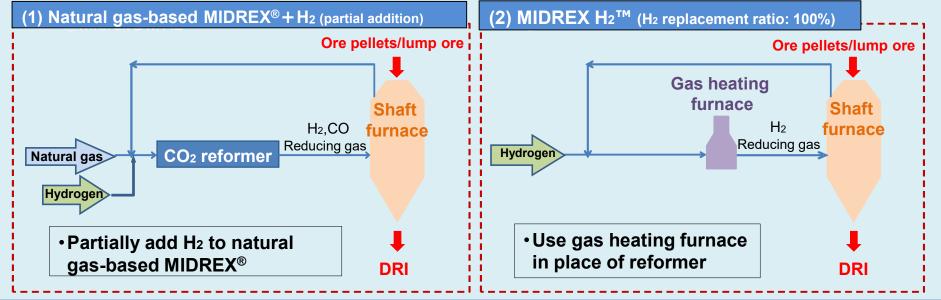
3. Environment: Features of MIDREX® Process

Capable of achieving CN with no major facility updates if hyfrongen becomes available economically and on a large scale.

Use of Hydrogen as Reductant

- (1) Partially add hydrogen in the natural gas-based MIDREX® process
 - → Applicable to existing MIDREX® plants by flexibly replacing natural gas in a range of 0% to 100%.
- (2) Use hydrogen 100% → MIDREX H₂[™] (to be jointly developed with ArcelorMittal, S.A.)
- Few technical challenges in the process except for the (universal) challenge of securing carbon-free hydrogen

(The MIDREX® process has commercially used a reducing gas of 75% hydrogen concentration; technical hurdles are not high.)



Use of Low-Grade Iron Ore Materials

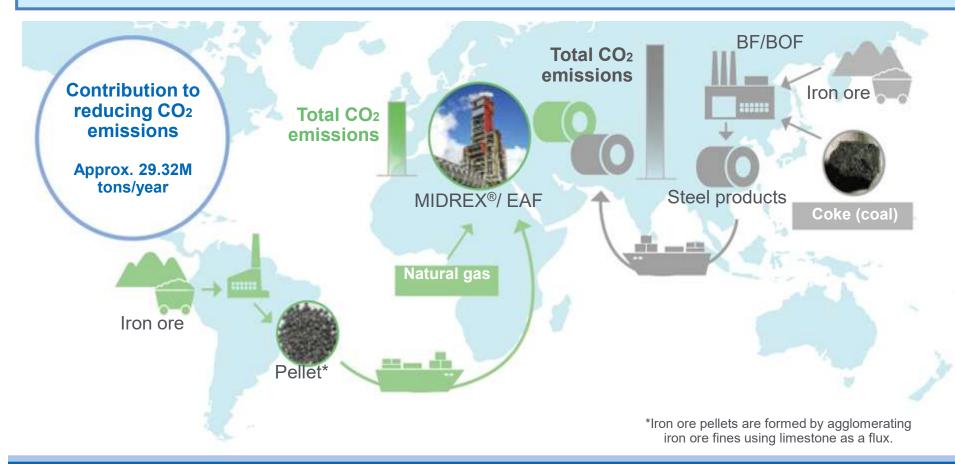
- Currently, reduced iron users are mainly EAF steelmakers.
- High-grade iron ore materials are often used in the MIDREX® process based on requests (e.g., restrictions on materials) from customers who are EAF steelmakers; however, low-grade iron ore materials can also be used in the MIDREX® process without problem.

3. Environment: MIDREX® Process' Contribution to CO2 Emissions Reduction

Contribution to CO₂ emissions reduction in FY2020:

Approx. 29.32 Mt

*Equivalent to approx. 2% of Japan's total greenhouse gas emissions of 1,213 Mt (converted into CO₂) in FY2019





3. Environment: MIDREX® Process and Competitors

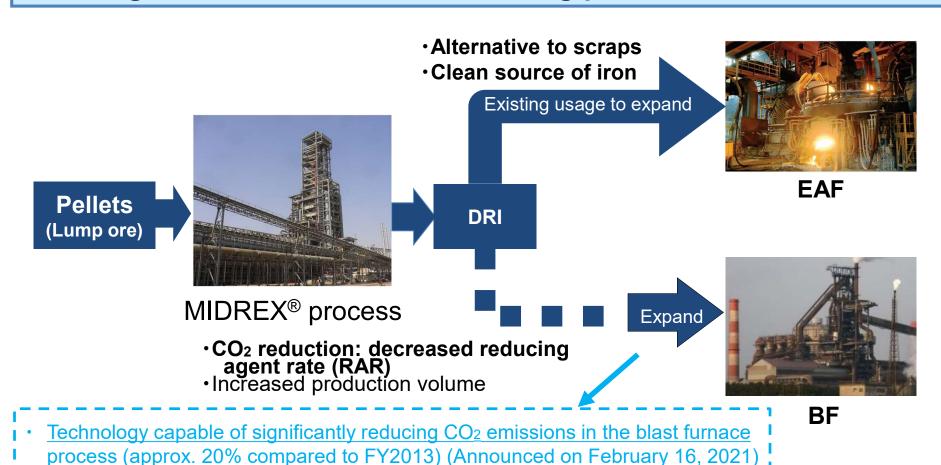
Major DRI Production Processes

Process	Key Features		
MIDREX® process	 Use a reformed natural gas Many plants are achieving production volume larger than target capacity. Many plants built worldwide Need a large reformer 		
HYL process	 Use a reformed natural gas The latest process does not need a reformer Need a process gas heater and CO₂ removal device Operation rates are low. Many plants have not reached target production capacity. 		
SL/RN process	 Use coal as reductant in a rotary kiln process Many plants built in India, which has scarce natural gas reserves Due to plant size limitations, plants are small and have low productivity There are issues related to coal pulverization and melting in kiln as well as environmental concerns 		



3. Environment: Medium- and Long-Term Demand for MIDREX®

MIDREX® Process is expected to be applied to BFs as well, in addition to the conventional use in EAFs, with the aim of reducing CO₂ emissions and increasing production.



KOBELCO

3. Environment: Crude Steel and DRI Production Forecast

Global Crude Steel Production Forecast

Global crude steel production will increase toward 2050. In addition, a momentum toward CO₂ reduction and carbon neutrality will accelerate.

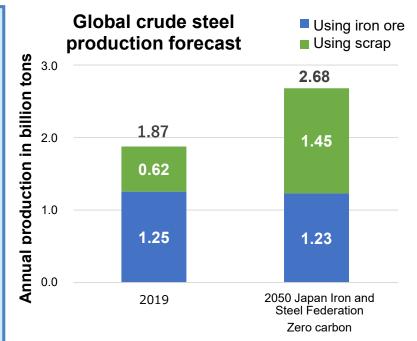
- (1) Crude steel production from scrap (Current production mainly by EAFs)
 - ⇒ Expected to increase due to increased scrap generation

 This will increase demand for DRI as a clean source of iron.
- (2) Crude steel production from iron ore (Current production mainly by BFs. In the future, the BF will be equipped with the EAF.)
 - ⇒ Crude steel production is assumed to be at the current level.

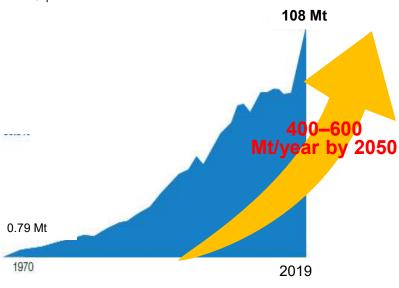
We anticipate an increase in demand for HBI to be used in BFs for CO₂ reduction as well as an increase in demand for DRI associated with the installation of the EAFs attached with the BFs.

DRI production will keep increasing. Forecast to reach 400–600 Mt/year by 2050

(Estimate by Kobe Steel, Ltd.)

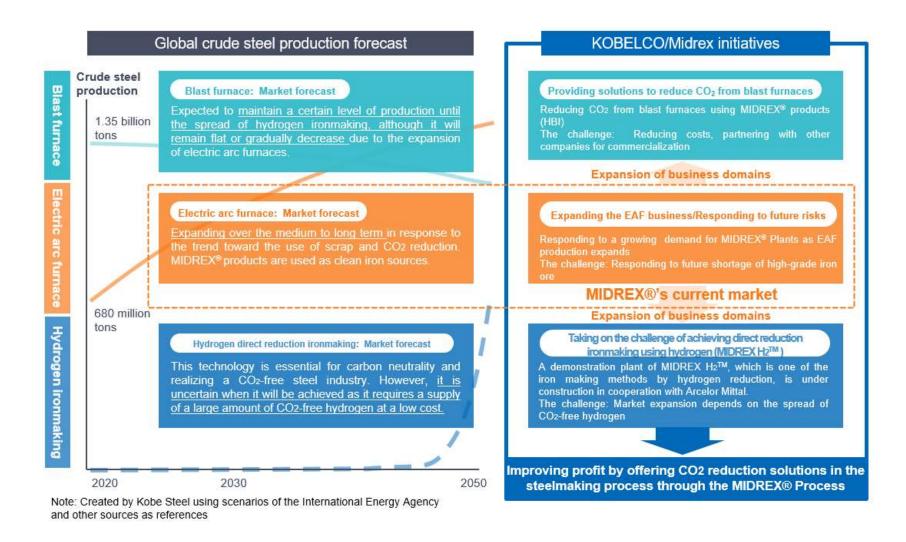


* Prepared by Kobe Steel, Ltd. using data supplied by the Japan Iron and Steel Federation



3. Environment: Expansion of MIDREX® Business

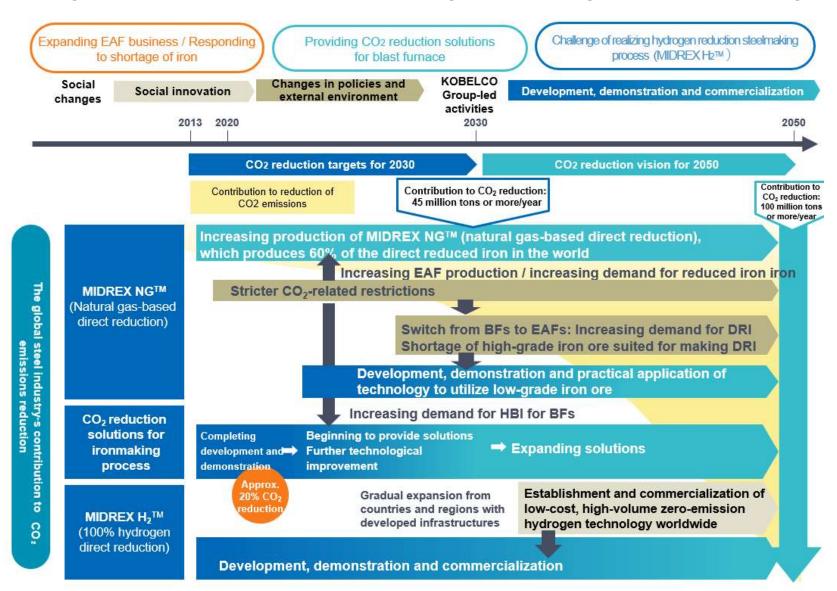
❖ Providing CO₂ reduction solutions for various steelmaking processes (for EAFs, BFs, and hydrogen direct reduction ironmaking processes) through MIDREX[®] and increasing earnings



(Source: KOBELCO Group Medium-Term Management Plan (FY2021-FY2023) announced on May 11, 2021, by Kobe Steel, Ltd.)

3. Environment: Roadmap of Contribution to CO₂ Emissions Reduction Using MIDREX®

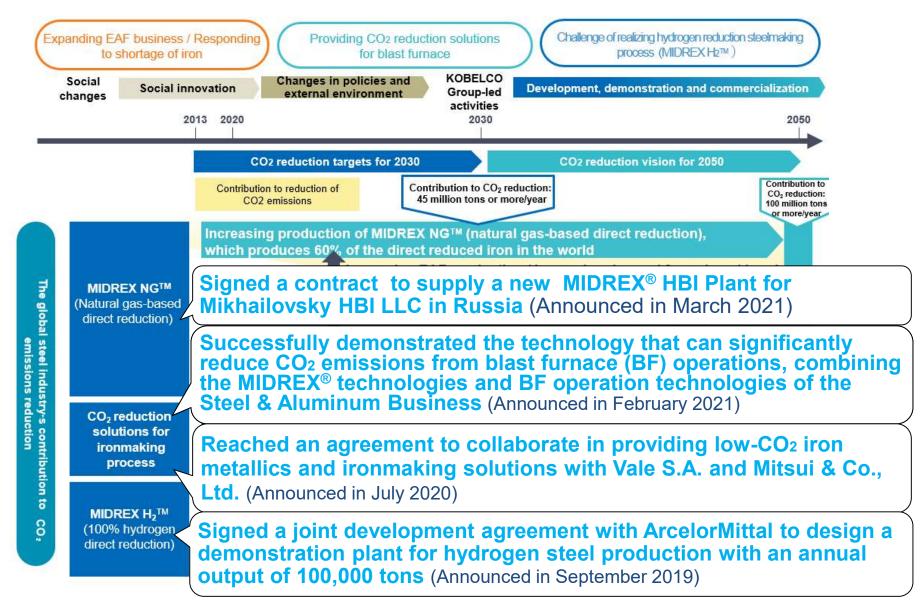
Providing CO2 reduction solutions for various steelmaking processes through MIDREX® and increasing earnings



(Source: KOBELCO Group Medium-Term Management Plan (FY2021-FY2023) announced on May 11, 2021, by Kobe Steel, Ltd.)

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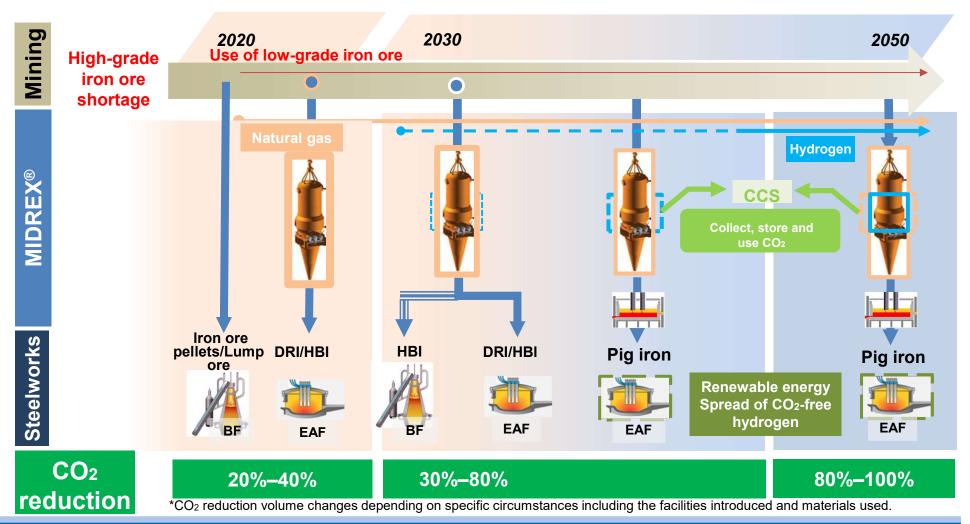
Providing CO2 reduction solutions for various steelmaking processes through MIDREX® and increasing earnings



(Source: KOBELCO Group Medium-Term Management Plan (FY2021-FY2023) announced on May 11, 2021, by Kobe Steel, Ltd.)

3. Environment: Strengths of MIDREX® Process

Capable of providing CO₂ reduction solutions in the short-, medium-, and long-term toward achieving carbon neutrality





3. Environment: Closing

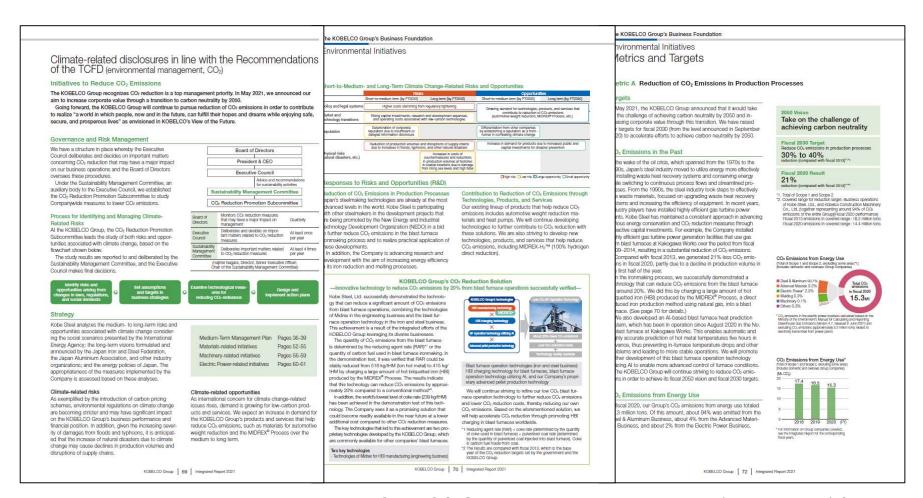
The KOBELCO Group will combine technologies to solve various issues, refine its ability to propose solutions, and respond to social demands and changes in industrial structures in order to remain an indispensable partner for our customers and society. By doing so, we will aim to achieve our vision of "a world in which people, now and in the future, can fulfill their hopes and dreams while enjoying safe, secure, and prosperous lives."

As the global trend is shifting to carbon neutrality and driving social transformation, we will offer CO₂ reduction solutions for the global steel industry to achieve carbon neutrality through the MIDREX[®] process.



3. Environment: Closing

The KOBELCO Group has expressed its support for the final recommendations of the Task Force on Climate-Related Financial Disclosures (TCFD) and makes disclosures according to their recommendations.



Please read the KOBELCO Group Integrated Report 2021 (pages 69-73) for details.



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4. Social: Promoting Active Participation of Diverse Human Resources (D&I)

We set numerical targets and accelerate activities so that people with diverse backgrounds and values can fulfill their potential at workplace, thereby increasing the growth capacity of the entire organization.

Enhance hiring of female new graduates

Set numerical targets for hiring female new graduates and enhance their recruitment. Hold networking events for new employees.

FY2023 Targets

◆ Raise the ratio of women in new hires (new graduates)

Career-track
administrative positions

Career-track
technical positions

General technical positions

Diversify management and leaders

Aim to raise competitiveness through further diversification of management and leaders. Enhance development and express support for initiatives supporting women.

FY2023 Targets

Ratio of female managers vs. FY2020
Twofold Twofold

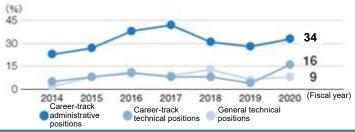
Keidanren's Challenge Initiatives for 30% of Executives to Be Women by 2030



Declaration on Action by the Male Leaders Coalition for Empowerment of Women, Cabinet Office



Ratio of women in new hires (new graduates)



Female Employees and Managers (People) 2.7 1,200 800 2.0 400 2016 2019 2020 (Fiscal year) 2015 2018 Number of female Ratio of female employees (left axis) managers (right axis)

Launched "Think About LGBT" initiative to promote understanding of LGBT people

We aim to create a workplace environment where individuality is valued, and every employee can work with peace of mind and perform to the best of their abilities. To that end, we are conducting executive training and training for all employees, and working to develop KOBELCO Familyship System and create a healthy work environment.





4. Social: Promoting Active Participation of Diverse Human Resources (Workstyle Reforms)

By enhancing the work engagement of diverse human resources, we encourage each employee to raise the quality of work and pursue the improved productivity, thereby strengthening corporate competitiveness.

Promote operation efficiency

- Promote teleworking and use staggered working hours
- Actively use online meetings, promote paperless operations, and introduce electronic seals
- Expand hot-desking
- Commend operational improvement and introduce good examples within the KOBELCO Group

Improve motivation and workplace wellbeing

- Campaign to call each other's name with "san"
- Encourage employees to finish work by 7 p.m. and take annual paid leaves
- Improve systems to support employees who are raising children or taking care of family members
- Effectively use canteens and increase shared spaces
- > Loosening of dress codes

Active use of online meetings



Support men's participation in parenting



Create individual work areas to promote autonomous workstyles



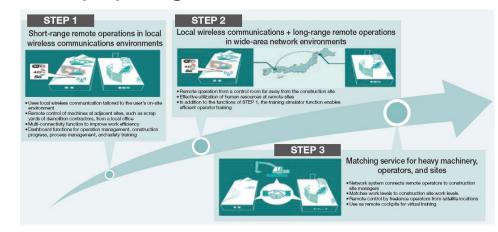


4. Social: Workstyle Reforms in Construction Sites

Our Group company Kobelco Construction Machinery Co., Ltd. has been advancing R&D for its K-DIVE CONCEPT under the slogan of realizing a teleworking system centered on people who work at construction sites. If successful, this system will enable on-site work without being restricted to specific people, locations, or times, helping eliminate shortages of skilled construction workers, and improving productivity through on-site automation.



The step-up image of K-DIVE CONCEPT





- Enable remote operations of heavy machinery from on-site offices or other locations, improving safety and productivity of customers' construction sites, helping acquire skills within a short period and promoting workstyle reforms
- Contribute to providing job opportunities to senior operators, women, and people with disabilities



4. Social: Building Responsible Supply Chains

We continue to promote initiatives to "build responsible supply chains," sharing social responsibilities with our business partners. We have announced our Group's policy and began providing explanations to our business partners and identifying challenges.

♦ In Sept. 2020, we established Basic Procurement Policy and published "Requests to our Business Partners"

Basic Procurement Policy

- Compliance with laws, regulations and other social norms
- 2. Fair and impartial transactions
- Coexistence with the global environment through procurement
- 4. Strengthen partnerships with business partners
- 5. Management of confidential information

"Requests to Our Business Partners" Social Responsibility items

		J
Compliance	Human rights and labor	Health and safety
Environment	Fair trade and ethics	Quality and safety
Information security	Business Continuity Plan	Social contribution

♦ In Sept. 2021, we distributed a video explaining the KOBELCO Group's policy to our business partners

In the video, we explain our sustainability management framework and promotion structures, materiality, our initiatives on the environment, human rights, and other issues, to build a responsible supply chain.

Building Responsible Supply Chains
Explanation Video for Business Partners

September 7, 2021
Kobe Steel, Ltd.
Sustainability Management Committee

♦ From the second half of 2021, we plan to conduct a survey on social responsibility to understand the situation of our business partners and to identify the issues we should address in the future.



4. Social: Social Contribution Activities

We conduct various activities to contribute to local communities and to support the development of next generations including sporting activities and activities at respective locations and Group companies.

Social contribution through sport

Kobelco Kobe Steelers engages in various activities as a team working closely with its local community.

Watch over primary school students go to school



Tag rugby class



Support for healthcare workers (Donation of sales proceeds of facemasks made from team jerseys worn by players)



Overseas group companies' activities

Planted mangroves, raised safety awareness of primary school children through safety classes, and donated equipment and facilities.



Planting of mangroves (Kobelco Construction Machinery Southeast Asia Co., Ltd.)

KOBELCO Community Contribution Fund

Established in FY2006, the Fund runs activities to support children in the locations of our offices throughout Japan.



Donated play and other equipment to childcare and residential care facilities for children



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5. Governance: Safety and Health

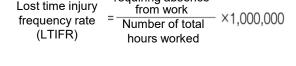
Conduct safety and health activities from various perspectives to create lively workplaces where people can work with safety and security

Index	FY2020		FY2021
illuex	Target	Actual	target
Accidents leading to death	0	0	0
Lost time injury frequency rate (LTIFR) (*)	0.10 or less	0.24 (calendar year)	0.10 or less

FY2020 Overview and Challenges

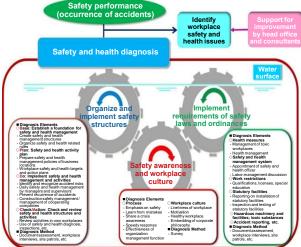
[Overview] Zero accidents leading to death. Did not achieve the LTIFR target.

[Challenge] Large discrepancy in the safety management level depending on business locations; raising safety awareness of each person



Number of injuries requiring absence

Safety and Health Diagnosis



FY2021 Initiatives

- ➤ Safety and health diagnosis of all business locations by Head Office (3-vear plan)
- ➤ Raise safety awareness of each person and enhance individual guidance
 - Safety Camera System
 - Introduction of Safety Card
- > Introduction of safety and health management system (ISO45001)
- ➤ Enhance and support safety and health management and activities in overseas locations



5. Governance: Safety and Health

Initiatives (Examples)

Safety Camera System

- ➤ Use cameras for the following purposes:
- Check how works are carried out to raise a fresh awareness (check unsafe actions or situations)
- Education and guidance, review standard work behaviors, and create educational materials
- Remotely give commands and supervision in time of trouble to support workers



Monitoring from office

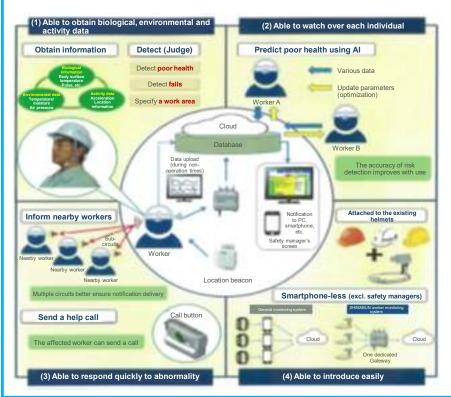
- Check worksites
- Support works
- Education & guidance



Hard disk recorder

Worker Monitoring System

- ➤ Analyze and evaluate biological data of workers such as their pulse and temperature to report any change in physical conditions in real time to managers/supervisors
- ➤ System tool to support the management of risks such as heatstroke and other poor health conditions and accidents





5. Governance: Human Rights

Under the Kobe Steel Group's Basic Policy on Human Rights established to clearly show our commitment to respecting human rights as an important social responsibility, we promote corporate activities aligned with international rules such as the UN Guiding Principles on Business and Human Rights.

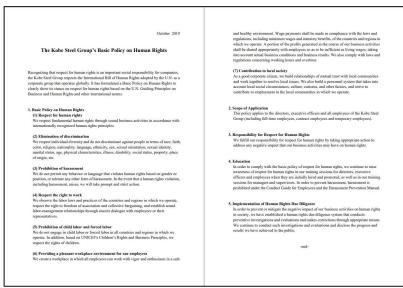
Enhance activities to respect human rights and solve problems

- Offer annual human rights training
- Offer e-learning programs on harassment
- Create harassment consultation helplines
- Harassment training in Chinese subsidiaries
- Signed the United Nations Global Compact and registered as a participating company in March 2021

 WE SUPPORT
 OBAL COM

Promote human rights due diligence

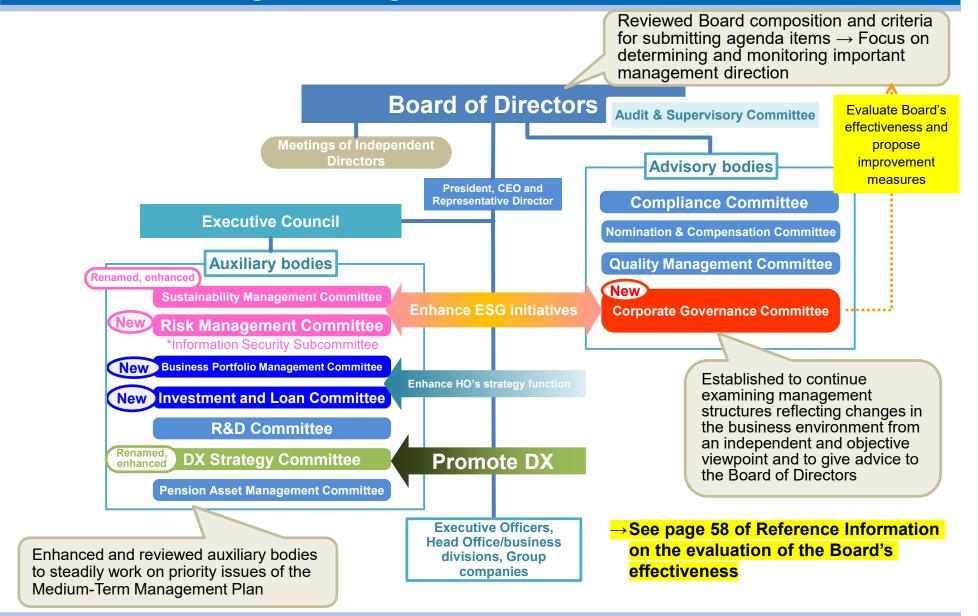
Kobe Steel Group's Basic Policy on Human Rights



As a company supporting principles such as the protection of human rights and elimination of unfair labor, we promote a human rights due diligence to identify, prevent, reduce, address, and disclose information on the impact of corporate activities on human rights. In FY2021, we plan to identify and evaluate challenges related to human rights.

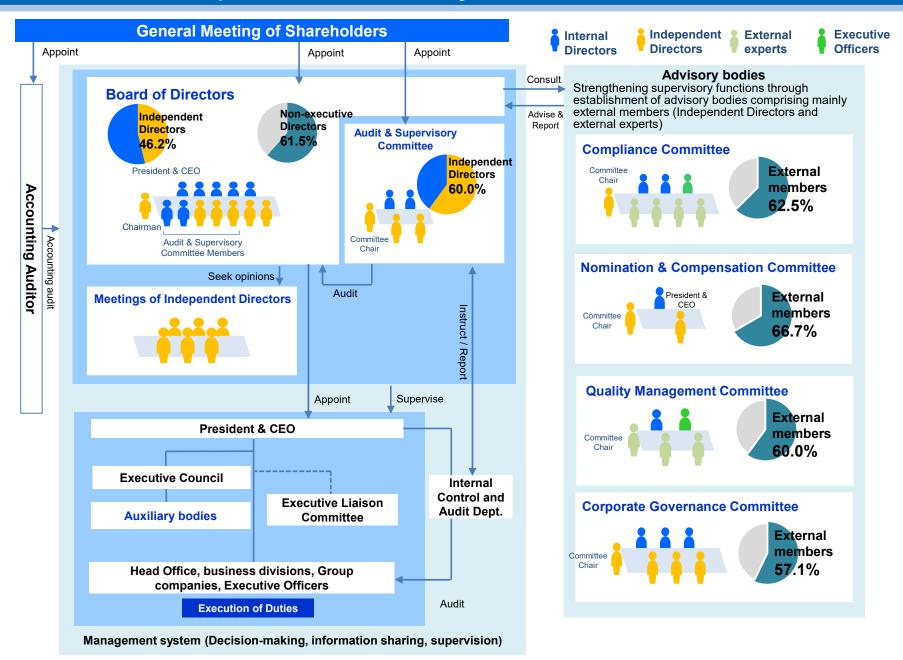


5. Governance: Changes in Management Structure





5. Governance: Corporate Governance System



5. Governance: Background and Experience of Directors

		Name	Current Position	Planning/ Project management	Finance/ Accounting	Materials business	Machinery business	Electric power business	Technical development/ Manufacturing/ Facility technology	Overseas business	Legal/Risk management	Insights into other industry sectors
Ш	Internal	Mitsugu Yamaguchi	President, CEO and Representative Director	0	0	0	0	0		0	0	
Executive	Internal	Fusaki Koshiishi	Executive Vice President and Representative Director	0		0			0			
	Internal	Koichiro Shibata	Executive Vice President and Representative Director	0		0			0			
Directors	Internal	Yoshihiko Katsukawa	Director, Executive Officer	0	0		0	0			0	
rs	Internal	Hajime Nagara	Director, Executive Officer	0		0				0	0	
	Independent	Takao Kitabata	Director (Chairman of the Board of Directors, Chair of the Nomination & Compensation Committee)								0	0
	Independent	Hiroyuki Bamba	Director (Chair of Corporate Governance Committee)	0					0			0
Non-executive	Independent	Yumiko Ito	Director								0	0
xecut	Internal	Hiroshi Ishikawa	Audit & Supervisory Committee Member (full-time)	0			0			0		
	Internal	Yasushi Tsushima	Audit & Supervisory Committee Member (full-time)	0	0	0	0	0				
Directors	Independent	Yoshiiku Miyata	Audit & Supervisory Committee Member	0						0		0
S	Independent	Masaaki Kono	Audit & Supervisory Committee Member (Chair of Audit & Supervisory Committee)	0	0							0
	Independent	Kunio Miura	Audit & Supervisory Committee Member (Chair of Compliance Committee)								0	0



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Participation in Sustainability Initiatives (Examples)

- (From Dec. 2020) TCFD TASK FORCE ON CLIMATE-RELATED FINANCIAL DISCLOSURES **◆**TCFD
- **♦ Declaration of Partnership Building**



♦ Keidanren's Challenge Initiatives for 30% of Executives to be Women by **2030** (From Aug. 2021)



♦ United Nations Global Compact (From Mar. 2021)

WE SUPPORT



◆ Declaration on Action by Male Leaders Coalition for Empowerment of Women, Cabinet Office (From Aug. 2021)





6. Sustainability Initiatives and External Evaluations

External Evaluations (Examples)

◆FTSE4Good Index Series (From June 2021)



FTSE4Good
Included in the ESG Investment
Index for the first time

◆2021 Certified Health & Productivity Management Outstanding Organizations Recognition Program (White 500)



Certified two years in a row

◆CDP (From Dec. 2020)



Awarded "A-" in the climate change and water security categories

♦FTSE Blossom Japan Index (From June 2021)



FTSE Blossom Japan

Included in the ESG Investment Index for the first time

◆ Platinum Kurumin Certification (From 2019)





Today's Topics

- 1. KOBELCO Group's Sustainability Management
- 2. Key Points of Today's Presentation
- 3. Environment
- 4. Social
- 5. Governance
- 6. Sustainability Initiatives and External Evaluations

Attachments: Reference Information



Materiality of the KOBELCO Group		Indicators/target				
Materiality of the	ROBELCO Group	Indicator	Target	Actual (FY2020)		
	Response to climate change	(1) Reduction of CO ₂ emissions in production processes	FY2030: Down 30-40% (compared to FY2013 levels) FY2050:Taking on the challenge of realizing carbon neutrality	Down 21%		
Contributing		(2) Reduction of CO ₂ emissions through technologies, products, and services	FY2030: 61 million tons (including at least 45 million tons through MIDREX® process) FY2050: 100 million tons or more	40.9 million tons		
to a green society (*) (*) A green society is not limited to the narrow meaning of a society merely using natural		(3) Reduction of CO ₂ emissions in the electric power business	FY2030:Increasing efficiency of coal- fired power plants USC or higher FY2050:Taking on the challenge of realizing carbon neutrality	-		
energy, but is defined as a society that deals with climate change issues and	Response to resource recycling	(4) Water recycling rate	Maintaining at 95% or higher	95.9%		
resource recycling		(5) Waste recycling rate	Recycling three major items (*) FY2025: 99% (*) Three major items: Slag, dust and sludge	98.7%		
Ensuring safety and security in community	Supplying energy focused on energy security, economic efficiency, environment, and safety (3E plus S)	_		-		
development and manufacturing	Providing materials and machinery that meet needs	(6) Percentages of target products in the product	FY2025:Percentage of wire rods/bars and high-strength steel in the steel business 52%	44%		
	Improving safety and productivity	mix	_	_		

Materiality of the KOBELCO Group		Indicators/target			
		Indicator	Target	Actual (FY2020)	
	Reforms in	(7) Number of digitization projects	_	(* <u>1)</u>	
	manufacturing and operations through digital transformation (DX)	(8) Progress rates of reorganizing existing systems	_	_	
Providing solutions for the		(9) Number of DX personnel trained	a. FY2023: About 500 ^(*2) b. FY2023: About 140 ^(*2)	a. 35 b. 99	
future connecting people and technology	Fusion and innovation of diverse intellectual assets	(10) New business creation	FY2025:Multiple task forces (TFs) to move toward creating new businesses FY2030:Multiple TFs to launch new businesses (annual target earnings of 1 billion yen or more per business)	_	
		(11) Number of employees with PhD	_	177	

^(*1) From fiscal 2021, started to count the number of projects with the target carefully selected



^(*2) a. IT evangelist (those who take the initiative to plan and promote business reforms in their respective divisions utilizing IT) b. Data scientist ((those capable of advanced data analysis)

Materiality of the KOBELCO Group		Indicators/target				
Materiality of the	KOBELCO Group	Indicator	Target	Actual (FY2020)		
		(12) Employment rate of female new graduates	FY2023: a. Career-track administrative positions: 50% or more b. Career-track technical positions: 15% or more c. General technical positions: 15% or more	a. 34% b. 16% c. 9%		
		(13) Ratio of female managers	Doubled from fiscal 2020	2.7%		
	Diversity and inclusion (*)	(14) Employment rate of people with disabilities	2.3% (statutory employment rate)	2.34%		
Promoting active		(15) Number of non-Japanese employees	_	87		
participation of diverse		(16) Percentage of employees taking special childcare leave (Male employees)	FY2023: 100%	77.8%		
human resources		(17) Turnover of employees within 10 years	Less than 15%	15.8%		
resources	<u> </u>	(18) Overtime hours worked	_	16.6 h (per month/employee)		
		(19) Average number of days of annual paid leave taken	15 (per year/employee)	11		
		(20) Actual total of hours worked	Under 2,000 per year	1,978 h		
		(21) Continuation of employee awar	Ongoing			
	Human resources development	(22) Improving and expanding employee training a. Total hours trained (across all employees) b. Average hours of training per employee		a. 210,948 h b. 18 h		

^(*) To ensure diversity among core personnel, we will continue to examine our response to the revised Corporate Governance Code



		Indicators/target				
Materiality of the KOI	BELCO Group	Indicator Target	Actual (FY2020)			
	Compliance and risk management	23) Number of internal reporting (whistleblowing) — cases	112			
	Respect for human rights	24) Improving and expanding (*1) employee training	_			
	Health and safety	25) Lost time injury frequency rate 0.10 or less	0.24 (calendar year)			
Pursuing		(26) Improving and expanding supervisor training				
governance that supports sustainable growth	Quality assurance	27) Accreditation rate with Quality Guidelines in internal quality audit 70% of internal quality target locations in FY2	` — '			
Sustamable growth		28) Automation rate of testing and inspection equipment as defined by the Company (*3)	_			
		(29) Continuation of customer satisfaction survey				
	Corporate governance	(30) Improving the effectiveness of the Board of Directors				

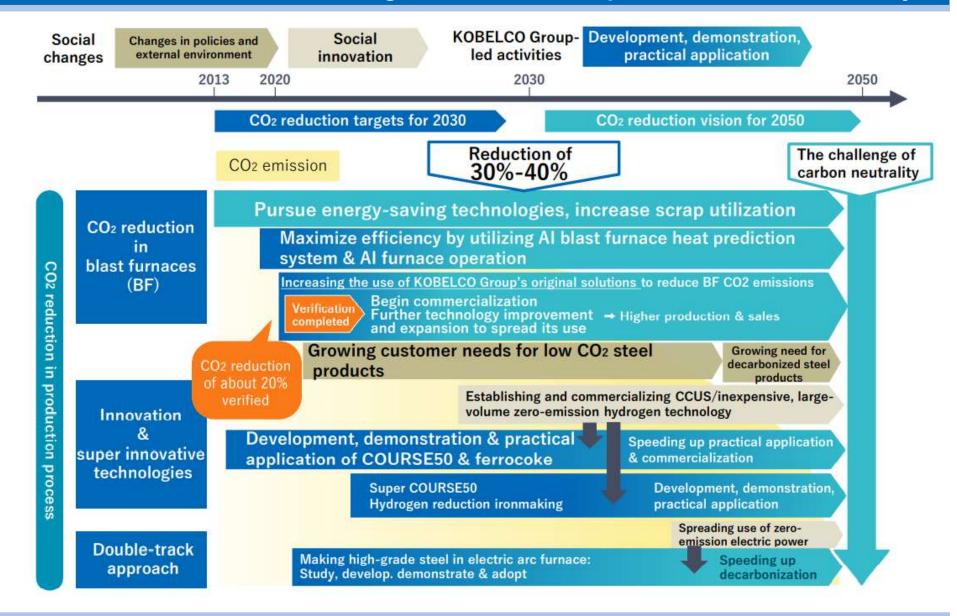
^(*1) We are studying ways to improve and expand human rights training for employees and to implement human rights due diligence



^(*2) We began Quality Guideline accreditation from the quality audit in fiscal 2021

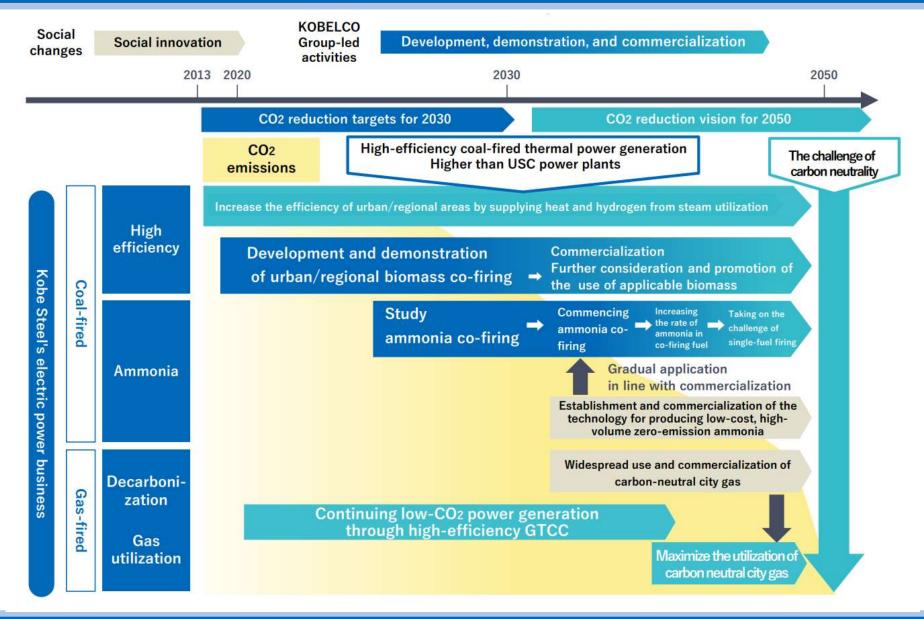
^(*3) Medium-to long-term targets are under consideration

Reference Information: Ironmaking Process: Roadmap toward Carbon Neutrality





Reference Information: Electric Power Business: Roadmap toward carbon neutrality





Source: Midrex Technologies, Inc.

Reference Information: DRI Production

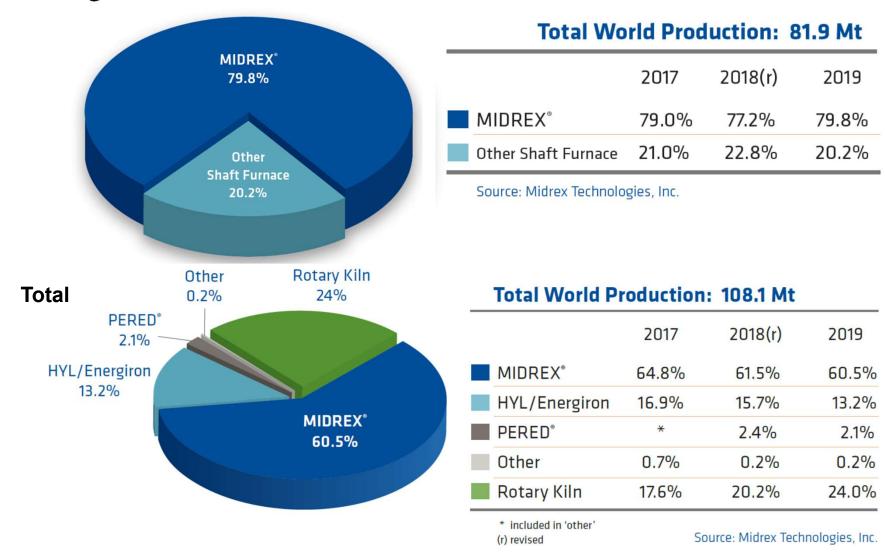
- The world's DRI production is approx. 108 Mt (2019).
- The world's crude steel production is approx. 1,870 Mt, while Japan's production is 98 Mt (2019).

World DRI Production by Year (Mt)

Total Year Year Total Year CDRI HBI HDRI Total 1970 '88 0.79 14.09 '06 48.41 2.69 59.70 8.60 HDRI (Hot DRI: DRI taken out from a DR furnace without cooling) '71 0.95 '89 15.63 '07 55.79 8.34 2.99 67.12 HBI '72 1.39 '90 17.68 '08 55.52 8.19 4.24 67.95 CDRI (Cold DRI: DRI cooled after being taken out from a DR furnace) '73 1.90 19.32 52.54 4.86 64.33 '91 '09 6.93 70.28 '74 2.72 '92 20.51 56.60 6.47 10 7.21 '75 73.21 2.81 '93 23.65 111 59.41 7.60 6.20 '76 3.02 '94 27.37 12 59.51 7.90 5.73 73.14 '77 3.52 '95 13 62.50 74.92 30.67 6.17 6.25 108.10 Mt '14 7.01 74.59 '78 5.00 '96 33.30 62.41 5.17 '79 6.64 '97 36.19 15 58.43 5.66 8.55 72.64 '80 7.14 '98 36.96 16 57.74 5.29 9.73 72.76 87.10 '81 7.92 '99 38.60 17 67.88 11.06 8.16 '82 7.28 '00 43.78 '18 80.55(r) 11.16 100.73(r) 9.03 '83 7.90 '01 40.32 19 87.16 9.67 11.27 108.10 '84 9.34 '02 45.08 '85 11.17 '03 49.45 '86 12.53 '04 54.60 '87 '05 13.52 56.87 0.79 Mt '70 119

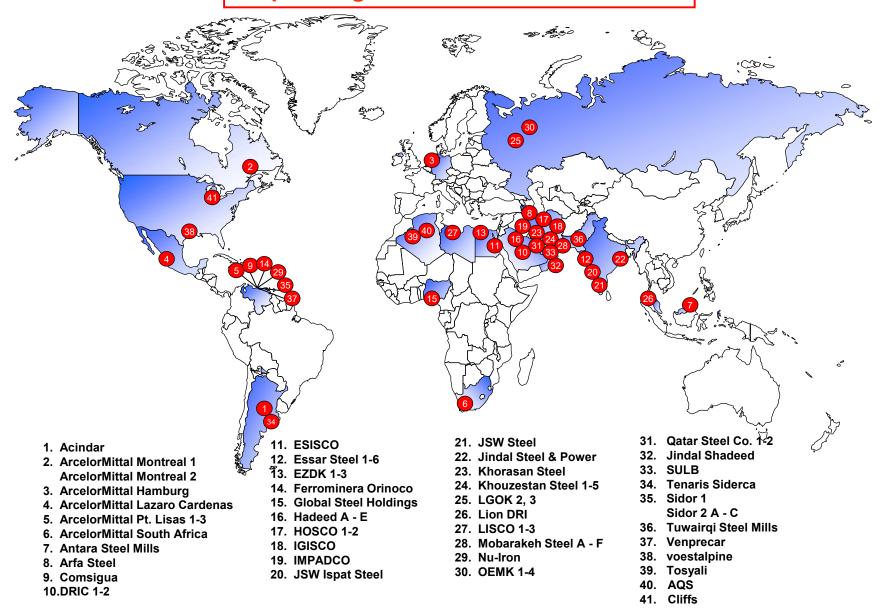
MIDREX® process: approx. 80% share in natural gas-based DRI

Natural gas-based



Reference Information: MIDREX® Plants Supplied

Operating in 21 countries worldwide

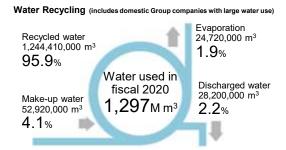


Reference Information: Response to Resource Recycling

We actively work on resource recycling including water and waste recycling by setting numerical targets.

Water Recycling

KOBELCO Group is working to reduce water consumption by prioritizing the efficient use of water in production processes, as well as recycling of water, with the goal of maintaining a water recycling rate of 95% or higher.



We have set targets for chemical oxygen demand (COD), total nitrogen, and total phosphorus for business sites located in areas with wastewater risks. We are also working to reduce the pollutant load of wastewater discharged into public water by purifying wastewater from production processes using treatment systems suited to their specific characteristics.

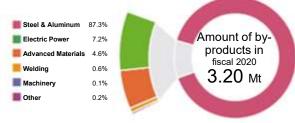
Wastewater Pollution Load Status Unit: tons/year

	Target	Result
COD	474	243
Total Nitrogen	2,513	1,915
Total Phosphorus	23	3

Waste Recycling Rate

- ➤ Seeking to make effective use of limited resources, we are working to reduce the generation of waste and actively promoting recycling by increasing the added value of by-product materials from production processes and developing and introducing new applications.
- ➤ In fiscal 2020, KOBELCO Group generated 3.2 million tons of by-product materials, with the steel and aluminum businesses accounting for around 87%. We are also actively working to improve yield and reduce the use of by-product materials and have set a target of 99% for recycling of slag, dust, and sludge in fiscal 2025.

By-products (includes domestic Group companies)



Recycling rate* : 98.7%

^{*} Recycling rate = (Amount treated - Final disposal amount) / Amount treated Refers to slag, sludge, and dust (main sources of by-products)



Reference Information: Social Contribution Activities in Response to COVID-19

We conduct the following activities in response to COVID-19.

♦ IP Open Access Declaration Against COVID-19

We have joined the IP Open Access Declaration Against COVID-19 to support the early containment of the COVID-19 pandemic. In accordance with the intent of the declaration, we declare that we will not assert any intellectual property rights with respect to activities implemented solely for the purpose of stopping the spread of COVID-19.



◆ Donation of Medical Supplies

We have donated protective gear and other medical supplies to government agencies to support healthcare workers who are working against COVID-19 at the frontline.

We have used some of our stockpile to

help alleviate the supply shortage in medical settings and to help protect the safety of healthcare workers.

♦ Use of Facilities for Vaccination Venues

We have offered the use of our facilities as COVID-19 vaccination sites



I. H. D. Center Co., Ltd. building



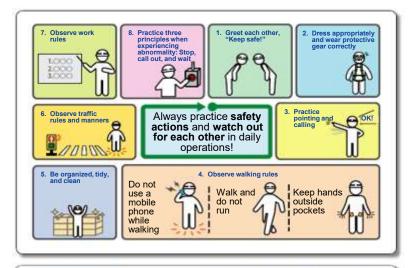
COVID-19 vaccination site



Reference Information: Safety and Health

Safety Card

The Card shows eight actions that should be practiced daily to raise an awareness about basic rules and manners. The reverse side shows "Safety Declaration (Personal Goal)" and "Key Points for Pointing and Calling" to be checked before starting to work.



▼ My Safety Declaration	(Personal Goal) Kobe Steel, Ltd. Safety Card
■ My Key Points for Poi	nting and Calling

Enhance and support safety management at overseas locations

Example: Crane use at a Chinese subsidiary

A lecturer was sent from Japan to teach crane operators at a Chinese subsidiary (including practical tests) to eliminate accidents related to crane operation.



↓ Lecture

↑ Practical test





Reference Information: Changes in Management Structure (Details)

Key issues of the new Medium- Term Management Plan	Implementation Measures	Description
Business portfolio reform Strategic investment leading to earnings contribution New business creation Strengthening of financial governance	Newly established the Business Portfolio Management Committee	 Formulation of optimal capital structure and cash allocation policies based on financial plans Planning of companywide business portfolio strategy Performance management by business units and Group companies Determining business direction based on monitoring of unprofitable businesses Determining management resources to be invested in new businesses
	Newly established the Investment and Loan Committee	 Analysis of investment risks, evaluation of businesses targeted for investment Determining investment timing and feasibility in cooperation with the Business Portfolio Management Committee Strengthening the follow-up of ongoing investments and determining direction of plans that have not been achieved
	Organizational changes in head office: Finance and Accounting Department Business Development Department	 Strengthening and centralizing management operations of calculation of figures Strengthening functions related to new business planning across the Company
Sustainability management Promoting active participation of	Sustainability Management Committee (former CSR Committee renamed with enhanced functions)	Planning and monitoring of action plans for sustainability management (including the challenge of carbon neutrality)
diverse human resources	Organizational changes in head office: General Administration and CSR Department	Strengthening and centralizing functions for stakeholders
Improving the effectiveness of risk management	Newly established the Risk Management Committee	 Formulating basic policies on overall risk management Accelerating companywide deployment through centralizing information
	Organizational change in head office: Internal Control and Audit Department	Unification of operations related to the development/operation and evaluation/auditing of internal controls, including risk management and compliance
Corporate governance enhancement	Newly established the Corporate Governance Committee	 Formulation of basic policies on corporate governance Examination of optimal management structure
Promoting DX strategy	DX Strategy Committee (former IT Strategy Committee with enhanced functions)	 Planning and implementation of companywide DX strategy Visualization of companywide initiatives, progress management, and determining priority areas



Reference Information: Evaluation of Effectiveness of Board of Directors

Each fiscal year, we survey all Directors to evaluate the effectiveness of the Board of Directors and discuss future actions to improve its effectiveness. The evaluation results are posted on our corporate website.

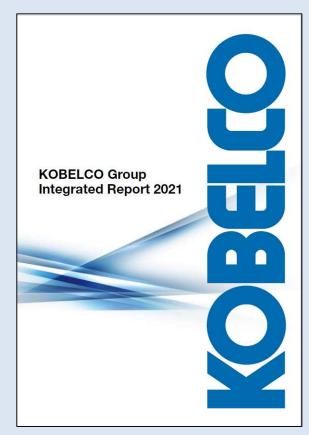
Evaluation Results of FY2020

Items	Details
Target	All 16 Directors
Implementation process	Conducting a questionnaire targeting all directors and holding interviews with each of them by the Corporate Governance Committee
Evaluation items	(1) Structure of the Board of Director, (2) Agenda of the Board of Directors, (3) Documents for the Board of Directors, (4) Management of the Board of Directors, (5) Provision of information to Independent Directors, (6) Monitoring and supervision of Directors, (7) Other items
Evaluation Method	 Based on the results of the questionnaire and interviews, the Corporate Governance Committee submitted to the Board of Directors the results of the effectiveness evaluation and proposed the future direction for improving the effectiveness. The Board of Directors reviewed the evaluation results and identified current issues. Based on these, the Board of Directors deliberated future initiatives for improving effectiveness and passed resolutions on future measures.

Summary of the Evaluation Results

- In FY2020, the Board of Directors and the Meetings of Independent Directors held discussions on several occasions in order to examine the direction of management strategies from a medium- to long-term perspective, the promotion of sustainability management, and the optimal management system.
- Based on the results of discussions, the Board of Directors formulated the framework of the Medium-Term Management Plan for fiscal 2021 to 2023. Besides, focusing on the areas for improvement identified in the effectiveness evaluation in fiscal 2019, the Board of Directors drastically revised the composition of its membership and the criteria for submission of proposals to the Board of Directors in order to further strengthen its monitoring functions.
- In addition, Guidelines for the Preparation of Materials for the Board of Directors have been drawn up by the secretariat and distributed to people concerned to make continuous improvements in the preparation of appropriate documents.
- Considering the above, the Company deems that the effectiveness of the Board of Directors has been steadily improved based on the previous effectiveness evaluation results.





The KOBELCO Group Integrated Report 2021 is available on our website.

https://www.kobelco.co.jp/english/about kobelco/outline/integrated-reports/

Click "About Us" and then "Integrated Report" on our website.



Reference Information: KOBELCO Group's Corporate Philosophy

We aim to contribute to "a world in which people, now and in the future, can fulfill their hopes and dreams while enjoying safe, secure, and prosperous lives" as we carry out our mission of "providing solutions to the needs of society, by making the best use of the talents of our employees and our technologies,"

	Our view of a society and future to be attained as we carry out KOBELCO's mission
KOBELCO's View of the Future	We envision a world in which people, now and in the future, can fulfill their hopes and dreams while enjoying safe, secure, and prosperous lives.
	Our mission and the social significance of the KOBELCO Group that we must fulfill
KOBELCO's Mission	Our mission is to provide solutions to the needs of society, by making the best use of the talents of our employees and our technologies.
	The commitments of the KOBELCO Group to society and the values shared by the entire KOBELCO Group
Core Values of KOBELCO	 We provide technologies, products and services that win the trust and confidence of our customers we serve and the society in which we live. We value, and support the growth of, each employee on an individual basis, while creating a cooperative and harmonious environment. Through continuous and innovative changes, we create new values for the society of which we are a member.
	Code of Conduct for all Group employees to follow to fulfill the Core Values of KOBELCO and the Quality Charter
Six Pledges of KOBELCO	Uphold the Highest Sense of Ethics and Professionalism Contribute to the Society by Providing Superior Products and Services Quality Charter Establish a Comfortable but Challenging Work Environment Live in Harmony with the Local Community Contribute to a Sustainable Environment Respect Each Stakeholder



Please read the "Next 100 Project" page below in our website for specific initiatives to spread our corporate philosophy: https://www.kobelco.co.jp/english/about kobelco/outline/next100/index.html



- Certain statements in this presentation contain forward-looking statements concerning forecasts, assertions, prospects, intentions and strategies. The decisions and assumptions leading to these statements were based on information currently available to Kobe Steel. Due to possible changes in decisions and assumptions, future business operation, and internal and external conditions, actual results may differ materially from the projected forward-looking statements. Kobe Steel is not obligated to revise the forward-looking contents of this presentation.
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 - Changes in currency exchange rates
 - Availability and market conditions of raw materials
 - Products and services of competing companies, pricing policy, alliances, and business development including M&As
 - Strategy changes of alliance partners

