Mid-Term Business Plan 2023



May 13, 2022

Mitsui E&S Holdings Co., Ltd.



Mitsui E&S Holdings Co., Ltd.



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Changing the Company Name

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1. Mid-Term Business Plan 2023 Framework



changes.

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1.1. Mitsui E&S Group Strategic Goals

>Our mission

We build trust and contribute to society through our engineering and services

Implement resolute management in core business domains

≻Vision in 2030

In the marine domain, we create a carbon-free society and resolve challenges induced by depopulation

>Management Policy

• Create new value together with customers \Rightarrow Business development

(Commitment to customers and suppliers)

<u>Conduct business through needs-oriented marketing and innovation in relevant</u> technologies

• Seek a sound financial structure and steady profit ⇒ Finance & Corporate Planning (Commitment to shareholders and financial institutions)

Manage and operate our group through the timely evaluation of marginal profit and fixed costs

 Accelerate the resolution of sustainability issues ⇒ Personnel and general affairs (Commitment to employees and society)

Address climate change, population decline and diversity in consideration of employees' health and safety

Standards of Conduct

Endeavor to provide simple, unique and practical products and services

We always focus on customer-centric products and services that fulfill three kinds of value, develop healthy businesses and bring them into the world to serve society

Redefine the Group's Mission and Vision in accordance with the guick shift to a sustainable society and other environmental









While the completion of the Business Revival Plan is now in sight, our business circumstances have drastically changed. In FY2022, we will finalize the Business Revival Plan and strengthen our foundation for carrying out the growth strategy.



1.3. Review of Business Revival Plan

Business Revival Subject		Initiatives	Achievements
	Liquidate and withdraw	Reorganize shipbuilding businesses	 Naval Ship Business: All shares were transferred to Mitsubishi Heavy Industries (October 2021). Merchant Ship Business: 49% of the shares of the company were transferred to Tsuneishi Shipbuilding to begin fabless operations.
Implement business restructuring	unprofitable businesses	Control the Engineering Business	 Governance strengthened through Engineering Business Management Department Loss on Power plant civil engineering construction projects confined within the provisions (excluding FX impact)
	Focus resources on growing businesses	Broaden the product lineup in the Machinery Business	 Broadened product and service lineups mainly in marine engines and port cranes Concluded MOU with IHI Power Systems to take over the large marine engine business
	Sell off assets	Sell businesses and assets worth around 100 billion yen	• Sales of 20 assets worth 120 billion yen were finished.
Improve financial and earning structure	Reduce fixed costs (personnel and other expenses)	Streamline by selling and reorganizing businesses	 No. of employees (consolidated): 13,000 (FY2019) -> 6,000* (planned for FY2022) Estimated labor costs: 110 billion yen (FY2019) -> 47 billion yen* (planned for FY2022)
	Implement Capital measures	Issue preferred stock and warrants	 Warrants worth around 8 billion yen issued in April 2022 Class A preferred stock worth 9 billion yen issued in June 2022

• Equity ratio: 8% (FY2019) -> 17%* (planned for FY2022)

Completion of the Business Revival Plan (FY2019-FY2022) is now in sight. In FY2022, implementation of capital measures totaling approximately 17 billion yen strengthens our financial foundation

*Figures for FY2022 represent values after deconsolidation of the Ocean Development business, which took place in November 2021.

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Reorganize shipbuilding businesses

Details of reorganization

- The Naval Ship Business and others were split from Mitsui E&S Shipbuilding and transferred to Mitsubishi Heavy Industries.
- The Merchant Ship Business transitioned to fabless operations following the acceptance of the investment from Tsuneishi Shipbuilding.

The Company withdraws from the shipbuilding business.

Control the Engineering Business

		Project achie	evement rate
Project	Region	End of FY2018 (At the start of the Business Revival Plan)	End of FY2021
1	Indonesia	Approx. 67%	Approx. 90%
2	Indonesia	Approx. 71%	Approx. 100%
3	Vietnam	Approx. 98%	Completion

Progress of these projects

- 1. Profit and loss is within the scope of the provision for additional loss recorded in 2Q of FYE March 2020 (excluding the effects of foreign exchange rate fluctuations).
- 2. Some remaining processes are progressing toward completion.
- 3. Completed in July 2020 and the plant was handed over.

Two of the three power plant civil engineering construction projects are almost complete. Risk has decreased.



2. Outline of Mid-Term Business Plan 2023



Outline		Contents			
Business	Returning to profitability	(FY2019) (FY2021) (FY2022) (FY2025) • Operating Income: $-62 \Rightarrow -10 \Rightarrow 5 \Rightarrow 19$ billion yen A positive bottom line of 100 million yen achieved in FY2020.			
revival	Attaining healthy balance sheets	(FY2019) (FY2021) (FY2022) (FY2025) • Capital-to-asset ratio: $8\% \Rightarrow 14\% \Rightarrow 17\% \Rightarrow 26\%$			
	Green strategy (GX)	 Increase development and production capacity through M&A activities and broaden the product lineup Develop engines for new fuels (LNG → ammonia) and hydrogen fuel cranes 			
Growth strategy	Digital strategy (DX)	 Provide remote maintenance and checkup services (for marine engines and port cranes) Optimize ship operations and automate port cranes 			
Growth investment		 Invest 30 billion yen for growth in the four years from FY2022 to FY2025 to implement the measures above 			
Functional strategies	Compliance with the revised Corporate Governance Code	 Pursue the realization of a carbon-free society and the resolution of challenges related to the shrinking population as material issues Focus on GX and DX as growth strategies to address these issues 			

The Completion of the Business Revival Plan (FY2019-FY2022) is now in sight. We will carry out the Mid-Term Business Plan 2023 (FY2022-FY2025) to accelerate growth.



Item	Targets (FY2025)	Concept
Consolidated net sales	280 billion yen	 Expand core businesses through growth investments and M&A activities Capture market share in GX products
Consolidated operating income ratio	6%	 Focus resources on core businesses and reduce fixed costs Build a new profit model using DX
Capital-to-asset ratio	26%	 Enhance the financial foundation through capital measures and the accumulation of profits Complete overseas engineering projects to reduce risks
Net interest-bearing debt EBITDA multiple	5.0	• Reduce interest-bearing debt with created cash flows
CAPEX, R&D Financial investments	30 billion yen*	 Take capital measures to procure funds for growth Allocate investments to core businesses

Restore the financial foundation and get the Group back on track through growth investment

*Total amount in the period of the Mid-Term Business Plan 2023 (FY2022-FY2025)



2.3. Mid-Term Business Plan 2023 Financial Outlook

Clarify the positions of individual businesses and expand sales and income mainly in core businesses



Trends in consolidated net sales and operating income



Trends in consolidated equity ratio and interest-bearing debt



Shift the interest-bearing debt to a reduction phase. With capital measures and the accumulation of profits, set a target equity ratio of 26% at the end of FY2025.

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3. Growth Strategy





Implement green strategy for increasing sales and digital strategy for stabilizing profit





Increase the advantages of marine engines and port cranes, accelerate the shift to green solutions, and expand the services and solutions domain over the medium and long terms

*Total reduction of CO₂ emissions attributable to products shipped in 2030 replacing heavy oil fuel products

3.3. Enhancement of Development and Production Structure for Marine Engines and Widening of Product Lineup



Increase development and production capacity through M&A activities and broaden the product lineup

- MOU signed regarding the succession of business related to marine large bore engines and its incidental business with IHI Power Systems Co., Ltd.
 - ✓ Increase development and production capacity through M&A activities to increase market share in Japan and strengthen the marine propulsion business as a core business of the Group
 - ✓ Establish a double-license system for MAN-ES¹ and Win-GD²
 - ✓ Increase resources for the production of large marine engines and enhance after-sales services to increase competitiveness and continuously expand the two companies' businesses



MAN B&W 8S70ME-C8.2-GI LNG-fueled diesel engine



MAN B&W 7S50ME-B9.3-LGIN. methanol-burning diesel engine



Mitsui E&S Machinery's after-sales service bases

WinGD 6X72DF dual fuel engine



S.E.M.T. 12PC2.6BV medium-speed four-stroke engine

Increase development and production capacity for marine engines and focus on commercialization of new fuel engines under the green strategy

¹ MAN-ES: MAN Energy Solutions ² Win-GD: Winterthur Gas & Diesel



Increase advantages mainly in marine engines by developing engines for new fuels and enhance production capacity In addition, step into incidental services and peripheral areas to enlarge business domains



3.5. Growth Strategy Based on Port Cranes



Step up advantages mainly in port cranes by addressing zero emissions and automation. In addition, develop and offer products using next-generation fuels to enlarge business domains.

*Registered trademark of PACECO® Corporation, a U.S.-based subsidiary of the Company



3.6 Growth Investments

Investments for growth during the period of Mid-Term Business Plan 2023 (FY2022-FY2025)

Use of funds	Associated businesses	Financing method	Investment amount
Research and development of ammonia fuel ships	 MLIT¹ R&D project NEDO² Green Innovation Fund project 		
 Research and development of zero emission (hydrogen) Transtainers 	NEDO subsidized project	Type A	Approx.
 Development of digital services in the domain where marine engines and port services are connected 	-	preferred shares ³	9 billion yen
 Reinforcement of fuel supply equipment for trial operation of ammonia/LNG fuel engines 	-		
 Reinforcement of manufacturing facilities for large LNG fuel engines 	-		
 Introduction of manufacturing facilities for engines for new fuels (LPG and methanol) 	roduction of manufacturing facilities for engines for new fuels		Approx. 4 billion yen
 Introduction of facilities for the development of hydrogen fuel engine technologies 	MLIT ¹ subsidized project		
 Reinforcement of other manufacturing facilities for new fuel engines 	-		Approx.
Development of other services using DX	-	Borrowings 17 billion y	
Total			Approx. 30 billion yen

Growth investment of around 30 billion yen in the marine propulsion and port logistics businesses to expand the scale of these businesses by 2025.

¹ The Ministry of Land, Infrastructure, Transport and Tourism

² New Energy and Industrial Technology Development Organization

³ See our press release on March 31, 2022



4. Functional Strategies



4.1. Initiatives on Sustainability Issues

Material issues should be defined in light of the risks and opportunities in our business circumstances with a growing awareness of issues including climate change and population decline.

Material issues	Value to customers and society FY2025 Forecast		FY2030 Target Relate SDG	
Creating a decarbonized society	Reducing Environmental Impact Excellent technologies and services	 CO₂ emissions from heavy oil fired marine engines (8.34 million t-CO₂/year)¹ CO₂ emissions reduction (8.34 million t-CO₂/year)¹ CO₂ emissions from conventional Transtainers (4,000 t-CO₂/year)¹ CO₂ emissions from the production activities of group companies (54,000 t-CO₂/year)^{1, 2} CO₂ emissions² 6,000 t-CO₂/year (-11%)³ 	 5.5 million t-CO₂/year (-66%)³ Product life cycle total: 110 million t-CO₂ Reference: 	
Resolving issues of a society with a shrinking population	Labor-saving and economic reasonableness Efficient and effective services	 Aim to develop and popularize digital technologies and services in individual domains Real time monitoring of the operations of marine engines and port cranes Support for the operation and maintenance of individual devices Stock-type digital services linking marine engines and port services 	 Annual sales of Transtainers Percentage of automated Transtainers: 40% 	

Set medium- and long-term goals for the creation of a decarbonized society and the resolution of issues of a society with a decreasing population and work to achieve the goals.

 1 FY2019 CO₂ emissions 2 Scope 1 and 2 emissions from the Machinery business have been calculated.

³ Compared to FY2019 ⁴ Product life cycle :20 years



4.2. Personnel Development and Diversity

	Cur	rent		Vis	ion
Organizational climate	 A strong sense of sectionalism and an insufficient sense of ownership regarding companywide problems Orientation toward improvement based on relative evaluation in comparison with the past Emphasis on manufacturing based on our own perspective 		•	A sense of unity and a perspective comprehensive optimization a Orientation toward reforms bar evaluation with the future vision Emphasis on the close monito on swiftly responding to them	cross the organization ased on an absolute on as a goal ring of customers' needs and
Personality	 Respond to explicit requests from customers within the existing scope of duties Act only to acquire the knowledge and experience necessary to fulfill the duties assigned Interested only in things related to one's own duties and business 		•	Respond beyond the existing Continuously learn new things the growth of the company	framework to customers' latent ne s and gain experience that will lea al trends to properly understand
	Cur	rent ¹		Goals fo	r FY2030
	Percentages of female employees	Percentages of foreign national employees		Percentages of female employees	Percentages of foreign national employees
		· · · · · · · · · · · · · · · · · · ·			

		employees	national employees	employees	national employees
	Managers ²	3.1%	0.0%	5%	3%
Diversity	Employees ²	6.8%	2.6%	10%	5%
	New graduates for technical Positions ³	4.1%	18.5%	10%	20%

Press ahead with the diversification of personnel, change the organizational culture and accelerate the reform of thinking among employees with a view towards growth.

¹ Figures of the three companies set to be integrated in April 2023: Mitsui E&S Holdings, Mitsui E&S Machinery and Mitsui E&S Business Service. ² Figure as of April 2022

³ Average in the period from FY2018 to FY2022



4.3. Overview of Management Base Reform

Item	Goals		
Organizational structure	 Abolish the holding company structure Build a compact management system Accelerate decision-making (by removing dual management) 		
Governance	 Implement groupwide risk management and the growth strategy instead of passive management Bring into view the future revision of the organization's design 		
 Finance and accounting Promptly evaluate marginal profit and fixed costs Understand management-level information on each products in real time Firmly manage and operate businesses and subsidiaries 			
Personnel system	 Partly introduce a merit system (to abolish the seniority system) and job-based employment, provide flexible career paths and construct a system to ensure diversity Add English language skills, accounting and IT literacy to the evaluation of all employees Appoint outside advanced professionals in business administration, financial affairs, contracts, legal affairs and other specializations Develop future managers (by job rotation) 		
IT system	 Eliminate sectionalism and isolationism in the IT organization Integrate multiple systems in the Group to increase efficiency Introduce simple and efficient systems matched to the scale of business 		

Change the management foundation to put the company on a growth track for sustainable development and improved corporate value

Continuously seek simple, unique and practical mechanisms as reform goals



E&S stands for Engineering & Services for Evolution & Sustainability.

We will focus on Engineering and Services with a view toward the evolution and sustainability of society and the sustainable improvement of corporate value.

New company name: MITSUI E&S Co., Ltd.



Engineering & Services for Evolution & Sustainability

In April 2023, we will cease to be a pure holding company and make a fresh start as MITSUI E&S towards our evolution into a growing company.