

Status of 2015 Medium-Term Business Plan

February 2, 2017

Mitsubishi Heavy Industries, Ltd.

Shunichi Miyanaga, President and CEO



Contents



I. FY2016 Forecast	-	3
II. Progress of Main Measures	-	6
1. Overall Evaluation	-	7
2. Reorganization of Domains	-	9
3. Commercial Aircraft Business	-	11
4. Radical Reform of Commercial Ship Business	-	13
5. Three Major Joint-Venture Businesses	-	15
III. Summary (Toward Achievement of 2015 Business Plan)	-	19
(Reference Materials) 1. Accelerate Concentration into Core Competencies 2. Target Scope of Engineering Business, etc.	_	24

MOVE THE WORLD FORW>RD MIT

MITSUBISHI HEAVY INDUSTRIES GROUP

I. FY2016 Forecast



- Orders received, net sales and operating income may drop somewhat due to booking delays and other factors.
- The outlook for net income, FCF, etc. remains unchanged from when 1H results were announced, due primarily to asset management impact. (However, SONGS continues to be a variable factor.)

	FY2015	FY2016 Forecast (billions of yen)					
	Actual	Previous*		Current			
Orders received	4,485.5	4,800.0		4,800.0			
Net sales	4,046.8	4,000.0	100 billion yen due to booking delay	4,000.0			
Operating income (Margin)	309.5 (7.6%)	240.0 (6.0%)	Risk of weakening due to sales fluctuations and other factors	240.0 (6.0%)			
Net income	63.8	100.0		100.0			
FCF	7.5	100.0	Excluding SONGS, nearly unchanged	100.0			
ROE	3.7%	5.8%		5.8%			
Foreign exchange r	ates 119.7 yen/\$ 132.6 yen/€			110 yen/\$ 120 yen/€			
© 2017 MITSUBISHI HEAVY IN	© 2017 MITSUBISHI HEAVY INDUSTRIES, LTD. All Rights Reserved.						



(in billion yen)

	FY2016					Status of domains			
		Operating	Current for	recast (A)	1Q-3Q R	esult (B)	A-E	3	Energy & Environment
	Net sales	income	Net sales	Operating income	Net sales	Operating income	Net sales	Operating income	Slight risk of change in operating income due to
Energy & Environment	1,542.7	154.6	1,550.0	160.0	993.2	44.5	556.8	115.5	booking of service-related construction, etc.
Commercial Aviation & Transportation Systems	548.5	54.5	500.0	-25.0	360.5	-28.3	139.5	3.3	Commercial Aviation & Transportation Systems Overall level unchanged from
Integrated Defense & Space Systems	485.0	25.7	450.0	28.0	310.1	19.1	139.9	8.9	when 1H results were announced, although forex fluctuations, etc. may affect some businesses.
Machinery, Equipment & Infrastructure	1,432.3	80.0	1,450.0	85.0	1,015.4	37.8	434.6	47.2	Integrated Defense & Space Systems Unchanged from when 1H
Others	177.3	12.6	160.0	12.0	119.7	6.5	40.3	5.5	results were announced.
Eliminations or Corporate	-139.2	-18.1	-110.0	-20.0	-104.8	-11.3	-5.2	-8.7	Machinery, Equipment & Infrastructure Net sales and operating income
Total	4,046.8	309.5	4,000.0	240.0	2,694.2	68.4	1,305.8	171.6	may still decline in tandem with booking delays to next fiscal yea

II. Progress of Main Measures

- 1. Overall Evaluation
- 2. Reorganization of Domains
- 3. Commercial Aircraft Business
- 4. Radical Reform of Commercial Ship Business
- 5. Three Major Joint-Venture Businesses

MITSUBISHI

USTRIES

II. 1. Overall Evaluation -1



	Results	Challenges
Business scale	 From original 3 trillion yen, expanded beyond 4 trillion yen thanks to proactive M&A initiatives 	 Some uncertainty around achieving 5 trillion yen scale Delayed growth in core businesses owing to market sluggishness Accelerating declines in orders for commercial aircraft (Tier1) and commercial ships
Earning capacity	 Operating income/EBITDA have been lifted through structural reforms and advances in portfolio management Operating income: 2012 5.8% → 2015 7.6% EBITDA margin: 2012 10.0% → 2015 11.9% 	 Slow growth in operating income ratio (FY2016 forecast: 6% [vs. 8.0% target]) Deterioration in earnings of Commercial Aviation & Transportation Systems domain, etc. Delayed growth in earnings from core products (power generation systems, etc.)
Financial foundation	 Decreases in interest-bearing debt and D/E ratio, from thorough cash flow management and asset management (liquidation of non- core assets) 	Challenges for achieving targeted increase in equity capital Deterioration exceeding factored-in cruise ship losses, MRJ development, etc. (recovery to require approx. 2 years)
Organizational efficiency	 Promotion of BPO of service operations Printing & copying (FXSVL), Overseas salary/attendance management (IBM) 17 business transfers completed (including minority investment JVs) (2013 through FY2016-3Q) * See p.25-26 	 Delayed efficiency improvements in indirect management sectors One reason for delayed achievement of earning capacity enhancement target Insufficient strengthening of global response capability in tandem with clarification of local functions

M&A: Mergers & Acquisitions EBITDA: Earning Before Interest, Taxes, Depreciation and Amortization BPO: Business Process Outsourcing FXSVL: Fuji XEROX Service Link MRJ: Mitsubishi Regional Jet



External factors

- Political/economic uncertainty worldwide (reaction against globalism, etc.) and increasing opacity of future prospects
 - -- Risk management and agile response to business opportunities are needed.
- Declining investment along with slump in prices of oil and other resources
- ·Falling demand for aircraft, commercial ships, etc.

Internal factors

- Insufficient ability to adapt to changes in market structure and rapid economic fluctuations
 - Delayed organizational efficiency enhancement
 - Insufficient production elasticity and human resources liquidity
- Delayed PMI at major JVs
- Insufficient ability to develop and maintain overseas markets

2015 Business Plan will be difficult to achieve in FY2016 based on current measures alone
 MHI currently focusing on additional measures described below; organization and systems for promoting those measures are now being considered

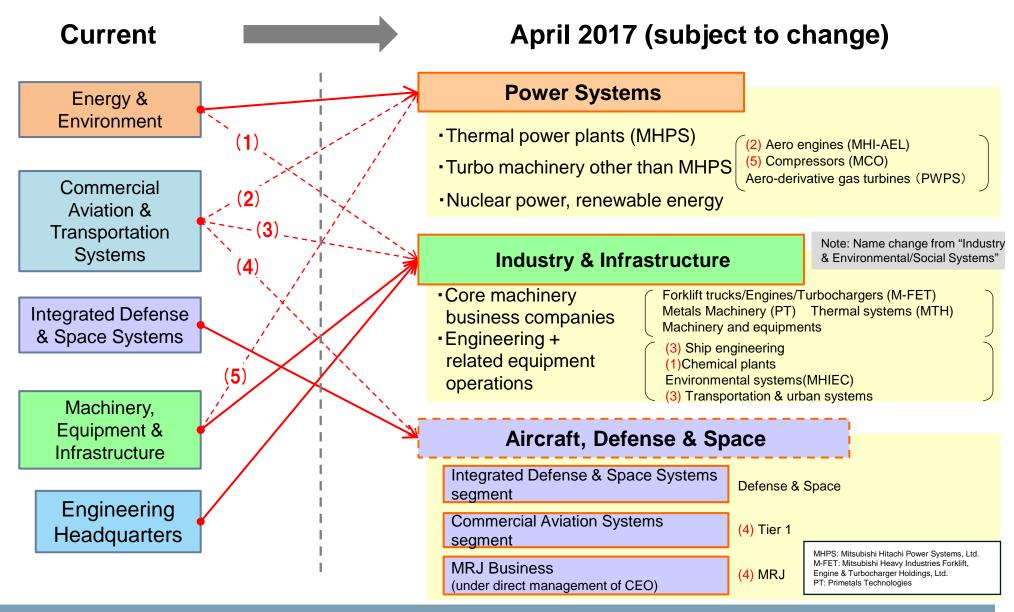
Additional measures

- Reorganization of domains (rearrangement of SBUs)
- Promotion of radical reforms in commercial aircraft and commercial ship businesses
- Further acceleration of PMI of major JV businesses



Organization and systems for promoting these additional measures are under consideration (p.21-22) Reorganization of Domains (Aims and Basic Strategies) (1)







Reasons for Reorganization

•Maintain goals of current 4-domain system

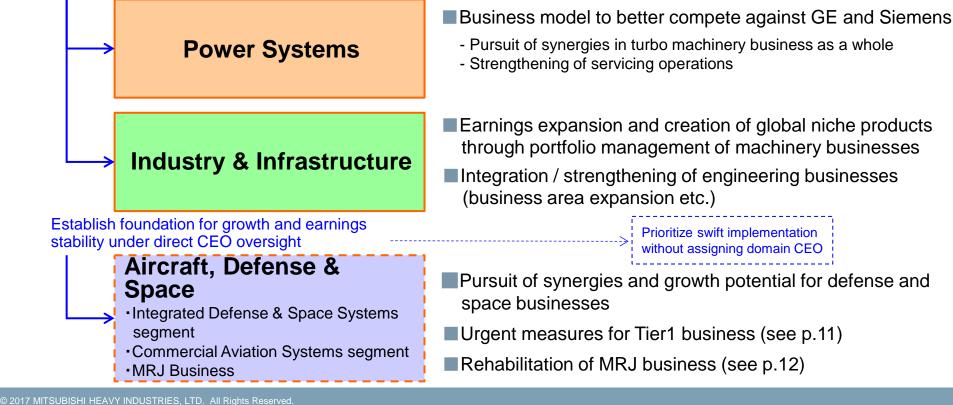
 Customer/market oriented Minimize top-down business operation

+

• Domain configuration helps clarify management concepts and roles in MHI Group's growth

Roles and management concepts of each domain

Sustained contribution to earnings / stable growth (autonomous management in line with domain's unique characteristics)





(1) Tier 1 business

→ Production volumes are projected to continue declining through the near term. The following radical emergency measures are being implemented.

Major improvement of production lines

- Accelerate actions against aging of Oye parts factory
 - Modernization of equipment / Formation of integrated production lines
 - → Includes reconfiguration to Kobe/Hiroshima areas
 - •Introduction of robotics, AI technology, etc.

Review supply chain and reinforce business structure

Reform procurement processes through transfer of procurement functions (supplier concentration, etc.)



After review

Value Chain Headquarters Commercial Aircraft Procurement Center (new)

[Organizational restructuring to be carried out in April 2017]

Consideration of utilizing redundant personnel

- Strengthen production elasticity
- Improve fluidity of overall Group human resources

Specific measures now being formulated



- Strengthen cost competitiveness (target: 20% reduction)
- Further improve quality and delivery aspects through modernization of equipment, etc.
- Secure elastic production and procurement response capability



(2) MRJ Business (Outline announced on January 23)

- Changes to delivery schedule of first aircraft
 - → Target: end-2019 Outlook: mid-2020 (previous outlook: mid-2018)
- Complete the development of the world's most sophisticated regional jet by strengthening business promotion structure

→ Under direct management of CEO, expand use of international experts, innovate production processes, create specialized development teams and implement future differentiation technologies

- Strengthen relations (customer, partner, relevant institutions), marketing strategies and market responses
- Building sufficient response capability as a Group to increasing development costs and longer investment return periods
- · Determination to undertake commercial aircraft business as a Group



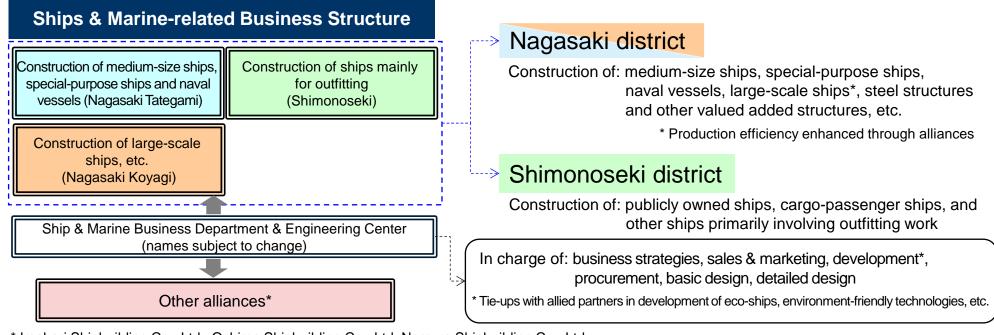
© 2017 MITSUBISHI HEAVY INDUSTRIES, LTD. All Rights Reserved.

II. 4. Radical Reform of Commercial Ship Business (1)



(1) Aims of new structure

- Specialized management by spinning off businesses (now in planning)
 - (→ Agile organization, swift decision-making, clarification of responsibility for securing profits, etc.)
- Cost reductions through alliances with other companies
- → Effective production methods and joint purchasing / commonization of purchased items
- •Near-term targets: FY2020 Business scale: 150 billion yen Operating margin: 6%
 - Address low activity level at Nagasaki in FY2018-20



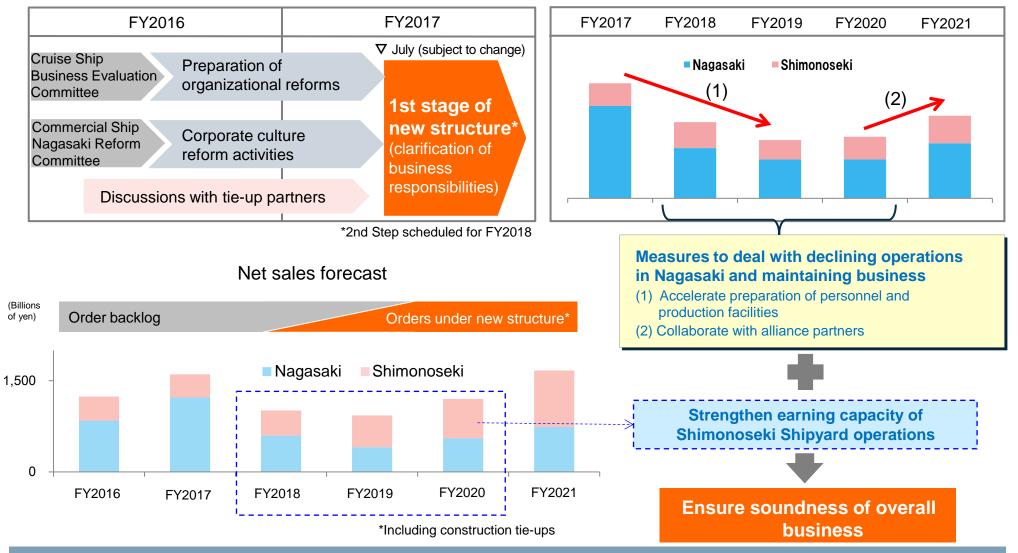
* Imabari Shipbuilding Co., Ltd., Oshima Shipbuilding Co., Ltd. Namura Shipbuilding Co., Ltd.

II. 4. Radical Reform of Commercial Ship Business (2)



(2) Overall schedule, operation and sales forecasts, etc.

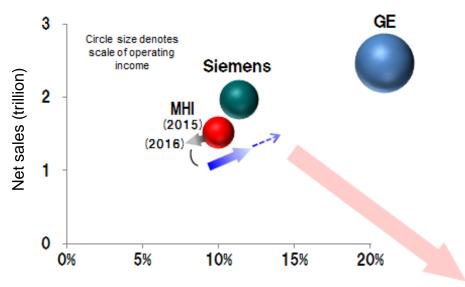
Operations forecast from FY2017 (manufacturing division)





(1) MHPS (1/2)

Comparisons with power divisions of competing companies (net sales, earning capacity)



Operating Margin

MHI (Power Systems business + MHPS) continues to lag behind GE and Siemens in business scale and earning capacity

Areas in which MHI should learn from competitors, to be improved and strengthened

- Management that enables sustained growth, even while focusing on short-term profits
 - \rightarrow Consider examples from GE
- · Diversified and dynamic local sales strength
 - → Especially servicing operations
- Highly efficient global production and procurement systems

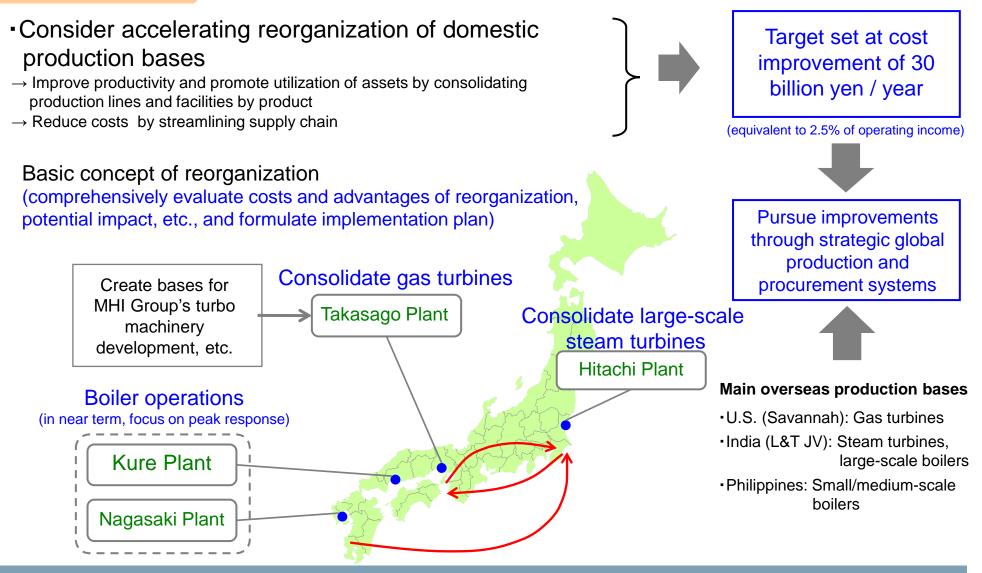
→ Response measures described on next page

Numerical targets for improvement (MHPS)

	MHI	Siemens	GE	
Period	Apr 2015-	Oct 2015-	Jan-Dec 2015	
	Mar 2016	Sep 2016		
Exchange rate		¥120/€	¥115/\$	
				·

	2016 outlook	2018 target	2020 target
Net sales (trillion)	1.1	1.3	Over 1.5
Operating income (margin) (billion)	100 (9%)	150 (12%)	200 (14%)

(2) MHPS (2/2)



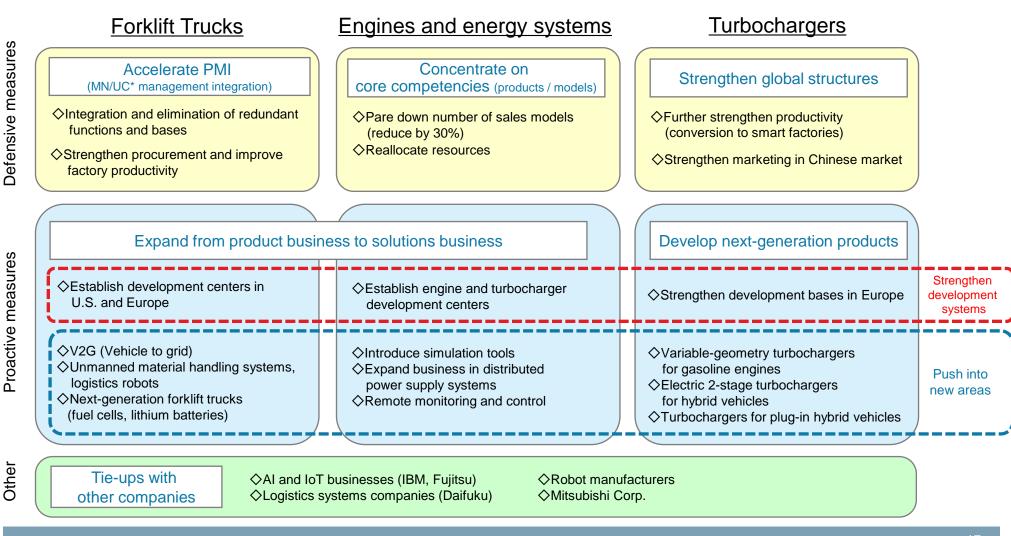
L&T:Larsen & Toubro





(2) Mitsubishi Forklift, Engine & Turbocharger Holdings

Now processing current PMI plan ahead of schedule (actions applying lessons learned from delayed PMI at MHPS and PT)



 $\ensuremath{\textcircled{\sc 0}}$ 2017 MITSUBISHI HEAVY INDUSTRIES, LTD. All Rights Reserved.

MN: Mitsubishi Nichiyu Forklift Co., Ltd. UC: UniCarriers Corporation

MHPS: Mitsubishi Hitachi Power Systems, Ltd. P



(3) Primetals Technologies

Market situation and response status

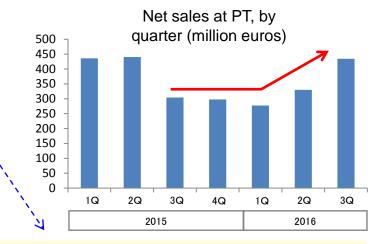
- After market deterioration that exceeded expectations, signs of bottoming-out in some areas (see graph)
- Gradual expansion of market for remodeling/maintenance services
 - \rightarrow Providing customer-oriented lifecycle services through establishment of JVs, etc.

Further acceleration of PMI

- Realize organization that generates profits even at the current business scale (1.5 billion euros)
- ·Consolidation of global corporate divisions and organization (from 26 to 9) (completed)
- Consolidation of business segments (from 10 to 7) (completed)
- Enhance efficiency of production bases (reorganization, etc. now in progress)

Establishment of electric control JV by MHI and PT

 \rightarrow Effective use of MHI network



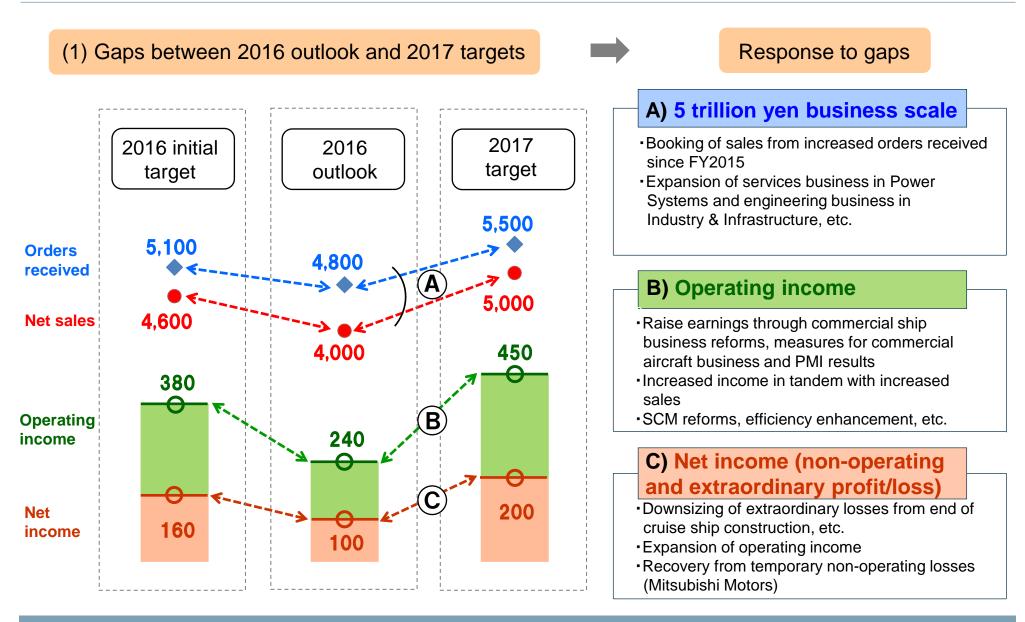
*[Major orders received in 3rd guarter of 2016]

- ·Bangladesh/GPH Ispat: minimill (electric furnace + continuous rolling line)
- India/JSW Steel: Remodeling of continuous process of acid cleaning and cold rolling equipment
- · Poland/Arcelor Mittal: top gas pressure recovery turbine plant



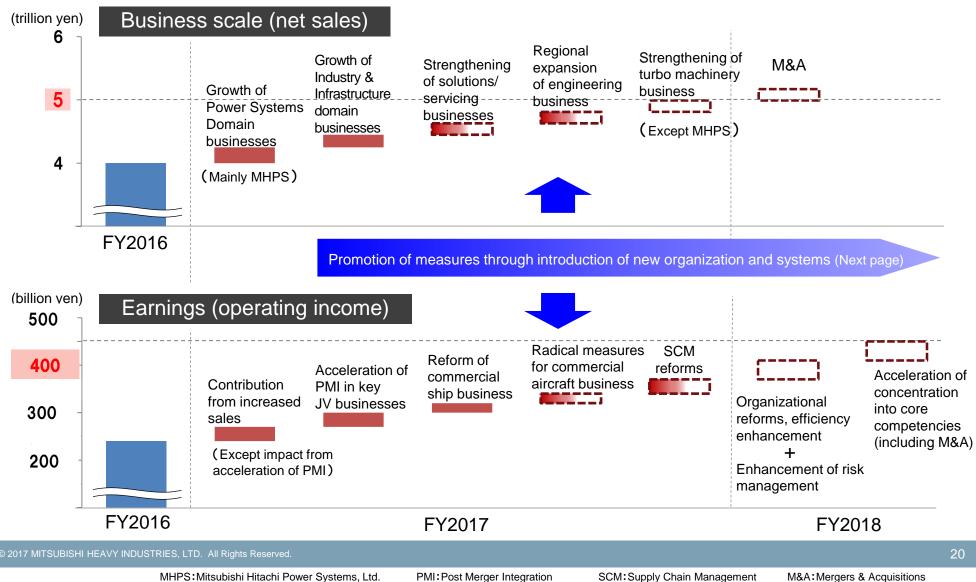
Earnings improvement target: 100 million euros / year







(2) Progression of Business Plan implementation (outlook)



MHPS: Mitsubishi Hitachi Power Systems, Ltd.

PMI: Post Merger Integration

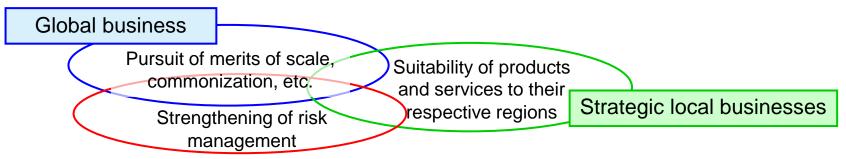
M&A:Mergers & Acquisitions

III. Summary - Toward Achievement of 2015 Business Plan (3/4)



- (3) Considering introduction of new organizations, systems, etc. as "total reforms"
 - → Move from reform to action in times of major external change and intensifying competition

•Organization geared to dealing with economic and social changes (e.g. globalization and anti-globalization trends), and grows through resilient and steady management



•Systems promoting human resources fluidity and stronger adaptability to external changes

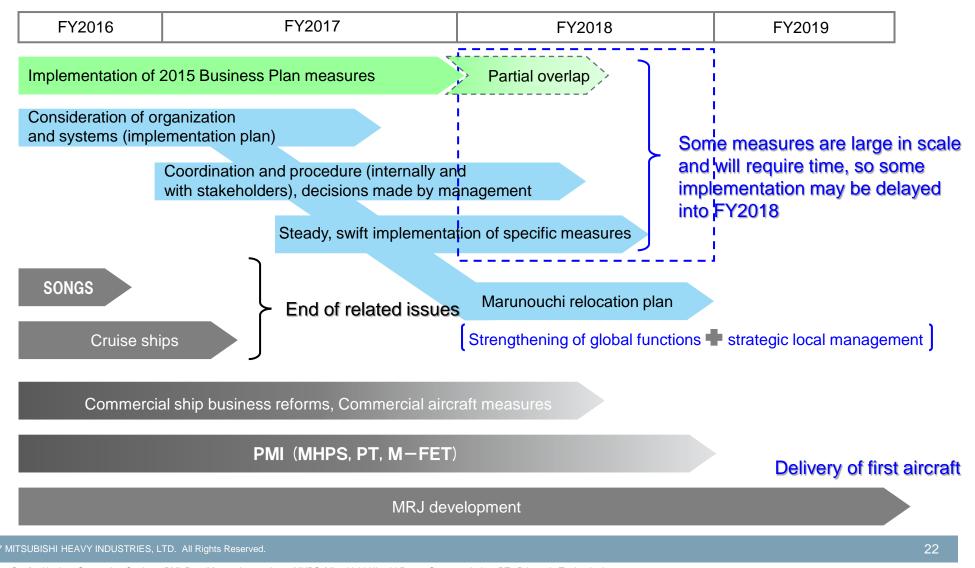
•Systems of evaluation suited to management harmoniously integrating global and local aspects



Basic scheme to be announced in early May 2017



(4) Implementation schedule and major events



SONGS: San Onofre Nuclear Generating Station PMI: Post Merger Integration MHPS: Mitsubishi Hitachi Power Systems, Ltd. PT: Primetals Technologies M - FET: Mitsubishi Heavy Industries Forklift, Engine & Turbocharger Holdings, Ltd.

MITSUBISHI HEAVY INDUSTRIES GROUP

MOVE THE WORLD FORW PRD

© 2017 MITSUBISHI HEAVY INDUSTRIES, LTD. All Rights Reserved.

MOVE THE WORLD FORW▶RD MITSUBISHI

HEAV

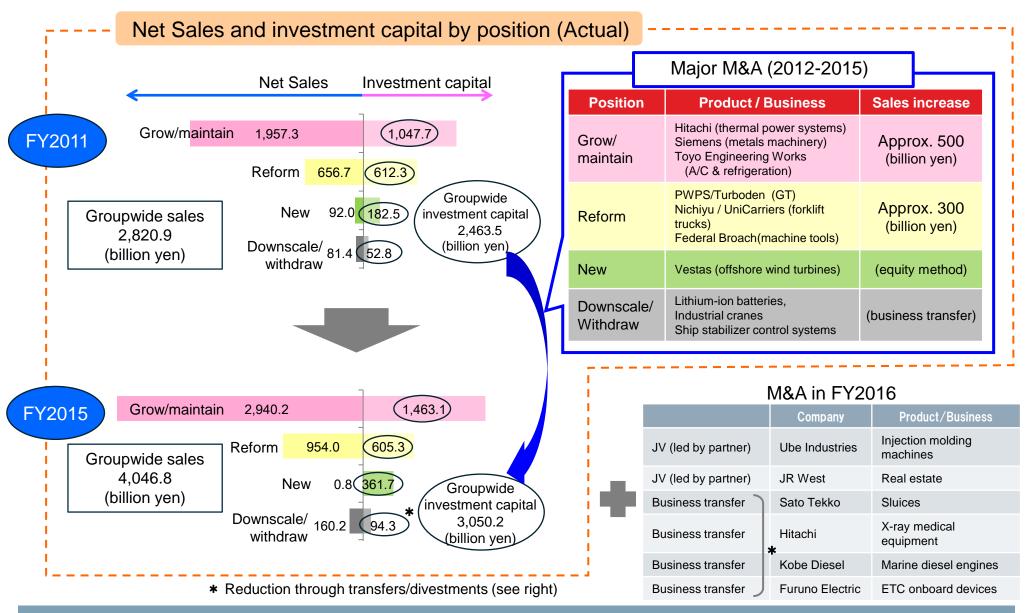
USTRIES ID

Reference Materials

1. Accelerate Concentration into Core Competencies - P.25 2. Target Scope of Engineering Business, etc. - P.27

[Reference] 1. Accelerate Concentration into Core Competencies (1)

- Changes to business portfolio



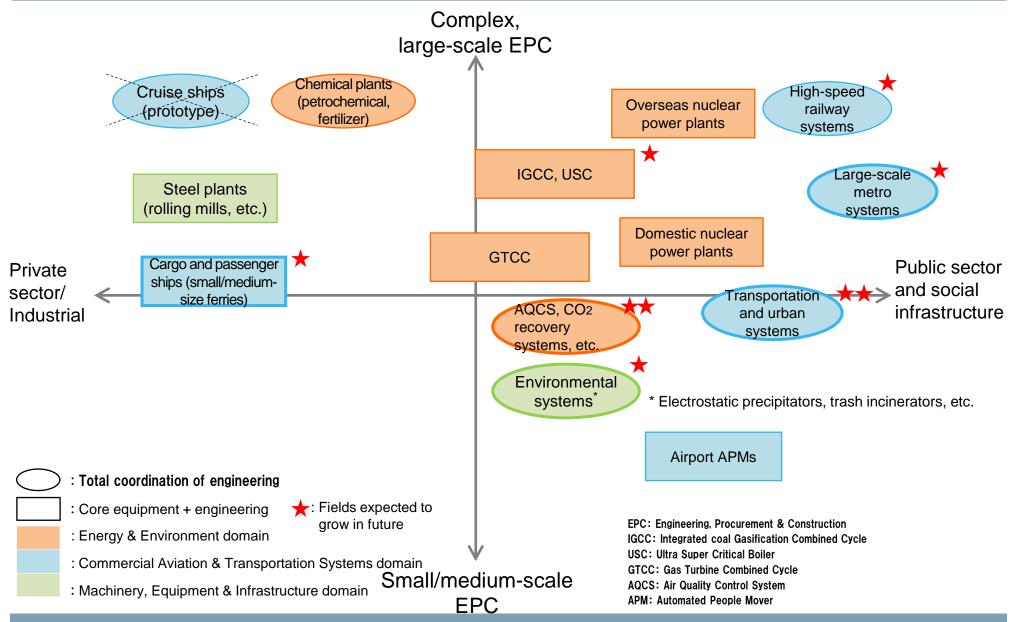
[Reference] 1. Acceleration of Concentration into Core Competencies (2) - M&As



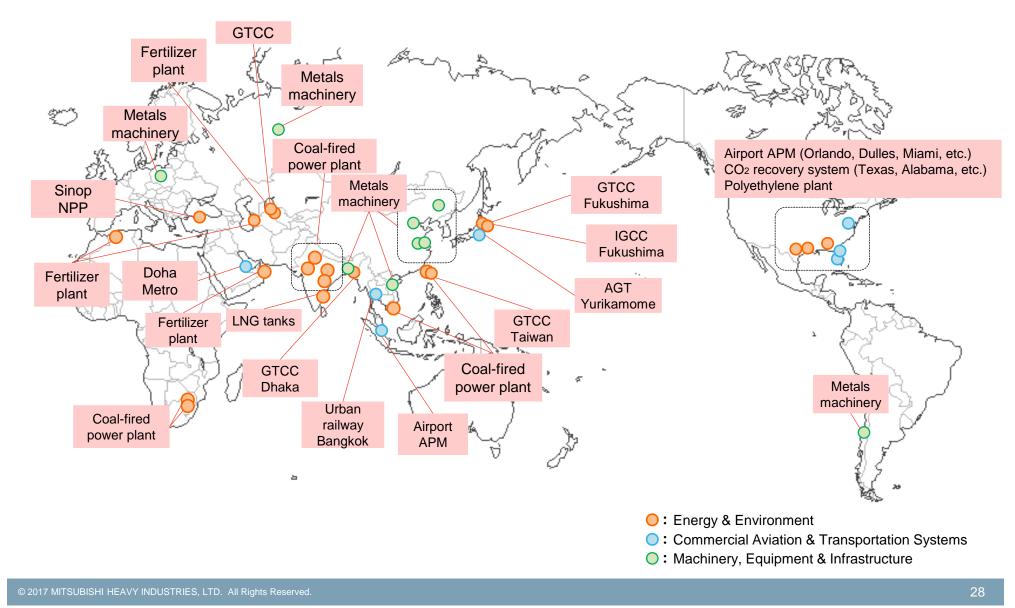
:Overseas					PMI Status and Results to Date			
Blue :FY2016 initia		initiatives	Company	Product/Business	Agreement date	Net sales contribution	Other results, etc.	
- Acquisition		Federa	al Broach (USA)	Machine tools	Apr 2012	Approx. JPY 5.0bn	Business expansion and stabilization from lineup integration	
		PWPS(USA) , Turboden(Italy)		Gas turbines	Dec 2012	Approx. JPY 80bn	Business expansion from added lineup in small/medium GT	
		Daily E	quipment (USA)	Forklift trucks	Jan 2012	Approx. JPY 1.5bn	Expansion of after-sale servicing business	
Acqu		Concast (India)		Metals machinery	Jun 2012	Approx. JPY 2.5bn	Strengthening of upstream product lineup	
		Toyo E	ngineering Works	Refrigeration systems	Jan 2014	Approx. JPY 16bn	Strengthening of engineering business	
		UniCa	arriers Holdings	Forklift trucks	Jul 2015	Approx. JPY 185bn	Further business scale growth and expanded global market share	
		Nij	ppon Yusoki	Forklift trucks	Nov 2012	Approx. JPY 130bn	Business expansion from achievement of full lineup	
			Hitachi	Thermal power generation systems	Nov 2012	Approx. JPY 300bn	Business expansion from full GT lineup (small to large), expansion of unique technologies	
	MHI- led	Siem	ens (Germany)	Metals machinery	May 2014	Approx. JPY 150bn	Business expansion from achievement of full lineup	
		IF	II Metaltech	Metals machinery	Jul 2013	Approx. JPY 10bn	Strengthened lineups of aluminum rolling mills, etc.	
		Mahindr	a & Mahindra (India)	Agricultural machinerv	May 2015	(equity-based)	Stronger competitiveness in domestic and global markets	
	Equal	Ves	tas (Denmark)	Wind turbines	Sep 2013	(equity-based)	Early achievement of strategic model (8MW) development and order receipt targets	
JV			Ryobi	Commercial printing machinery	Jun 2013	(equity-based)	Business strengthening from product lineup and production integration	
			Fuji Xerox	Document-related	Oct 2013	-	Reductions in direct/indirect costs from standardization and effective document-related processes	
		Miya	aji Engineering	Bridges	Nov 2014	(equity-based)	Scale merits, Market share increase	
	partner -led	Japan	Tunnel Systems	Tunneling shield machine	May 2015	(equity-based)	Assured capture of domestic demand and accelerate business expansion overseas	
			Fuji Oozx	Automobile engine valves Injection molding	Jan 2016	(equity-based)	Market share expansion and enhanced market presence Expansion of product lineup and sales network,	
		Ub	e Machinery	Injection molding machines	Jul 2016	-	Expansion of product lineup and sales network, reductions in production costs	
			JR West	Real estate	Oct 2016	(equity-based)	Boost corporate value through partnership with JR West	
		HIDR	OMEK (Turkey)	Motor graders	Nov 2013	-	Promotion of business concentration into core competence	
			ectronics (Taiwan)	Lithium rechargeable batteries	Apr 2014	-	Promotion of business concentration into core competence	
			mo Heavy Industries al Handling Systems	Industrial cranes	May 2015	-	Promotion of business concentration into core competence	
		Micł	hinori Holdings	Shonan Monorail	May 2015	-	Promotion of business concentration into core competence	
Tra	nsfer	Toh	mei Industries	Ship stabilizers	Mar 2016	-	Promotion of business concentration into core competence	
		S	ato Tekko	Sluice gates	May 2016	-	Promotion of business concentration into core competence	
			Hitachi	X-ray medical equipment	Aug 2016	-	Promotion of business concentration into core competence	
		ŀ	Kobe Diesel	Marine diesel engines	Dec 2016	-	Promotion of business concentration into core competence	
		Fu	runo Electric	ETC onboard devices	Jan 2017	-	Promotion of business concentration into core competence	
With	drawal	Ec	covix (Brazil)	Shipbuilding	Jan 2016	(equity-based)	Promotion of business concentration into core competence	

Reference 2. Target scope of engineering business, etc. (1)









IGCC: Integrated coal Gasification Combined Cycle

AGT: Automated Guideway Transit

MITSUBISHI HEAVY INDUSTRIES GROUP



MOVE THE WORLD FORW>RD

© 2017 MITSUBISHI HEAVY INDUSTRIES, LTD. All Rights Reserved.