

ESG Presentation

MCI Group's Promotion of ESG	HASHIMOTO Osamu Representative Director, Member of the Board, President & CEO
1. Group-wide risk management	ICHIMURA Satoshi Managing Executive Officer & CSO
2. Innovation · Digital Transformation	 YOSHINO Tadashi Representative Director, Member of the Board, Senior Managing Executive Officer, CTO SHIBATA Shingo Managing Executive Officer, Center Executive, R&D Center SAMBE Masao Managing Executive Officer, CDO, Sector President, Digital Transformation Sector
3. Outside Director's Perspective	MIMURA Takayoshi Member of the Board

July 9, 2024

Mitsui Chemicals MCI Group's Promotion of ESG Group

HASHIMOTO Osamu

橋本 修 Representative Director, Member of the Board, President & CEO Mitsui Chemicals, Inc.

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July 9, 2024

Corporate Mission

Contribute broadly to society by providing high-quality products and services to customers through innovation and the creation of materials, while keeping in harmony with the global environment

Corporate Target

To be a corporate group that continues to grow by solving social challenges and creating diverse value with the power of chemistry

Triple Bottom Line

The Mitsui Chemicals Group is looking to secure its sustainable growth and development in harmony with society. To this end, we are advancing triple bottom line management, which incorporates economic, social, and environmental measures, engaging in operations from a long-term perspective, and promoting measures that are designed to help resolve social issues.





2. Working to Bring VISION 2030 to Fruition



Pursuing VISION 2030, which incorporates both our corporate vision and material topics, while responding to environmental changes by updating our initiatives.



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Uncertainty & change brought about by events surrounding the Group that affect the achievement of management strategies & goals



Pursuing business portfolio transformation, along with the transformation of our business models and our corporate and business infrastructure by driving digital transformation



Pursuing Corporate Transformation through VISION 2030

Mitsui Chemicals 1. Group-wide risk management Group

ICHIMURA Satoshi

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- 1. Corporate Sustainability Policy
- 2. Group-wide risk management
- **3.** Key Group-wide risks
- 4. Efforts to Address the Most Important Risks



The Mitsui Chemicals Group's policy on ESG promotion is to achieve sustainable development by maximizing value and minimizing risk

Incorporating ESG into our corporate management and strategy is part of risk management



minimizing threats induced by risk & taking full advantage of opportunities,

along with the development of organizational structures for this purpose

2. Group-wide risk management



- Fiscal 2023 saw us overhaul our risk management system in order to minimize threats to growth and take full advantage of opportunities
- After objectively evaluating risks identified and proposed by executives, the Board of Directors identifies the key Group-wide risks



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Revised

After checking the consistency of the responses to the key Group-wide risks identified with the material topics/non-financial KPIs, we have made some revisions

Key Group-wide risks (1) Business continuity risks ② Production/quality risks ③ Compliance risks (4) Technological innovation risks (5) Climate change risks 6 Natural capital risks ⑦ Human rights risks (8) Business infrastructure risks Digital transformation risks 10 Corporate management and supervision risks 11 Macroenvironmental risks

Material topics	Non-financial KPI		
Climate change Circular economy Health and livelihood Highly livable communities Food security Product design based on full life-cycle considerations	 Blue Value[™] products sales revenue ratio Rose Value[™] products sales revenue ratio GHG emissions reduction rate (Scopes 1 and 2) *compared to FY2013 		
Safety	 Incidence of major accidents & serious occupational injuries 		
Respect for human rights	Response to human rights risks		
Compliance	Incidence of major legal and regulatory violations		
Product quality	Incidence of PL accidents & serious product quality incidents		
Stable production • Number of problems involving high-val			
Corporate culture	Engagement score		
Human capital	 Successor coverage rate for critical positions Number of executive officers with diverse backgrounds (women, non-Japanese, mid-career hires); MCI Ratio of women in management positions (manager-level or above); MCI Average rate of lifestyle-related disease; MCI Frequency of absences from work due to mental health disorders; MCI 		
Digital transformation	Number of data scientists		
Innovation	 Number of development themes in the latter half of our Stage Gate System Number of new areas of development at our Frontier Technology Center 		
Partnerships	Sustainable production ratio		



Having identified business continuity risks as the most important risks, we have made provision for them in the budgets of all departments and are working to flesh out our response measures

Envisaged events		Main response measures	
Root cause	Event	Main response measures	
Unexpected situations Major disasters/accidents, Emergence of geopolitical risks, Outbreak/spread of infectious diseases, Cyberattacks, etc.	 Interruption/restriction of production/sales/R&D Supply chain disruption 	 Updating BCP Procurement of supplies & materials from several sources, mutual use of global sites & plants, diversification of distribution routes Enhancement of the disaster resilience of production/R&D sites Maintenance of appropriate inventory Updating of the cyberattack recovery plan Formulation/updating of response measures in the event of a disaster involving a subcontractor Updating of BCP scenarios based on a major earthquake and implementation of more practical Group-wide drills, etc. Response to vulnerabilities based on the results of IT system security checks at domestic and overseas subsidiaries & affiliates Regular sharing of information with regional headquarters in case of emergency situations overseas, and checks of regional safety situations, etc. 	
Growing demand concerning social challenges Climate change, Creating a recycling- oriented society, etc.	 Interruption/restriction of production/sales/R&D Reputational decline, reduced rating, withdrawal of investment 	 Apprehension of global trends & information concerning laws & regulations gained via regional headquarters & bodies to which MCI belongs, enhancement of internal information-sharing frameworks Further refinement and implementation of the rules for Blue Value™ & Rose Value™ certification and operation Establishment and pursuit of indicators & targets concerning recycling/biomass strategies, etc. 	

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Mitsui Chemicals 2. Innovation, Digital Transformation Group

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芳野 正

Representative Director, Member of the Board, Senior Managing Executive Officer, CTO Mitsui Chemicals, Inc.

SHIBATA Shingo

柴田 真吾

Managing Executive Officer, Center Executive, R&D Center Mitsui Chemicals, Inc.

SAMBE Masao

三瓶 雅夫

Managing Executive Officer, CDO, Sector President, Digital Transformation Sector Mitsui Chemicals, Inc.

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- 1. Accelerating R&D
- 2. Transforming Production Sites
- 3. Supporting Business Activities
- 4. Conclusion





Positioned among the key challenges we should address, innovation and digital transformation serve as boosters of business portfolio transformation



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Pursuing initiatives aimed at achieving wide-ranging changes in people, organizations and society via the catalyst of digital transformation that overcomes a variety of boundaries



Contributing broadly to society by creating new value,

via the provision of high-quality products and services to customers through innovation and the creation of materials with new technologies and ideas, as well as via improved production methods, entry into new markets and organizational reform, while keeping in harmony with the global environment



1. Accelerating R&D – R&D Strategy–



As well as bolstering and expanding the revenue base of Mitsui Chemicals' businesses, we will continually create new value through innovation that yields solutions to social challenges, and thereby serve as the driving force for shaping the future of Mitsui Chemicals



Technical service, product variations development, new product development, new business development, process technology development, cornerstone technology & innovative technology development

R&D in pursuit of four objectives: creation of business opportunities, creation of new functions, profit generation and sustainability.

Technology platforms

Technology infrastructure that identifies core technologies that need to be refined and new technologies to be acquired. Strategically and continually refining and acquiring these technologies.

Research and development based on two approaches Beyond 2030 2050 Backcast-based R&D Forecast-based R&D A strategy to resolve foreseeable social issues A strategy to help solve the social challenges of a difficult-to-predict future • Carrying out research from a long-term perspective in which we first consider what Research based on our technologies conducted by taking advantage of our sort of future we want to create out of a wide range of possibilities, then backcast strengths from this to decide which issues to try and solve • Strengthening and expanding our technology platform in line with the • Identifying areas where we aim to expand businesses beyond 2030, without being social issues that we aim to resolve in each business portfolio constrained by our existing business portfolio, and carrying out research and development in those areas Copyright © 2024 Mitsui Chemicals, Inc.









Leveraging the technology and knowledge we have amassed on MI, and speeding up new materials development by introducing HPC





Operating plants efficiently, safely and stably by proactively introducing the IoT, AI and other advanced technologies



Infrastructure development

(digital infrastructure, production technology personnel, digitalization of technology data)

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Pursuing infrastructure development by introducing various advanced technologies that help to enhance decision-making





Looking beyond 2030

Designing the plants of

backcasting approach

 \checkmark Vision of the ideal plant

the future based on

 \checkmark Technologies to be

Representative Plant

 ✓ Operational Processes, Human Resources, etc.

acquired

 \checkmark and more

Verification in

✓ Facilities

✓ Technologies

Looking beyond 2030 as we take on the challenge of creating the plants of the future





MCI DX Vision

By having all members of the Mitsui Chemicals Group utilize data and digital technologies, we aim to create innovative products, services and business models in an agile manner, leading a corporate, industrial and societal transformation with the goal of solving social challenges

Implementing a corporate transformation (CX)

Basic Strategy 2	Basic Strategy 3	Basic Strategy 4	
Pursuing innovation for our operations	Bolstering our development capabilities	Transforming our business models	
Using and acting on real-time data	Unearthing new customers, products, and markets	Switching business to a social issue perspective	
Basic Strategy 1 Improving our digital literacy			

Improving the skills of all employees to help us transform into a data-driven organization and culture

Strengthening data and IT infrastructure

3. Supporting Business Activities –Example 1–

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Realize standardization, efficiency improvements, and stabilization of chemical logistics by combining DX technology with chemical logistics expertise, in response to the driver shortage and reduction of GHG emissions





Responding to demand from the Japanese plastic collection and distribution sector by building a blockchain-based platform



Promotion of plastic resource recycling



Export of 1.3 million tons/year of recovered plastic to other countries \rightarrow Demand from the Japanese plastic collection & distribution sector

1 Achieving traceability of plastic materials

Information about materials, properties, quality, proportion of recycled material, number of times recycled, etc.

2 September 30, 2022: Established the Pla-chain Resource Circulation Consortium

A consortium that discusses the ideal approach to promoting resource recycling and tackling individual issues51 participating companies, as of June 2024

3 Launch of the Sustainable Plastics Certification (SPC) program (before the end of 2024)

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Seeking out new material themes by building a proprietary dictionary using external information (e.g., patents, news)





Achieving corporate transformation by adding elements of the future to what we have now as we pursue VISION 2030

	N	OW	Future		
	Product	– Basic Materials	Solution	- Solution Service	
Product	One-time	– Product	XaaS	- Subscription	
	Pull	– Inbound	Push	Outbound	
Sales/ Marketing	Mass	– Mass marketing	One to One	Personalized marketing	
	Existing	– Limit within existing customers	3New (Customer, Product, Market)	- Acquire potential customers	
Skill/Mind	Digital (Only D)	– Only digitization/digitalization	Transformation (x)	- Business transformation	
	Too careful	- Long-term requirement	Agile	Quickly develop new models	
	Batch	Processing by month/week/day	Real-time	- Real-time processing	
	Dependent analysis — Analysist does not know business	Self-service analysis	Own analysis and decision- making		
	As Is	– Traditional goal setting	Stretch	-Stretch goal setting	

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4. Conclusion – Innovation Through Digital Transformation–



Pursuing corporate transformation (CX) by accelerating business portfolio transformation through digital transformation, and contributing broadly to society by creating new value



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■ This series of processes will further the pursuit of our CX.

Mitsui Chemicals 3. Outside Director's Perspective Group

MIMURA Takayoshi

三村 孝仁

Member of the Board Mitsui Chemicals, Inc.

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July 9, 2024

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1. Self-Introduction

- 2. Evaluating the Board's Effectiveness
- ▶ 3. Hopes for Mitsui Chemicals

Outside Director MIMURA Takayoshi

- Apr. 1977 Joined Terumo Corporation Jun. 2002 Executive Officer of Terumo Corporation Jun. 2003 Director and Executive Officer of Terumo Corporation Jun. 2007 Director and Managing Executive Officer of Terumo Corporation Director and Senior Managing Executive Officer of Jun. 2010 Terumo Corporation Apr. 2017 Chairman of the Board of Terumo Corporation Jun. 2021 Chairman of The Japan Federation of Medical Devices Associations Director and Corporate Advisor of Terumo Corporation Apr. 2022 Jun. 2022 Corporate Advisor of Terumo Corporation, Outside Director of AUTOBACS SEVEN CO., LTD. (to present)
 - Member of the Board of the Company (to present)
- Jun. 2023 Outside Director of Niterra Co., Ltd. (to present)
- **Role** I objectively evaluate overall management based on my experience as a corporate manager & head of an industry organization, and my in-depth insight in the health care field, which Mitsui Chemicals is focusing on.
 - In board meetings, I provide opinions from the perspective of the suitability of business strategy and enhancement of management, thereby improving the effectiveness of management supervision.
 - As a member of the Nomination Committee & Executive Compensation Committee, I ensure the transparency and suitability of the nomination & compensation system for management.





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- Board of directors and related Committee management/discussions : Accelerating shift to an investor/ shareholder perspective, including fundamental changes to the compensation system
- Board of directors Support System, Discussions by outside directors : Shift in emphasis from box-ticking to effectiveness, and expectation of more active dialogue between auditors and board members

<u>Evaluation</u> process	1. Third-party of sends question board members	organization ionnaire to pers & auditors	 2. Achievements & issues identified based on results of evaluation & analysis 3. Outside directors alone discuss findings, then discuss them with board members 4. Report to board of directors, share future challenges/ measures 		. Report to board of directors, share future challenges/ measures	
Evaluation	Evaluation items	Compared to other companies*	Questions			
<u>results</u>	Operation	+	Free, vigorous and constructive discussion and exchange of opinions, rather than formal discussion and exchange of opinions			
	Operation of committees	+	Deliberations for developing the selection criteria for CEO (including succession plans for CEO and clarification of the dismissal process)			
		+	Effectiveness of each voluntary committee			
		+	Adequate discussions to set an appropriate share for performance-linked compensation component			
		+	Free, vigorous and constructive discussion and exchange of opinions, rather than formal discussion and exchange of opinions			
	Discussion	+	Proactive involvement in the development and operation of succession plans for CEO and others			
		÷	Supervision of allocation of management resources to human capital, etc. & implementation of business portfolio-related strategies			
		+	Design of the compensation system for management & decisions on specific compensation amounts			
	Support System	+	Opportunities for training required of executives			
		_	Staffing setup to support the activities of board members & auditors			
	Own efforts	_	Reflection of own opinions in decision-making and judgments			
		_	Exchange of opinions among outside directors in settings other than board meetings			

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* Items for which the difference between our score and the average score of other companies is ± 0.3 points or more.



> VISION 2030

- Praise for the setting of clear quantitative targets that include non-financial targets, and for the points covered by KPIs.
- Vital to ensure widespread understanding of the company's intentions internally and externally, and also to demonstrate progress.
- The company must build these intentions into the management planning system, incorporating them into everything from budgets to KPIs for individuals, and then ensure they are implemented without fail.

> M&A

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- The purpose is either to acquire technologies the company does not have, speed up development, or capture a new market.
- Vital to further enhance the accuracy of due diligence, while pursuing the company's vision for the future.
- To ensure even better outcomes from M&A, the company should bolster monitoring both before and after deals, and attach importance to objective viewpoints.

ESG initiatives

- Aware that these initiatives are the most important tasks for ensuring the company's social contribution and sustainability.
- The company should attach importance to the time frame for progress, because it faces more challenges than ever before and a growing need to address them in specific terms.



A global solutions company that leads change and contributes to a sustainable future

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0→1 MAKE IT HAPPEN

Chemistry for Sustainable World



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