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MITSUBISHI  
HEAVY  
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GROUP



# Financial Results for FY2017 1H (Apr.-Sep.)

October 31, 2017

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Here, we will provide an overview of MHI's financial results for the first half of fiscal 2017—the period from April 1st through September 30th.

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## I. FY2017 1H Financial Results

## Summary of 1H Financial Results



(In billion yen)

	FY2016 1H		FY2017 1H		Change	
Orders received		1,664.4		1,600.5	-63.8	(- 3.8%)
Net sales		1,750.5		1,825.4	74.9	(+4.3%)
Operating income	(2.2%)	38.4	(2.1%)	38.2	-0.1	(- 0.5%)
Ordinary income	(-0.1%)	-1.8	(2.3%)	41.2	43.0	-
Extraordinary gain/loss		-12.7		-4.7	+8.0	-
Net income attributable to owners of parent	(-1.1%)	-18.9	(0.7%)	13.5	+32.4	-
EBITDA	(7.2%)	126.3	(7.1%)	129.2	+2.9	(+2.3%)

**Breakdown of  
FY2017 1H Extraordinary gain/loss (-4.7)**

**<Extraordinary loss>**

-Business structure improvement expenses -4.7

Non-operating income below are included:

- Foreign exchange gain 7.0 (+18.8)

- Income from equity method investments 2.0 (+22.4)

\* ( ) Change from FY2016 1H

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Here you can see a summary of the half-year results.

Orders received totaled 1,600.5 billion yen, down 63.8 billion yen from the previous year. The decline is attributable mainly to receipt of orders for the MRJ during the first half of fiscal 2016.

Net sales finished at 1,825.4 billion yen, up by 74.9 billion yen year-on-year.

Operating income in the first half totaled 38.2 billion yen, little changed from the previous year. An increase in gross margin was offset by increases in SG&A (selling, general and administrative) expenses.

Ordinary income ended the half at 41.2 billion yen, up by 43 billion yen from the previous year. Two principal factors were behind this significant improvement. First, in contrast to the foreign exchange loss booked in the first half of fiscal 2016, this year a foreign exchange gain was recorded. Second, a year ago the Company booked a loss from an equity-method investment of 18.8 billion yen relating to Mitsubishi Motors Corporation, which was an equity-method affiliate until the end of the first quarter of fiscal 2016. This year that loss was eliminated.

An extraordinary loss in the amount of 4.7 billion yen was booked in the first half as business structure improvement expenses.

Net income attributable to owners of parent ended the half at 13.5 billion yen, a year-on-year increase by 32.4 billion yen.

EBITDA finished at 129.2 billion yen, nearly unchanged from the previous year.

## 1H Financial Results by Segment<sup>(\*)</sup>



(In billion yen)

	Orders received			Net sales			Operating income		
	FY2016 1H	FY2017 1H	Change	FY2016 1H	FY2017 1H	Change	FY2016 1H	FY2017 1H	Change
Power Systems	591.8	584.5	- 7.2	648.6	630.0	- 18.6	30.2	12.1	- 18.0
Industry & Infrastructure	773.9	762.5	- 11.4	793.0	882.5	+89.4	12.2	26.9	+14.7
Aircraft, Defense & Space	293.1	252.7	- 40.4	303.3	316.0	+12.6	0.0	2.9	+2.9
Others	71.9	60.4	- 11.4	78.5	60.7	- 17.8	3.7	2.5	- 1.2
Eliminations or Corporate	- 66.5	- 59.7	+6.8	- 73.1	- 63.8	+9.3	- 7.8	- 6.4	+1.4
<b>Total</b>	<b>1,664.4</b>	<b>1,600.5</b>	<b>- 63.8</b>	<b>1,750.5</b>	<b>1,825.4</b>	<b>+74.9</b>	<b>38.4</b>	<b>38.2</b>	<b>- 0.1</b>

(\*) The reported segments have been changed in line with the reorganization and business reconfiguration initiatives carried out effective April 1, 2017.

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Here we see a breakdown of the first-half results by segment.

Orders received in the Aircraft, Defense & Space segment decreased by 40.4 billion yen from the previous year. As explained on the previous page, the year-on-year decline was due primarily to orders for the MRJ received in the first half last year.

Sales increased mainly in the Industry & Infrastructure segment. Year-on-year growth was recorded especially by mass-manufactured products such as turbochargers, forklift trucks, and refrigeration and air-conditioning systems. Sales also increased in the Aircraft, Defense & Space segment. Sales in the Power Systems segment decreased from the previous year.

Operating income fell in the Power Systems segment by 18 billion yen from the previous year. As I explained when reviewing our first-quarter results, the main reason is because profits in the nuclear power business are projected to be concentrated into the second half of the fiscal year. Operating income in the Industry & Infrastructure segment increased by 14.7 billion yen from the previous year, due to growth in sales especially of mass-manufactured products. Operating income in the Aircraft, Defense & Space segment increased by 2.9 billion yen from the previous year. MRJ development costs expanded, but progress is being made in improving commercial aircraft costs.

## Balance Sheet Overview



(In billion yen)

	As of September 30, 2016	As of March 31, 2017	As of September 30, 2017	Change
Trade receivables	1,058.4	1,180.1	1,176.7	-3.3
Inventories	1,428.2	1,325.5	1,386.5	+61.0
Other current assets	918.4	1,016.3	* 1,068.8	+52.5
Total fixed assets	1,247.3	1,184.5	1,170.9	-13.5
Investments and advances	647.6	775.3	796.4	+21.1
<b>Total assets</b>	<b>5,300.1</b>	<b>5,481.9</b>	<b>5,599.6</b>	<b>+117.7</b>
Trade payables	745.2	836.0	775.3	-60.6
Advance payments received on contracts	736.4	777.6	775.2	-2.3
Other current liabilities	757.8	835.3	790.8	-44.4
Interest-bearing debt	1,182.1	925.5	1,098.4	+172.8
Net assets	1,878.4	2,107.2	2,159.7	+52.4
Net worth (Owners equity)	1,579.6	1,782.6	1,834.5	+51.8
<b>Total liabilities and net assets</b>	<b>5,300.1</b>	<b>5,481.9</b>	<b>5,599.6</b>	<b>+117.7</b>

\* Including indemnification asset for South African project (344.8 billion yen)

Short-term borrowings	+26.1
Commercial papers	+196.0
Bonds (incl. current portion)	-40.0
Long-term borrowings (incl. current portion)	-9.2
- Decreased 83.7 from FY2016 1H	

Dividend	-20.1
Net income	+13.5
Other comprehensive income (Unrealized holding gain on investment securities, etc.)	+48.5 etc.

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Next, I will provide a brief overview of our balance sheet.

At MHI, our fundamental policy is to improve management efficiency by squeezing the balance sheet, and to maintain a positive cash flow.

At the end of the first half, our total assets now stand at 5,599.6 billion yen, up by 117.7 billion yen from the end of previous fiscal year. This figure includes increased assets relating to our investment into the MRJ business and progress of the project in South Africa.

On the liabilities side, the increase in total assets is temporarily being offset by short-term interest-bearing debt. Interest-bearing debt increased by 172.8 billion yen since the end of fiscal 2016, and now stands at 1,098.4 billion yen. At MHI, cash flow typically touches bottom in the third quarter of every year and then recovers significantly in the fourth quarter. Taking this into consideration, interest-bearing debt has decreased by 83.7 billion yen compared to the level of one year ago.

Owners equity has increased for a number of reasons. These include booking of net income and an increase in unrealized holding gain on investment securities following the recent rise in share prices.

## Main Financial Measures, Cash Flows



### Main Financial Measures

	As of Sep.30, 2016	As of Mar.31, 2017	As of Sep.30, 2017	Change	FY2017 Forecast
Equity ratio	29.8%	32.5%	32.8%	+0.3pt	-
Interest-bearing debt (In billion yen)	1,182.1	925.5	1,098.4	+172.8	850.0
D/E ratio	63%	44%	51%	+7pt	-

### Cash Flows

	FY2016 1H	FY2017 1H	Change	(In billion yen) FY2017 Forecast
Operating activities Cash Flow	-118.3	-110.8	+7.5	-
Investing activities Cash Flow	-98.7	-75.4	+23.2	-
Free Cash Flow	-217.0	-186.2	+30.7	100.0

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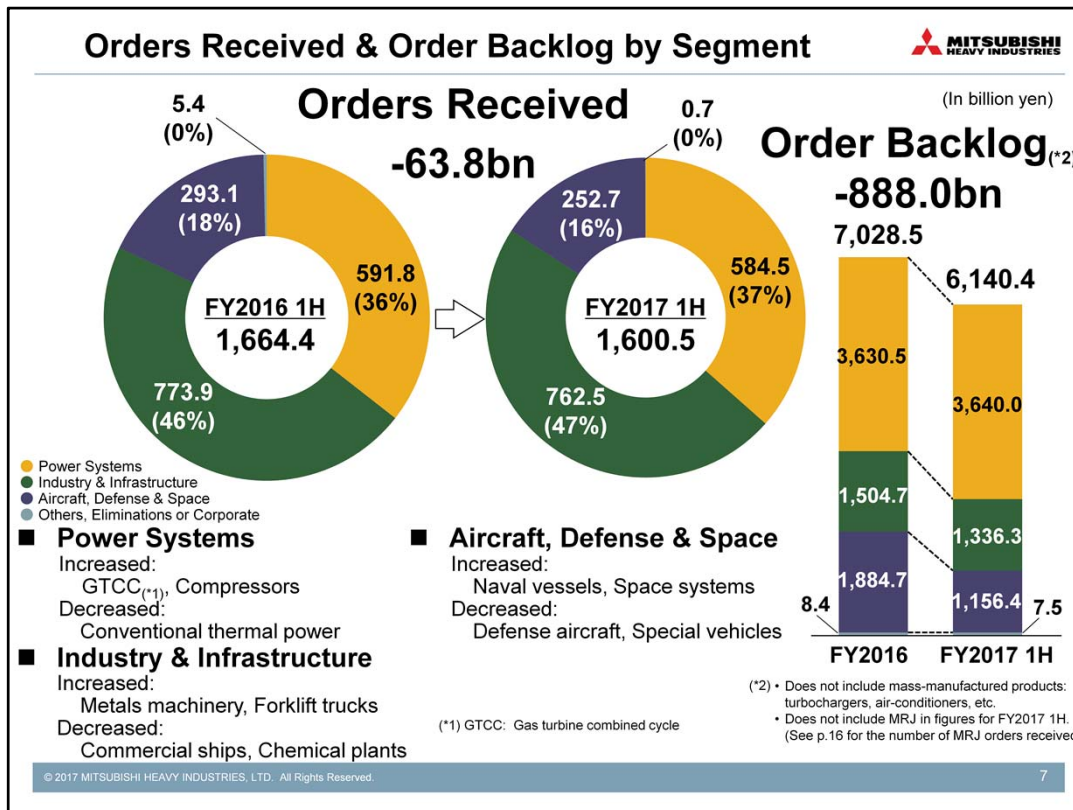
Now, I would like to show our main financial measures and cash flows.

The equity ratio calculated to 32.8%, a solid improvement from 29.8% the previous year.

Interest-bearing debt decreased year-on-year, as I explained on the previous page. The D/E ratio was 51%.

Now I will turn to our cash flows, which support these figures.

In most years, our cash flows tend to finish in negative territory from the first to third quarters, and then recover by the end of the fiscal year. This year, free cash flow during the first half was minus 186.2 billion yen, an improvement by 30.7 billion yen from the previous year. We are now taking various measures toward achieving our annual target of 100 billion yen.

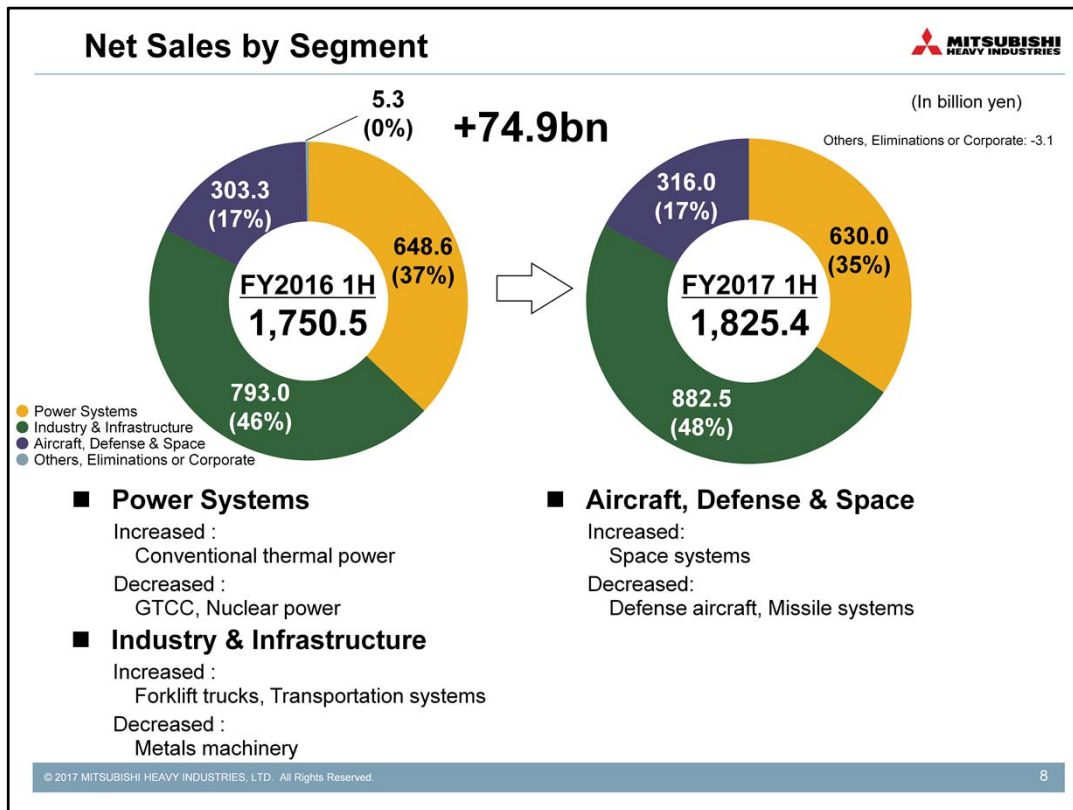


Next, I will present our orders received, order backlog, net sales and operating income results of the first half, by segment.

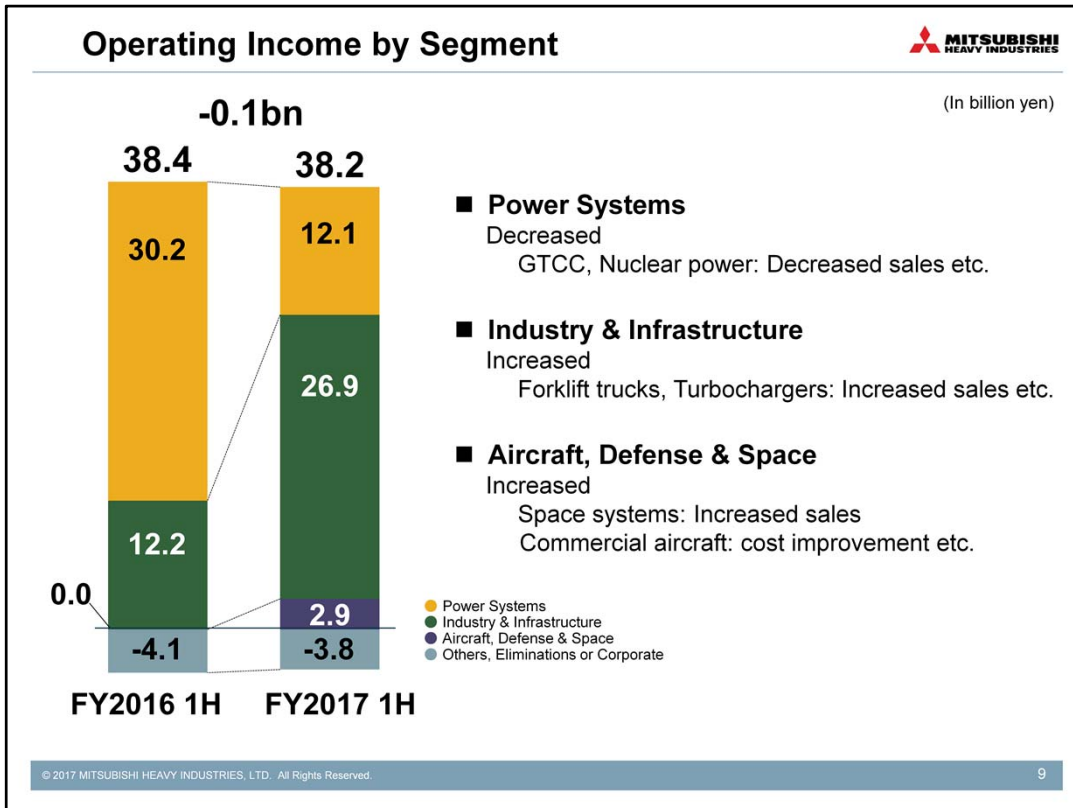
Orders received decreased in the Aircraft, Defense & Space segment, as I described on page 4. Orders received in the Power Systems and Industry & Infrastructure segments were little changed from the previous year.

We have changed the method of showing the order backlog so that it does not include past orders received for the MRJ. This method, which will be used going forward, reflects the use of order information as a key indicator of sales and is in line with similar methods used by other aircraft manufacturers. The total volume of orders for the MRJ received to date is shown on page 16.





Here you can see the segment-based net sales figures for the first half. In the Industry & Infrastructure segment, net sales increased mainly for forklift trucks and other mass-manufactured goods.



Operating income finished the first half close to the level of the previous year. Income in the Power Systems segment was modest mainly due to the timing of booking of sales in the nuclear power business, but this was offset by increased income in the Industry & Infrastructure segment.

We expect the nuclear power business to recover on a full-year basis.

## II. Forecast for FY2017

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, those 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 vary significantly from these projections due to a number of factors. These include, but are not limited to, economic trends affecting the Company's operating environment, currency movements 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.

## Summary of Forecast for FY2017



(In billion yen)

	FY2016 (Actual)	FY2017 (Forecast)		Change
		As of Oct. 31, 2017	As of July 31, 2017	
Orders received	4,275.6	4,000.0	4,500.0	- 275.6 (- 6.4%)
Net sales	3,914.0	4,050.0	4,150.0	+135.9 (+3.5%)
Operating income	(3.8%) 150.5	(4.4%) 180.0	230.0	+29.4 (+19.6%)
Ordinary income	(3.2%) 124.2	(4.2%) 170.0	210.0	+45.7 (+36.8%)
Net income attributable to owners of parent	(2.2%) 87.7	(2.0%) 80.0	100.0	- 7.7 (- 8.8%)
ROE	5.1%	4.4%	5.5%	- 0.7pt
EBITDA	(8.7%) 339.8	(9.1%) 370.0	430.0	+30.1 (+8.9%)
Free cash flow	104.6	100.0	100.0	- 4.6 (- 4.4%)
Dividend (per share after the share consolidation)	(*) 120.0yen Interim: 60.0yen year-end: 60.0yen	(*) 120.0yen Interim: 60.0yen year-end: 60.0yen		<Assumed exchange rate> US\$ 1.00 = ¥110 Euro 1.00 = ¥130

Forecast has been revised in light of 1H results, business environment etc.

<Undetermined foreign  
currency amount>  
US\$: 0.6 billion  
Euro: 0.3 billion

(\*) MHI implemented a share consolidation (10 to 1) effective October 1, 2017.  
Actual dividend for FY2016 was 12 yen (Interim: 6yen / year-end: 6yen) and for FY2017 interim is 6 yen;  
however, for the purpose of comparison, dividends are shown here at post-share consolidation levels.

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Now, let me show our full-year forecasts for fiscal 2017.

We have revised our forecasts in light of the circumstances I described here and the most recent environment for attracting new orders.

Originally we projected orders received would reach 4,500 billion yen. Now we have lowered that forecast by 500 billion yen, to 4,000 billion yen. In the Power Systems segment, a number of large-scale orders we had expected to receive in fiscal 2017 are now unlikely to take place this year because of environmental assessments, financial closes, etc., so projected receipt of those orders has been shifted to fiscal 2018 or later. In addition, the market for thermal power generation systems is quite severe. For these reasons we have lowered our forecast of orders received in the Power Systems segment from 1,950 billion yen to 1,450 billion yen.

Our original net sales forecast was 4,150 billion yen. We have now lowered that projection by 100 billion yen, to 4,050 billion yen. We lowered our sales forecast for the Power Systems segment in reflection of the current severity in attracting new orders, including short-term contracts.

We originally projected operating income of 230 billion yen, but now we have lowered that forecast by 50 billion yen, to 180 billion yen. The reduction mainly stems from our lowered sales forecast, by 45 billion yen, for the Power Systems segment. We also lowered our forecast for the Industry & Infrastructure segment, by 5 billion yen. In this case, the reduced projection was made in view of slight deterioration in costs along with

the completion of problematic chemical plant projects.

For the various reasons just elaborated, we have lowered our ordinary income forecast by 40 billion yen, from 210 billion yen to 170 billion yen. We have also trimmed our projected net income attributable to owners of parent by 20 billion yen, from 100 billion yen to 80 billion yen.

We have also revised our ROE outlook from 5.5% to 4.4%, and our EBITDA forecast from 430 billion yen to 370 billion yen.

We have retained our free cash flow forecast, for the time being, at 100 billion yen, in reflection of the various measures we are taking, including asset management.

At our Board of Directors meeting today, it was decided to disburse an interim dividend of 6 yen per share. This is before the share consolidation, ten to one, carried out on October 1st. Our full-year dividend forecast, calculated per share prior to share consolidation, is 12 yen. This calculates to 120 yen per share after share consolidation.

## Forecast for FY2017 by Segment<sup>(\*)</sup>



(In billion yen)

	Orders received				Net sales				Operating income			
	FY2016 (Actual)	FY2017 (Forecast)		Change	FY2016 (Actual)	FY2017 (Forecast)		Change	FY2016 (Actual)	FY2017 (Forecast)		Change
		As of Oct.31	As of July 31			As of Oct.31	As of July 31			As of Oct.31	As of July 31	
Power Systems	1,726.3	1,450.0	1,950.0	- 276.3	1,448.4	1,550.0	1,650.0	+101.5	108.1	100.0	145.0	- 8.1
Industry & Infrastructure	1,590.3	1,900.0	1,900.0	+309.6	1,747.0	1,850.0	1,850.0	+102.9	50.0	80.0	85.0	+29.9
Aircraft, Defense & Space	955.0	600.0	600.0	- 355.0	703.4	650.0	650.0	- 53.4	0.9	10.0	10.0	+9.0
Others	160.4	150.0	150.0	- 10.4	175.9	150.0	150.0	- 25.9	10.7	10.0	10.0	- 0.7
Eliminations or Corporate	- 156.6	- 100.0	- 100.0	+56.6	- 160.7	- 150.0	- 150.0	+10.7	- 19.3	- 20.0	- 20.0	- 0.6
Total	4,275.6	4,000.0	4,500.0	- 275.6	3,914.0	4,050.0	4,150.0	+135.9	150.5	180.0	230.0	+29.4

- Forecast revision mainly in Power Systems.
- There is no significant change in Industry & Infrastructure and Aircraft, Defense & Space.

(\*) The reported segments have been changed in line with the reorganization and business reconfiguration initiatives carried out effective April 1, 2017.

Here you can see our fiscal 2017 forecasts by segment.

As I explained on the previous page, we have revised our orders received, net sales and operating income forecasts, especially for the Power Systems segment, in light of current conditions.

This completes my presentation of our results for the first half of fiscal 2017. Thank you.

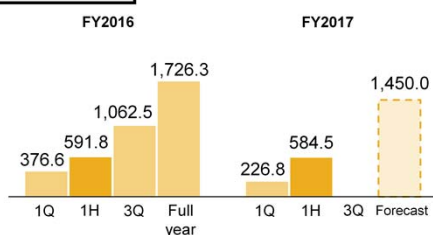
## III. Supplementary Information

Supplementary Information (1) Financial Results by Business Segment  
**< Power Systems >**

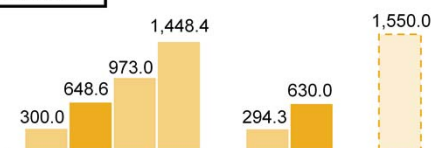


(In billion yen, accumulated amount)

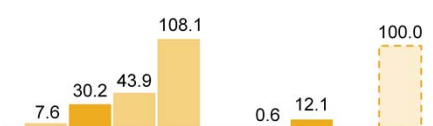
**Orders Received**



**Net Sales**



**Operating Income**



**Orders received : Down ¥7.2 billion YoY**

- Increased : GTCC<sup>(\*)</sup>, Compressors
- Decreased : Conventional thermal power

(\*) GTCC: Gas turbine combined cycle

[Gas turbine orders received]

		North America	Asia	Japan	Others	Total
FY2016-1H	Large size	4	2	-	2	8
	Small to medium size	-	1	-	-	1
	Total	4	3	0	2	9
FY2017-1H	Large size	-	2	-	2	4
	Small to medium size	-	-	-	1	1
	Total	0	2	0	3	5

[Backlog of Gas turbine orders received]

	Large size	Small to medium size	Total
As of Sep. 30 2016	38	30	68
As of Mar. 31 2017	43	14	57
As of Sep. 30 2017	43	13	56

**Net sales : Down ¥18.6 billion YoY**

- Increased : Conventional thermal power
- Decreased : GTCC, Nuclear power

**Earnings : Down ¥18.0 billion YoY**

- Decreased  
 GTCC, Nuclear power: Decreased sales etc.

**Full-year forecasts :**

- Orders received has been revised downward, from ¥1,950.0 billion to ¥1,450.0 billion
- Net sales has been revised downward, from ¥1,650.0 billion to ¥1,550.0 billion
- Operating income has been revised downward, from ¥145.0 billion to ¥100.0 billion

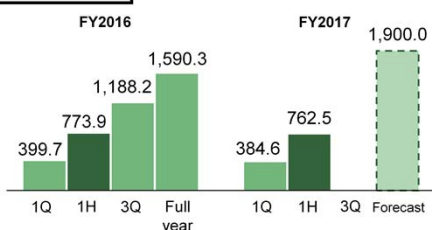


Supplementary Information (1) Financial Results by Business Segment  
**< Industry & Infrastructure >**



(In billion yen, accumulated amount)

**Orders Received**



**Orders received : Down ¥11.4 billion YoY**

- Increased : Metals machinery, Forklift trucks
- Decreased : Commercial ships, Chemical plants

Number of ships orders received

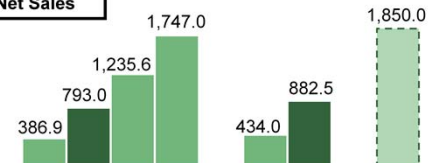
FY2016-1H: 6 (1Q: 4, 2Q: 2, 3Q: 0, 4Q: 3)

FY2017-1H: 2 (1Q: 1, 2Q: 1)

Backlog of ship orders: 29

(10 LNG carriers, 4 LPG carriers, 4 roll-on/roll-off ships and others)

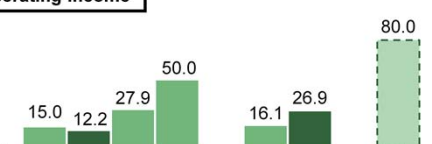
**Net Sales**



**Net sales : Up ¥89.4 billion YoY**

- Increased : Forklift trucks, Transportation systems
- Decreased : Metals machinery

**Operating Income**



**Earnings : Up ¥14.7 billion YoY**

- Increased  
Forklift trucks, Turbochargers: Increased sales, etc.

**Full-year forecasts :**

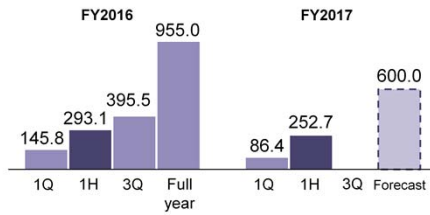
- Operating income has been revised downward, from ¥85.0 billion to ¥80.0billion

Supplementary Information (1) Financial Results by Business Segment  
**< Aircraft, Defense & Space >**



(In billion yen, accumulated amount)

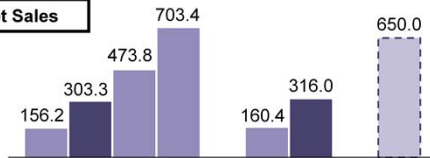
**Orders Received**



**Orders received : Down ¥40.4 billion YoY**

- Increased : Naval vessels, Space systems
  - Decreased : Defense aircraft, Special vehicles
- Accumulated number of MRJ orders received: 427  
 (firm orders: 233 / options and purchase rights: 194)

**Net Sales**



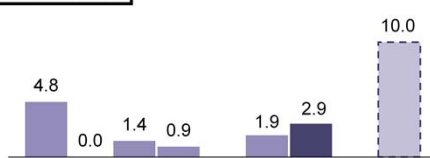
**Net sales : Up ¥12.6 billion YoY**

- Increased : Space systems
- Decreased : Defense aircraft, Missile systems

Number of B777s delivered  
 FY2016 (actual) : 91 (1Q: 27, 2Q: 24, 3Q: 19, 4Q: 21)  
 FY2017 (forecast) : 57 (1Q: 17, 2Q: 15, 3-4Q: 25[planned])

Number of B787s delivered  
 FY2016 (actual) : 125 (1Q: 36, 2Q: 31, 3Q: 25, 4Q: 33)  
 FY2017 (forecast) : 141 (1Q: 36, 2Q: 36, 3-4Q: 69[planned])

**Operating Income**



**Earnings : Up ¥2.9 billion YoY**

- Increased  
 Space systems: Increased sales  
 Commercial aircraft: Cost improvement etc.

**Full-year forecasts :**

- No change

## Supplementary Information (2) Reference Data



### 1. R&D Expenses, Depreciation and Capital Expenditure

(In billion yen)

	FY2016 1H	FY2017 1H	FY2017 (Forecast)
R&D Expenses	66.0	61.6	170.0
Depreciation	79.8	82.8	180.0
Capital Expenditure	93.7	71.2	200.0

### 2. Selling, General and Administrative Expenses

(In billion yen)

	FY2016 1H	FY2017 1H
SG&A	281.9	290.6

### 3. Foreign Exchange Rates (For sales)

(In yen)

	FY2016 1H	FY2017 1H
US\$	106.7	111.3
Euro	117.4	125.7

## Supplementary Information (2) Reference Data



(In billion yen)

### 4. Overseas Sales by Region

	FY2016 1H	FY2017 1H
North America	319.1 (19%)	329.6 (18%)
Asia	288.0 (16%)	317.6 (18%)
Europe	204.9 (12%)	190.4 (10%)
Central & South America	42.3 (2%)	72.0 (4%)
The Middle East	55.9 (3%)	70.9 (4%)
Africa	56.5 (3%)	39.9 (2%)
Oceania	15.3 (1%)	14.5 (1%)
Total	982.4 (56%)	1,035.1 (57%)

### 5. Segment Information by Geographic Distribution

		FY2016 1H	FY2017 1H
Japan	Net sales	1,334.9	1,369.7
	Operating income	28.8	24.1
North America	Net sales	217.4	226.8
	Operating income	2.8	4.5
Asia	Net sales	170.9	193.8
	Operating income	14.8	13.7
Europe	Net sales	181.3	181.0
	Operating income	-7.7	-3.4
Others	Net sales	43.2	51.8
	Operating income	-0.3	-0.7
Eliminations or Corporate	Net sales	-197.4	-197.8
	Operating income	-	-
Total	Net sales	1,750.5	1,825.4
	Operating income	38.4	38.2

**MOVE THE WORLD FORWARD**

**mitsubishi  
heavy  
industries  
group**

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