





# **MHI REPORT 2018**

MITSUBISHI HEAVY INDUSTRIES GROUP INTEGRATED REPORT

For the Year Ended March 31, 2018

MOVE THE WORLD FORW➤RD

MITSUBISHI HEAVY INDUSTRIES GROUP



## **Our Principles**

- > We deliver reliable and innovative solutions that make a lasting difference to customers and communities worldwide.
- > We act with integrity and fairness, always respecting others.
- We constantly strive for excellence in our operations and technology, building on a wide global outlook and deep local insights.

## Corporate Identity Statement



This corporate identity statement represents our intention to "continuously provide an assured future where people can live safe, secure, and enriched lives through technologies that can excite people and passion as a manufacturer for the sustainability of the earth and humankind."

## MHI Group CSR Action Guidelines

MHI strives to move the world toward a more secure future. Through our technology, our business practices and our people, we:

#### Care for the planet

We are eco-conscious, and engineer environmentally friendly technologies that improve sustainability and protect the Earth

#### Create a more harmonious society

We embrace integrity and proactive participation to solve societal challenges

#### Inspire the future

We cultivate global talent who share a vision and desire to move the world forward for generations to come







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Dow Jones
Sustainability Indices
In Collaboration with RobecoSAM (

MHI Group practices management with a focus on CSR and conducts a wide range of activities to enhance its business, the environment, and society. Thanks to efforts like these, MHI has been selected for inclusion in the Asia Pacific Index of the Dow Jones Sustainability Index (DJSI), a representative environmental, social, and governance (ESG) index. We have also been selected for inclusion in the FTSE Blossom Japan Index and the MSCI Japan Empowering Women index (WIN). (As of August 2018)

Our overarching goal is to create an affluent society in which all people, everywhere, can live with full peace of mind.

Today, a myriad of social issues—environmental issues especially—are coming to the fore as never before. In MHI Group, we believe that through our businesses we can resolve such issues, thereby enabling the realization of a sustainable planet.

In order for MHI Group to remain an entity always needed by society, we will continue to address the difficult and complex challenges facing society today, tomorrow, and well into the future. By providing products and solutions consistently responding to contemporary needs, we will confidently make steady contributions to improving the quality of people's lives everywhere.

Hideaki Omiya

Chairman of the Board

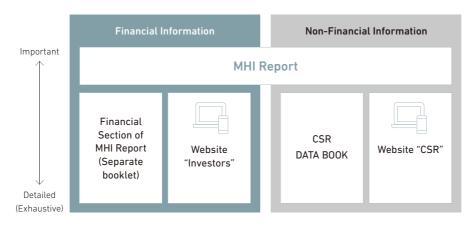




# REASON FOR PUBLISHING THIS REPORT

Keeping its principles and Corporate Identity Statement as its base, MHI Group aims to continue its development alongside the changing world by responding to the present and future issues and needs of society with a variety of technologies and services.

To enhance the understanding of our philosophy among shareholders, investors, and a host of other stakeholders, from fiscal 2013 (the fiscal year ended March 31, 2014) we have integrated financial information, including management strategy and operating performance, with non-financial information related to the Group's environmental and social activities into this MHI Report.



#### Reference Guidelines

International Integrated Reporting Council (IIRC)

• International Integrated Reporting Framework

Global Reporting Initiative

• Sustainability Reporting Standards

Ministry of Economy, Trade and Industry of Japan

- The Guidance for Integrated Corporate Disclosure and Company-Investor Dialogues for Collaborative Value Creation Ministry of the Environment of Japan
- Environmental Reporting Guidelines (2012 version)

#### Structure of Information Disclosure

MHI Report contains information that is important to understanding MHI.

More detailed information is available on our website.

https://www.mhi.com/finance

#### Previous editions of the MHI Report are available on our website.

https://www.mhi.com/finance/library/annual/











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**Cover photo for** *MHI Report 2018*An offshore wind turbine operated by MHI Vestas Offshore Wind

#### Forward-Looking Statements

Forecasts regarding future performance in these materials are based on judgments made in accordance with information available at the time this presentation was prepared. As such, these projections involve risks and insecurity. For this reason, investors are recommended not to depend solely on these projections for making investment decisions. It is possible that actual results may change significantly from these projections for a number of factors. Such factors include, but are not limited to, economic trends affecting the Company's operating environment, currency movement of the yen value to the U.S. dollar and other foreign currencies, and trends of stock markets in Japan. Also, the results projected here should not be construed in any way as being guaranteed by the Company.

# **OUR TARGET: TRIPLE ONE PROPORTION (TOP)**

MHI Group has set a management target for responding sustainably and harmoniously to the needs of stakeholders and society. We call this target "Triple One Proportion" (TOP), referring to a 1:1:1 ratio of net sales (scale of business), total assets, and market value.

The first step toward this target will be to improve the efficiency of our total assets, which currently exceed ¥5 trillion. We also aim to grow by increasing the efficiency and profitability of existing business. Additionally, we will make various investments based on shifting megatrends while maintaining financial soundness. For the time being, we will concentrate development of the MRJ and growth investments on business scale expansion opportunities that will produce immediate results, and through these initiatives, increase net sales to ¥5 trillion. To achieve a market value of ¥5 trillion, in addition to increasing business growth and profitability, we will enhance shareholder returns (dividends). Furthermore, we will meet the expectations of investors and customers by achieving steady growth over the medium-to-long term in alignment with shared social values, including ESG and SDGs.

# TOP is closely connected to the basic policies of the 2018 Medium-Term Business Plan



Embed business reforms and prioritize efficiency and quality (total assets).



Increase business scale (net sales) by implementing growth strategies.



Increase market value through business growth, increased profitability, and shareholder returns.



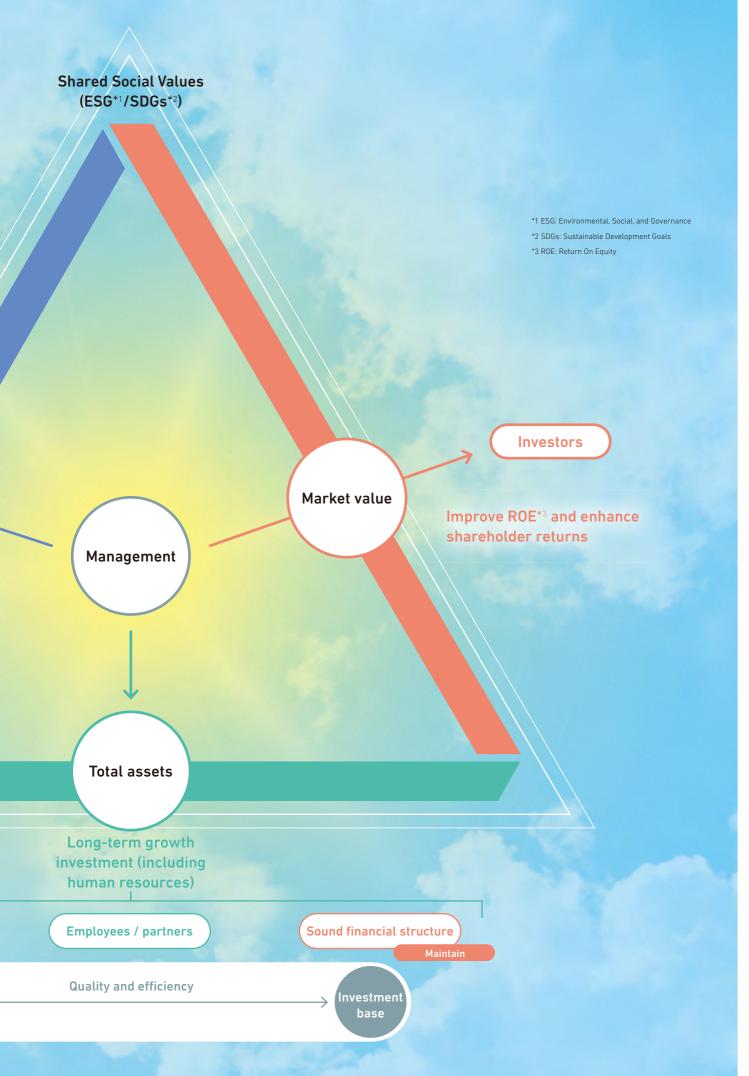
Increase corporate value stably over the long term.



Optimal portfolio

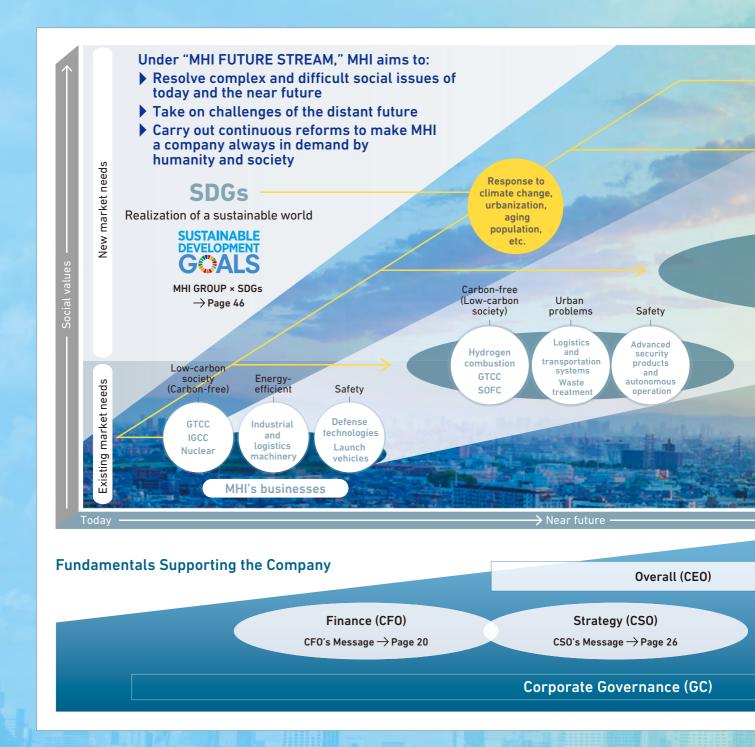
Earnings base

Shuffle / maintain



# LONG-TERM VISION: MHI FUTURE STREAM

Over the years, MHI Group has utilized its business to meet market needs for low carbon, energy conservation, and safety. However, the business environment is changing rapidly, as demonstrated by the shift from low-carbon energy to carbon-free energy and revolutionary advances in digitalization technology, such as AI and the IoT. Amid these conditions, we will need to solve complex and difficult social issues of the present and the near future. In the future that lies beyond, we will



continue to ceaselessly reform and make ongoing contributions in line with society's developments. In this manner, we will continue striving to be the entity that humankind and society wishes to exist.

To realize the objectives of this Long-Term Vision, we will strategically and organically leverage our management resources, including our technological, human, and financial (capital) resources.



Society where all human beings can live with peace of mind

# Take on challenges of the distant future

Carbon-free

Social infrastructure innovation

Co-existence, co-prosperity

Heat/electrical storage, conversion Nuclear fusion reactors

Future mobility and logistics National security systems
Space development

- Mega Scan Exploring all realms of opportunity
  Finding business opportunities in the uncertain trends
  of the future
- Shift the Path Converting existing businesses
  Responding to emergent trends
  Mulling ways to convert current businesses
- Technology Scouting Exploring for innovative technologies
  Reflecting technological trend analysis in Mega Scan
  and Shift the Path

A new set of initiatives under the 2018 Business Plan focused on MHI's future

# MHI FUTURE STREAM

Distant future

President's Message → Page 12

Technology (CTO)
Technology Strategy → Page 28

Human Resources
(Standing Executive in charge of HR)
Human Resource Strategy → Page 30

→ Page 35

# 2018 MEDIUM-TERM BUSINESS PLAN: A NEW STEP TOWARD A SUSTAINABLE GROWTH TRAJECTORY

The 2018 Medium-Term Business Plan is a three-year plan to realize MHI Group as a corporate entity that achieves global-level sustainable growth with a view to the future. The plan takes a more forward-thinking approach beyond the 2018 Medium-Term Business Plan and takes a new step toward a sustainable growth trajectory.

## 1 Achieve Global Corporate Structure

### **KEY POINTS** • Achieve a Business Scale of ¥5 Trillion

Achieve Well-balanced Management through TOP

Thanks to past initiatives, we were able to strengthen our financial foundation beyond our original targets. During the 2018 Medium-Term Business Plan we will allocate capital primarily to future growth in order to expand business scale from ¥4 trillion to ¥5 trillion. At the same time, we will aim to achieve the Triple One Proportion (TOP), which is the ideal balance of business scale, total assets, and market value at a ratio of 1:1:1.

	Net sales	Total assets	Market value	ТОР
FY2017	¥4.1	¥5.5	¥1.4	1:1.3:0.3
(actual)	Trillion	Trillion	Trillion	
FY2020	¥5.0	¥5.3	¥3.0	1:1.1:0.6
(target)	Trillion	Trillion or Less	Trillion	
Next target	¥5.0 Trillion	¥5.0 Trillion or Less	¥5.0 Trillion	1:1:1

## 2 Embed Business Structure Reforms

**KEY POINTS** • Evolve Domain System

- Strengthen and Embed Risk Management
- Strengthen Global Management and Develop Human Resources

MHI Group has conducted various business structure reforms, such as introducing the strategic business evaluation systems (SBU\*) and domain structure, and reviewing business portfolios. We have also focused on cultivating a risk management approach and developing human resources by strengthening risk analysis and management. To further promote these reforms and entrench a controlled risk-taking culture during the 2018 Medium-Term Business Plan, we will continue to enhance our global management, create an engaging corporate culture, and develop human resources. These will enable us to gain resilience against uncertainties and adaptability to change, which will become a strong foundation for sustainable growth. We will use this foundation and TOP management to build a stronger global corporate structure.

<sup>\*</sup> SBU: Strategic Business Unit

# 3 Implement Growth Strategies: MHI FUTURE STREAM

### **KEY POINTS** • Restructure the MRJ Business

- Transform the Structure of the Thermal Power Generation Business
- Reinforce the Mass and Medium Lot Manufactured Products Business

Under the 2018 Medium-Term Business Plan, we aim to create growth strategies based on our Long-Term Vision leveraging MHI FUTURE STREAM, and address two urgent tasks: to radically reinforce the structure of the MRJ business and to transform the structure of the thermal power generation business. At the same time, we would like to allocate adequate resources to the mass and medium lot manufacturing business that has been expanding its scale and profits over the past few years. We are aiming not only to expand business but also to shorten the payback period. However, the mass and medium lot manufacturing business is susceptible to market volatility. Therefore, we need to maintain an ideal balance between medium and long-term resource allocation to pursue the stable growth of the entire MHI Group.

	n Business Plan	2018 Med	lium-Term Busin	ess Plan	
(Billions of yen)	J-GAAP			IFI	RS
21	015 Business Plan 3-year average	FY2017	FY2018	FY2018	FY2020 targets
		¥111.1/\$ ¥129.9/€	¥110/\$ ¥130/€	¥110/\$ ¥130/€	¥110/\$ ¥130/€
Orders received	4,212.3	3,875.7	4,100.0	4,100.0	5,000.0° <sup>2</sup>
Net sales	4,023.9	4,110.8	4,200.0	4,200.0	<b>5,000.0</b> <sup>2</sup>
Operating income*1 (Margin)	195.5 (4.9%)	126.5 (3.1%)	175.0 (4.2%)	160.0 (3.8%)	340.0 (6.8%)
Profit attributable to owners of the parent	74.0	70.4	80.0	80.0	170.0
ROE	4.2%	3.9%	4%	<b>6%</b> *³	11%
Free cash flow	106.6	207.9	50.0	50.0	200.0
Debt/equity ratio	0.45	0.38	0.4	0.4 <sup>-3</sup>	0.4
Equity ratio	32.1%	33.3%	35%	<b>28%</b> *3	31%
Interest-bearing debt	930.2	813.1	770.0	770.0	760.0
Total assets	5,490.1	5,487.6	5,300.0	5,100.0 <sup>-3</sup>	5,300.0
Dividend per share	¥120	¥120	¥130	¥130	¥180

<sup>\*1</sup> Before Application of IFRS  $\rightarrow$  Operating income, After Application of IFRS  $\rightarrow$  Profit from business activities

<sup>\*2</sup> Including ¥400 billion in non-organic growth

<sup>\*3</sup> Reviewed total assets and shareholder equity in accordance with change in valuation method of long-term receivable assets

# MEMBERS OF THE BOARD OF DIRECTORS

As of July 1, 2018

Director, Executive Vice President, CSO,\*3 and Head of Business Strategy Office

Seiji Izumisawa

Director, Senior Executive Vice President, CFO\*2

Masanori Koguchi

President and CEO\*1

Shunichi Miyanaga

Director, Full-time Audit and Supervisory Committee Member

Hiroki Kato

Director, Full-time Audit and Supervisory Committee Member

Toshifumi Goto

- \*1 CEO: Chief Executive Officer
- \*2 CFO: Chief Financial Officer



Chairman of the Board

### Hideaki Omiya

Director

### Naoyuki Shinohara

(Former Professor, The University of Tokyo, Policy Alternatives Research Institute) Director

### Ken Kobayashi

(Chairman of the Board, Mitsubishi Corporation)

Director, Audit and Supervisory Committee Member

## Nobuo Kuroyanagi

(Senior Advisor, MUFG Bank, Ltd.)

Director, Audit and Supervisory Committee Member

## Christina Ahmadjian

(Professor, Hitotsubashi University Graduate School of Business Administration) Director, Audit and Supervisory Committee Member

#### Shinichiro Ito

(Chairman of the Board, ANA Holdings Inc.)





#### Review of the 2015 Medium-Term Business Plan:

# Reasons behind Unachieved Targets, and Results of Structure Reforms

Fiscal 2017 marked the end of our three-year Medium-Term Business Plan launched in fiscal 2015. Regrettably, the numerical targets we had set for business scale expansion and profitability enhancement went unachieved.

Our operating income worsened for two main reasons: deterioration of our business environment, particularly the thermal power systems market, and the MRJ's delayed development and increased development costs. In response we implemented a variety of measures, but improvement during the period of the 2015 Medium-Term Business Plan was rather limited. In retrospect we must recognize our shortcomings—including our inadequate resiliency to cope with these unanticipated turns of events and insufficient flexibility in planning.

Amid these adverse conditions, we did however achieve some targets and score some positive results. Through rigorous cash flow management, balance sheet improvement, and robust asset management, we continued to generate a robust free cash flow after absorbing the MRJ's development costs, the burden from the South Africa project, and outlays related to other issue-laden projects. In fiscal 2017 free cash flow reached ¥200 billion—the target we had set in our 2015 Medium-Term Business Plan. We also scored progress in reducing our interest-bearing debt and recorded a historically low debt/equity ratio of 38%, resulting in a solid financial foundation.

In addition, having learned the necessity of responses to challenges in our large-scale engineering business and new business areas, we focused on improving and reinforcing our risk management structure. The various business structure reforms we launched in earnest in our 2012 Medium-Term Business Plan, including corporate governance reforms, neared completion, clearly paving the way toward a new growth phase.

➤ For details about financial condition, please see the CFO'S MESSAGE on page 20.

➤ For details about corporate governance, please see page 35.

#### Key Business and Financial Results



# Slow business scale growth, missed operating income target

 Responded to unanticipated changes in external environment, but effect of improvement measures were limited during period of 2015 Medium-Term Business Plan
 MRJ development delays and cost increases

#### ${\tt ¥200}$ billion FCF target achieved

> Burden from the power plant project in South Africa, MRJ, etc. absorbed through CCC improvement and other measures

\* Expenditures relating to the cruise ship construction business, development of the MRJ, and the power plant project in South Africa; also, earnings accrued from asset management initiatives.

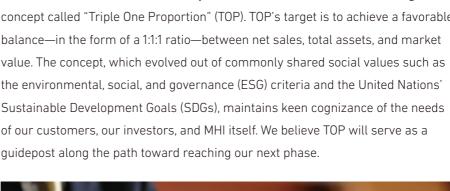
### **TOP Concept:**

# Well-balanced Management Serving the Needs of Customers, Investors, and the Company

The history of humankind has been a progression from a lengthy period as an agrarian society to the industrial society that emerged after the Industrial Revolution. Today, society is once again in the throes of vast changes, this time caused by information and communication technologies, bringing us to the threshold of a new era—a "super-smart" era referred to in Japan as "Society 5.0." Although machine-based industry, our sphere of excellence, won't lose its value going forward, the world of tomorrow will clearly see new levels of demand for information, services, and systems. Moreover, society today is advancing with everquickening speed, the environment undergoing transformations at a dizzying pace.

Starting from fiscal 2018, MHI Group is now pursuing a shift toward a more aggressive stance based on the management foundations we built up during the years of our 2015 Medium-Term Business Plan. To succeed, we will need to get a firm grasp on social changes expeditiously, and to respond continuously to the needs of both society and our stakeholders.

Toward achievement of those objectives, we have created a new management concept called "Triple One Proportion" (TOP). TOP's target is to achieve a favorable balance—in the form of a 1:1:1 ratio—between net sales, total assets, and market value. The concept, which evolved out of commonly shared social values such as the environmental, social, and governance (ESG) criteria and the United Nations' Sustainable Development Goals (SDGs), maintains keen cognizance of the needs of our customers, our investors, and MHI itself. We believe TOP will serve as a





➤ For details about TOP, please see page 4 and the CFO'S MESSAGE on page 20.

#### MHI FUTURE STREAM:

# A Continuous Flow of Reforms to Keep MHI Always Needed by Society

In order for MHI Group to remain an entity needed by society long into the future, it is vital that we provide the technologies and services required at each stage along the steady advance of society. Today, we consistently focus on projecting what society will need, what role we can play, and how we can contribute to society 10 or 20 years into the future. We ourselves must change accordingly.

To respond to evolutionary changes in society, clearly we must proactively incorporate cutting-edge technologies and expertise in areas such as IoT and Al. But at the same time, we must also pay close heed to matters including climate change, demographic trends, and shifts in industrial structure.

Earlier, in the days when Japan prospered on the strength of its steel and marine transport industries, MHI sustained growth, in tandem with Japan's economic development, by providing products and services to domestic customers. But with the rise of the emerging economies and developments in globalization, MHI's core markets shifted from Japan to other countries, thrusting MHI into a protracted period of sluggish performance.

Today, in some of our business areas—air-conditioning and refrigeration systems and turbochargers, for example—production is expanding outside Japan as the overseas markets become our main markets. Even so, we need to always give constant consideration to where society's needs are at present and how they are changing, and recalibrate our business portfolio continuously.

Recently, as a vision expressing our ongoing reform agenda toward realizing a sustainable planet, we have launched "MHI FUTURE STREAM." Like a stream whose flow never ceases, our new concept embraces a spirit of sustained self-reinvention.

MHI possesses not only a wealth of diverse machine technologies but also a plethora of related elemental technologies accumulated through the years. In order for us to provide services matching the needs of the times, these various technologies must be adeptly combined, making full use of AI, IoT, and outside knowledge, to enable innovations that will lead to new areas of business.

In continuously taking up new challenges, obviously the outcome is at times success but at other times failure. Going forward, making active use of the know-how in risk resilience that we have cultivated over the years, we will shun bold and reckless initiatives and instead pursue "controlled risk-taking" that will enable us to carry out carefully planned challenges.

With this "controlled risk-taking" in mind, by undertaking activities continuously with a spirit of entrepreneurship, I am confident that we can be reborn as an all-new type of machine manufacturer.

➤ For details about MHI FUTURE STREAM, please see page 6 and TECHNOLOGY STRATEGY on page 28.

➤ For details about business risk management, please see page 42.

#### The 2018 Medium-Term Business Plan:

## **New Step toward Sustained Growth**

Now that our agenda of business structure reforms is near completion and the various issues we confronted in recent years have been addressed, we are ready to proceed to the next phase. We see the 2018 Medium-Term Business Plan—a three-year program commencing in fiscal 2018—as the new step toward putting MHI on a sustained growth path. Under this new plan we will take the business structure reforms implemented until now and apply them throughout our Group, and also drive our growth strategies forward, based on our Long-Term Vision, toward realizing a corporate structure having growth potential and sustainability on a global level.

Our numerical targets set for fiscal  $2020^{*1}$  look for orders received and net sales of \$5 trillion, profit from business activities of \$340 billion, profit attributable to owners of the parent of \$170 billion, and ROE of 11%. We also aim for total assets of \$5.3 trillion and market value of \$3 trillion—two of our TOP indicators.

We believe that a business scale of \$5 trillion is necessary to enable a conglomerate such as MHI Group, that encompasses numerous mature product businesses, to continue making necessary investments and continuously grow, and also to pursue scale merits within the global markets.

One measure newly implemented to put MHI Group on a solid growth trajectory is the introduction from fiscal 2018 of the position of Chief Strategy Officer (CSO). Through the period of the 2015 Medium-Term Business Plan, the CFO simultaneously served as CSO, partly because highest priority was being accorded to business structure reforms and the establishment of a strong financial foundation. We took the decision to create an independent CSO as a cornerstone of growth-oriented global management, strongly determined to achieve enhanced allocation of our management resources—financing, technologies, human resources, etc.—and continuous review and recalibration of our portfolio.

Going forward, we will strive to achieve the numerical targets of our 2018 Medium-Term Business Plan by investing more resources into mass and medium lot manufactured product businesses such as forklift trucks and airconditioning & refrigeration systems—areas that are in expansionary market trends and posting robust earnings—and by forming a new business model recalibrating our business portfolio while simultaneously responding to megatrends such as climate change and digitalization.

➤ For details about the 2018 Medium Term Business Plan, please see page 8.

\*1 From fiscal 2018 we apply International Financial Reporting Standards (IFRS).

➤ Please see the CSO'S MESSAGE on page 26.



### Two Businesses Hold the Key:

# Radical MRJ Reinforcement and Structural Conversion of Thermal Power Systems Business

Within the 2018 Medium-Term Business Plan, two businesses will play especially critical roles: the MRJ and thermal power systems.

The MRJ business was placed under direct oversight by the CEO starting in fiscal 2016, and since that time the project has progressed according to schedule toward delivery of the first MRJ90—a 90-seat passenger jet—in fiscal 2020. One major hurdle that must be overcome is acquisition of type certification, i.e. safety authorization, and remaining issues and their solutions have now been clarified, making the outlook clearer than ever before. Going forward, development will continue to be accelerated and the MRJ business structure will be radically reinforced, including increasing the capitalization of Mitsubishi Aircraft Corporation, the entity in charge of the MRJ's development. Through restructuring to a business that can endure a prolonged development period—for example, by strengthening sales and customer support structures, shifting to full-scale development of the MRJ70, and reinforcing links with the commercial aircraft (Tier 1) business—our intention is to develop the MRJ business into a major pillar of our operations in the years ahead.

The thermal power systems business, sustained by a substantial order backlog, will continue to operate at full throttle through fiscal 2020. During that period we will continue to pursue enhanced profitability through efficient work performance, plant reorganization, reallocation of staff, and expansion of servicing operations. Simultaneously we will also focus on converting the business structure with a view toward the years beyond fiscal 2020. Through the years MHI, as a global frontrunner in the industry, has already made ongoing contributions to reducing environmental burdens by improving thermal power generation efficiency, developing CO<sub>2</sub> recovery systems, etc. Going forward, in line with changing social needs—for example, the shift from fossil fuels to renewable energies and increased adoption of distributed power sources—we will build a new business model incorporating digitalization.

### Reinforcement of Our Management Base:

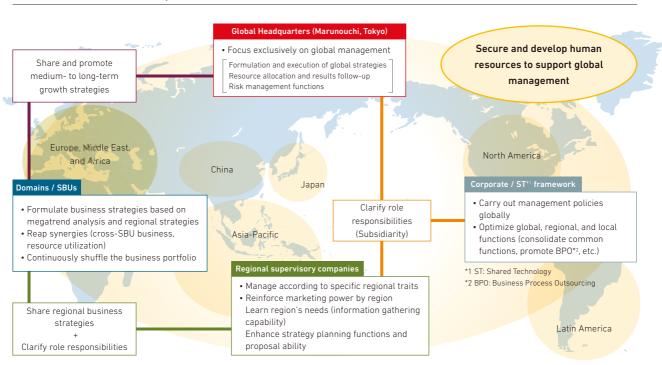
#### Culture and Mechanisms for Global Growth

In order for MHI to get on a growth trajectory, most important will be to take our attention to cash flow management and our fixed focus on earnings—outgrowths of the reforms we have carried out to date—and embed them into the deepest corners of all MHI Group companies both at home and abroad, thereby forming a new corporate culture. It may take some time, but it is imperative that we share this awareness and develop a corporate culture in which we can take up new challenges with confidence.

In terms of corporate structure, on the occasion of relocating to Tokyo's Marunouchi district in January 2019 we will establish a new global headquarters, marking the launch of a full-fledged global management structure. Already overseas sales account for more than half our annual net sales, and in the coming years the percentage is expected to increase further, making global response capability indispensable. The global headquarters will take charge of formulating all Company strategies and allocating management resources. Meanwhile the business segments/SBUs\*2 and regional headquarters will implement management and strategies suited to the traits of their respective regions. In these ways, we will pursue robust growth while maintaining a good balance between global and local needs.

\*2 SBU: Strategic Business Unit

#### Reinforcement of Global Operations



Additionally, we believe that developing and making excellent use of human resources to perform global management will also be of extreme importance. In this regard we will carry out various measures that will contribute to sustained growth: for example, developing human resources based on a medium- to long-term perspective, and appointing officers from a younger generation.

In 2004 MHI became a signatory to the UN Global Compact. In addition to carrying out its Ten Principles on human rights, labor, the environment, and prevention of corruption, in 2015 we formulated the "MHI Group Global Code of Conduct" indicating rules of behavior for all MHI Group employees to follow. Going forward, we will continue to conduct our business activities with sincerity and high ethical standards appropriate to a global company.

#### ➤ For details about compliance, please see page 45.

> For details about human resource

strategy, please see page 30.

#### To Our Stakeholders:

## We Will Strive to Fully Explain Our Growth Process

To achieve TOP, the area requiring improvement most is our market value. Up to now we have used considerable time to respond to various challenges, but now that resolution of these issues is in sight, my determination is to win awareness by all our stakeholders that we have now entered a growth trajectory.

Of course, registering solid results is imperative. But at the same time, I hope to win the market's trust by fully and promptly explaining, to a degree never seen before, the situation we are in and the results we achieve.

As all members of MHI Group continue to reinvent themselves and strive toward their goals, I am confident we can become the entity we seek to be.

I humbly ask all our stakeholders to keep a close eye on MHI as we mark solid growth in the years ahead.



# CFO'S MESSAGE



# Stronger Financial Foundations through Focused Cash Flow Management

For many years MHI Group evaluated its operating status using the financial measures of orders received, net sales, and income. All those measures were indications of results, however, and they proved insufficient for detecting management issues or contributing to activities to enhance our corporate value. The outcome was entrenched stagnation of our business scale, sluggish income levels, and a severe financial situation.

As opposed to focusing on results, I believe we need to monitor free cash flow and quality of orders received—profit potential at the time of order receipt—as effective leading indicators. Particularly in the case of MHI, we know that free cash flow has a close correlation with our income levels two to three years into the future. Furthermore, free cash flow indicates the overall state not only of our profit/loss statements but simultaneously also of our balance sheets, and for that reason I think free cash flow is the management index most appropriate for evaluating our balance sheets—an area we previously paid relatively less attention to.

Reflecting these changes in perspective, starting around 2010 we made a significant shift toward management focused on cash flows.

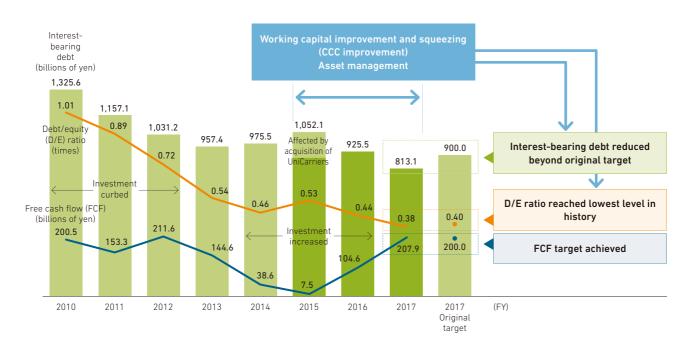
Cash flow has two constituent components: one derived from income and the other generated from the balance sheets. Whereas the former is vulnerable to outside factors, the latter can be generated without external input.

At the time of the financial crisis of 2008, I was serving as Senior General Manager of what was then the Finance Department, and I was gripped by the fear that we might run out of cash. From that experience I began speaking out on the importance of cash flow throughout the Company: to people in sales and procurement, in engineering, on the factory floor, everywhere. After that, our measures of working capital\* and cash conversion cycle improved markedly, and I think cash flow management has now taken firm root as our corporate culture. Improving cash flow not only increases the amount of freely available capital, it also facilitates investments and boosts risk resilience. Perhaps more significantly, as an abundant cash flow enables improvements in production efficiency and business terms, it also leads to greater business competitiveness.

Our shift to management focused on cash flow, together with various initiatives implemented starting with our 2012 Medium-Term Business Plan, enabled us to generate huge cash flows from fiscal 2010 onward. This abundant cash has funded appropriate cyclical investment into existing businesses, entirely met what are in a sense our "non-cyclical" capital needs—MRJ development costs, losses suffered in our cruise ship construction business, and construction costs relating to the South Africa project, for example—and also enabled us to reduce our interest-bearing debt. Dealing with these numerous issues, achieving financial soundness, and building up new cash reserves for tomorrow's growth qualifies as a major accomplishment.

- \* Working capital
- = Trade receivables
- + Inventories
- Trade payables
- Advanced payment received on contracts (on a Companywide basis)

#### **Key Financial Results**



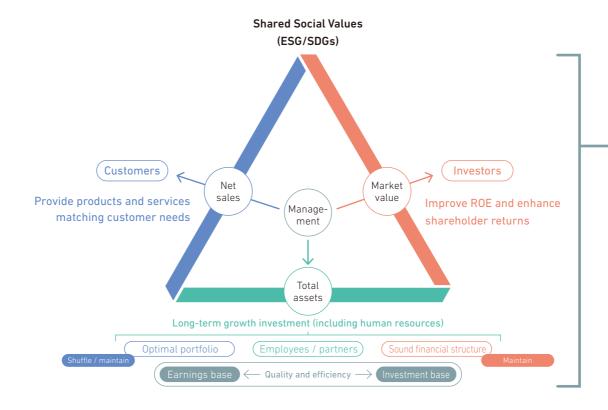
## TOP (Triple One Proportion) Concept

In the 2018 Medium-Term Business Plan launched this fiscal year, we adopted a comprehensive new key performance indicator (KPI) of our own invention to measure the operating status of MHI Group as a manufacturer. Known as "Triple One Proportion" (TOP), the concept's ideal is an equal balance—1:1:1—among three management factors: net sales (business scale), total assets, and market value.

The underlying basis of TOP is our balance sheets (total assets). The fundamental role of corporate management, I believe, is to strive to maximize output—business scale, corporate value, etc.—through skillful use of the balance sheets. In order to provide ever-better products and services, we require advanced technologies, the newest production facilities, an expansive sales network, and an efficient after-sale servicing structure, and these are all projected in the balance sheets.

The second constituent component of TOP, net sales (business scale), indicates how many business opportunities were created by the balance sheets and whether success was achieved in providing products to customers through market competition. By comparing business scale and the scale of the balance sheets, judgment can be rendered as to whether or not the balance sheets are efficiently generating business scale.

Regarding TOP's third component, market value, this is determined by a variety of factors. I believe the factor pulling the greatest weight is the steady income level generated through corporate activities.



Stated simply, if, for example, a net profit margin of 6% can be achieved with a business scale of 45 trillion, then profit attributable to owners of the parent is 4300 billion. If MHI Group's capital cost ratio is 6%, then market value is 45 trillion divided by the 4% capital cost of 4300 billion in profit attributable to owners of the parent (4% x16.7).

Viewing the three constituent components of TOP from a different angle, one can also say that balance sheets indicate efficiency and quality from management's perspective, business scale is indicative of satisfaction from the customers' perspective, and market value is corporate value from the investors' perspective. In short, when TOP is achieved, favorable levels of satisfaction are achieved from the respective viewpoints of management, customers, and investors.

At the end of fiscal 2017 MHI Group had net sales of ¥4.1 trillion, balance sheets in the amount of ¥5.5 trillion, and market value of ¥1.4 trillion. In the context of TOP, the balance sheets are thus generating about ¥1.4 trillion below target in business scale and market value is short by roughly ¥4.1 trillion. In order for these situations to improve and MHI Group to increase its value continuously, a suitable cash flow and sustained business scale to guarantee that flow are indispensable. Stated another way, if we continue to provide products of high quality and services that meet social needs, then MHI Group will be able to achieve a suitable cash flow to drive its growth and continuously raise its corporate value. Maintaining a balance between business and finances and seeking to maximize corporate value within this framework are the crucial points of our financial strategies in the 2018 Medium-Term Business Plan and onward.

#### Prioritize efficiency and quality



Balance of maintaining sound financial base and growth investment over the medium term



### Seek long-term and stable improvement in corporate value



# Financial Strategies in the 2018 Medium-Term Business Plan

During the three years of the 2018 Medium-Term Business Plan, we are placing greater weight on "dynamic" capital allocation, including quick-impact growth investments, based on the financial foundations formed under preceding Business Plans and our newly earned cash flow.

Over the next several years we plan to invest an additional ¥200 billion into the MRJ project in the run-up to delivery of the first aircraft, currently scheduled for fiscal 2020; the end of the aircraft's development phase is now in sight. Construction work on the issue-laden thermal power plant project in South Africa is also thought to have peaked. In view of these improving situations, in the three years starting fiscal 2018 we plan to make dynamic investments totaling ¥960 billion, mainly directed into new businesses.

Among MHI Group's various businesses, those that account for 70% of total net sales have already achieved TOP, and their earning capacity is stable. Going forward, we seek to improve cash flow generating capacity and earning capacity by further strengthening these businesses and steadily addressing challenging businesses that require more attention.

Our interest-bearing debt meanwhile is sufficiently low, and therefore rather than reducing debt, we aim to increase our shareholder returns. In fiscal 2018 we are planning to increase our dividend per share by \$10, to \$130, and in fiscal 2020 we hope to target \$180.

# Regular operating CF during period 2018 Medium-Term Business Plan

CF income (profit attributable to owners of the parent + depreciation costs)

the parent + depreciation costs)

#1,310 billion

BS improvement + asset management

#10 billion<sup>-2</sup>

Total ¥1,320 billion

#### Actual results during 2015 Medium-Term Business Plan

CF income ¥1,000 billion BS improvement ¥500 billion Asset management ¥260 billion

Total ¥1,760 billion

#### Dynamic allocation Allocation to maintain status quo Shareholder returns ¥960 billion ¥170 billion ¥190 billion Risk New businesses Capital investment Investment Capital investment Reduction Dividends New projects and productivity and lending facility response in interestincluding dividends MRI improvement replacement bearing debt to non-controlling shareholders ¥580 billion ¥240 billion ¥140 billion ¥160 billion ¥50 billion -¥40 billion ¥190 billion \*3 ¥50 billion

 $<sup>^{\</sup>ast}1$  Not including MRJ and the power plant project in South Africa

<sup>\*2</sup> BS improvement during 2015 Medium-Term Business Plan. Working capital to remain at current level during 2018 Medium-Term Business Plan despite the increase in business scale

<sup>\*3</sup> Includes appropriation (¥90 billion) of CF (cash in hand) acquired ahead of schedule in fiscal 2017 to reduce interest-bearing debt



## To Our Shareholders and Investors

Among our shareholders and investors, some may be of the opinion that given the relative maturity of many of our businesses, MHI Group is retaining an excessive level of capital. However, a relatively flush amount of capital is necessary until we complete development of the MRJ and get the MRJ business, a major pillar of our future growth, on track. That said, our overriding aspiration is, to the extent possible, to simultaneously undertake MRJ investments and provide solid shareholder returns. As a standard measure, MHI Group has set a payout ratio of 30%—a figure that excludes impact from the MRJ. (When MRJ investment is factored in, the ratio is slightly higher.)

For MHI Group to achieve sustained growth, we have to create businesses that will become new pillars of strength 20 to 30 years into the future. In retrospect we have confronted a variety of difficulties through the years, but none-theless our dividends have steadily increased—a manifestation of the steady improvement of our management capabilities.

At the same time, though, a gap still remains between our current market value and the level we aspire to. Achieving TOP is the path toward bridging that gap, and we will devise an array of management measures toward reaching that goal. Through robust dialogue with the market, we will continue to convey precisely what MHI Group is doing as we set out toward our next growth phase.

#### Dividend per share



# CSO'S MESSAGE



### Roles of the CSO

Starting in fiscal 2018, MHI Group has taken a new step in its quest to enter a sustained growth trajectory toward becoming a conglomerate with global levels of continuity and growth potential. This year, to vigorously advance growth-oriented Group management, the office of Chief Strategy Officer (CSO) was newly instituted. The duties of the CSO are to determine how to allocate and utilize Groupwide management resources, and then to play a leading role in propelling the strategies, taking market trends and social needs into consideration. In short, my core duties are to devise growth strategies and to promote globalized management.

# **Growth Strategies for Tomorrow**

At MHI Group today, growth strategies encompass two types of initiatives: initiatives toward achieving the targets of the 2018 Medium-Term Business Plan, and initiatives taken from a medium- to long-term perspective considering the subsequent Business Plan.

With regard to the former, as CSO I closely monitor the progress being achieved toward the targets set for each SBU, confirm whether the resources needed to compete globally are being properly allocated as planned, and when necessary I promptly prepare any additional measures that are needed. In that respect, coordination with the other Chief Officers—the CFO and CTO, for example—is vital, so I communicate with them closely on a regular basis.

Regarding our longer-range initiatives, as we have set out in "MHI FUTURE STREAM," our focus is on developing and creating new technologies, new products, and new business models that respond to current and future social challenges.

Previously, MHI Group tended to first develop technologies and then apply them in its business operations, or we made products we ourselves thought were good and supplied them to our customers. Then starting around 10 years ago, top management began striving to change such tendencies. What I aim to do now as CSO is consider what social challenges currently exist, decide into which areas we should invest our resources, and in what amounts, in order to solve those social issues, and then develop growth strategies that further integrate our technologies and our various businesses. Then, based on those growth strategies, I will continuously review and recalibrate our business portfolio.

## MHI-style Global Management

In recent years, in tandem with ongoing globalization, MHI Group is increasingly establishing new Group companies individually capable of more nimble and flexible business operations. As a Group that undertakes myriad operations worldwide, with employees from backgrounds of remarkable diversity, we will pursue local management attuned to each specific location. Meanwhile, we will simultaneously strive to enhance the cohesive strength of MHI Group as a whole, in order to avail ourselves fully of the advantages we possess as a conglomerate.

Our pursuit will focus not on the Japanese-style management of the past, nor on a copy of Western-style management. Ours will be a global management style unique to MHI.

At the same time, we have aspects of our corporate culture that we want to pass on to future generations. I believe MHI should be a Group that provides safety, peace of mind, and comfort to people all around the world. Our insistence on delivering ever-better products to the customer that they can use with peace of mind—better not just in terms of *monozukuri*, the traditional concept of Japanese craftsmanship, but also with respect to *kotozukuri*, loosely translatable as value creation—and our professionalism are things we do not want to change.

I also believe that we can improve ourselves by providing new solutions and resolving issues faced by the customer through combinations of our products and services. To that end, collaboration between Group companies and crossing segment boundaries are indispensable. As an example, a variety of approaches can be taken toward today's low-carbon and carbon-free trends, such as integrating products that promote greater power generation efficiency, systems for recovering CO<sub>2</sub>, and products that use hydrogen fuel. What I aim for is to nurture a corporate culture in which, before the customer even voices a demand, we proactively propose solutions of high added value that make optimal use of the broad spectrum of our business areas.

# TECHNOLOGY STRATEGY



\* The Shared Technology Framework encompasses the Technology Strategy Office, Research & Innovation Center, ICT Solution Headquarters, Value Chain Headquarters, and Marketing & Innovation Headquarters.

## Realization of Conglomerate Synergies

Under our "Shared Technology Framework,"\* MHI Group is striving to strengthen its technological and marketing infrastructures, optimize the value chain across the Group (including procurement), and reinforce the competitiveness of its businesses in the medium-to-long term. MHI Group handles a greater variety of products than its competitors, and in order to turn this product diversity into competitiveness, we are promoting Groupwide technology and knowledge sharing in product development. Applying cutting-edge technology from gas turbine development to numerous other products such as compressors, centrifugal chillers, and turbochargers is one example of what we are doing to realize conglomerate synergies by technology and knowledge sharing.

### Promotion of MHI FUTURE STREAM

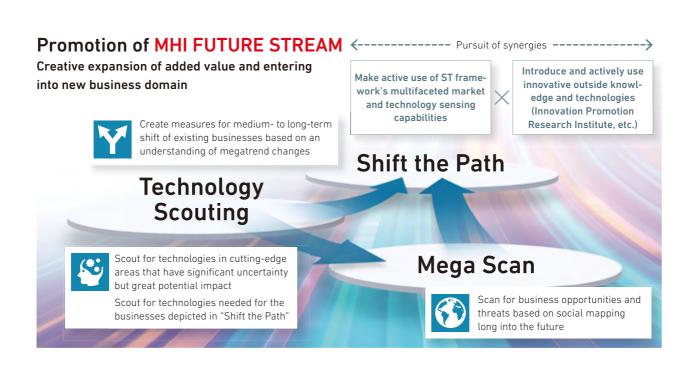
Today's business environment surrounding MHI Group is both complex and uncertain owing to changes in social needs arising from climate change, urbanization, population aging, and other serious issues. In the energy field, for example, as the supply/consumption structure changes, use of renewable energies will expand and consumers will increasingly adopt electricity over other energy sources. Accordingly, MHI Group today is required to achieve continuous growth while responding to society's evolving needs with agility and flexibility, and simultaneously contributing to realization of a sustainable planet. To achieve those multiple aims, MHI Group is now implementing a program known as "MHI FUTURE STREAM."

Under this program, we are scanning for both new business opportunities and potential business threats based on social mapping long into the future, to enable us to create measures for medium- to long-term shifts of our existing businesses. Specifically, we will pursue innovations in mobility and logistics, a clean recycling-oriented society, robotics, and other areas that will enable the achievement of a low-carbon and then carbon-free society, and resolve urban problems. To realize these shifts, today we are scouting for and investing in cutting-edge technology in a quest for new products, services and businesses. In implementing MHI FUTURE STREAM, we will make active use of the Shared Technology Framework's multifaceted market and technology sensing capabilities, and also pursue synergies by introducing and actively using innovative outside knowledge and technology through open innovation together with Innovation Accelerator LLC, established in April 2018, and centers of excellence.

#### **Active Use of Al**

Today MHI Group is actively applying artificial intelligence (AI) technology to diverse products and production facilities. Areas of application include work navigation systems, operation monitoring, malfunction detection and diagnosis, operation optimization, product inspection, automated welding, and scheduling.

In areas relating to business processes, we have begun applying a "contract risk reduction system" jointly developed with IBM to actual projects, as a way of enhancing our risk management. Furthermore, we are also applying AI to design work and to analysis of big data such as information on our business partners and expenditures, as a way of making our procurement operations more advanced and efficient. We will continue focusing on these initiatives going forward.



# **HUMAN RESOURCE STRATEGY**

Our goal is to be a flexible and diverse global company where all members can work with confidence.

#### Hideaki Yanai

Executive Vice President, Standing Executive in charge of HR, and Human Resources & Labor Relations Department Manager



In our 2018 Medium-Term Business Plan announced in May 2018, we established two core HR-related strategies. Going forward, we aim to cultivate a vibrant and diverse corporate culture and to develop the human resources needed to drive sustained growth into the future.

# Promoting Group Members' Engagement and Enhancement of Organizational Strength

As the driving force that will enable our sustained growth and development, MHI must become a company where the diverse people who support our Group activities all work with confidence, and to achieve that goal we will focus on promoting Group member engagement and enhancing our organizational strength. Specifically, we will concentrate on 1) internal sharing of strategies, visions, and goals, 2) reform of work practices, including more flexible delegation of authority (subsidiarity), review of rules, and improvement of work processes and content, and 3) review of our HR systems and their operation. Making active use of employee awareness surveys, we will implement these measures throughout the Company on a continuous basis.

In conjunction with our pursuit of greater diversity in management, today we are vigorously promoting active participation by female employees. In July 2014 we set a target of expanding our ranks of women in management positions—i.e. Section Manager and higher—threefold by 2020. We are focusing on four areas: 1) expansion of the total number of female employees, 2) support of female employees who are raising children or caring for relatives by introducing mechanisms to enable them to continue their career, 3) planned development of female managers, and 4) nurturing of an open and diverse corporate culture. In pursuit of flexible workstyles that will

enable employees who have given birth or who are raising children to return to their jobs as early as feasible, we are enhancing our systems enabling shorter work hours or telecommuting. We are also creating an environment and mechanisms that will enable female employees to advance further in their career, through informal gatherings of employees on leave for childrearing, seminars on providing nursing care, and training programs starting with young employees.

# Acquisition and Retention of Global and Regional Managerial Talent

To achieve sustainable business development well into the future, MHI is pursuing the establishment of a flexible and diverse global management system. In order to continuously produce and secure global and regional managerial talent at every level to serve as the driving force of our corporate growth, HR will accelerate the following initiatives in carrying out the 2018 Medium-Term Business Plan:

- ✓ Redefine criteria such as experience, qualifications, etc. required in management positions
- ✓ For Section Manager and higher, select candidates for future executive positions under a new framework based on the redefined requirements cited above
- ✓ For the candidates selected above, introduce a development process focused on younger employees that will provide them the experience needed as executives and enable them to proceed along the evaluation cycle

Going forward, we will also take steps to achieve earlier appointments and expand diversity in officers and executives, striving to produce and thereby ensure managerial talent in various ways; for example, by creating and applying more flexible compensation systems with incentives suited to global management and global mobility policies affecting international assignments.

In addition, as a cross-regional measure, we are now implementing a development program targeted at expanding horizons through acquisition of management literacy and HR exchanges with other regions. Under this program, outstanding middle managers recommended from Japan, the Americas, Europe, and Asia gather together in India. The program is effective in energizing our Group members from every region and nurturing a sense of unity among them.

Furthermore, to secure outstanding human resources irrespective of nationality, we are implementing the following measures making use of the special traits of each region:

- ✓ U.S. / Europe: Acquisition of superior personnel through introduction of talent acquisition platforms and active use of social media
- ✓ Asia: Reinforcement of HR development functions through provision of development programs common to the Asia region

Through these measures, we are seeking to promote active use of diverse human resources as never before, hopeful that doing so will lead to a stronger global management system.

# SPECIAL FEATURE: ROUNDTABLE DISCUSSION BETWEEN OUTSIDE DIRECTOR AND EMPLOYEES

# NO CHANGE, NO GROWTH

MHI is globalizing its management and operations. What are the goals from managerial perspectives? What changes are occurring and what challenges do we have in the workplace? Here we will share a discussion in English between Prof. Ahmadjian (outside director, member of the Board, Audit and Supervisory Committee member) and five members of the Global Finance & Accounting Department.



### Mikiyo Itaoka

Finance Group, Global Finance & Accounting Department

#### Christina Ahmadjian

Outside Director and Audit and Supervisory Committee Member

#### Stefanie Jagoda-Schauwecker

Finance Group, Global Finance & Accounting Department

#### Yoshio Nakayama

Senior Vice President and Senior General Manager, Global Finance & Accounting Department

#### Tadashi Arakawa

Group Manager, Finance Group, Global Finance & Accounting Department

#### Kimiyo Hirowatari

Finance Group, Global Finance & Accounting Department

Titles and organization names are as of the date of the roundtable discussion in September 2017.

# Globalization is not a goal, but a method

**Ahmadjian:** To my mind, a finance department is a group of relatively homogeneous specialists, but the people gathered here today seem to have followed a variety of career paths. What do you think are some of the benefits of having such diversity in the workplace?

**Arakawa:** We have been working to make our operations more visible and more global. Explaining to people with different career paths how to go about their

roles and operational responsibilities in the Global Finance & Accounting Department has made our operations more visible. We have begun using English for internal communications since Ms. Jagoda-Schauwecker joined our team. In that sense, communication has become smoother in the video and telephone conferences we hold with finance subsidiaries around the world.

**Nakayama:** I agree. It has allowed the Global Finance & Accounting Department to embrace a new form of communication and begin new activities like the global workshop with finance staff members from around the world.

**Hirowatari:** Another big benefit is that it gives employees a higher level of confidence through interactions with overseas members. It also offers various ideas, which broadens our perspectives.

Jagoda-Schauwecker: When I joined MHI, I encountered new situations almost every day, some of which were challenging. It is not always easy to decide whether differences, for example in working style, are based on the uniqueness of Japanese culture, MHI's culture, or the working culture within my team. In this way, I learn new things every day.

**Arakawa:** With foreign or mid-career members in the team, it is important that everything is explained clearly and precisely to ensure they are on the same page. While this may seem to be just additional work, it can actually give you a more comprehensive understanding of all your operations, including the tasks you might usually overlook, which then leads to reducing unnecessary errands and making for more efficient operations overall.

**Nakayama:** Exactly. I believe it ultimately fosters a significant competitive edge for the Company. Globalization is not our end goal; rather it is just one method of growth.

# We are only at the beginning

**Ahmadjian:** What are your opinions on the current state of globalization in MHI Group?

**Arakawa:** Well, although the Company has been promoting globalization, we still have a long way to go. Currently, the flow of human resources tends to be one-way; we have many Japanese employees working overseas, but not many foreign employees working in Japan. We need to put more emphasis on making this a mutual exchange.

**Nakayama:** Many Japanese employees who are currently working overseas may find it difficult to fit back into our conservative corporate culture when they return. Situations like this make it difficult for companies and people to grow. I believe we must create a workplace where everyone can make full use of their skills and capabilities.

**Hirowatari:** Career advancement for women is another important step in promoting globalization. When I joined MHI, I was surprised at how few women were in the Company, and how few opportunities there were for women to voice their opinions during meetings. Creating a culture that embraces a greater diversity

of opinions would allow more female employees to actively develop their careers. **Itaoka:** By the way, Professor Ahmadjian, you are the only female director, right? **Ahmadjian:** That's right. The other day I was showing my daughter the page with pictures of all the directors and executive officers in MHI Group. She said she was able to pick out my photo immediately, as I was the only woman among the 100 or so on the page. I thought she picked up on a good point regarding the reality of MHI Group.

**Nakayama:** Indeed, we should embrace diversity in management, as well. **Ahmadjian:** Yes, but don't forget about the more positive and encouraging aspects. MHI Group is promoting globalization and diversity management throughout the organization, and this is only the beginning. What matters most is that we continue to move forward with globalization.

**Jagoda-Schauwecker:** I agree. Becoming more global prompts major changes in the environment around us. This has certainly been the case for me. I faced many obstacles at first. Sometimes we may not be sure where to turn, but beyond this change lies growth.

## We need to be good cross-cultural communicators

**Itaoka:** When most Japanese people hear the word "globalization," we tend to associate it with the ability to speak English. While there is indeed a language barrier, it is imperative that we remind and motivate ourselves to keep trying to make a change.

**Hirowatari:** English capabilities are of course important, but so are abilities to understand different cultures and perspectives. For example, in Japan we often separate employees into "new graduates" and "mid-career hires." In other countries, by contrast, changing careers is common, and even diversity within one's career is considered to be important, I understand.

**Jagoda-Schauwecker:** Another example is the difference in how countries and cultures think of the word "meeting." In Japan, the word has the context of confirmation or checking, whereas in some countries meetings are considered places for discussion and problem solving.

**Nakayama:** In other words, rather than being good English speakers, we need to focus on being good cross-cultural communicators.

**Ahmadjian:** The first step toward making this change in ourselves is to accept differences. As good cross-cultural communicators, let's turn MHI Group into a strong group. We know it can be done.



# **CORPORATE GOVERNANCE**

We are taking all stakeholders into consideration and working to enhance corporate governance on an ongoing basis.

#### Mutsuo Hiroe

Executive Vice President, GC\*



# **Basic Approach**

As a company responsible for developing the infrastructure that forms the foundation of society, MHI's basic policy is to execute management in consideration of all stakeholders and strive to enhance corporate governance on an ongoing basis in pursuit of sustained growth of MHI Group and improvement of its corporate value in the medium and long terms. In accordance with this basic policy, MHI endeavors to improve its management system, such as by enhancing its management oversight function through the separation of management oversight and execution and the inclusion of outside directors, and develop global management, focusing on the improvement of the soundness and transparency of its management as well as on diversity and harmony.

\* GC: General Counsel

## **Recent Corporate Governance Reforms**







Organization or

FY	Details	
2005	<ul> <li>Shortened the term of office for directors from two years to one</li> <li>Increased the number of outside directors from one to two and outside statutory auditors from two to three</li> <li>Reduced the number of directors from 28 to 17</li> <li>Introduced an executive officer system</li> </ul>	8
2006	<ul> <li>Abolished the system of director retirement allowances and bonuses, switching to a system of monthly remuneration and performance-linked remuneration</li> <li>Introduced a stock option system for directors, except outside directors</li> </ul>	¥
2007	• Increased the number of outside directors from two to three	8
2011	• Integrated a matrix structure of Business Headquarters and Works into the Business Headquarters Structure	
2013	• Consolidated and restructured the nine Business Headquarters, transitioning to the Business Domain Structure	
2014	<ul> <li>Introduced the Chief Officer System</li> <li>Reduced the number of representative directors from 12 to six</li> <li>Decreased the number of directors from 17 to 12</li> </ul>	8
2015	<ul> <li>Transitioned to a Company with an Audit and Supervisory Committee (set the ratio of outside directors to more than one-third)</li> <li>Abolished stock options and introduced a new stock remuneration system for directors and executive officers</li> <li>Formulated the Corporate Governance Guidelines of Mitsubishi Heavy Industries, Ltd.</li> </ul>	840
2016	<ul> <li>Established the Nomination and Remuneration Meeting</li> <li>Reduced the number of directors to 11 (with the number of outside directors remaining constant at five)</li> <li>Conducted Board evaluation of Board of Directors effectiveness</li> </ul>	8
2017	Restructured into three business domains	

35

# **Corporate Governance Structure and Roles (Including Internal Control Systems)**

MHI has adopted the form of a Company with an Audit and Supervisory Committee as its corporate structure under the Companies Act. Our corporate governance structure, which includes internal control systems, is as follows.

#### 1 Directors (Board of Directors)

Of the Company's 11 directors (of whom five are Audit and Supervisory Committee members), five (of whom three are Audit and Supervisory Committee members) are elected from outside the Company. In addition, in accordance with a resolution by the Board of Directors based on the Company's Articles of Incorporation, the Company delegates decisions on the execution of important operations to the president and CEO. This approach enables swifter decision making and enhances the flexibility of business execution while also strengthening the Board of Directors' oversight of business execution.

#### 2 Audit and Supervisory Committee

To ensure the effectiveness of the Audit and Supervisory Committee's activities, the Company's Articles of Incorporation stipulate the selection of full-time members of the Audit and Supervisory Committee.

Accordingly, two full-time members of the Audit and Supervisory Committee are mutually selected by the committee's members.

The full-time members of the Audit and Supervisory Committee attend meetings of the Executive Committee and other key meetings related to business planning, enabling them to accurately assess and monitor the status of management in a timely manner. As part of the audit, Audit and Supervisory Committee members make sure the execution of directors' duties complies with laws and regulations and the Articles of Incorporation and ascertain whether or not business operations of the Company are being executed appropriately by conducting spot checks and verifying compliance with relevant laws and regulations, and by monitoring the status of the establishment and operation of internal control systems, including those in relation to financial reporting.

The Audit and Supervisory Committee periodically exchanges information and opinions with the Management Audit Department and accounting

auditors, and it collaborates closely with them in other ways, including receiving audit results and attending accounting audits. Audit and Supervisory Committee members also receive reports from the internal control department and other departments concerning the status of compliance, risk management, and other activities on both a regular and an individual basis. To support auditing activities, an Audit and Supervisory Committee's Office has been set up with its own dedicated staff of five to facilitate the work carried out by the Audit and Supervisory Committee.

# 3 Chief Officers and Standing Executives in Charge of Operations

The CEO\*1 takes charge of overall business operations, and the domain CEOs take control of executing businesses within their individual domains based on overall Group strategies. The CSO\*2 is in charge of the planning of all business strategies and the CFO\*3 takes charge of finance, accounting, and management planning. The CTO\*4 is in charge of the supervision and execution of overall operations related to technology strategies, research and development of products and new technologies, ICT, value chain, marketing, innovation, and engineering in general. In addition, the CSO, CFO, and CTO have Companywide authority to give instructions and commands and provide support to business domains. The GC and standing executive in charge of HR\*5 assist the CEO with his duties by supervising and executing activities in line with the CEO's mission. The GC takes overall control of management audits, general administration, legal affairs, and global base support. The standing executive in charge of HR takes overall

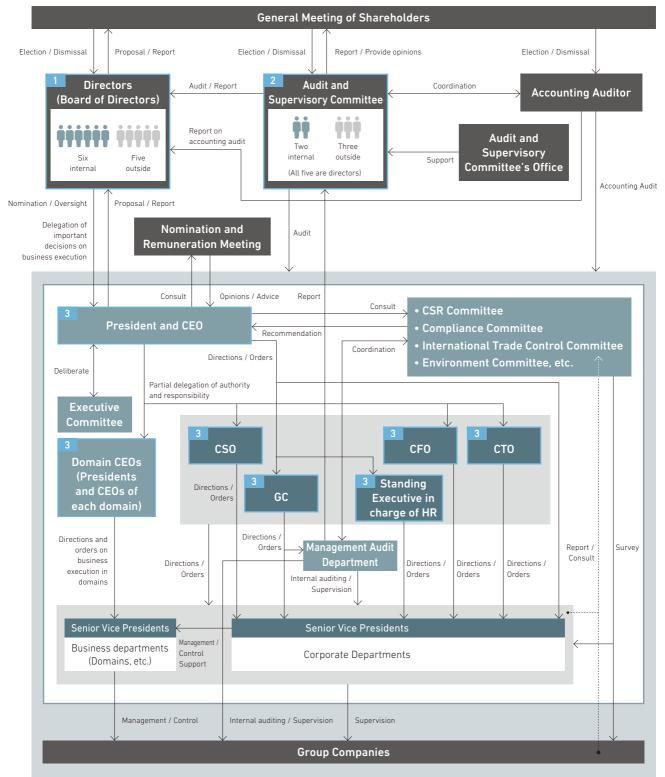
<sup>\*1</sup> CEO: Chief Executive Officer

<sup>\*2</sup> CSO: Chief Strategy Officer

<sup>\*3</sup> CFO: Chief Financial Officer

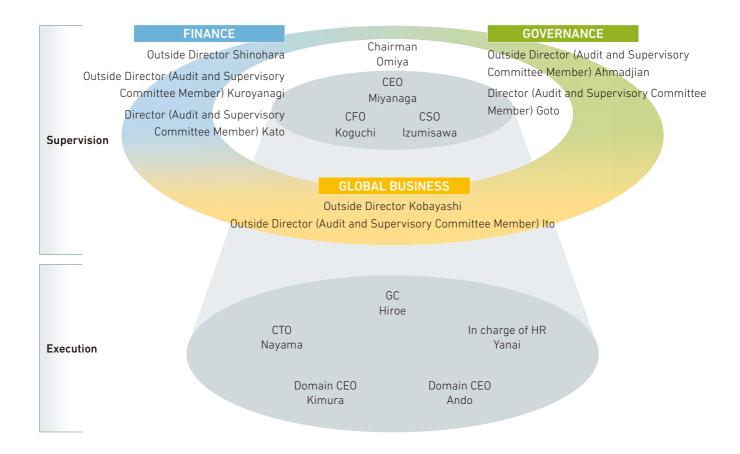
<sup>\*4</sup> CTO: Chief Technology Officer

<sup>\*5</sup> HR: Human Resources

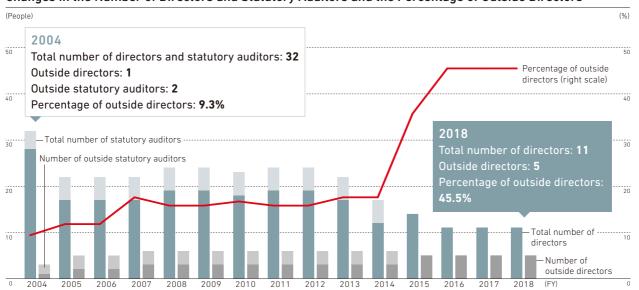


# **Board of Directors Structure (Supervision and Execution)**

The Board of Directors comprises members with a variety of backgrounds, ensuring a balanced structure with which to supervise people handling business execution.



# Changes in the Number of Directors and Statutory Auditors and the Percentage of Outside Directors



# **Outside Directors**

The Company has five outside directors (of whom three are Audit and Supervisory Committee members). Outside directors are expected to enhance the soundness and transparency of the Company's management decision-making by providing beneficial views and candid assessments on the Company's management from an objective standpoint that is not biased by an internal company perspective. These individuals have diverse experience, knowledge, and skills in such areas as corporate management, public finance, and corporate governance.

Each of the outside directors meets MHI's independence criteria for outside directors.\* Accordingly, the Company judges all outside directors to be independent from its management team and has reported them as independent directors to the Tokyo Stock Exchange and other financial instruments exchanges in Japan.

All the outside directors are independent from management and supervise or audit management. At meetings of the Board of Directors, they receive reports on the status of the establishment and operation of internal control systems, including compliance, risk management, and other activities, and the results of internal audits, and they state their opinions when appropriate. The Audit and Supervisory Committee, a majority of whose members are outside directors, also conducts audits in collaboration with the Internal Audit Department, Management Audit Department, and accounting auditor. In addition, the Audit and Supervisory Committee shares information about the status of audits with outside directors who are not serving as Audit and Supervisory Committee members.

Board Evaluation

MHI took the enactment of Japan's Corporate Governance Code as an opportunity to analyze and evaluate the effectiveness each year of the overall Board of Directors. We seek to increase the effectiveness of the Board of Directors and ensure it is substantially fulfilling its duty of accountability to shareholders by verifying the overall effectiveness and role of the Board of Directors.

Based on a questionnaire of all directors, Board of Directors discussions, and so on, the Board of Directors confirmed that it functioned effectively in fiscal 2017.

\* Indicated in the Corporate Governance Guidelines of Mitsubishi Heavy Industries, Ltd.

# Officers' Remuneration Structure

The remuneration of directors (excluding Audit and Supervisory Committee members and outside directors) consists of base remuneration, performancelinked remuneration, and stock remuneration from the viewpoint of reflecting earnings and sharing values with shareholders.

Performance-linked remuneration is determined based on consolidated earnings while also taking into account the roles of each director and the business performance and accomplishments of the business of which he or she is in charge, etc.

For stock remuneration, the Board Incentive Plan Trust structure is used. MHI shares are issued, and remuneration is paid based on stock award points that are granted in accordance with return on equity (ROE) and other such indicators linked to MHI's medium/long-term earnings and stock price.

#### **Remuneration of Directors**

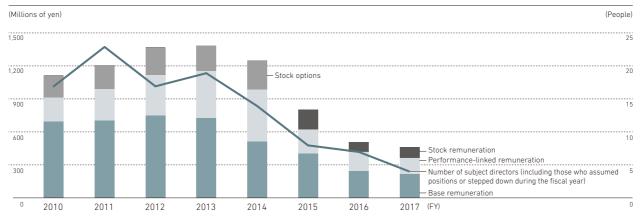
	Monetary remuneration			Stock remuneration		Tatal annual of	
	Base remuneration		Performance-li	nked remuneration		Total amount of remuneration	
Position	People	Total amount (Millions of yen)	People	Total amount (Millions of yen)	People	Total amount (Millions of yen)	(Millions of yen)
Directors who are not Audit and Supervisory Committee members	6	248	4	143	4	99	491
(Of which, outside directors)	(2)	(29)	(—)	(—)	(—)	(—)	(29)
Directors who are Audit and Supervisory Committee members	7	190	_	_	_	_	190
(Of which, outside directors)	(3)	(54)	(—)	(—)	(—)	(—)	(54)
Total	13	438	4	143	4	99	681
(Of which, outside directors)	(5)	(83)	(—)	(—)	(—)	(—)	(83)

- Notes: 1. The recipients include two directors who were Audit and Supervisory Committee members who stepped down in fiscal 2017.

  - 2. The maximum permitted monetary remuneration amount for directors who are not serving as Audit and Supervisory Committee members is ¥1,200 million per year (resolution of the 90th Ordinary General Meeting of Shareholders on June 26, 2015).

    3. The total amount of stock remuneration is the amount of expenses recognized for the 234,000 stock award points granted in total during fiscal 2017 (equivalent to 23,400 shares of MHI) concerning the Board Incentive Plan Trust, which is a stock remuneration system that delivers or provides shares of MHI and money in the amount equivalent to the liquidation value of MHI shares based on stock award points granted to directors (excluding outside directors and directors who are serving as Audit and Supervisory Committee members) in accordance with, among other factors, the rank of the position of each director and the financial results of MHI. The maximum permitted amount of stock award points is 500,000 points (resolution of the 90th Ordinary General Meeting of Shareholders on June 26, 2015) per fiscal year for directors (excluding outside directors and directors who are serving as Audit and Supervisory Committee members)
  - 4. The maximum permitted monetary remuneration amount is \(\frac{4}{300}\) million per fiscal year for directors who are serving as Audit and Supervisory Committee members (resolution of the 90th Ordinary General Meeting of Shareholders on June 26, 2015).

#### Remuneration of Directors\*1



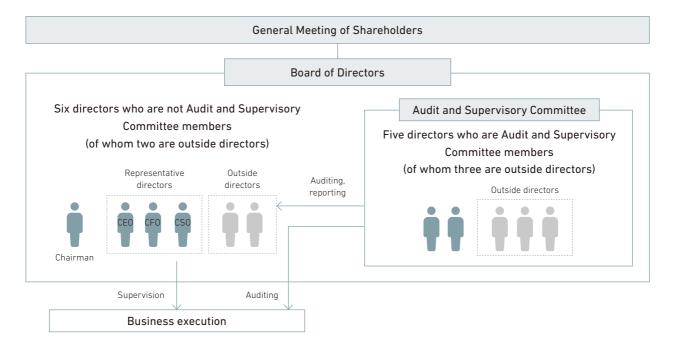
<sup>\*1</sup> Remuneration of directors who are not Audit and Supervisory Committee members (excluding outside directors)

# **Nomination and Remuneration Meeting**

The Nomination and Remuneration Meeting is composed solely of the five outside directors and the president and CEO. Prior to deliberation by the Board of Directors, this meeting serves as a forum for eliciting the opinions and advice of outside directors on the nomination of director candidates, the dismissal of directors, the appointment and dismissal of the CEO and other chief officers, and matters related to remuneration.\*2 The aim of this meeting is to further augment transparency and fairness. In fiscal 2017, the Nomination and Remuneration Meeting met three times.

\*2 Excluding directors who are serving as Audit and Supervisory Committee members.

Taking into consideration the content of Japan's Corporate Governance Code (Revised Edition), we are considering measures to revise officer-related personnel and remuneration processes from the perspective of enhancing procedural objectivity and transparency.



# Nomination and Remuneration Meeting (from January 2016) Positioning Advisory institution to the CEO To explain the CEO's policies on director nomination and remuneration to outside directors and to obtain the opinions and advice of outside directors Participants CEO and all outside directors Held three times in fiscal 2017, in July 2017 and January and March 2018 Explanation Opinions/advice Outside directors

# **BUSINESS RISK MANAGEMENT**

Throughout its history, MHI Group has achieved sustained growth by taking up diverse new challenges and initiatives in numerous business areas. At the same time, on occasion we have experienced losses on a large scale. In recent years especially, with the globalization of its business activities, the expanding scale of individual projects, and ongoing development of increasingly complex technologies, the scale of attendant risks is becoming larger than ever before.

In order for MHI Group to mark sustained growth amid an ever-changing business environment, it is necessary to continue to take up challenges in new fields, new technologies, new regions, and new customers as well as to improve and strengthen operations in its existing business markets. Such challenges will entail business risks, and a company's ability to curb risks wields significant influence on its business results and growth potentials.

To promote challenges of this kind and prepare for the next leap into the future, MHI Group, applying its past experience and lessons learned, aims to create the mechanisms that will ensure the effective execution of business risk management. At the same time, we reinforce advanced, intelligent systems and process monitoring, both of which support top management's strategy decisions. Through these approaches, we will pursue "controlled risk-taking" that will enable us to carry out carefully planned challenges toward expanding our business.

# **Outline of Business Risk Management**

No corporation can avoid taking risks. We believe that risk management is a part of governance and functions only when the elements of systems and processes, corporate culture, and human resources are in place. For our Group

# Matrix of Business Risk Management



to succeed in the global market, we need to take bold and daring risks, but we also need to manage those risks. That is the perfect combination for continually increasing our corporate value.

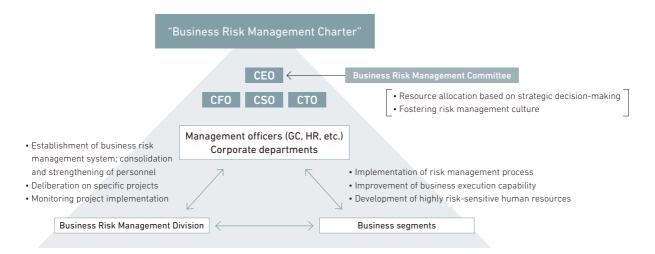
In this sense, it is very important that all business participants, from people engaged in the actual business to management, comprehend and control risks in business, from processes to strategies. For details, please see the chart below (Matrix of Business Risk Management).

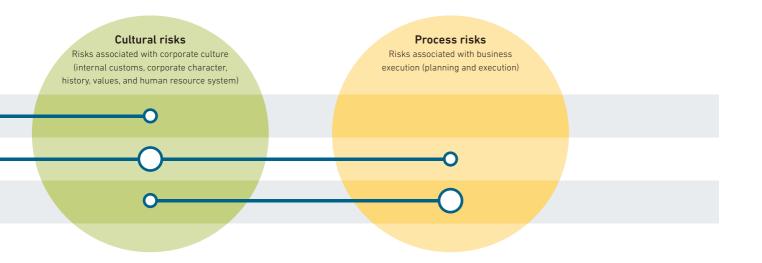
# **Business Risk Management Structure**

Through the following measures, MHI Group is pursuing more organized business risk management and clarifying the roles of management, business segments, and corporate departments.

- Observe and practice the Business Risk Management Charter as the Company's foremost set of rules
  →Clarify, observe, and practice risk management targets, etc.
- Hold meetings of the Business Risk Management Committee, headed by the CEO

  →Share information on important risks and discuss policy response by top-level management



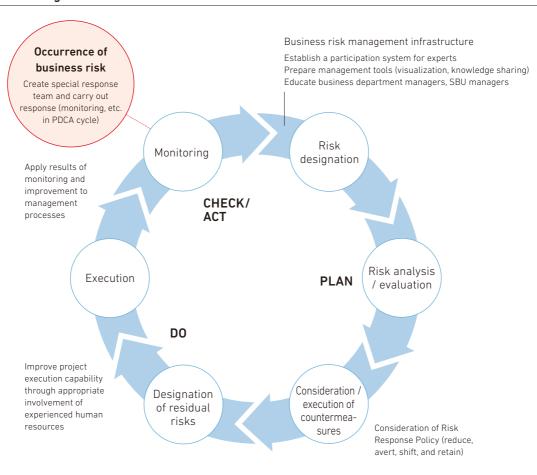


# **Content of Activities**

With the Business Risk Management Department acting since April 2016 as the responsible department that reports directly to the CEO, MHI Group engages in business risk management activities bringing together management, business segments, and corporate departments.

The chart below (Business Risk Management Process) outlines specific activities. In addition to improving systems and processes to prevent business risks and reduce the frequency with which such risks manifest themselves, we also develop human resources in charge of business risk management and cultivate a culture of responding to risks through training by the Group's management team.

# **Business Risk Management Process**



- •Define and categorize business risks
- Have knowledgeable specialists participate in risk assessment discussions
- •Develop tools risk quantification, visualization, Al utilization
- •Strengthen discussions participation of top management, business divisions, and corporate departments



Business risk prevention and reduced frequency of occurrence

MHI's Vision and Steps toward Its Realization

MHI Group attaches importance to complying with applicable laws and social norms and promoting fair and honest business practices. The Compliance Committee, established in May 2001, meets twice annually to draw up groupwide compliance promotion plans, confirm progress, and engage in other activities.

Since 2003, to increase awareness of compliance among individual employees, we have conducted discussion-based compliance training every year at the workplace level, themed on compliance cases that could arise on-site.

In May 2015, we issued the "MHI Group Global Code of Conduct." As a global group, MHI Group employs thousands of individuals from different backgrounds, nationalities, and cultures. This diversity of talent and perspectives is one of our greatest assets. Having diverse backgrounds, it is important to work together and to promote our business under a common corporate culture.

This code of conduct sets out the basic principles and policies that all MHI employees should follow. We disseminate this code of conduct among MHI Group employees around the world through e-learning and by distributing booklets.

In order to ensure thorough compliance throughout MHI Group, we are conducting e-learning and study sessions for Group employees in Japan and overseas on anti-trust laws, anti-bribery, and export-related laws and regulations. In addition, we have created a compliance guidebook for employees engaging in technical and skilled jobs at MHI and Group companies in Japan, and we are promoting face-to-face education at each worksite to enhance compliance awareness.

In September 2017, we formulated the "MHI Compliance Global Policy," clarifying basic matters related to compliance promotion, such as the organizational framework, roles, and administration standards that each Group company should follow. Along with the Global Code of Conduct, this policy clarifies our common code of conduct and basic rules that must be complied with throughout the Group. In this way, we are working to strengthen internal controls and enhance the level of compliance throughout the entire Group.

Number of participants at compliance training

Approximately

84,300

# Compliance Promotion System

(as of January 1, 2018)



# MHI GROUP × SDGS

We deliver reliable and innovative solutions that make a lasting difference to customers and communities worldwide and contribute toward the achievement of the SDGs.

MHI Group has been an innovative partner to society through a broad range of businesses for more than 130 years.

We are now being called on as a company to play an even greater role in responding to the megatrends society faces and helping resolve the various issues outlined by the Sustainable Development Goals (SDGs\*).

Going forward, and in keeping with the spirit of its principles ("We deliver reliable and innovative solutions that make a lasting difference to customers and communities worldwide.") and as a manufacturing company, MHI Group will deliver reliable and innovative solutions that make a lasting difference to customers and communities worldwide. We provide the world with products and technologies that support the social and industrial infrastructure. We also contribute toward the resolution of issues on a global scale.

\*SDGs: In September 2015, the United Nations adopted these 17 goals to be achieved by 2030.

#### Our Principles





> Please see the inside cover page for details of our principles



Flue Gas Desulfurization Plant



Fisheries Training Vessel



Intelligent Transport Systems Waste-to-Energy Plant (ITS)





15 LIFE ON LAND

Automated People Mover



Pressurized Water Reactor (PWR)



Geothermal Power Plant



V164-8.0 MW Offshore Wind Turbine



CO<sub>2</sub> Recovery Plant





MHI Group is well-placed to focus its energies on Goal 13 of the SDGs: "Take urgent action to combat climate change and its impacts." In addition to decreasing greenhouse gas emissions, we are striving to reduce environmental impact of all processes across our business activities. At the same time, we are pursuing specific measures to address climate change, such as by providing power plants with low environmental impact, renewable energy facilities, and  $CO_2$  recovery plants.

# **BUSINESS SEGMENT HIGHLIGHTS**

# **Power Systems**

Main

Gas and steam power generation systems, nuclear power plant equipment (light-water reactors/nuclear fuel Businesses cycle & advanced solutions), wind power generators, aero engines, compressors, marine machinery

Fiscal 2017

Overview of Having been hit by global market factors such as the acceleration of the shift to low-carbon approaches and the switch to renewable energy, coal-fired power plants saw a significant decline, and order volumes for gas turbine combined cycle (GTCC) systems also fell considerably. As a result, consolidated orders received decreased year on year, to ¥1,437.5 billion. Consolidated net sales rose year on year to ¥1,493.9 billion, driven by steady progress in work related to orders for gas and steam power generations, as well as increases in aero engines.

> Although there were improvements in the profitability of the gas and steam power generations aftersales service, due to such factors as the decline in nuclear power plant equipment, operating income was flat year on year at ¥108.9 billion.

# Industry & Infrastructure

Main Businesses Metals machinery, environmental systems, paper converting machinery, mechatronics systems, ITS,\*1 material handling equipment, engines, turbochargers, air-conditioning & refrigeration systems, automotive thermal systems, machine tools, commercial ships, transportation systems, chemical plants

Fiscal 2017

Overview of In addition to increases in metals machinery on the back of strong infrastructure investment, orders grew for turbochargers, material handling equipment, air-conditioning & refrigeration systems, and other items due to economic expansion, primarily in developed countries. Consequently, consolidated orders received rose year on year, to ¥1,711.3 billion. Consolidated net sales exceeded the level of the previous fiscal year and rose to ¥1,898.9 billion, driven by increases in material handling equipment and turbochargers, for which orders were strong, and in commercial ships. Although higher sales had the effect of raising operating income, declines in transportation systems and chemical plants led to a year-on-year decrease, to ¥40.8 billion.

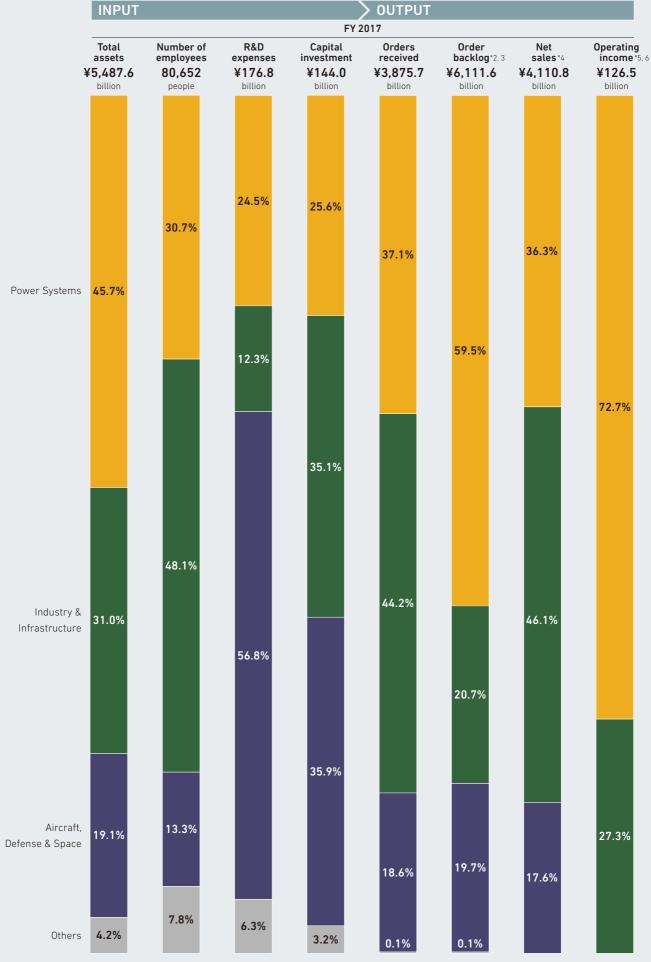
# Aircraft, Defense & Space

Main

Commercial aircraft, defense aircraft, missile systems, naval ships, special vehicles (tanks), maritime Businesses systems (torpedoes), space systems

Overview of In commercial aircraft, orders for main wing boxes for the Boeing 787 increased, but orders fell for defense Fiscal 2017 aircraft and missile systems, for which significant orders had been received in the previous fiscal year, and orders for space systems decreased, leading to a year-on-year decline in consolidated orders received, to ¥721.5 billion. Consolidated net sales rose year on year, to ¥722.9 billion, due in part to space systems, where launches of H-IIA launch vehicles increased, but higher MRJ development costs and other factors resulted in an operating loss of ¥15.1 billion.

<sup>\*1</sup> ITS: Intelligent Transport Systems



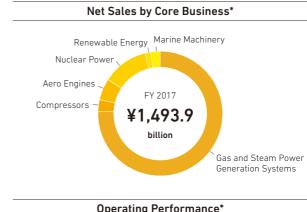
\*2 Mass and medium lot manufacturing, such as turbochargers and air conditioners, is not included \*3 Order backlog totals from close of fiscal 2017 onward do not include past orders for MRJ \*4 Others, eliminations or corporate ...¥–5.1 billion \*5 Aircraft, Defense & Space ...¥–15.1 billion \*6 Others, eliminations or corporate ...¥–8.1 billion

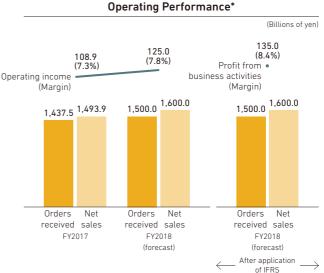


# Operating Environment and Addressing Social Issues

MHI believes that electric power demand will expand even further as electrification progresses, due to phenomena such as economic development in emerging countries and the spread of electric vehicles. At the same time, global warming is expected to spur movement toward low-carbon and carbon-free energy.

Geographic, economic, and social conditions differ depending on country and region, so it is important to offer power sources that correspond to these diverse needs. Demand for renewable energy, such as wind power, is continuously increasing. Simultaneously, we can see a growing need for supply and demand load regulation systems and energy storage systems that secure necessary stabilization of electric power sources and address requirements for improved generation efficiency and lower generating costs.





\*Results for our affiliate MHI Vestas Offshore Wind A/S (MVOW), which deals in offshore wind power systems, are not included in this graph because the company is accounted for using the equity method.

		• Systems offering world's highest levels of thermal efficiency and output
5	Gas and Steam Power	• A full range of output levels, from small and medium-sized to large
		• State-of-the-art environmental technologies (AQCS,*1 IGCC*2)
Str	Nuclear Power	Highest levels in the world in safety technologies and product quality
Strengths	Renewable Energy	<ul> <li>Extensive track record in offshore wind turbines (second-largest share of the world market) and launch of a 9.5 MW, high-output offshore wind turbine (MVOW)</li> </ul>
	Aero Engines	<ul> <li>Combustor and low-pressure turbine manufacturing techniques amassed over many years</li> </ul>
	Compressors	• Top share of the market in the chemical plant field
	Marine Machinery	Flexible customization and the ability to provide solutions
	Turbomachinery Synergies	Mutual use of technologies, human resources, and facilities     Gas turbines, aero engines, aero-derivative gas turbines [PWPS*3], compressors, pumps, MET turbochargers, organic Rankine cycle [Turboden]
		*1 AQCS: Air Quality Control System *2 IGCC: Integrated coal Gasification Combined Cycle *3 PWPS: PW Power Systems
	Gas and Steam Power	Limited track record for delivery of aftermarket services
W	Nuclear Power	Little experience in constructing new plants overseas
	Renewable Energy	• Limited lineup
<b>Wea</b>	Aero Engines	Market led by European and US engine manufacturers
Weaknesses	Compressors	Track record in the oil and gas market
Ses	Marine Machinery	Global service network
o,	Marine Machinery	- Olobat Scrvice Hetwork
0	Con and Sharm Bours	Need for high-efficiency, green power generation in line with increasingly stringent environmental regulations
Op	Gas and Steam Power	<ul> <li>Need for supply and demand adjustments in accordance with the expansion of renewable energy</li> </ul>
Opportunii	Nuclear Power	
Opportunities		renewable energy  • Introduction and expansion of new generation capacity, mainly in emerging
Opportunities	Nuclear Power	<ul> <li>renewable energy</li> <li>Introduction and expansion of new generation capacity, mainly in emerging markets in anticipation of upcoming carbon-free societies</li> <li>Growing demand for offshore wind turbines (markets are expanding in Europe,</li> </ul>
Opportunities	Nuclear Power Renewable Energy	<ul> <li>renewable energy</li> <li>Introduction and expansion of new generation capacity, mainly in emerging markets in anticipation of upcoming carbon-free societies</li> <li>Growing demand for offshore wind turbines (markets are expanding in Europe, the U.S., Taiwan, and Japan)</li> </ul>
Opportunities	Nuclear Power Renewable Energy Aero Engines	renewable energy  Introduction and expansion of new generation capacity, mainly in emerging markets in anticipation of upcoming carbon-free societies  Growing demand for offshore wind turbines (markets are expanding in Europe, the U.S., Taiwan, and Japan)  Sustained growth in the airplane market
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Opportunities	Nuclear Power  Renewable Energy  Aero Engines Compressors Marine Machinery  Gas and Steam Power  Nuclear Power	renewable energy  Introduction and expansion of new generation capacity, mainly in emerging markets in anticipation of upcoming carbon-free societies  Growing demand for offshore wind turbines (markets are expanding in Europe, the U.S., Taiwan, and Japan)  Sustained growth in the airplane market  Increasingly vigorous oil and gas markets  Strengthened environmental regulations  Increasingly stringent competition with overseas companies  Expanded use of renewable energy and backlash against coal-fired thermal power  Trend away from nuclear power generation
Т	Nuclear Power  Renewable Energy  Aero Engines Compressors Marine Machinery  Gas and Steam Power  Nuclear Power Renewable Energy	renewable energy  Introduction and expansion of new generation capacity, mainly in emerging markets in anticipation of upcoming carbon-free societies  Growing demand for offshore wind turbines (markets are expanding in Europe, the U.S., Taiwan, and Japan)  Sustained growth in the airplane market  Increasingly vigorous oil and gas markets  Strengthened environmental regulations  Increasingly stringent competition with overseas companies  Expanded use of renewable energy and backlash against coal-fired thermal power  Trend away from nuclear power generation  Market susceptible to policy-driven subsidy trends
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Opportunities	Nuclear Power  Renewable Energy  Aero Engines Compressors Marine Machinery  Gas and Steam Power  Nuclear Power Renewable Energy	renewable energy  Introduction and expansion of new generation capacity, mainly in emerging markets in anticipation of upcoming carbon-free societies  Growing demand for offshore wind turbines (markets are expanding in Europe, the U.S., Taiwan, and Japan)  Sustained growth in the airplane market  Increasingly vigorous oil and gas markets  Strengthened environmental regulations  Increasingly stringent competition with overseas companies  Expanded use of renewable energy and backlash against coal-fired thermal power  Trend away from nuclear power generation  Market susceptible to policy-driven subsidy trends

# The Value We Deliver

MHI Group provides stable electrical power with superior economic efficiency and offers solutions that allow for both societal development and comfortable livelihoods. We do this by promoting a harmonious coexistence between renewable energy and stable sources of electric power such as gas, coal-fired power, and nuclear power.

For example, we also deal in hydrogen mixed-fuel combustion power generation, which has a low environmental impact. MHI Group is aiming to conduct hydrogen mono-fuel combustion power generation that does not emit  $\mathsf{CO}_2$  in the future, and will drive the construction of an energy supply chain by com-

bining its diverse technologies.

Additionally, we are able to offer environmentally friendly solutions in existing power generation fields, such as coal-fired generation systems equipped with IGCC—which generates power with a low environmental impact by extracting gas from coal—and with technology that recovers about 90% of CO<sub>2</sub> emissions.

MHI Group will propose an electricity supply system that fits societal needs and fulfills the basic requirements of 3E+S (economy, energy security, and environmental protection and safety), as outlined in Japan's Strategic Energy Plan.

# 2018 Medium-Term Business Plan: Growth Strategies

Throughout the duration of the 2018 Medium-Term Business Plan, we will steadily execute ongoing projects involving our abundant gas and steam power systems and endeavor to secure profit. At the same time, we will promote the growth strategies below, which were formulated in anticipation of the 2021 Medium-Term Business Plan.

We will work to improve profitability by establishing new gas and steam power systems, performing revamp work on existing power generation facilities to reduce carbon emissions and enhance efficiency, and expand the service business by making use of leading-edge digital technologies.

In the nuclear power business, we will focus on the safe and reliable construction of facilities that are compliant with new Japanese safety criteria and that can handle specific large accidents. After restarting facility operations, we will engage in all varieties of maintenance. Furthermore, we will continue to provide support for the Fukushima Daiichi Nuclear Power Station of Tokyo Electric Power Company Holdings, Inc.

In terms of aero engines, we will strive to expand resources in order to respond to robust demand for commercial aircraft and focus on our engine overhaul and parts repair business.

MHI is also aiming to strengthen its competitiveness in renewable energy. To this end, we will respond to an expanding offshore wind power market by bolstering our system of mass production and by releasing an offshore wind power generation device with a higher output than any other. Furthermore, we will propose solutions that raise added value through a combination of flexible power sources (small size gas turbines, etc.) and energy storage (storage batteries, power to fuel, etc.).

In the compressors business, we will secure orders for petrochemical plants, which has been an area of strength for us. In addition, we will demonstrate our turbomachinery synergies and strive to expand our business into the upstream oil and gas market with the support of technologies such as our gas turbinedriven LNG compressor train, which combines compressors with small- to medium-size gas turbines.

Furthermore, MHI will work to open up new fields of business through its power and energy solution business, which incorporates an integrated management system that utilizes AI and IoT technologies such as MHPS-TOMONI® and ENERGY CLOUD®.

Activities Focused on the 2018 Medium-Term
Business Plan and Beyond

# **OUR GOALS**

#### Technology that contributes to the achievement of low-carbon and carbon-free societies

Evolution of core technologies and commercial machinery

Improvement of existing power generation systems

(Safety improvements in high-efficiency and largecapacity GTCC, hydrogen, ammonia, and methanefueled gas turbines and light-water reactor plants)

Renewable energy power generation

(Wind, geothermal, hydroelectric, and organic Rankine cycle)

Turbomachinery synergies

Efficient business expansion through mutual use of turbine technology, human resources, and facilities

(Turbine products such as our gas turbines, aero engines, aero-derivative gas turbines, compressors, pumps, MET turbochargers, and organic Rankine cycle)

#### Measures Aimed at Achieving Goals in the 2018 Medium-Term Business Plan • Improvement in profitability through efficient construction in ongoing projects • Expansion of the service business (modifica-Gas and steam power tion to existing facilities aimed at reducing carbon emissions and improving efficiency, generation systems digitalization, and O&M\* optimization, etc.) • Improvement in operating efficiency with continued implementation of PMI • Response to new Japanese safety criteria and promotion of safe and reliable construction of facilities that can handle specific large accidents • Implementation of maintenance after restarting facility operations Nuclear power • Support for the completed construction of nuclear fuel cycle facilities Support for stabilization of the Tokyo Electric Power Company's Fukushima Daiichi Nuclear Power Station Strengthening of risk management for participation in overseas projects • Expansion of business scale in response to robust demand for commercial aircraft Aero engines • Expansion of engine overhaul and parts repair business • Strengthening of competitive power in Renewable energy response to an expanding offshore wind power market • Creation of new compressor facilities and enhancement of service facilities as the oil Others (compressors, and gas market environment recovers turbomachinery · Business creation and demonstration of synergies, power and synergies of our wide-ranging turbomachinenergy solution ery technologies business, etc.) • Opening of new business fields through the

\*O&M: Operation and Maintenance

power and energy solution business

# Integrated management that utilizes AI and IoT technologies

#### Power and energy solutions

## Services for power generating stations

(Flexible operation, performance improvement, and 0&M optimization)

## Services for customers

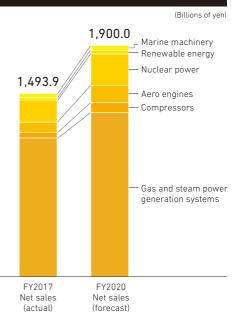
(Support for energy infrastructure, 0&M support, EMS\* and utility optimization systems, and maintenance support)



TOMONI

\*EMS: Energy Maintenance System

#### Breakdown of Sales Plan



Note: Results for our affiliate MHI Vestas Offshore Wind A/S (MVOW), which deals in offshore wind power systems, are not included in this graph because the company is accounted for using the equity method.

# As a Member of the Local Community

Mitsubishi Hitachi Power Systems
Americas, Inc. (MHPS Americas), a
power business company in the
Americas, invites multiple local high
school and college student groups
every year to its Orlando Service
Center. Through this opportunity, the
students learn how power plants
work, and how natural gas turbines
are manufactured and repaired.
MHPS Americas aims to promote
science, technology, engineering and
mathematics (STEM) and manufacturing careers.





The Industry & Infrastructure and its diverse range of environmentally friendly products support people's daily lives in countless ways: air-conditioning systems in households and offices; forklifts in logistics; transportation systems and ships in the movement of people and things; and metals machinery, chemical plants, and a wide range of machinery in the industries and societies, help to make people's lives and society happier and more fulfilling. In January 2018, we completed a structural reform that transformed all operations into business companies. In this new stage of growth, through our technologies and products, we will move forward social infrastructures and living environments to the future.

# Operating Environment and Addressing Social Issues

Recently, achieving economic development while reducing environmental impact has become an increasingly important social issue. Environmental regulations are growing more stringent in various fields, prompting MHI Group to increase social contribution through its technologies and experience. For example, more stringent international emissions regulations on ship exhaust gas will go into effect in 2020. We forecast that demand for compliant equipment will rise in response. At the same time, needs are rising for turbochargers that help improve fuel consumption and reduce  $CO_2$  emissions in automobiles and for centrifugal chillers adapted for use with low-environmental-impact refrigerants.

At the same time, the rapid expansion of ecommerce has exacerbated labor shortages in the global logistics market and prompted the need to improve distribution efficiency.

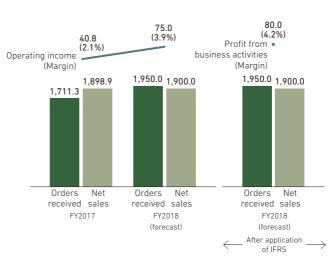
In the medium and long term, we expect a greater demand for initiatives that respond to urban issues such as waste treatment, as well as the shift to electrification and automation in logistics and transportation systems.

#### Net Sales by Core Business



# **Operating Performance**

(Billions of yen)



9	

Strengths

## Expertise cultivated in a wide range of product fields and effective utilization of resources within the domain

Expertise cuttivated in a wide range of product fields and effective utilization of resources within		
Material Handling Equipment	Third largest business scale in the world	
Turbochargers	• Development of highly efficient products leveraging high-speed rotational technologies	
Thermal Systems*1	• Extensive product lineup and world-class environmental and energy-saving technologies	
Metals Machinery	Full product lineup and global presence	
Transportation Systems	$\bullet$ Advanced system integration capabilities in urban transport and extensive experience with $APM^{*2}$	
Chemical Plants	• Advanced EPC*3 management capabilities based on extensive plant experience	
Commercial Ships	• Superiority over competitors in environmental and energy-saving technologies	

<sup>\*1</sup> Thermal Systems: Air-conditioning and refrigeration, automotive thermal systems \*2 APM: Automated People Mover (fully automated, driverless vehicles)
\*3 EPC: Engineering, Procurement, and Construction



# Tendency to be affected by short-term economic fluctuations

Chemical Plants	Volatility in orders received
Commercial Ships	• Relatively weak cost competitiveness on repeated construction of ships with the same specifications



Weaknesses



Material Handling Equipment	• Increasing market for logistics solutions with expansion of e-commerce business
Turbochargers	• Growing trend toward downsized engines with turbochargers in response to environmental and fuel performance regulations
Engines	• Growing power generation market in line with increases in demand for distributed power systems
Thermal Systems	Rising awareness toward environmental preservation
Metals Machinery	• Increasing demand for energy savings and low-environmental-impact products, expanding demand for high-value-added products such as high-grade steel sheets
Transportation Systems and Environmental Systems	Market growth in emerging countries due to economic development and urbanization
Chemical Plants	• Increasing plant investment in natural-gas-producing countries (including the U.S. and Central Asian countries)
Commercial Ships	Increasingly stringent environmental regulation of maritime transport



Threats

# Rise of manufacturers in emerging countries Sense of uncertainty in the global economy

Transportation Systems	• Expansion of competitors' businesses through M&A
Chemical Plants	Increasing geopolitical risks
Commercial Ships	• Increasingly severe competition as the gap between supply and demand for new ships persists

# The Value We Deliver

We offer a variety of value based on the principle of creating a society that helps people live happier and more fulfilled lives. We help prevent climate change with turbochargers that reduce CO<sub>2</sub> emissions by enabling engine downsizing and with centrifugal chillers with low-environmental-impact refrigerants. At the same time, we are offering more direct solutions to climate change through marine exhaust gas cleaning systems and CO<sub>2</sub> recovery plants with the highest processing capacity in the world. Additionally, we are strengthening our solutions business initiatives related to the logistics market, which is changing and growing remarkably. At the center of these initiatives is our AGF\*1. Through automated,

unmanned, and labor-saving technologies such as the AGF, we respond to needs for safety, security, and increased efficiency. MHI will also mitigate traffic congestion and secure comfortable travel for people through transportation systems such as ITS\*2 and APM. Furthermore, we will create environmentally friendly urban spaces with a variety of environmental systems, including waste-to-energy systems. We will also support industrial technology innovation with our metals machinery and machine tools. Through all of these products and solutions, we will contribute to the realization of sustainable societies.

<sup>\*1</sup> AGF: Automated laser-Guided Forklift

<sup>\*2</sup> ITS: Intelligent Transport Systems



# 2018 Medium-Term Business Plan: Growth Strategies

After three years of portfolio management under our 2015 Medium-Term Business Plan, we have established a new structure that allows for the sustainable growth of each business. In the growing market for material handling equipment and thermal systems, we will invest proactively to expand sales and improve profitability. For turbochargers and engines, we will enhance profitability with advanced production systems and through technology differentiation. In the metals machinery, commercial ships, and engineering-related businesses\*, we will promote

structural reforms to secure earnings. Through resource sharing and better efficiency, our machinery systems, which are involved in a wide range of businesses, will function as a base for domain earnings. Meanwhile, we will aim to build a continuously stable profit structure in our machine tools business. Finally, our domain will provide a common base to enhance technical capabilities and innovation to properly execute each business's strategies and maximize value.

\*Chemical plants, transportation systems, and environmental systems

# Activities Focused on the 2018 Medium-Term Business Plan and Beyond

# **Energy efficiency**

Industrial and logistics machinery and robotics

Synergies among businesses within I&I domain

Big data analysis, remote monitoring system development, etc.

Domains provide one-stop support for each business

# **OUR GOALS**

## **Urban issues**

Logistics and transportation systems, waste treatment

Collaboration and alliances with customers and other companies

SL-Lab

(Sophisticated Logistics Laboratory)

Create next-generation logistics with customers (Design conceptualization approach)

Core technologies: technology sharing with cross-divisional projects/ technology sharing with system tools

Project engineering: project engineering support/ project engineering capability development

Digitalization: promotion team in Europe/ data analysis/ agile development/ design conceptualization

# Technologies

# Measures Aimed at Achieving Goals in the 2018 Medium-Term Business Plan

## Proactively invest in growing markets

Drive domain growth with expansion of business scale and earnings

Material	Increase sales and earnings with multi-brand, global/local strategies for expanding markets. Strengthen solution/service
handling	businesses and differentiate through advanced technologies
equipment	that anticipate megatrends
Thermal	Expand sales networks globally and increase production capacity to expand business scale. Increase thermal solutions
systems	business with low-environmental-impact refrigerants and by boosting global sales of products for electric vehicles

# Enhance profitability through advanced production systems and technology differentiation

Turbochargers	Enhance business with advanced production systems and an improved operating ratio. Strengthen development capabilities to offer products for diversified power train lineups to meet more stringent environmental regulations
Engines	Reinforce core competencies (segment for high output range over 1 MW) and expand business scale in the distributed power systems market

# Generate base-load for domain earnings through shared resources and better efficiency

Machinery	In mechatronics systems*, promote and expand new businesses by generating synergies through business consolida-
systems	tion. Develop ITS and paper converting machinery businesses in the South Asian and other markets

#### Build a continuously stable profit structure

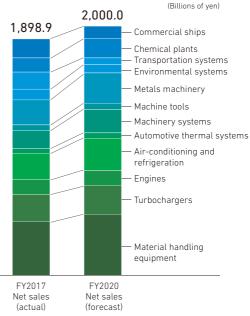
# Secure and raise earnings by reforming and improving the business structure

Metals machinery	Promote business model reform by expanding maintenance and service business and offering life cycle services that focus on customer value
Engineering- related businesses	Increase profitability by developing business before/after EPC and advancing after-sales services. Expand business field with the accumulation of engineering management capabilities
Commercial ships	Shift to high-density outfitted ships and value-added ships, expand marine engineering business based on environmental solutions

 $<sup>^{\</sup>star}$  Mechatronics Systems: machinery, steel structure plants, etc.

# Social infrastructure innovations Future mobility and logistics Companywide synergies including defense and space i³works collaborative activities of industry, infrastructure, integrated defense & space Dual-use technology, cyber security space, mobility

# Breakdown of Sales Plan



# As a Member of the Local Community

Mitsubishi Heavy Industries-Mahajak Air Conditioners Co., Ltd. (MACO), the base of our air conditioner business in Thailand, has been donating facilities to be used as schoolhouses or classrooms to local elementary schools since 1998. Since its establishment, MACO has been doing its part to improve economic development in Thailand through initiatives such as job creation, export expansion, and technology exchange. MACO also endeavors to be a good corporate citizen by directly contributing to the resolution of issues facing societies in Thailand; employees listen to requests and demands from local residents and MACO works to respond to them.

Moving forward, the company will continue cooperating with surrounding regions to raise the quality of people's lives.



# AIRCRAFT, DEFENSE & SPACE

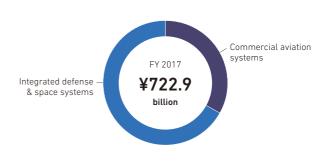
In the Aircraft, Defense & Space, we deal in structural parts, such as fuselage panels and main wings, for commercial aircraft, which are increasing their market presence as a means of transportation. In addition, we are currently promoting the development of MRJ. These 70–90-seater regional jets are more environmentally friendly and comfortable. Furthermore, we contribute to safe and secure livelihoods through initiatives such as developing defense equipment and launching space vehicles with payloads such as observation satellites.

# Operating Environment and Addressing Social Issues

The number of operating aircraft is expected to double over the next 20 years as travel intensifies due to globalization. Demand for the development of more fuel-efficient aircraft has surfaced in response to emissions regulations regarding future environmental impact and fluctuations in oil prices. Due to these conditions, the commercial aircraft business is expected to expand.

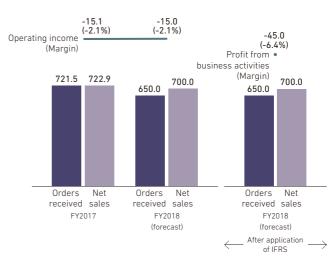
On the other hand, as values diversify, world affairs are becoming increasingly complicated. In the defense and space fields, by the request of our main customer, the Japanese government, we are doing our part to achieve and maintain societies in which people can live safely and securely.

#### Net Sales by Core Business





(Billions of yen)





## **Commercial Aviation Systems**

Long-term customer relationships, a long history of expertise in manufacturing aircraft, and the creation of relationships with parts suppliers based on the foundation of a domestic aircraft industry

Design and manufacturing technologies for large composite main wing boxes and other structural components Development of MRJ with high levels of efficiency, reliability, and superior operational economics

#### Integrated Defense & Space Systems

Leading-edge technologies fostered through the development of defense and space products

• Ability to make proposals for integrated defense systems, and expertise and channels cultivated

through international joint collaboration
Development capabilities in launch vehicles and launch vehicles engines and world-leading levels

Space

Development capabilities in launch vehicles and launch vehicles engines and world-leading levels
of reliability



Weaknesses

## Commercial Aviation Systems

High degree of reliance on specific customers

High sensitivity to foreign exchange fluctuations, as business is concentrated on overseas customers. Shortage of experience in commercial aircraft development

# Integrated Defense & Space Systems

Defense • Limited experience in pursuing and leading overseas opportunities
 Space • Inadequate cost competitiveness in global markets



# **Commercial Aviation Systems**

Demand for approximately 34,000 aircraft over the next 20 years

Demand for about 3,500 70–90-seater jet aircraft over the next 20 years

# Opportunities

# Integrated Defense & Space Systems

• Cabinet approval of the Three Principles on Transfer of Defense Equipment and Technology

Defense • Accelerating development and procurement of new products in line with the formulation of a

 Accelerating development and procurement of new products in line with the formulation of Japan's Mid-Term Defense Program

• Growing launch market in line with an expanding need for satellites, including the use of space in national security



#### **Commercial Aviation Systems**

Globalization of aircraft production (business being promoted separately in developed countries and emerging countries)

Industry reorganization due to integration and resulting intensification of competition



## Integrated Defense & Space Systems

Defense	• Lower domestic budget for front-line combat equipment expenses due to increased overseas
Detellac	procurement

• Concern regarding price-cutting by new U.S. companies entering the market for overseas launch services

# The Value We Deliver

In the commercial aircraft business, we are responsible for manufacturing main wing boxes for the Boeing 787, which uses a composite material instead of aluminum alloy. The composite material helps reduce airframe weight and improve fuel efficiency. We are also applying technologies such as cutting-edge fluid analysis in our development of MRJ airframes.

In the defense and space business, we are utilizing the most advanced technologies to offer products and services that contribute to the safety and security of society. For example, our H-IIA launch vehicle, which handles the launch of payloads such as observation and communication satellites, boasts a

world-leading success rate of 97.4% (as of June 30, 2018). This success provides evidence of the high quality of the products and services that we offer.

We also use the cutting-edge technologies we have cultivated through this field in various other fields, applying them in product materials, structures, and control. With these diverse technological applications, we are able to demonstrate our strengths, even in fields where competing companies struggle.

We will continue to engage in activities aimed at preserving a society in which people can live more safely and securely while making full use of these sophisticated technology development capabilities.



In the commercial aircraft business, we continue to proceed with business structure reforms and work to improve productivity through measures such as introducing automated equipment. The Company is aiming to deliver its first MRJ to customers by mid-2020. This product, which is currently under development, is receiving high praise from the market and is expected to become a large pillar for the future of the Company.

Furthermore, we will strengthen the collaborative relationship between our MRJ and Tier 1 businesses and aim to advance into new lines of business, such as airplane operation support and

high value-added fields, which include airframe accessories.

In the defense and space business, we are planning to expand into new business fields, such as command and control and unmanned aerial, ground, and maritime systems, while continuing to conduct stable business operations by offering world-class products. At the same time, we will utilize the technologies we have cultivated over the years to expand our overseas business and our existing fields such as MRO\*. In addition, we will promote expansion into advanced security consumer products.

\*MRO: Maintenance, Repair, and Overhaul

# Activities Focused on the 2018 Medium-Term Business Plan and Beyond

# **Commercial Aviation Systems** Tier 1 business: strengthening of current businesses Collaboration between the Tier 1 business and MRJ business: MRJ90 development, TC (type certificate) the full-scale commercial aircraft business acquisition, first delivery by mid-2020 Advance into differentiated competitive advantage areas (Airframe OEM) •Advanced materials (composites) Promote automation (labor-saving to full automation) •Advanced engineering /manufacturing processes Upskill and cross-train human resources (3D printer) •High value-added products (key components, etc.) Land, sea, and air Space Land, Sea, Air, Space, and Cyberspace Front line combat Launch vehicles Dual-use business Peripheral field business equipment Integrated Defense & Space Systems

## Measures Aimed at Achieving Goals in the 2018 Medium-Term Business Plan

# Tier 1 Improve productivity

- Accelerate labor savings by introducing automated equipment
   Automate indirect work processes using Al/IoT
- Concentrate production capacities to achieve highly efficient parts manufacturing

# Reduce fixed costs

Control external

expenses

- Replace auxiliary/routine work with IT systems to reduce labor costs
   Upgrade and diversify personnel skills, reallocate and
- equalize deployment of resources

  Reduce working capital and generate cash flow with
- advanced procurement processes\*
- Internalize outsourced operations using optimal human resources

# MRJ (Secure a long-term, sustainable business)

Strengthen ties with Tier 1 businesses	Expand profitability through business synergy and entry into high value-added markets
Strengthen sales and customer support structures	Enhance human resources and consider partner- ships with outside agencies
Pursue full-scale development and early TC acquisition of MRJ70	Build a business foundation by establishing a position in the largest RJ market early

<sup>\*</sup>Introduce systems for acquisition of specialist skills, including information systems such as AI/IoT/RPA, production processes, procurement operations, CAD/NC programs, etc.

# Integrated Defense & Space Systems

# Expand existing domestic fields and peripheral fields

Е	X	is	ti	n	g	
fi	e	ld	s			

- Steadily start up our next core businesses
- Expand our business fields (command and control, M&S\*, etc.)
- Peripheral fields
- Expand MRO business in the maintenance and repair services field
   Advance into new peripheral fields (unmanned platforms, big data utilization, etc.)

## **Expand overseas business**

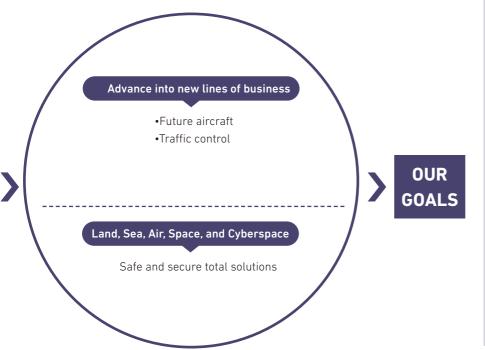
#### Adapt MHI key components for use in overseas equipment

- Utilize channels shared with overseas manufacturers that were cultivated through existing partner businesses
- Collaborate with other companies while lobbying the Japanese government
- International joint development projects
- Participate in joint development projects with allied nations
   Start up and promote initiatives in collaboration with the Japanese government

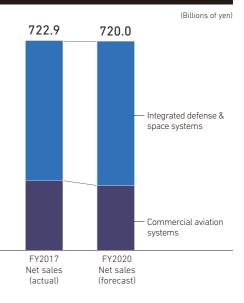
#### Establish dual-use development businesses

- Utilize core technologies from the defense business
- Expand private demand, primarily in the commercial security field

\*M&S: Modeling and Simulation



## Breakdown of Sales Plan



# As a Member of the Local Community

MHI continually operates its special science classroom, the Tanegashima Space School, in Tanegashima, Kagoshima. This school supports the dreams of children who will lead the next generation by offering tours of launch vehicle production facilities and opportunities to view launches. In this classroom, our engineers provide education regarding aerospace science and technologies and conduct mock launches using plastic bottle rockets that the children make. Through activities such as these, the Tanegashima Space School raises children's curiosity and interest regarding craftsmanship and develops human resources ready to spread their wings and soar into the future.



# FINANCIAL AND NON-FINANCIAL HIGHLIGHTS

# INPUT

# **ACTIVITIES**

#### As of March 31, 2017

¥5,481.9 billion

Net assets

¥2,104.1 billion

Interest-bearing debt

¥925.5 billion

Number of employees

82,728 people

Number of patents held

22,248

Research and Development expenses

¥176.8 billion

(Year-on-year change)

Capital investment

¥158.4 billion

Energy input\*1

**5,179**<sub>TJ</sub>

27,954 people DOWN DOWN

#### Key topics in fiscal 2017

# Promoting measures to address struggling businesses

- · Accelerate measures in the MRJ and Tier 1 businesses
- · Move forward with post-merger integration (PMI) at major joint ventures
- Implement structural reforms and measures at engineering businesses

# Strengthening the financial foundations

- Ensure thorough cash flow management
- Increase balance sheet efficiency and asset management (such as by winding down cross-shareholdings)

#### Strengthening risk management

Considering and preparing the transition to a global management structure

# Initiatives Addressing Material ESG Issues

# Material

# An Optimal Governance Structure Based on Our Corporate Culture

- An optimized organization to continually contribute to society through business
- The assurance of fair operating practices and appropriate labor practices

Ensure an organizational culture in which values are shared globally and universally Strategic KPIs:

- $\bullet \ \text{Instill globally consistent policies that conform with the international code of conduct}\\$ (establish universality)
- Enhance transparency (assure universality)
- Enhance disclosure and stakeholder engagement

# Issue

# The Use of Global Human Resources

- · The attraction and development of human resources with the ability to respond to
- Diversity and equal opportunity, including the empowerment of female employees Objective:

Be an organization that embraces diversity (Ensure that barriers to diversity are removed) Strategic KPIs:

Improvement in diversity-related indicators

# Material Issue

3

#### Response to Mega Trends

- Innovation and quality control to meet global needs
- · Enhanced safety and security, including improved information disclosure and transparency

#### Objective:

Enact strategic measures and business operations that meet the needs of global society Strategic KPIs:

Improvement in stakeholder evaluations (SRI surveys, customer satisfaction surveys, etc.)

# KPI: Number of whistleblowing cases

We have established the MHI Whistleblowing Hotline, which is available to all employees, including those of Group compa nies, and the MHI External Whistleblower Hotline. The Compliance Committee secretariat promptly investigates and responds appropriately to all reports made to these hotlines.

Number of whistleblowing cases, by type			2017
Labor and the work environment	39	42	49
Overall discipline and breaches of manners	24	28	17
Transaction-related laws	8	11	11
Consultations and opinions	11	3	0
Other	49	34	36
Total (number of corrections and improvements)	131 (85)	118 (64)	113 (59)

#### KPI: Number of female managers

In July 2014, MHI set a target to increase the number of the Company's female managers (in positions of section manager and higher) threefold from the current level by 2020, and is promoting the active participation of women in the workplace in conjunction with its pursuit of diversity management.

		2017
102	126	149

\*People in positions of section manager or higher as of April 1 of each year. In principal, figures are for MHI and Mitsubishi Hitachi Power Systems, Ltd.

Please see the Company's website for details on CSR initiatives related to the environment, society, and governance (ESG).

CSR site https://www.mhi.com/csr/

# OUTCOME

Orders received ¥3,875.7 billion DOWN

Net sales

¥4,110.8 billion UP 60

Operating income

16.0% ¥126.5 billion

Greenhouse gas (CO<sub>2</sub>) emissions\*2

14.8% DOWN

EBITDA margin

7.8%

0.9 POINT DOWN

Profit attributable to owners of parent

Dividend payments (for FY2017)

NO CHANGE

¥319.1 billion

6.1% DOWN

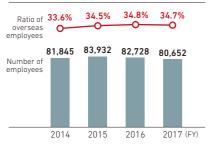
Reduction in CO<sub>2</sub> from using MHI's products (Compared with fiscal 1990 levels)

 $49,791_{\text{kilotons}} \ ^{20.5\%}_{\text{DOWN}}$ 

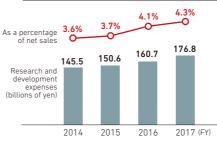
1.2 POINTS DOWN



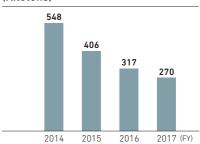
# Number of Employees/ Ratio of Overseas Employees



# Research and Development Expenses/ As a Percentage of Net Sales



# Greenhouse Gas (CO<sub>2</sub>) Emissions\*2 (Kilotons)



## Net Sales/Overseas Sales Ratio

3,992.1 4,046.8 3,914.0 4,110.8

2015

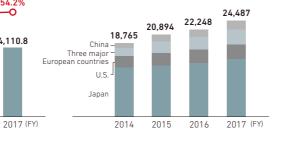
53.4%

2014

Net sales

(billions of yen)

#### Number of Patents Held\*3



## Industrial Accident Frequency Rate\*4



\*1 Data is for MHI on a non-consolidated basis (production plants and offices).

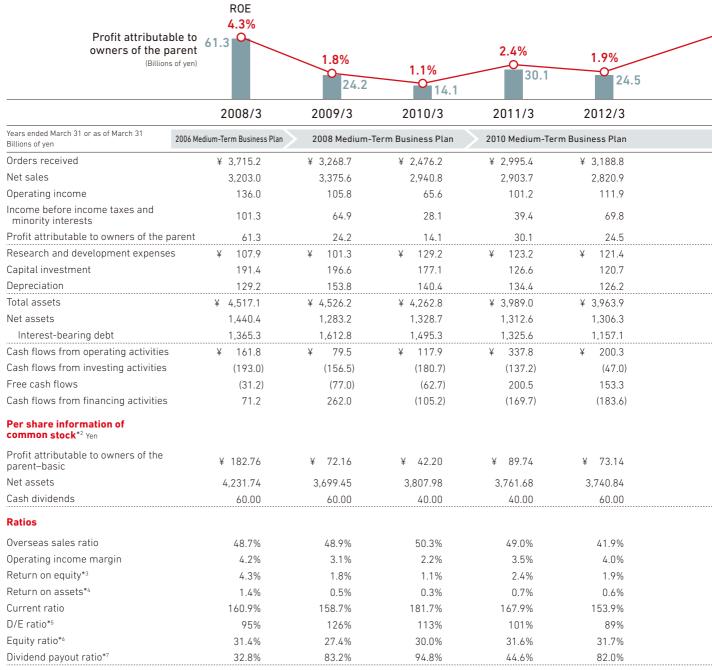
2016

- \*2 Data is for MHI on a non-consolidated basis. However, figures for fiscal 2014 include the Nagasaki, Takasago, and Yokohama plants of Mitsubishi Hitachi Power Systems, Ltd.
- \*3 Data is for MHI and major consolidated subsidiaries. The three major European countries are the United Kingdom, Germany, and France
- \*4 In principle, figures are for MHI on a non-consolidated basis and Mitsubishi Hitachi Power Systems, Ltd.

# ELEVEN-YEAR FINANCIAL AND NON-FINANCIAL DATA

Mitsubishi Heavy Industries, Ltd. and its subsidiaries

Years ended March 31



<sup>\*1</sup> U.S. dollar amounts in this report are translated from yen, for convenience only, at the rate of 106.24 = 0.5, the exchange rate prevailing at March 31, 2018.

#### Non-financial indexes

Number of employees

Number of overseas employees

Number of female managers\*8,9

Industrial accident frequency rate\*9

Energy input\*11 (TJ)

Greenhouse gas (CO<sub>2</sub>) emissions\*13 (kilotons)

Social contribution expenses (billions of yen)

The Company conducted a 1-for-10 reverse stock split on common shares on October 1, 2017. The interim dividend for fiscal 2017 and data for fiscal 2016 and earlier is calculated as if the reverse stock split had been conducted at the beginning of the respective fiscal years. Calculations of per-share data are based on these assumptions

Return on equity = profit attributable to owners of the parent / (net assets – share subscription rights – non-controlling interests)

Return on assets = profit attributable to owners of the parent / total assets

 $<sup>\</sup>label{eq:decomposition} D/E\ ratio = interest-bearing\ debt\ /\ net\ assets \\ Equity\ ratio = (net\ assets\ -\ share\ subscription\ rights\ -\ non-controlling\ interests)\ /\ total\ assets$ 

Dividend payout ratio = dividends / profit attributable to owners of the parent

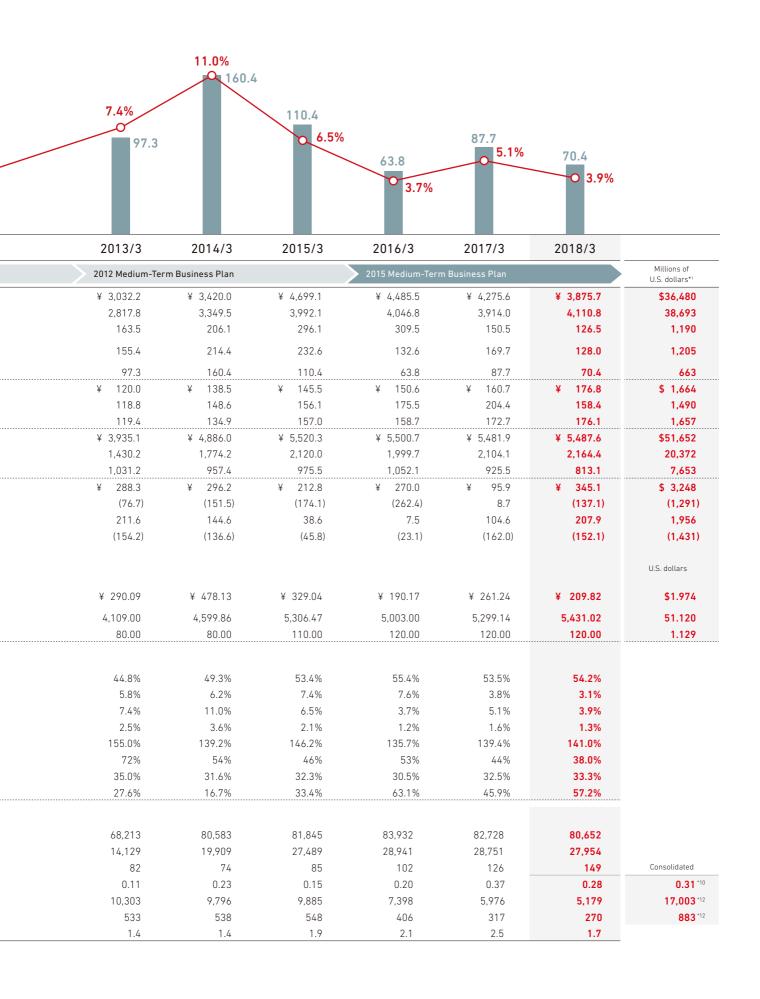
People in positions of section manager or higher as of April 1 of each year In principle, MHI and Mitsubishi Hitachi Power Systems, Ltd on a non-consolidated basis.

<sup>\*10</sup> Includes MHI on a non-consolidated basis and 23 Group companies

<sup>\*11</sup> Data is for MHI on a non-consolidated basis (production plants and offices). However, figures for fiscal 2014 include the Nagasaki, Takasago, and Yokohama plants of Mitsubishi Hitachi Power Systems, Ltd

<sup>\*12</sup> Includes MHI on a non-consolidated basis and 152 Group companies.

<sup>\*13</sup> Data is for MHI on a non-consolidated basis. However, figures for fiscal 2014 include the Nagasaki, Takasago, and Yokohama plants of Mitsubishi Hitachi Power Systems, Ltd.



# CONSOLIDATED BALANCE SHEETS

Mitsubishi Heavy Industries, Ltd. and Consolidated Subsidiaries As of March 31, 2018 and 2017

	Millions of ye	en	Thousands of U.S. dollars	
ASSETS	319,337 368,088 (8,959) 3,579,212 3,522,095  340,447 361,310 ment 234,690 262,129 47,758 64,511 179,936 179,674 5,224 5,004 59,828 62,448	2018		
Current assets:				
Cash and deposits	¥ 313,458	¥ 248,040	\$ 2,950,470	
Trade receivables	1,232,742	1.180.143	11,603,369	
Merchandise and finished products	, , ,		1,629,819	
Work in process	*		8,469,870	
Raw materials and supplies	*		1,316,095	
Deferred tax assets	108,954	114,274	1,025,545	
Indemnification asset for the South African project	400,903	294,955	3,773,559	
Other current assets	319,337	368,088	3,005,80	
Allowance for doubtful accounts	(8,998)	(8,959)	(84,69	
Total current assets	3,579,212	3,522,095	33,689,87	
N				
Non-current assets: Property, plant and equipment, net:				
Buildings and structures	340 447	361 310	3,204,508	
Machinery and transportation equipment	*		2,209,054	
Tools, equipment and furniture	*		449,529	
Land	,		1,693,67	
Leased assets	*		49,17	
Construction in progress			563,140	
Total property, plant and equipment, net	. , , , ,		8,169,088	
Intangible assets: Goodwill	105,125	120,552	989,504	
Others	107,655	128,896	1,013,318	
Total intangible assets	212,781	249,448	2,002,833	
Investments and advances:				
Investment securities	605,434	578,758	5,698,73	
Long-term loans	18,623	17,778	175,29	
Asset for retirement benefit	73,426	60,556	691,13	
Deferred tax assets	27,350	13,060	257,43	
Others	109,548	113,407	1,031,13	
Allowance for doubtful accounts	(6,608)	(8,204)	(62,198	
Total investments and advances	827,774	775,356	7,791,54	
Total non-current assets	1,908,440	1,959,883	17,963,47	
Total assets	¥5,487,652	¥5,481,978	\$51,653,350	

_	Millions of ye	en	Thousands of U.S. dollars	
LIABILITIES AND NET ASSETS	2018	2017	2018	
Liabilities:				
Current liabilities:				
Trade payables	¥ 771,324	¥ 736,502	\$ 7,260,203	
Electronically recorded obligations	106,968	99,560	1,006,852	
Short-term borrowings	229,584	205,679	2,160,993	
Current portion of long-term borrowings	68,956	97,729	649,058	
Current portion of bonds	30,000	60,000	282,379	
Income taxes payable	27,251	31,233	256,504	
Provision for product warranties	13,936	14,899	131,174	
Provision for loss on construction contracts	64,896	49,853	610,843	
Provision for loss on passenger vessel construction business	_	18,463	_	
Provision for business structure improvement	6,739	6,585	63,431	
Provision for share-based payment arrangements	781	366	7,351	
Advance payments received on contracts	899,642	777,654	8,468,015	
Other current liabilities	318,138	428,734	2,994,521	
Total current liabilities	2,538,219	2,527,262	23,891,368	
Non-current liabilities:				
Bonds	205,000	215,000	1,929,593	
Long-term borrowings	279,630	347,157	2,632,059	
Deferred tax liabilities	77,590	85,689	730,327	
Provision for stock benefits	1,148	1,247	10,805	
Provision for treatment of PCB waste	6,911	6,485	65,050	
Liability for retirement benefits	137,893	123,160	1,297,938	
Other non-current liabilities	76,789	71,858	722,788	
Total non-current liabilities	784,963	850,598	7,388,582	
Total liabilities	3,323,183	3,377,860	31,279,960	
Net assets:				
Stockholders' equity:				
Common stock, without par value:				
Authorized shares: 600,000,000				
Issued shares: 2018–337,364,781 and 2017–3,373,647,813	265,608	265,608	2,500,075	
Capital surplus	213,898	203,658	2,013,347	
Retained earnings	1,244,492	1,214,749	11,713,968	
Treasury stock (2018–1,370,499 shares and 2017–15,513,870 shares) at cost	(4,081)	(4,609)	(38,413)	
Total stockholders' equity	1,719,918	1,679,407	16,188,987	
Accumulated other comprehensive income (loss):				
Valuation difference on available-for-sale securities	100,021	100,600	941,462	
Deferred gains or losses on hedges	(880)	(1,882)	(8,283)	
Translation adjustments	(6,999)	(2,287)	(65,879)	
Remeasurements of defined benefit plans	12,732	3,683	119,841	
Total accumulated other comprehensive income (loss)	104,874	100,113	987,142	
Share subscription rights	2,129	2,536	20,039	
Non-controlling interests	337,547	322,059	3,177,211	
Total net assets	2,164,469	2,104,118	20,373,390	
Total liabilities and net assets	¥5,487,652	¥5,481,978	\$51,653,350	

# CONSOLIDATED STATEMENTS OF INCOME

Mitsubishi Heavy Industries, Ltd. and Consolidated Subsidiaries

For the fiscal years ended March 31, 2018 and 2017  $\,$ 

	Millions of y	Thousands of U.S. dollars	
_	2018	2017	2018
Net sales	¥4,110,816	¥3,914,018	\$38,693,674
Cost of sales	3,379,874	3,180,898	31,813,573
Gross profit	730,942	733,119	6,880,101
Selling, general and administrative expenses	604,412	582,576	5,689,118
Operating income	126,530	150,543	1,190,982
Non-operating income (expense):			
Interest income	4,155	3,799	39,109
Dividend income	12,211	11,637	114,937
Foreign exchange gain	_	10,213	_
Income from equity method investments	3,230	_	30,402
Gain on arbitration expenses awarded in the arbitration relating to nuclear equipment in the US	_	6,558	_
Other income	15,674	9.945	147.533
Interest expense	(9,036)	(11,461)	(85.052)
Foreign exchange loss	(10,385)	(11,401)	(97,750)
Loss from equity method investments	(10,303)	(22,845)	(77,730)
Loss on disposal of fixed assets	(7,022)	(7.627)	(66,095)
Other expenses	(20,896)	(26,470)	(196,686)
Total non-operating income (expense)	(12,067)	(26,249)	(113,582)
Ordinary income	114,462	124,293	1,077,390
Extraordinary gain (loss):			
Gain on sales of investment securities	31,303	61,047	294,644
Gain on sales of fixed assets	_	53,861	_
Business structure improvement expenses	(14,548)	(12,810)	(136,935)
Impairment loss	(3,174)	_	(29,875)
Loss on passenger vessel construction business provision		(34,323)	_
Compensation for damages decided in the arbitration relating to nuclear equipment in the US	_	(16,076)	_
Loss on revaluation of investment securities	_	(6,272)	_
Total extraordinary gain (loss)	13,579	45,424	127,814
Profit before income taxes	128,042	169,718	1,205,214
Income taxes:			
Current	63,184	49,856	594,728
Deferred	(31,315)	14,584	(294,757)
Total income taxes	31,868	64,440	299,962
Profit	96,173	105,278	905,242
Profit attributable to non-controlling interests	25,689	17,557	241,801
Profit attributable to owners of the parent	¥ 70,484	¥ 87,720	\$ 663,441

	Ye	U.S. dollars	
Per share information of common stock:	2018	2017	2018
Profit attributable to owners of the parent - basic	¥209.82	¥261.24	\$1.975
Profit attributable to owners of the parent - diluted	209.39	260.71	1.971
Cash dividends	_*	12.00	_

<sup>\*</sup> The Company conducted a 1-for-10 reverse stock split on common shares on October 1, 2017. Taking this reverse stock split into account, dividends for fiscal 2017 amount to ¥120 per share.

# CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME

Mitsubishi Heavy Industries, Ltd. and Consolidated Subsidiaries For the fiscal years ended March 31, 2018 and 2017

	Millions of ye	en	Thousands of U.S. dollars
	2018	2017	2018
Profit	¥ 96,173	¥105,278	\$905,242
Other comprehensive income (loss):			
Valuation difference on available-for-sale securities	(648)	60,914	(6,099
Deferred gains or losses on hedges	2,488	3,676	23,418
Translation adjustments	(1,790)	(23,946)	(16,848
Remeasurements of defined benefit plans	9,501	20,893	89,429
Share of other comprehensive income (loss) of entities accounted for by the equity method	(857)	(6,165)	(8,066)
Total other comprehensive income (loss)	8,694	55,371	81,833
Comprehensive income (loss)	¥104,868	¥160,649	\$987,085
Comprehensive income (loss) attributable to:			
Owners of the parent	¥ 75,244	¥152,495	\$708,245
Non-controlling interests	29,623	8,154	278,830

# CONSOLIDATED STATEMENTS OF CHANGES IN NET ASSETS

Mitsubishi Heavy Industries, Ltd. and Consolidated Subsidiaries

For the fiscal years ended March 31, 2018 and 2017  $\,$ 

-					Mil	lions of yen							
-		St	ockholders' equ	ity	19110	51 7011	Accumulate	ed other compr	ehensive income				
-	Common stock	Capital surplus	Retained earnings	Treasury stock	Total stockholders' equity	Valuation differ- ence on avail- able-for-sale securities	Deferred gains or losses on hedges	Translation adjustments	Remeasurements of defined benefit plans	Total accumulated other comprehensive income	Share subscription rights	Non- controlling interests	Total net assets
Balance as of March 31, 2016	¥265,608	¥203,951	¥1,173,053	¥(4,771)	¥1,637,842	¥ 40,108	¥ 3,044	¥ 17,762	¥(18,998)	¥ 41,917	¥2,616	¥317,360	¥1,999,737
Cumulative effects of changes in accounting policies					_		(6,578)			(6,578)			(6,578
Restated Balance	¥265,608	¥203,951	¥1,173,053	¥(4,771)	¥1,637,842	¥ 40,108	¥(3,533)	¥ 17,762	¥(18,998)	¥ 35,338	¥2,616	¥317,360	¥1,993,158
Cash dividends			(40,291)		(40,291)								(40,291
Profit attributable to owners of the parent			87,720	-	87,720								87,720
Changes in scope of consolidation			(333)		(333)								(333)
Changes in scope of equity method			(5,398)		(5,398)								(5,398)
Changes in treasury stock of the parent arising from transactions with non-controlling shareholders		(398)			(398)								(398
Purchase of treasury stock	_			(81)	(81)	•	•	•		•	•		(81)
Disposal of treasury stock		104		243	348								348
Net changes in items other than stockholders' equity	_	-			•	60,491	1,651	(20,049)	22,682	64,774	(80)	4,699	69,394
Subtotal	_	(293)	41,696	161	41,564	60,491	1,651	(20,049)	22,682	64,774	(80)	4,699	110,959
Balance as of March 31, 2017	¥265,608	¥203,658	¥1,214,749	¥(4,609)	¥1,679,407	¥100,600	¥(1,882)	¥ (2,287)	¥ 3,683	¥100,113	¥2,536	¥322,059	¥2,104,118
Cash dividends			(40,305)		(40,305)				_	_			(40,305
Profit attributable to owners of the parent			70,484	•	70,484								70,484
Changes in scope of consolidation			(681)	•	(681)					_			(681
Changes in scope of equity method	_		246	_	246								246
Changes in treasury stock of the parent arising from transactions with non-controlling shareholders		10,077		0	10,077								10,077
Purchase of treasury stock				(21)	(21)		•	•					(21
Disposal of treasury stock		162		549	711			•	•				711
Net changes in items other than stockholders' equity	_					(578)	1,002	(4,712)	9,048	4,760	(407)	15,487	19,840
Subtotal	_	10,239	29,743	528	40,511	(578)	1,002	(4,712)	9,048	4,760	(407)	15,487	60,351
Balance as of March 31, 2018	¥265,608	¥213,898	¥1,244,492	¥(4,081)	¥1,719,918	¥100,021	¥ (880)	¥(6,999)	¥12,732	¥104,874	¥2,129	¥337,547	¥2,164,469

	Thousands of U.S. dollars												
	Stockholders' equity			Accumulated other comprehensive income									
	Common stock	Capital surplus	Retained earnings	Treasury stock	Total stockholders' equity	Valuation differ- ence on avail- able-for-sale securities	Deferred gains or losses on hedges	Translation adjustments	Remeasurements of defined benefit plans		Share subscription rights	Non- controlling interests	Total net assets
Balance as of March 31, 2017	\$2,500,075	\$1,916,961	\$11,434,007	\$(43,382)	\$15,807,671	\$946,912	\$(17,714)	\$(21,526)	\$ 34,666	\$942,328	\$23,870	\$3,031,428	\$19,805,327
Cash dividends			(379,376)		(379,376)								(379,376)
Profit attributable to owners of the parent		•	663,441	•	663,441	•				•		•	663,441
Changes in scope of consolidation		•	(6,410)	•	(6,410)		•					•	(6,410)
Changes in scope of equity method			2,315		2,315								2,315
Changes in treasury stock of the parent arising from transactions with non-controlling shareholders		94,851		0	94,851								94,851
Purchase of treasury stock			-	(197)	(197)					-		-	(197)
Disposal of treasury stock		1,524	•	5,167	6,692		•			-			6,692
Net changes in items other than stockholders' equity						(5,440)	9,431	(44,352)	85,165	44,804	(3,830)	145,773	186,746
Subtotal	_	96,376	279,960	4,969	381,315	(5,440)	9,431	(44,352)	85,165	44,804	(3,830)	145,773	568,062
Balance as of March 31, 2018	\$2,500,075	\$2,013,347	\$11,713,968	\$(38,413)	\$16,188,987	\$941,462	\$ (8,283)	\$(65,879)	\$119,841	\$987,142	\$20,039	\$3,177,211	\$20,373,390

# CONSOLIDATED STATEMENTS OF CASH FLOWS

Mitsubishi Heavy Industries, Ltd. and Consolidated Subsidiaries For the fiscal years ended March 31, 2018 and 2017

			Thousands of U.S. dollars	
	Millions of yen			
	2018	2017	2018	
Cash flows from operating activities:				
Profit before income taxes	¥128,042	¥ 169,718	\$1,205,214	
Adjustments to reconcile profit (loss) before income taxes				
to net cash provided by operating activities:	17/ 10/	170 7/0	1 / 57 / 05	
Depreciation and amortization	176,104	172,762	1,657,605 29.875	
Impairment loss	3,174	1/5/0	***	
Amortization of goodwill	16,484	16,568	155,158	
Increase (decrease) in liability for retirement benefits	6,612	(1,093)	62,236	
Interest and dividend income	(16,366)	(15,437)	(154,047)	
Interest expense	9,036	11,461	85,052	
Foreign exchange loss (gain)	(2,239)	(8,337)	(21,074)	
(Income) loss from equity method investments	(3,230)	22,845	(30,402)	
(Gain) loss on sales of investment securities	(31,303)	(61,047)	(294,644)	
Loss on revaluation of investment securities	372	6,272	3,501	
(Gain) loss on sales of fixed assets	(1,693)	(53,861)	(15,935)	
Loss on disposal of fixed assets	7,022	7,627	66,095	
Gain on negative goodwill	(45)	_	(423)	
Business structure improvement expenses	14,548	12,810	136,935	
Loss on passenger vessel construction business provision	-	34,323	-	
(Increase) decrease in receivables	(42,093)	(11,002)	(396,206)	
(Increase) decrease in inventories and advances to suppliers	126,965	(121,023)	1,195,077	
(Increase) decrease in other assets	(110,734)	(117,552)	(1,042,300)	
Increase (decrease) in payables	41,733	(14,261)	392,818	
Increase (decrease) in advance payments received on contracts	118,648	39,375	1,116,792	
Increase (decrease) in other liabilities	(54,039)	52,556	(508,650)	
Others	(15,908)	(3)	(149,736)	
Subtotal	371,089	142,703	3,492,931	
Interest and dividends received	21,470	20,270	202,089	
Interest paid	(8,456)	(12,185)	(79,593)	
·	(38,994)	(54,875)	(367,036)	
Income taxes paid				
Net cash provided by (used in) operating activities  Cash flows from investing activities:	345,109	95,913	3,248,390	
•	(E 0/0)	2.521	(55,054)	
Net (increase) decrease in time deposits	(5,849)	**		
Purchases of property, plant and equipment and intangible assets	(165,168)	(200,185)	(1,554,668)	
Proceeds from sales of property, plant and equipment and intangible assets	8,231	97,013	77,475	
Purchases of investment securities	(104,514)	(5,033)	(983,753)	
Proceeds from sales and redemption of investment securities	112,122	17,376	1,055,365	
Proceeds from sales of investments in subsidiaries	4.000	100 / 2 /	47.00/	
that result in change in scope of consolidation	1,900	102,436	17,884	
Payment for sales of investments in subsidiaries	(928)	(849)	(8,734)	
that result in change in scope of consolidation	• • • • • • • • • • • • • • • • • • • •	(047)		
Proceeds from transfer of business	1,400	(40.004)	13,177	
Disbursement of long-term loans	(1,993)	(10,996)	(18,759)	
Collection of long-term loans	15,898	13,868	149,642	
Others	1,719	(7,440)	16,180	
Net cash provided by (used in) investing activities	(137,181)	8,712	(1,291,236)	
Cash flows from financing activities:				
Net increase (decrease) in short-term borrowings and commercial papers	25,963	(132,340)	244,380	
Proceeds from long-term borrowings	6,449	60,206	60,702	
Repayment of long-term borrowings	(96,841)	(62,804)	(911,530)	
Proceeds from issuance of bonds	20,000	30,000	188,253	
Payment for redemption of bonds	(60,000)	(20,000)	(564,759)	
Proceeds from issuance of stock to non-controlling shareholders	519	445	4,885	
Dividends paid to stockholders	(40,206)	(40,283)	(378,445)	
Dividends paid to non-controlling shareholders	(6,128)	(2,682)	(57,680)	
Others	(1,868)	5,381	(17,582)	
Net cash provided by (used in) financing activities	(152,113)	(162,078)	(1,431,786)	
		1,060	15,126	
	1.607		,	
Effect of exchange rate changes on cash and cash equivalents	1,607 57.422		540.493	
Effect of exchange rate changes on cash and cash equivalents	57,422	(56,392)	540,493	
Effect of exchange rate changes on cash and cash equivalents  Net increase (decrease) in cash and cash equivalents	57,422	(56,392)		
Effect of exchange rate changes on cash and cash equivalents  Net increase (decrease) in cash and cash equivalents  Cash and cash equivalents at the beginning of the year	57,422 242,404		2,281,664	
Effect of exchange rate changes on cash and cash equivalents	57,422	(56,392)		

# **CORPORATE DATA**

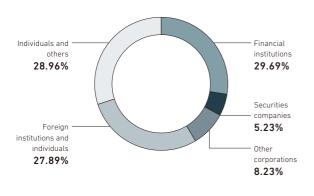
As of March 31, 2018

Head Office:	16-5, Konan 2-chome, Minato-ku, Tokyo 108-8215, Japan Phone: +81-3-6716-3111
Established:	January 11, 1950
Paid-in Capital:	¥265.6 billion
Total Number of Issuable Shares:	600,000,000
Total Number of Shares Issued:	337,364,781
Number of Shareholders:	270,890
Number of Employees:	80,652 (Consolidated)
	14,717 (Non-consolidated)

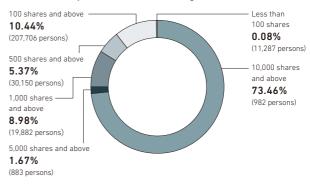
Stock Listings:	Tokyo, Nagoya, Fukuoka, and Sapporo Stock Exchanges			
Ticker Code:	7011			
Manager of the Register of Shareholders:	Mitsubishi UFJ Trust and Banking Corporation 4-5, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8212, Japan			
Independent Auditors:	KPMG AZSA LLC 1-2 Tsukudo-cho, Shinjuku-ku, Tokyo 162-8551, Japan			

Major Shareholders	Number of shares owned by major shareholders	Shareholder Composition (%)
The Master Trust Bank of Japan, Ltd. (Trust Account)	16,478,900	4.88
Japan Trustee Services Bank, Ltd. (Trust Account)	11,603,300	3.43
Meiji Yasuda Life Insurance Company	8,002,274	2.37
The Nomura Trust and Banking Co., Ltd. (Retirement Benefit Trust Account for The Bank of Tokyo-Mitsubishi UFJ, Ltd.)	6,526,300	1.93
Japan Trustee Services Bank, Ltd. (Trust Account 5)	6,404,400	1.89
State Street Bank West Client - Treaty 505234	6,212,881	1.84
Mizuho Securities Co., Ltd.	6,108,020	1.81
Japan Trustee Services Bank, Ltd. (Trust Account 9)	5,396,500	1.59
Japan Trustee Services Bank, Ltd. (Trust Account 1)	4,760,000	1.41
Japan Trustee Services Bank, Ltd. (Trust Account 2)	4,686,000	1.38

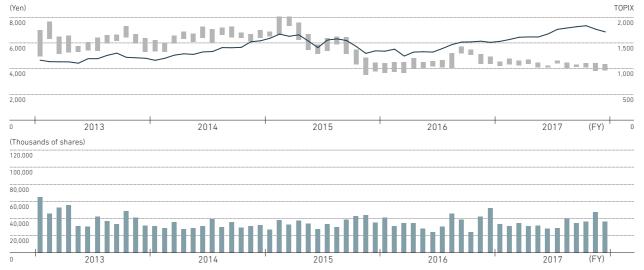
# Classified by Type of Shareholder



# Classified by Number of Holdings



# Stock Price Range and Trading Volume (Tokyo Stock Exchange) MHI common stock price range — TOPIX



Note: The Company conducted a 1-for-10 reverse stock split on common shares on October 1, 2017. Data on share price and trading volumes for periods prior to this date has been retroactively calculated as if the reverse stock split had taken place previously.

# **GLOBAL NETWORK**



#### Overseas Head Offices and Networks

#### North America

- 1 Mitsubishi Heavy Industries America, Inc.
- 2 MHI Shared Services Americas, Inc.

# Latin America

- 3 Mitsubishi Industrias Pesadas do Brasil Ltda.
- 4 Mitsubishi Heavy Industries Mexicana, S.A. de C.V.

# **Europe and CIS**

- 5 Mitsubishi Heavy Industries France S.A.S.
- 6 Mitsubishi Heavy Industries Europe, Ltd.
- 7 MHI Russia LLC

## Africa

8 MHI Technologies S.A.E

## Asia and Oceania

- 9 Mitsubishi Heavy Industries (China) Co., Ltd.
- 10 Mitsubishi Heavy Industries (Shanghai) Co., Ltd.
- 11 Mitsubishi Heavy Industries, (Hong Kong) Ltd.
- 12 Mitsubishi Heavy Industries Asia Pacific Pte. Ltd.
- 13 Mitsubishi Heavy Industries (Thailand) Ltd.
- 14 Mitsubishi Heavy Industries India Private Ltd.
- 15 MHI Australia, Pty. Ltd.

#### Overseas Offices

#### **Europe and CIS**

16 Turkey Liaison Office

## Middle East

17 Middle East Office

# Asia and Oceania

- 18 Taipei Office
- 19 Hanoi Liaison Office
- 20 Ho Chi Minh City Liaison Office
- 21 Kuala Lumpur Office
- 22 Jakarta Liaison Office

# **HISTORY**

# Establishment: Pre-WWII—Helping Japan along the Path to Becoming a Modern Nation



Nagasaki Shipyard & Machinery Works (1884)

The history of MHI begins with our 1884 start of a full-fledged shipbuilding business in Nagasaki. After that point, we made rapid progress as we pursued the advances taking place in Europe and the United States. In addition to shipbuilding, we drove our growth by building automobiles, aircraft, turbines, and internal-combustion engines. Later, we also turned our world-leading technologies to the manufacture of products to meet military demand, such as battleships and fighters.

# Post-WWII: High-Growth Period—A Key Player in Turning Japan into a Nation of Abundance



Tower parking garage (1963)

Post-war, in 1950, in line with the GHQ's policy of dissolving large industrial groups (*zaibatsu*), MHI was divided into three independent and competing companies. In addition to providing such heavy equipment as tankers and gas turbines, we supported Japan's reconstruction across a broad range of product fields, including motor scooters and air conditioners. The three companies integrated in 1964, and we played a role in Japan's rapid economic growth through the development and production of such social infrastructure as power plants and bridges as well as container carriers, monorail systems, and other transportation equipment.

## Slowing Japanese Economic Growth—Stagnating Growth as the Japanese Economy Slows



Successful launch of the first H-I launch vehicle (1986)

The 1973 oil crisis marked the end of Japan's rapid economic growth and had a major impact on MHI's business, particularly in shipbuilding. After that point, we established an industrial machinery business and enjoyed steady expansion until Japan again entered a period of slow growth following the bursting of its economic bubble. During that period, we succeeded in launching rockets and expanded our business domains to include aerospace. Although we continued to hone our leading-edge technologies, annual net sales remained around the ¥3 trillion level for approximately 30 years.

# Toward an Era of Sustainability and Diversity—Pursuit of New Growth by Becoming a Global Company



A "J-Series" gas turbine achieved the world's highest turbine inlet temperature 1,600°C, during verification testing. (2011)

Although growth in Japan has leveled off, the economies of overseas emerging countries have been expanding rapidly, pushing up demand for infrastructure development. Also, amid a growing sense of crisis about climate change and the depletion of natural resources, environmental protection has become a consistent theme worldwide.

For MHI, which has supplied diverse infrastructure over many years and pursued environmentally friendly technologies since the oil crisis, this situation has presented new opportunities for growth, and we are pursuing the path to becoming a global company.

# STATUS OF IR ACTIVITIES

# **Briefings for Individual Investors**

We hold briefings for individual investors in locations throughout Japan, centered on the major cities. In these meetings, we provide a corporate overview and explain our business strategies, shareholder returns, CSR initiatives, and other topics. We also conduct factory tours for individual investors on an ad hoc basis.

# **Briefings for Analysts and Institutional Investors**

We conduct financial results briefings each quarter, where the CFO explains performance details. At the fiscal 2017 financial results briefing in May 2018, the president also explained about the 2018 Business Plan, a three-year medium-term business plan beginning in fiscal 2018. In addition, we hold business strategy briefings, small meetings, and factory tours on an ad hoc basis.

# Meetings with Overseas Investors

We visit overseas investors located in North America, Europe, and Asia, explaining our operating performance, management strategies, and other information. Several times each year, we also participate in conferences held in Japan and overseas.

# Status of Inclusion in ESG Indexes (As of August 2018)



Dow Jones
Sustainability Indices
In Collaboration with RobecoSAM



We have been chosen for inclusion in the FTSE Blossom Japan Index, an ESG index comprising companies that excel in their response to the environment, society, and governance.

We have been selected for inclusion in the Asia Pacific Index, an Asia Pacific regional index for the Dow Jones Sustainability Index (DJSI), a global stock index for socially responsible investing (SRI).

We have been selected for inclusion in the MSCI Japan Empowering Women (WIN) index. This ESG index is composed of those top-500 Japanese companies by market value that are included in various categories within the international industry classification standards and excel at gender diversity.



This year marks our fifth publication of the MHI Report.

In this edition, we communicate our vision for contributing to people's lives in order to remain a company whose ongoing existence is considered necessary by society. Based on consistent targets for realizing this vision, we attempt to portray how individual resources function organically within the Company.

We hope that this report will serve as a tool for promoting an understanding of the Company among shareholders and investors, as well as a tool for dialogue.

We look forward to hearing your frank opinions.

August 2018,

Investor Relations & Shareholder Relations Department

MITSUBISHI HEAVY INDUSTRIES, LTD.