Status of 2015 Medium-Term Business Plan

May 9, 2017 Mitsubishi Heavy Industries, Ltd.

Shunichi Miyanaga, President and CEO



Contents



| I. FY2016 Results | 3 | V. Organization and system reinforce toward "Conclusion of Reforms" | ements 26 |
|--|--------------------------------|--|----------------------------|
| II. Review of FY2017 TargetsIII. Evaluation of Overall Progress of 2015 Business Plan | 610 | Global and local management optimization Production Innovation Asset Management Reinforcement Innovation Laboratory (tentative name) | 27 29 32 33 |
| IV. Progress of Individual Measures 1. Measures for MRJ and Tier1 business | 16 17 | VI. Summary | 34 |
| Reinforcement of commercial ship business structure reforms Improvement of MHPS management PMI at M-FET PMI at Primetals Technologies (PT) Asset Management Progress | 19 20 23 24 25 | (Reference Materials) 1. Technology topics in FY2016 2. Medium-term measures against low capacity utilization at Nagoya facilities 3. Investments relating to AREVA of France 4. SONGS arbitration 5. AIDA Cruise Ship Construction Project 6. Acceleration of concentration into core | 40 41 42 43 44 |
| | | competencies | 45 |

I. FY2016 Results

I. FY2016 Results



(X Profit attributable to Owners of Parent) (billions of yen) FY2016 Actual FY2015 **Previous** Actual Actual Main reasons for variance from FY2015 Actual Forecast Decline in Orders received from overseas markets, MHPS etc. 4,275.6 Orders received 4,485.5 4,800.0 (Decreased investment due to lower oil price) (Overseas ratio) (48%)(52%)★1 includes yen appreciation LNG carrier*1 Operating income 3,914.0 4,000.0 Net sales 4,046.8 • MRJ △approx. ¥100 billion • Tier1*1 150.5 Operating income 309.5 MHPS*1 240.0 △approx. ¥50 billion (Margin) (3.8%)(6.0%)(7.6%)87.7 100.0 Net income X 63.8 Asset management benefits (extraordinary profit + approx. ¥ 110 billion) 5.1% **ROE** 5.8% 3.7% (FCF + approx. ¥ 200 billion) FCF 7.5 104.6 100.0 Debt/Equity ratio 0.53 0.44 (excl. impact fm South Africa PJ) 0.30 30.5% 32.5% Equity ratio (excl. impact fm South Africa PJ) 34.4% Interest-bearing debt 1,052.1 925.5 (excl. impact fm South Africa PJ) approx 625.5 Dividend per share 12 yen 12yen 12yen **%2** Deterioration of MHPS and further deterioration of LNG 110yen/\$ Foreign exchange rates: 108.2yen/\$ 119.7ven/\$ Carriers/MRJ reflected from 120yen/€ 118.6yen/€ 132.6yen/€ previous forecast © 2017 MITSUBISHI HEAVY INDUSTRIES

I. FY2016 Results (2)



Net Sales and Operating Income by Business Segment

FY2015 Actual (A) FY2016 Actual(B) (B)-(A)Operating Operating Operating Net sales Former segment Net sales Net sales income income income Energy & Environment 1,542.7 154.6 -72.3 -44.1 1,470.4 110.5 Commercial Aviation & 548.5 54.5 -33.1 -106.4515.3 -51.9 **Transportation Systems** Integrated Defense & 485.0 25.7 -14.4 2.1 470.6 27.9 Space Systems Machinery, Equipment & 1,432.3 80.0 5.6 -7.5 1.438.0 72.5 Infrastructure 177.3 12.6 -1.8 175.9 10.7 Others -1.4 Eliminations or -139.2 -18.1 -17.1 -156.3 -19.3-1.1 Corporate Total 309.5 4,046.8 -132.7 -158.9 3,914.0 150.5

After segment reorganization*

| FY2016 | FY2016 Actual | | | | | |
|---------------------------|---------------|------------------|--|--|--|--|
| New segment | Net sales | Operating income | | | | |
| Power Systems | 1,448.4 | 108.1 | | | | |
| Industry & Infrastructure | 1,747.0 | 50.0 | | | | |
| Aircraft, Defense & Space | 703.4 | 0.9 | | | | |
| _ | 1 | 1 | | | | |
| Others | 175.9 | 10.7 | | | | |
| Eliminations or Corporate | -160.7 | -19.3 | | | | |
| Total | 3,914.0 | 150.5 | | | | |

(billions of yen)

^{*} Use reorganization to integrate Commercial Aviation and Transportation Systems businesses (which face a challenging business environment, such as Commercial Aircraft and Commercial Ship) with other segments that have synergies, then accelerate measures.

II. Review of FY2017 Targets

II. Review of FY2017 Targets -1



(billions of yen)

| | FY2015 | FY2016 | | F | Y2017 |
|----------------------------------|-----------------------------|-----------------------------|-------------------------|-------------------------|---|
| | Actual | Actual | Previous target | New target | Factors behind target change |
| Orders received (Overseas ratio) | 4,485.5 (52%) | 4,275.6 (48%) | 5,500.0 (64%) | 4,500.0 (55%) | Reflects uncertainty of |
| Net sales | 4,046.8 | 3,914.0 | 5,000.0 | 4,150.0 | global economy and market forecasts |
| Operating income | 309.5 | 150.5 | 450.0 | 230.0 | MHPS Δ350 |
| (Margin) | (7.6%) | (3.8%) | (9.0%) | (5.5%) | |
| Net income *1 | 63.8 | 87.7 | 200.0 | 100.0 | Commercial Aircraft △200 PT(Metals Machinery) △120 |
| ROE | 3.7% | 5.1% | 10.2% | 5.5% | <u>Compressor</u> <u>Δ110</u> Total |
| FCF | 7.5 | 104.6 | 200.0 | 100.0 | Δ1,000 |
| Debt/Equity ratio | 0.53 | 0.44 | 0.4 | 0.4 | |
| Equity ratio | 30.5% | 32.5% | 35% | 33% | Reflects costs of |
| Interest-bearing debt | 1,052.1 | 925.5 | 900.0 | 850.0 | |
| Dividend per share | 12 yen | 12円 | *3 | *2 12円 | challenges faced in 2016 |
| Foreign Exchange Rates | 119.7 yen/\$ 132.6 yen/€ | 108.2 yen/\$ 118.6 yen/€ | 110 yen/\$ 130 yen/€ | 110 yen/\$ 120 yen/€ | *3:Payout Ratio 30%±5% |

^{*1:} Profit attributable to Owners of Parent

★2: MHI is to conduct consolidation of shares (10 shares →1 share) on October 1, 2017. Dividend per share on this

material is based on the case before consolidation of shares to be comparable to FY2016.

MHPS: Mitsubishi Hitachi Power Systems

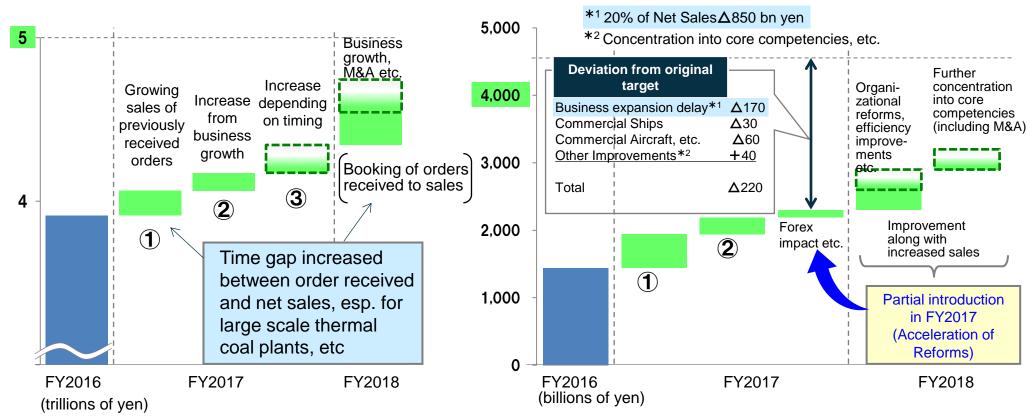
ROE: Return On Equity

II. Review of FY2017 Targets -2



Business scale (net sales)

Operating income



- 1 Previously received orders at MHPS, etc.
- 2 Turbochargers, forklift trucks, space systems, etc.
- 3 Land transportation systems, chemical plants, etc.
- 1 Improvement from increased sales and PMI acceleration
 - MHPS (P.20-22), M-FET/PT (P.23-24)
- 2 Radical measures for commercial ship and commercial aircraft businesses _______
 - Tier 1/MRJ (P.17-18), Commercial ship (P.19)

II. Review of FY2017 Targets -3



Net Sales and Operating Income by Business Segment

(billions of yen)

| | FY2016 Actual | | FY2017 forecasts | | | |
|---------------------------|---------------|----------------------------|------------------|------------------|---|--|
| | Net Sales | Net Sales Operating Income | | Operating Income | Change from FY2016 | |
| Power Systems | 1,448.4 | 108.1 | 1,650.0 | 145.0 | Partial recovery in Net Sales and Operating Income of MHPS | |
| Industry & Infrastructure | 1,747.0 | 50.0 | 1,850.0 | (4.6%) | Progress on Commercial Ship reforms PMI efforts at PT and M-FET | |
| Aircraft, Defense & Space | 703.4 | 0.9 | 650.0 | 10.0 | Reform measures for Tier 1 business Partial recovery of MRJ loss | |
| Others | 175.9 | 10.7 | 150.0 | 10.0 | | |
| Eliminations or Corporate | -160.7 | -19.3 | -150.0 | -20.0 | | |
| Total | 3,914.0 | 150.5 | 4,150.0 | 230.0 | | |

() Margin

MHPS: Mitsubishi Hitachi Power Systems, Ltd.

III. Evaluation of Overall Progress of 2015 Business Plan

III. Evaluation of Overall Progress of 2015 Business Plan (1)



- 1 Structural Reforms, such as concentration into core competencies are progressing smoothly and on time
- 2 Ongoing risk issues (SONGS/Cruise ships)now settled (see Reference Material p.43-44)
- 3 Optimizing asset management making progress with liquidation and utilization of balance sheet (p.25)
- Challenges arose in FY2016 outside the scope of the Business Plan prompting fundamental measures for improvement
 - Commercial Ships
 - → LNG Carriers/insufficient cost improvements and delays (5 ships)
 - Commercial Aircraft(Tier 1) → Yen appreciation and further decline in production (B777, Bombardier)
 - MRJ

→ Further delay in development schedule and increase in cost

• MHPS

- → Delay in business expansion and PMI
- Accelerate measures to solve challenges through business reorganization (resource utilization, prompt decisions, etc.)
- Implementation of immediate measures (including mid-to-long term actions for MRJ, MHPS:P.17-22)



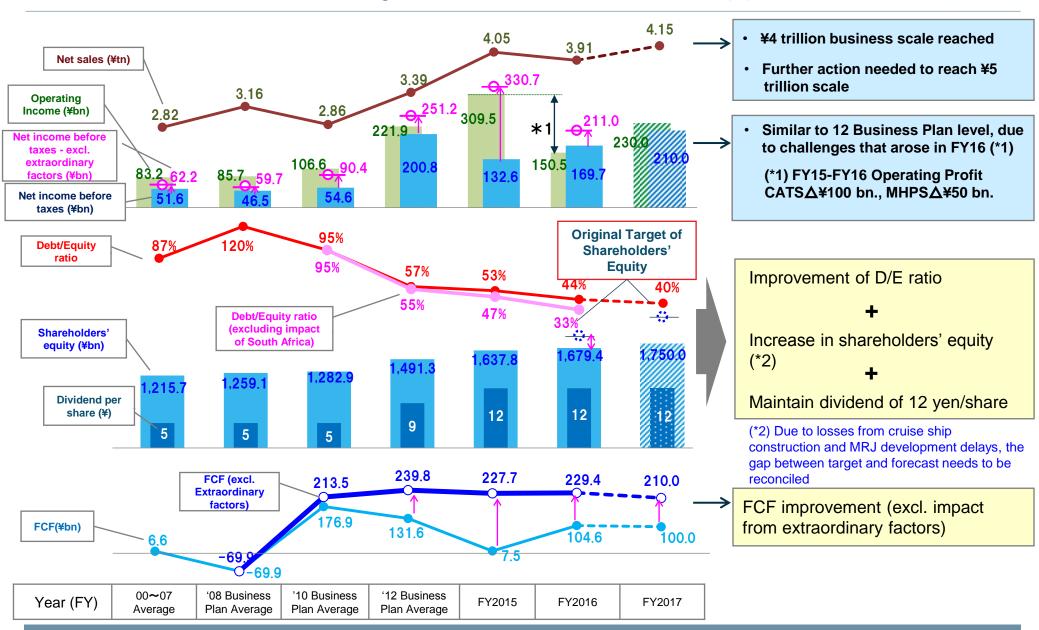
Reinforce above measures, commence actions for next Business Plan



"Conclusion of Reforms", reinforce organization and systems (P.26-33)

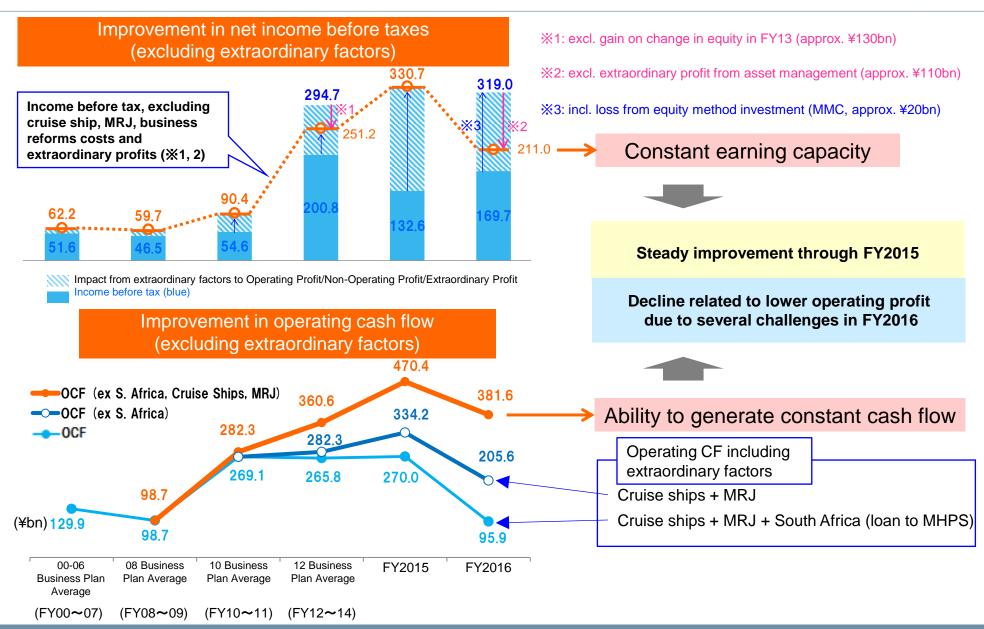
III. Evaluation of Overall Progress of 2015 Business Plan (2)





III. Evaluation of Overall Progress of 2015 Business Plan (3)





CF: Cash Flow

III. Evaluation of Overall Progress of 2015 Business Plan (4)



Progress in business structure reforms

Business scale expansion and profitability measures are making steady progress as a result of business structure reforms (with the exception of certain challenging businesses, as shown below)

Gap between FY12 and FY16

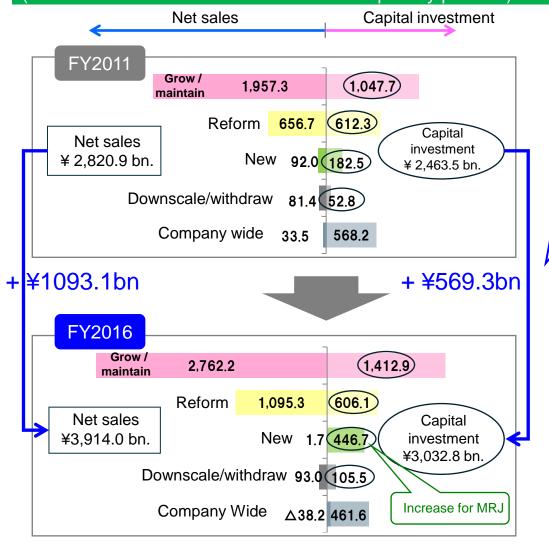
| | Orders Received | Net Sales (A) | Total Assets (B) | (A)-(B) | Operating Income | FCF | Remarks |
|---|--------------------|-------------------|---------------------|------------------------|----------------------------|----------------|---|
| All Businesses (excl. those listed below) | + 890 | + 710 | + 480 | + 230 | + 120 | +120 | Steady progress in business scale and profitability improvement |
| Commercial ships + Commercial Aircraft | ▲ 320 | + 30 | + 300 | *1 ▲ 270 | ▲ 80 | ▲ 120 | *1 Cruise ship + MRJ (As already delivered, no further impact from Cruise ship #2 expected) |
| MHPS (excl. S. Africa) | + 670 (+ 620) | + 350 (+ 300) | + 780 (+ 450) | *2 ▲ 430 (▲ 150) | ▲ 50 (▲ 50) | ▲ 100 (+ 0) | *2 South Africa PJ + delay in reduction of fixed cost |
| Total (excl. S. Africa) | + 1240 (+1190) | + 1090 (+1040) | +1560 (+1230) | ▲ 470 (▲ 190) | ▲ 10 (▲ 10) | ▲ 100 (+ 0) | |

Accelerate improved profit-generating structure through immediate measures (P.17-22)

III. Evaluation of Overall Progress of 2015 Business Plan (5)



Accelerate Concentration into Core Competencies (Movement of Net Sales and investment capital by position)



| | | 16 ints listed in blue) | |
|---|-----------------------------|---|---|
| | Position | Product/business | Sales increase |
| | Grow/ maintain | Hitachi (thermal power systems) Siemens (metals machinery) Toyo Engineering Works (air- conditioning & refrigeration) | ¥500bn (approx.) |
| 1 | Reform | PWPS/Turboden (GT) Nichiyu/UniCarriers (forklift trucks) Federal Broach (machine tools) | ¥300bn (approx.) |
| | New | Vestas (offshore wind turbines) | (equity share) |
| | Down- scale/ withdraw | Lithium-ion batteries Industrial cranes Fin stabilizers Injection molding machines Sluice gates X-ray treatment equipment Marine diesel engines ETC (electronic toll collection) onboard equipment | (business transfer, equity share) |

(See p.45 for details)

(equity

share)

GT: Gas Turbine

Company

wide

· Real estate

IT infrastructure

operation/maintenance

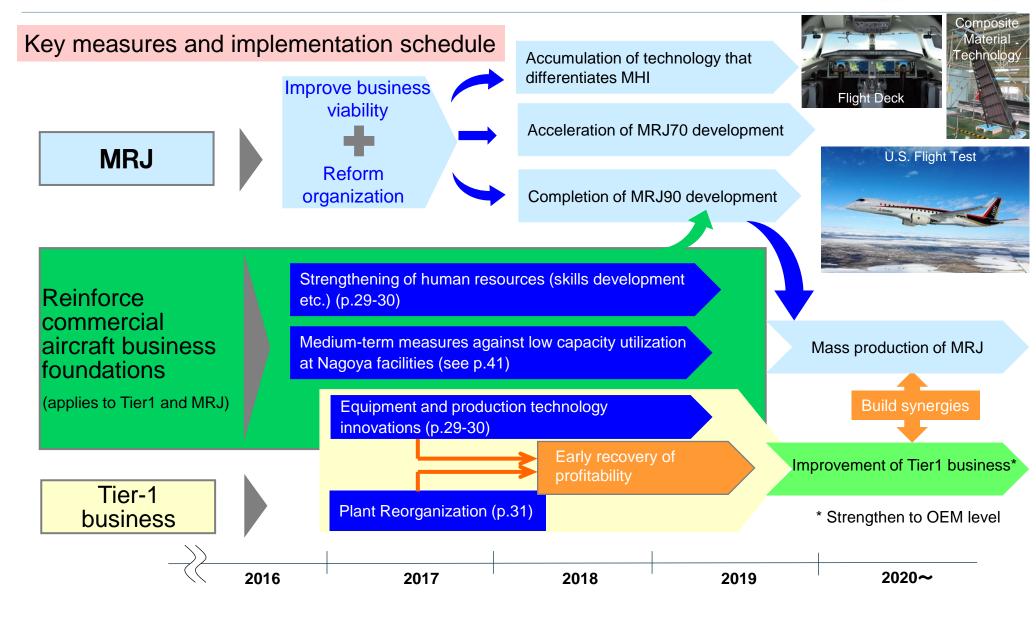
IV. Progress of Individual Measures

- 1. Measures for MRJ and Tier1 business
- 2. Reinforcement of commercial ship business structure reforms
- 3. Improvement of MHPS management
- 4. PMI at M-FET
- 5. PMI at Primetals Technologies (PT)
- 6. Asset Management Progress

Immediate measures

IV-1. Measures for MRJ and Tier1 business -1





IV-1. Measures for MRJ and Tier-1 business -2



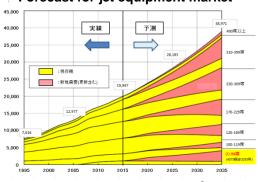
Long term strategy for commercial aircraft business

1) Reasons for continuation

- High entry barriers (technology, regulation, financing etc.)
- MHI's capabilities (accumulation of technology, skills, financial support)
- Sustainable market growth and continuous technological development
- High possibility of becoming a core business, requires long-term commitment

Continuous high demand growth





Source: JADC

Cyber Security

Technology

2) Original business model, enhanced by MHI's advantages

Pursuing autonomy and synergies between aircraft business and advanced Tier 1 business

 Beyond existing framework, expand business field and increase additional value of MHI business

- → Integration with cyber security technology and ICT
- → Synergy with other MHI businesses, ex. traffic control system, etc.



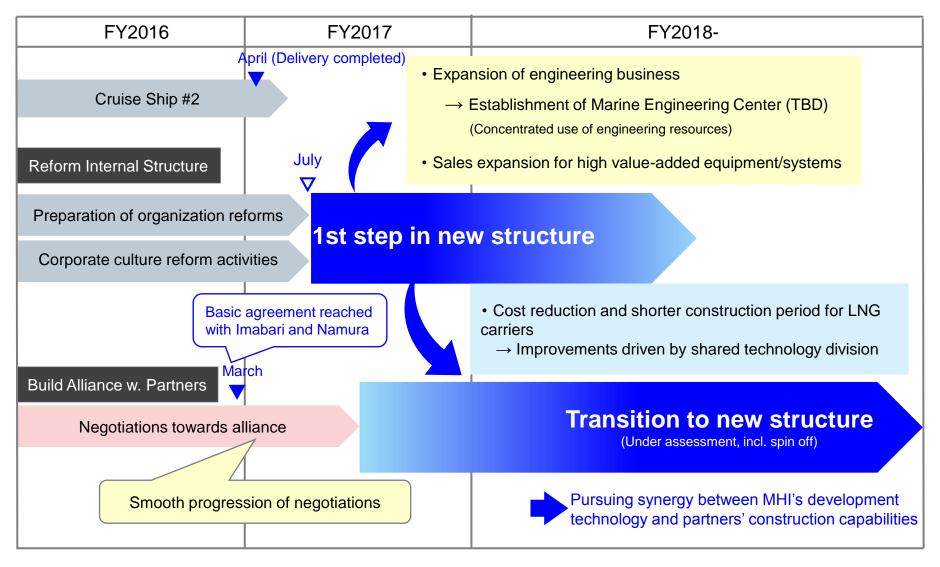
Apply technology



IV-2. Reinforcement of commercial ship business reforms



Overall schedule for business structure reforms



IV-3. Improvement of MHPS management, PMI etc. (1)



1) FY2016 earnings decline and responses

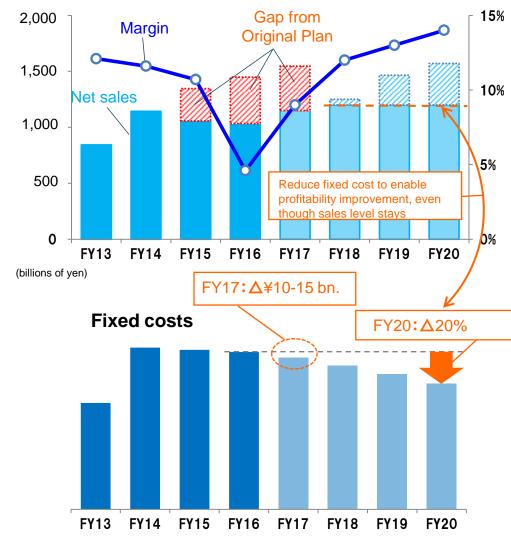
Operating profit fell in FY16 due to yen appreciation, delay in business expansion and time taken to reduce fixed costs



Leveraging the following measures, achieve 10%+ margin with existing level of net sales in 2 years

- Reduce fixed costs → See graph on right
- Reduce variable costs (utilize LCC, etc.)
 - \rightarrow FY17: \triangle ¥20 bn. from FY16
- Accelerate PMI
 - → Introduce chief officer system, strengthen SBU/KPI management system
 - → Re-organize business structure and manufacturing bases (asset optimization, etc.)

Net sales • Operating income



IV-3. Improvement of MHPS management, PMI etc. (2)



2) Gas Turbine Business

Challenge 1

- Sluggish ongoing demand for new GTCC plants worldwide
- Strengthen service business
 - → LTSA through use of IoT etc. (Long-term maintenance) Expansion of operation support service (See p.22)
- Strengthen ability to gather information globally and to offer more customer focused proposals
- → Concentrate human resources into key overseas markets *

* Asia N. and S. America Middle East

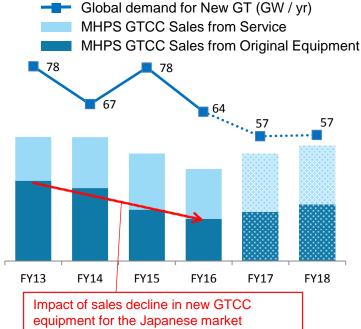
→ Strengthen ties with trading companies and expand use of ECA financing

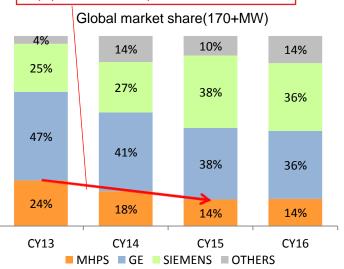
Challenge 2

- Increased competition <u>from latest GE model</u> (HA series)
- Expedite launch of high-performance gas turbine models
 - → Accelerate development of next-generation 1650°C-class gas turbines Delivery in FY2019(bring forward by 1.5 years)
- Strengthen cost competitiveness (See p.20)



(Renovations due for completion in 2020)





IV-3. Improvement of MHPS management, PMI etc. (3)



3) Expand service business using IoT, AI, Big Data



Benefit for customers

Optimization of overall efficiency (group management level)

Remote operations (labor-saving, high reliability)

Longer intervals between inspections

- Automated warnings for malfunctions/anomalies, early detection and recovery measures
- Operating life extension measures, placing orders for spare parts

Performance improvement and optimization (equipment and plant levels)

Big Data

Power supply

Analysis

Power demand forecast

Power demand forecast

Power demand forecast

Power demand forecast

Gas turbine early malfunction detection service

· Orders received from China



Automated boiler control system

Verified by Taiwan Power Co.



O&M support

Shorter inspection times



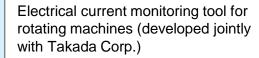
O&M monitoring

Higher operating ratios

- Preventive maintenance
- Short-term peak operation, eco operation
- Recommend replacement parts during regular maintenance

Global service center

Remote monitoring,
 O&M support (Philippines)





Synergies expected with other business

Data collection and evaluation (digitization)

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

IV-4. PMI at M-FET (forklift truck business)



Current PMI plan is underway ahead of schedule



Apply lessons learned from PMI programs at MHPS and PT

Defensive

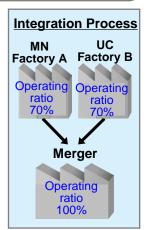
PMI acceleration (through MN and UC merger)

Approach

- Integration and elimination of redundant functions and sites
- Reinforcement of procurement and factory productivity enhancement

Outcome

- •Reduction of fixed costs △10%
- Operating income margin improvement $4 \rightarrow 8\%$



Aggressive

From single product business to solutions business

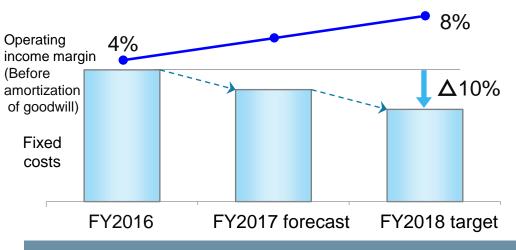
Approach

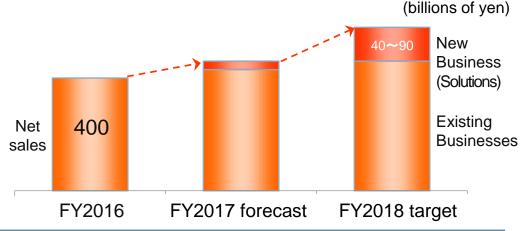
- Next-generation forklift trucks
- AGV(Automated Guided Vehicles). logistics robots
- V2G (Vehicle to Grid) etc.

Outcome

Sales expansion: 400 billion → Over ¥500 billion

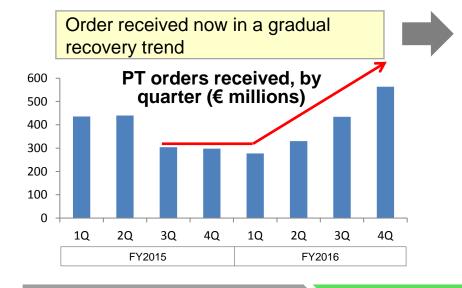






IV-5. PMI at Primetals Technologies (PT)





Worldwide manufacturing capacity surplus continues



Promote PMI to enable profit even at €1.5 bn. scale

EBITDA improvement target

(FY2016→2019)





PMI (business integration process)

Further PMI and implementation of growth strategy

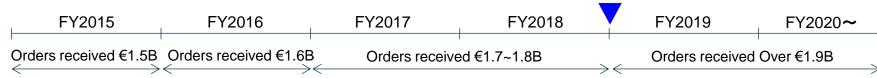
Sustained growth

- Consolidate organization (completed)
 Business segments:10 → 7
 Organizational functions:26 → 9
- •Optimize work force scale $(8,000 \rightarrow 7,100)$
- Eliminate redundant R&D costs (completed)

- Consolidate overseas locations (Approx.40 → 26)
- Expand market share through implementation of growth strategy
 - → Improved utilization of key technologies
 - → Reform of business model
 - → Expansion of alliances

Achieve top global position and stabilization of earnings

Completion of PMI

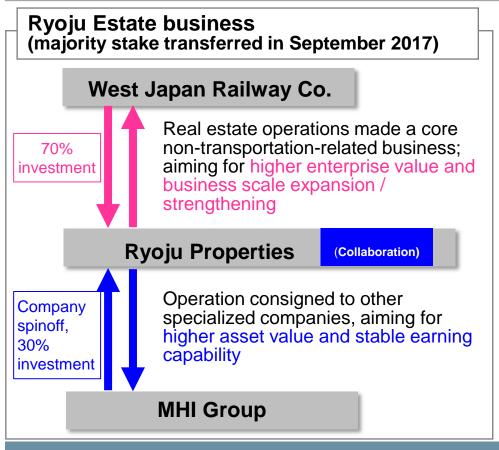


IV-6. Asset Management Progress



Aims and progress status of asset management

Promote enhanced value and utilization of assets through asset shuffling, collaboration with other companies, etc., avoiding simple selloffs refer to examples below



MHI Yokohama Bldg. (sold in March 2017)

- Sold in March 2017 (asset liquidation)
- → In near term, used for MHPS head office functions, etc.
- Enhance total asset value through use of acquired capital



Yokohama Bldg.

Asset shuffling

Reconstruction of Daiichi Tamachi Building (slated for completion in 2023)

- Greater convenience
- → Proximity to Marunouchi (global headquarters), etc.
- Increase in total floor space
- → Higher added value and profitability



New Tamachi Bldg.

Daiichi Tamachi Bldg.

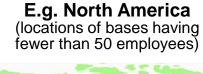
V. Organization and system reinforcements toward "Conclusion of Reforms"

- Preparations for "big leap" in 2018 Business Plan
- 1. Global and Local Management Optimization
- 2. Production Innovation
- 3. Asset Management Reinforcement
- 4. Innovation Laboratory (tentative name)



Optimize and strengthen global management

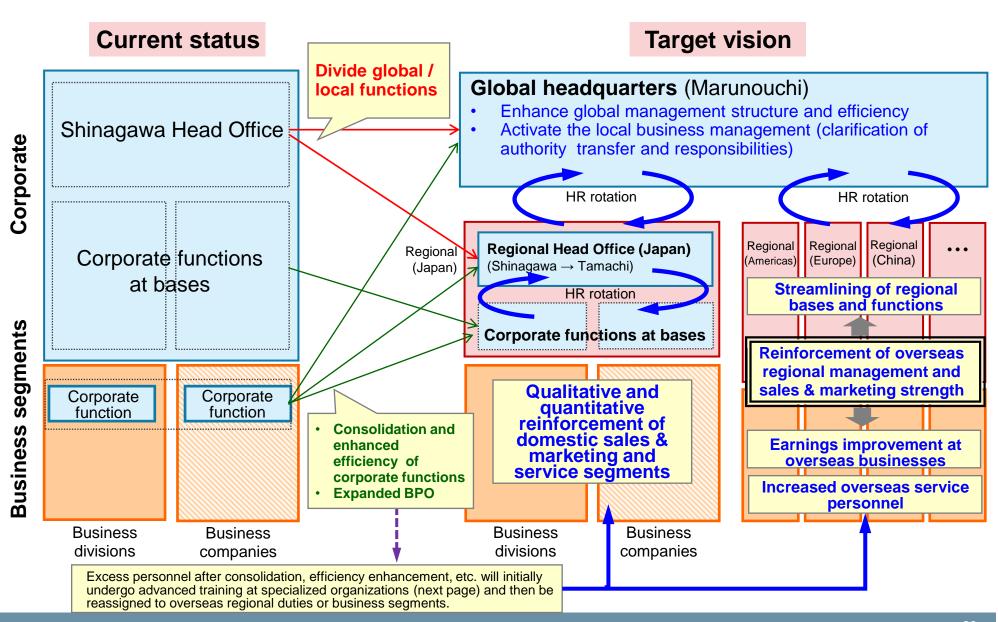
- Reinforce regional management and operations (especially ex-Japan)
- Further utilize local human resources
- Eliminate unique rules lingering in some regions
- Optimize use of Group-wide resources
 - Consolidate small-scale bases (business) offices, factories)





Of approx. 70 bases in North America, bases with fewer than 50 employees account for approx. half the total



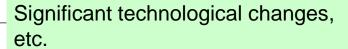




Globalization

- Increase in overseas factory management and technical guidance jobs from expansion of overseas production
- → Decrease in domestic conventional jobs

Mutual impact



- Rapid progress in IoT, AI, Robotics and other technologies
- → Automation of direct and indirect work
- → Increased need for data analysts, etc.
- Qualitative changes in factory work, etc. due to change in product (see next page)

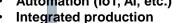
HR Response

(accelerated response by specialist teams)

- Development of human resources suited to the times
- Human resources fluidity, centering on continuous rotation of human resources (development and pooling)

Manual work





lines

Al and robots



Education/training



- Higher levels of techniques/skills
- Multi-skilled workers and professional conversions
- Development and introduction of innovative production and management methods
- R&D and introduction of the latest technologies and processes, including Al

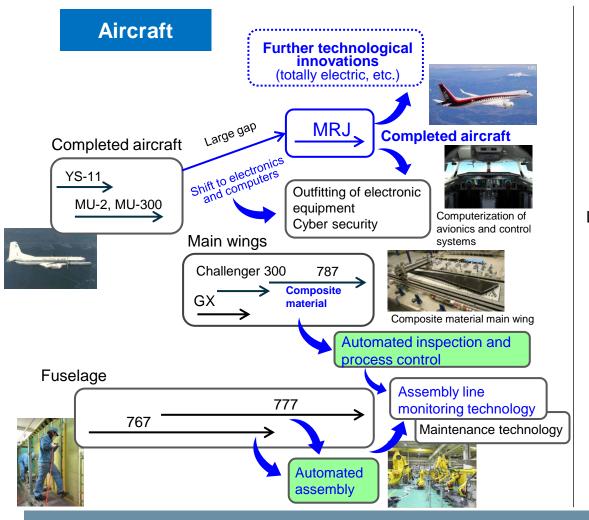
Production process and system innovations (Accelerated response by specially appointed teams)







Tackle changing needs for technological and skills areas through education and productivity innovation (previous page)



MRJ: Mitsubishi Regional Jet

Ships

Further technological innovations (deal with the emission regulations, etc.)



Car ferries / Cruise ships

LPG carriers / LNG carriers

- Cabin interior technologies
- Entertainment facility installation technologies
- Low-temperature, cryogenic technologies
- Special tank processing technologies



Automation control technologies

Shift in focus from hull work to outrigging

Car carriers **Tankers Bulk carriers**

- Structural design technologies
- Welding technologies
- Large block construction





V-2. Production Innovation - 3



Power and Machinery Business Aerospace Business

- Reduction of domestic production scale in tandem with expansion of global production
- Domestic production facilities scattered and dilapidated (Decline in competitiveness)

- **Expansion** in
- domestic production
- Lack of global competitiveness

Countermeasures

- Consolidation and reorganization of bases
- Investment through use of IoT/AI
- Broaden and deepen skill sets

Productivity improvement target ≥30%

Increase value of land and facilities through asset management

Proposed consolidation of core businesses

Metals machinery (Hiroshima, U.S., Mexico, China) Compressors(Hiroshima, U.S.)

> Shipbuilding (Nagasaki, Shimonoseki)

Gas turbines (Takasago + U.S.)

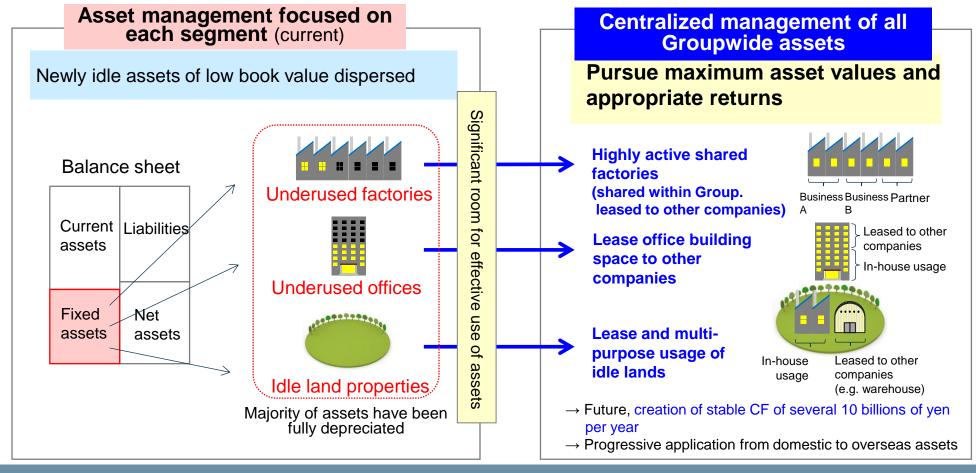
> Nuclear power, machinery (Kobe*)

* shared factory scheme

Optimal reorganization of domestic entities in Aircraft, Defense & Space (Including Hiroshima, Kobe)



Further carry out current measures, propose and implement asset management beyond the conventional framework as measures ahead of the 2018 Business Plan



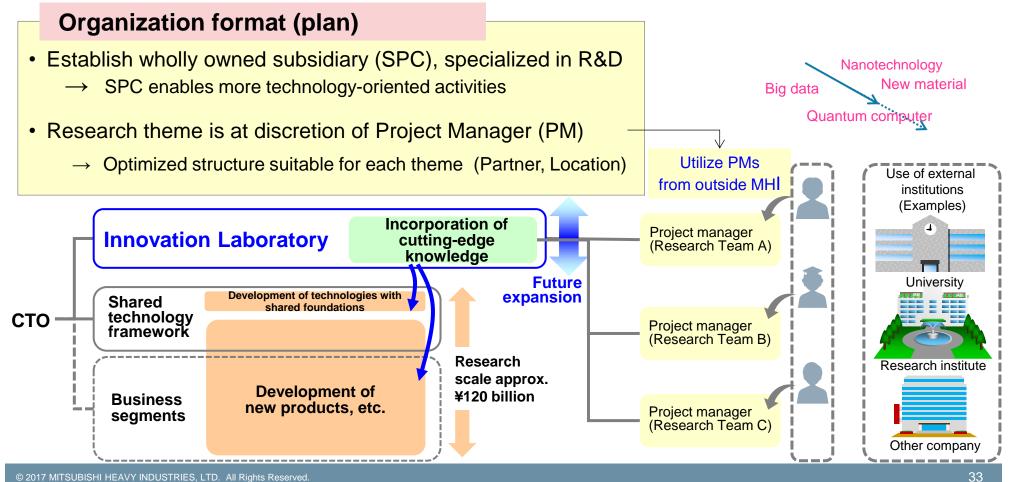
V-4. Innovation Laboratory (tentative name)



Objective

Garner leading-edge knowledge and ideas from external sources, utilize for foundational technologies and new product development

→ Conduct cooperative research globally with "Novel ideas and approaches"



VI. Summary



Numerical targets for 2015 Business Plan

FY2017 targets have been adjusted



Orders received: 4.5 trillion yen, Net income: 100 billion yen, etc. (P.7)



- Reflecting uncertainty of global economy and market forecast
- Bake in sufficient funds to tackle challenges that occured in 2016
- Original targets will be shifted to second year of 2018 Business Plan

Conclusion of Reforms

Complete reforms in 2017, and compile additional measures (e.g. MRJ reforms) by 1H FY2018

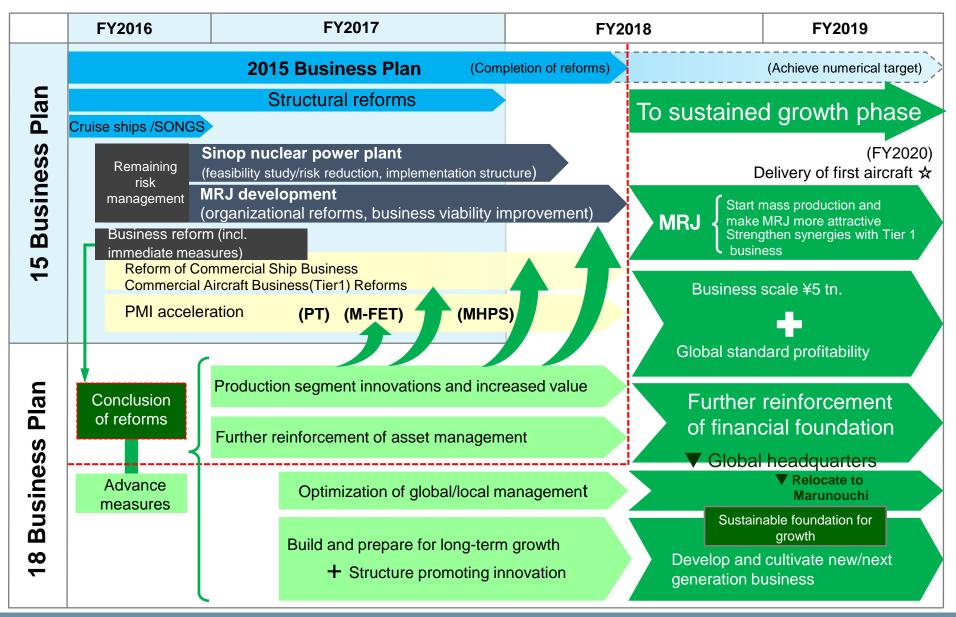
Smooth transition to 2018 Business Plan (continuous growth phase)

- Implementation of advance measures necessary for long-term sustained growth (pp.26-33)
- As machinery/engineering conglomerate, build long-term sustainable growth plan*

^{*}Establish long-term direction of business portfolio within FY17, with leading-edge technology and complex system engineering at core

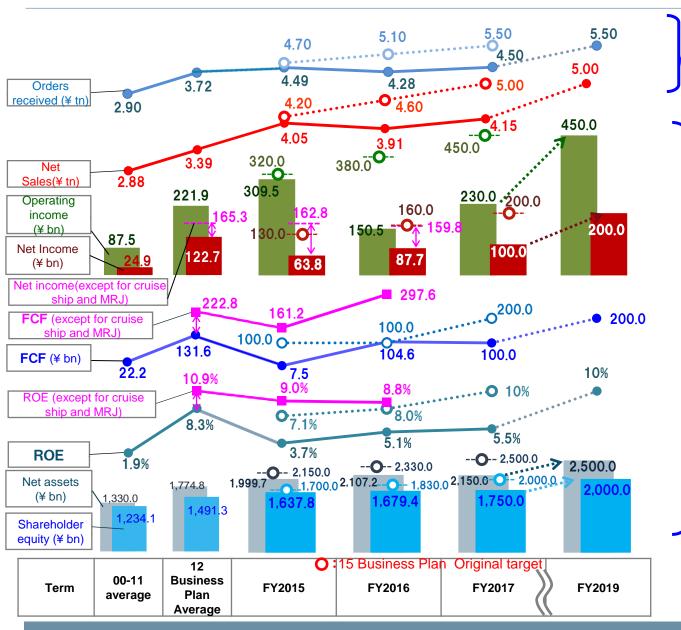
VI. Summary -2





VI. Summary -3





Keys to achieving numerical targets

Business scale

- ✓ Business expansion of JV such as MHPS (Incl. market recovery)
- ✓ Business growth in engineering/service field

Profitability & Financial Foundation

- ✓ Achieving business scale of 5 trillion yen
 - → Achieve scale merit
- ✓ Completion of reforms
 - → Profitability recovery from challenging businesses
- ✓ Continuous concentration into core competence
- ✓ Reinforcement of risk management
- ✓ Enhancement of asset management

ROE: Return On Equity



MOVE THE WORLD FORW>RD



Reference Materials

| 1. Technology topics in FY2016 | _ | P.40 |
|---|---|------|
| 2. Medium-term measures against low capacity utilization at Nagoya facilities | - | P.41 |
| 3. Investments relating to AREVA of France | - | P.42 |
| 4. SONGS arbitration | - | P.43 |
| 5. AIDA Cruise Ship Construction Project | - | P.44 |
| 6. Acceleration of concentration into core competencies | - | P.45 |



Completion of world's largest CO₂ capture plant in Texas, USA



- Captures 4,776 tons per day of CO₂ from coal-fired power plant
- •MHI Group has delivered 11 commercial CO₂ capture systems worldwide. (top share of global market)

Large-output Organic Rankine Cycle 5-stage axial turbine



 "5-stage 16MW" multi-stage large-scale axial turbine resolving vibration and other issues and achieving outstanding efficiency

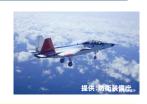
Start of operation of new electric steelmaking furnace (Mexico)

 World's most efficient electric furnace, cuts power consumption and CO₂ emissions by 25% and reduces production costs by near 20%

Advanced AGV (automated guided vehicle) employing laser guidance

 Material handling capacity increased by more than 20% by laser guidance and proprietary optimized operation algorithms applying onboard AI

Stealth and high-maneuverability technologies enabling realization of Advanced Technology Demonstrator (X-2)



- Extremely high stealth capability and outstanding maneuverability with flying capability not possible with conventional aircraft
- → Airframe system and advanced engine system integration

Combustion stabilization technology for H3 rocket engine (LE-9)

- Development of key technologies to control high-frequency combustion vibrations
- In March 2016, applicability has been demonstrated in fullsize proto-type firing tests

Exhaust pulsation energy-using technology for high-performance vehicle-use turbochargers

 World's first nonstationary performance evaluation technology for turbochargers, factoring in intermittent engine exhaust gas flow

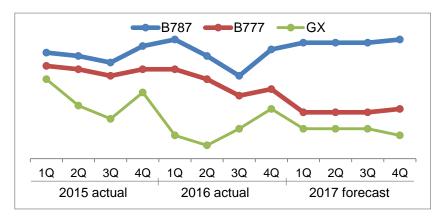
Mobile combat vehicle (production launched in FY2016)

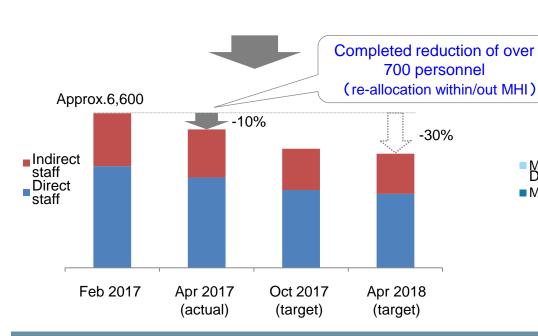
- Combat vehicle featuring outstanding mobility and air transport capability
- World's highest level of firing accuracy while traveling and outstanding mobility

Reference 2: Medium-term measures against low capacity utilization at Nagoya facilities

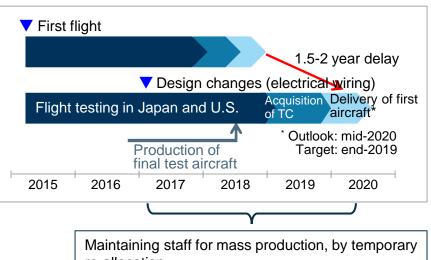


Measures for Tier1 production volume and staff

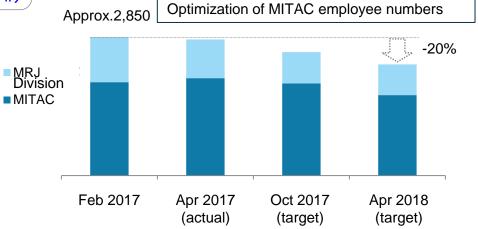




Measures for MRJ timetable and staff



re-allocation

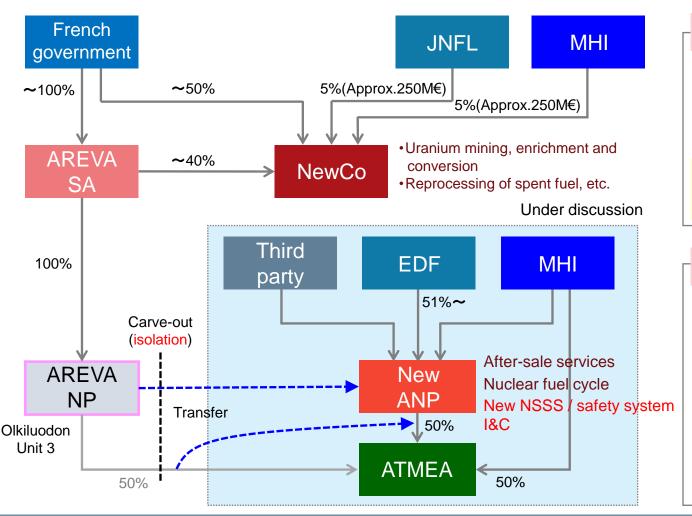


© 2017 MITSUBISHI HEAVY INDUSTRIES, LTD. All Rights Reserved.

Reference 3: Investments relating to AREVA of France



- Investment into stable earnings businesses after separation of existing risks
- Creation and expansion of business opportunities through strengthening of strategic relationships with EDF and New AREVA



Purpose of investment into NewCo

 Reinforce collaboration with global leader (AREVA) in field of nuclear fuel cycle



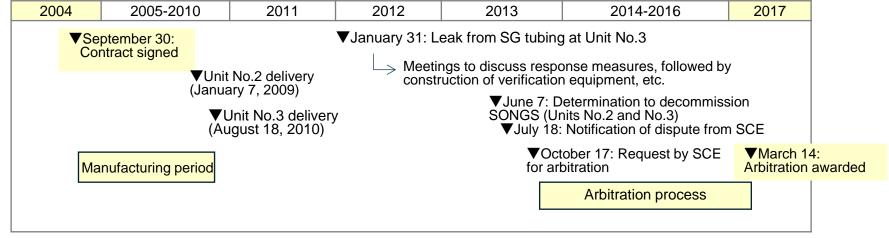
Strengthen MHI's response capability to reactor decommissioning and fuel cycle

Purposes of investment into New ANP

- Increase business opportunities, including ATMEA, through expanded collaboration with EDF
- Achieve stable profitability at New ANP
- -- After-sale services and fuel cycle
- Reactor-related engineering business (no EPC risk)



Chronology from contract signing to passage of arbitration award



^{*} SONGS comprises 3 units; MHI supplied SGs to Units No.2 and No.3. (The decision to decommission Unit No.1 was made in 1992.)

Arbitration award

Upper limit of responsibility stipulated in contract (approx. US\$137 million) is valid.



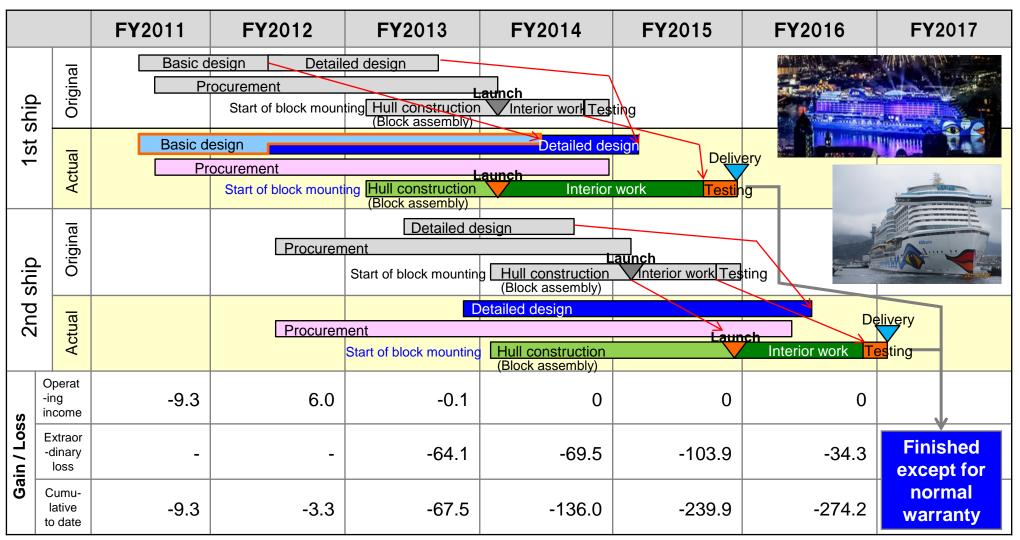
As claimed by MHI

- •MHI to pay approx. US\$118 million, after adjustments for expenses already paid, interest, etc.
- Rejection of SCE and other claimants' allegation of fraud and gross negligence by MHI (award sought: US\$6.667 billion)
- SCE and other claimants to bear majority (approx. US\$58 million) of MHI's arbitration expenses



Construction and gain/loss record

(in billion yen)



Reference 6: Acceleration of concentration into core competencies: M&A



| | | | | | PMI St | tatus and Results to Date | :Overseas | |
|-------------|-------------|--|----------------------------------|-------------------|------------------------|---|--------------------------|--|
| | | Company | Product/Business | Agreement date | Net sales contribution | Other results, | Blue:FY2016 initiative | |
| | | Federal Broach (USA) | Machine tools | Apr 2012 | Approx. JPY 5bn | Business expansion and s from lineup integra | | |
| Acquisition | | PWPS(USA) , Turboden(Italy) | Gas turbines | Dec 2012 | Approx. JPY 80bn | Business expansion from a in small/medium | added lineup | |
| | | Daily Equipment (USA) | Forklift trucks | Jan 2012 | Approx. JPY 1.5bn | Expansion of after-sale servi | | |
| | | Concast (India) | Metals machinery | Jun 2012 | Approx. JPY 2.5bn | Strengthening of upstream | product lineup | |
| | | Toyo Engineering Works | Refrigeration systems | Jan 2014 | Approx. JPY 16bn | Strengthening of engineeri | • | |
| | | UniCarriers Holdings | Forklift trucks | Jul 2015 | Approx. JPY 185bn | Further business scale g expanded global mark | | |
| | | Nippon Yusoki | Forklift trucks | Nov 2012 | Approx. JPY 130bn | Business expansion from achiev | | |
| | | Hitachi | Thermal power generation systems | Nov 2012 | Approx. JPY 300bn | Business expansion from full GT lir expansion of unique tec | | |
| | MHI -led | Siemens (Germany) | Metals machinery | May 2014 | Approx. JPY 150bn | Business expansion from achieve | ement of full lineup | |
| | | IHI Metaltech | Metals machinery | Jul 2013 | Approx. JPY 10bn | Strengthened lineups of aluminur | • | |
| | | Mahindra & Mahindra (India) | Agricultural machinery | May 2015 | (equity-based) | Stronger competitiveness in global markets | | |
| | Equal | Vestas (Denmark) | Wind turbines | Sep 2013 | (equity-based) | Early achievement of strategic model (order receipt targ | | |
| | part | Ryobi | Commercial printing machinery | Jun 2013 | (equity-based) | Business strengthening from production integra | roduct lineup and | |
| JV | | Fuji Xerox | Document-related | Oct 2013 | - | Reductions in direct/indirect costs fro effective document-related | | |
| | | Miyaji Engineering | Bridges | Nov 2014 | (equity-based) | Scale merits, Market sha | | |
| | | Japan Tunnel Systems | Tunneling shield machine | May 2015 | (equity-based) | Assured capture of domestic accelerate business expans | | |
| | ner- | Fuji Oozx | Automobile engine valves | Jan 2016 | (equity-based) | Market share expansi enhanced market pre | on and | |
| | | Ube Machinery | Injection molding machines | Jul 2016 | - | Expansion of product lineup and sales | network, reductions in | |
| | | JR West | Real estate | Oct 2016 | (equity-based) | Boost corporate value through part | | |
| | | NTT Data | Operation and maintenance of IT | Mar 2017 | | Sophistication of IT service and streng | thening global readiness | |
| | | HIDROMEK (Turkey) | Motor graders | Nov 2013 | - | Promotion of business cond core competend | | |
| | | Delta Electronics (Taiwan) | Lithium rechargeable batteries | Apr 2014 | - | Promotion of business cond core competend | centration into | |
| | | Sumitomo Heavy Industries Material Handling Systems | Industrial cranes | May 2015 | - | Promotion of business cond core competence | centration into | |
| | | Michinori Holdings | Shonan Monorail | May 2015 | - | Promotion of business cond core competend | centration into | |
| Tran | sfer | Tohmei Industries | Ship stabilizers | Mar 2016 | - | Promotion of business cond core competend | centration into | |
| | | Sato Tekko | Sluice gates | May 2016 | - | Promotion of business concore competen | centration into | |
| | | Hitachi | X-ray medical equipment | Aug 2016 | - | Promotion of business concore competen | centration into | |
| | | Kobe Diesel | Marine diesel engines | Dec 2016 | - | Promotion of business concerns core competen | centration into | |
| | | Furuno Electric | ETC onboard devices | Jan 2017 | _ | Promotion of business concore competen | centration into | |
| ر الله | Irawal | Ecovix (Brazil) | Shipbuilding | Jan 2016 | (equity-based) | Promotion of business cond core competence | centration into | |

MOVE THE WORLD FORW>RD MITSUBISHI HEAVY INDUSTRIES GROUP