Financial Results for FY2022

For the Year ended March 31, 2023

May 10, 2023 Kawasaki Heavy Industries, Ltd.





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Notice

Figures recorded in the business forecasts are forecasts that reflect the judgment of the Company based on the information available at the time of release and include risks and uncertainties. Accordingly, the Company cautions investors not to make investment decisions solely on the basis of these forecasts. Actual business results may differ materially from these business forecasts due to various important factors resulting from changes in the external environment and internal environment. Important factors that may affect actual business results include, but are not limited to, economic conditions, the yen exchange rate against the U.S. dollar and other currencies, the tax system, and laws and regulations. Our company has adopted IFRS (International Financial Reporting Standards) since the first quarter of FY2022, and its financial information for the comparative fiscal year, FY2021, is also based on IFRS.

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Consolidated Results for FY2022 -Summary-



Revenue and profits grew significantly YoY, and orders received, revenue and profit attributable for owners of parent hit a record high



The January-March quarter was largely as planned, with the concentration of provision for bonuses and settlement of various expenses

										(Billion Yen)
	FY2021		FY2022						Change		
	112021	Forecast	Apr. to Jun.	Jul. to Sep.	Oct. to Dec.	Jan. to Mar.	Total		YoY	vs. C	ld FCST
Orders Received	1,602.1	1,950.0	412.0	454.5	609.9	560.9	2,037.4	+	435.3	+	87.4
Revenue	1,500.8	1,750.0	350.3	409.4	436.5	529.2	1,725.6	+	224.7	-	24.4
Operating Profit (Loss)	30.3	86.0	4.5	26.2	50.0	4.4	85.2	+	54.9	-	0.8
[margin]	[2.0%]	[4.9%]	[1.3%]	[6.4%]	[11.4%]	[0.8%]	[4.9%]		[+ 2.9pt]	Ľ	+ 0.0pt]
Recurring Profit (Loss)	27.6	78.0	10.6	25.3	36.1	1.1	73.2	+	45.6	-	4.8
[margin]	[1.8%]	[4.4%]	[3.0%]	[6.1%]	[8.2%]	[0.2%]	[4.2%]		[+ 2.4pt]	L	[- 0.2pt]
Profit (Loss) Attributable to Owners of Pare	_{ent} 12.6	54.0	5.4	18.3	28.7	2.5	55.0	+	42.4	+	1.0
[margin]	[0.8%]	[3.0%]	[1.5%]	[4.4%]	[6.5%]	[0.4%]	[3.1%]		[+ 2.3pt]	[+ 0.1pt]
(Before-tax ROIC)	(3.3%)	-	-	-	-	-	(8.0%)	+	4.7pt		-
After-tax ROIC %1	1.6%	-	-	-	-	-	5.9%	+	4.3pt		-
Weighted-average exchange rates (USD/JPY)	111.90	-	124.76	135.72	141.37	131.45	133.96	+	22.06		-
US dollar-based transaction (B\$) ※2	1.76	2.02	0.41	0.45	0.54	0.65	2.05	+	0.29	+	0.03

%1 In line with the formula change, we have revised the 2021 before-tax ROIC from 3.0% to 3.3%. See page 43 for formulas for calculating before-tax ROIC and after-tax ROIC.

※2 Amount in foreign currency calculated by deducting dollar-denominated purchases from dollar-denominated revenue of Kawasaki Heavy Industries, Ltd, Kawasaki Railcar manufacturing Co., Ltd., and Kawasaki Motors, Ltd.(to include dollar-denominated revenue of loss provisions). The estimated impact on business profit due to a 1 yen fluctuation in the exchange rate. See page 43 for the breakdown of these figures by segment.

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(Billion Ven)



Consolidated Results for FY2022 -Segment-



Revenue and Profits significantly improved due to the passenger demand recovery (Aerospace Systems), strong outdoor leisure demand (PS&E), and the depreciation of the yen (1)



Investment related to DX and IT infrastructure increased, and an impairment loss was recorded in PCR viral testing service business due to downgrading of COVID-19

	Orders Received			Revenue			Business Profit (Loss)		
	FY2021	FY2022	Change	FY2021	FY2022	Change	FY2021	FY2022	Change
Aerospace Systems	383.3	345.5	- 37.7	298.2	348.8	+ 50.6	- 10.3	17.8	+ 28.1
Rolling Stock	71.5	313.2	+ 241.7	126.6	131.9	+ 5.2	2.2	1.3	- 0.8
Energy Solution & Marine Engineering	343.5	439.0	+ 95.4	297.3	314.5	+ 17.2	- 10.8	3.9	+ 14.7
Precision Machinery & Robot	271.8	262.0	- 9.8	252.6	252.6	+ 0.0	13.9	8.7	- 5.1
Powersports & Engine ^{**1}	447.9	591.1	+ 143.2	447.9	591.1	+ 143.2	37.5	71.5	+ 34.0
Others	84.0	86.4	+ 2.4	78.0	86.3	+ 8.3	3.1	- 1.8	- 4.9
Eliminations and corporate ^{**2}	-	-	_	-	-	-	- 5.2	- 16.2	- 10.9
Total	1,602.1	2,037.4	+ 435.3	1,500.8	1,725.6	+ 224.7	30.3	85.2	+ 54.9

*1 From Q3 FY'22, the reportable segment name of 'Motorcycle & Engine' has been changed to 'Powersports & Engine'.

%2 "Eliminations and corporate" includes some expenses incurred at Head Office which were not allocated to each industry segment for internal reporting.

(2)

(Billion Yen)



Consolidated Results for FY2022 -Statement of comprehensive income-

				(Billion Yen)
	FY2021	%	FY2022 %	Change
Revenue	1,500.8	100.0	1,725.6 100.0	+ 224.7
Cost of sales	1,247.6	83.1	1,391.7 1 80.7	+ 144.1
Gross profit	253.2	16.9	333.8 19.3	+ 80.5
Selling, general and administrative expenses	211.1	14.1	249.3 14.5	+ 38.2
Salaries and allowances	59.8		70.4	+ 10.5
Research and development expenses	45.7		50.7	+ 4.9
Others	105.4		128.1	+ 22.7
Share of profit (loss) of investments accounted for using equity method	- 14.4		3.3	3 + 17.7
Other income and other expenses	2.6		- 2.4	- 5.1
Gain on sale of property, plant and equipment	1.6		0.6	- 1.0
Others	0.9		- 3.1	- 4.1
Business Profit (Loss)	30.3	2.0	85.2 4.9	+ 54.9

 Improved due to increasing sales amount, price pass-through, and depreciation of the yen, despite the rising raw material prices

- Increase in expenses related to DX, hydrogen business and other new businesses
- 3 Improvement in business performance mainly at a joint venture in China (Ship & offshore structure)
- Impairment loss in PCR viral testing service business (¥ -2.4bn) and one-time cost in Aero engine business (¥-1.6bn)

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Details

Consolidated Results for FY2022 -Statement of comprehensive income-

					(Bil	lion Yen)
	FY2021	%	FY2022	%	Cha	nge
Finance income and Finance costs	- 2.6		- 12.0		-	9.3
Net Interest expense (incl. dividend income)	- 1.7		- 3.0		-	1.3
Gain and loss on foreign exchange	0.5		5 - 4.6		-	5.2
Others	- 1.5		- 4.2		-	2.6
Profit before tax	27.6	1.8	73.2	4.2	+	45.6
Income tax expense	12.8		15.9		+	3.1
Profit attributable to Non-controlling interests	2.1		2.2		+	0.0
Profit attributable to owners of parent	12.6	0.8	55.0	3.2	+	42.4

Details

5 Mainly due to the time difference between deposits and withdrawals

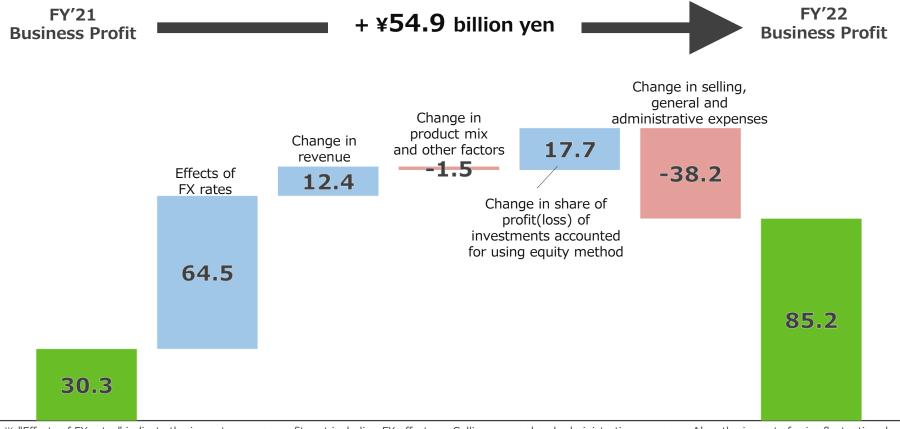
> USD/JPY rate 133.54 Mar. 31,'23

Weighted-average exchange rates 133.96 FY '22



Consolidated Results for FY2022 -Details of change in business profit-

The depreciation of the yen and fixed cost reduction covered the rising raw material prices Change in product mix and other factors kept positive in PS&E due to successful price pass-through



* "Effects of FX rates" indicate the impact on gross profit, not including FX effects on Selling, general and administrative expenses. Also, the impact of price fluctuation due to currency fluctuations is included in "Change in product mix and other factors" and "Changes in Selling, general and administrative expenses".

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Consolidated Results for FY2022 -Details of change in business profit-

(Billion Yen)

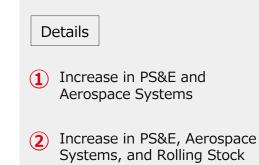
	FY2021		De	tails of chang	e			FY2022
	Business Profit (Loss)	Effects of FX rates ^{**}	Change in sales ^{**}	Change in product mix and other factors [%]	Change in share of profit (loss) of investments accounted for using equity method	Change in SG & A expenses	Total	Business Profit (Loss)
Aerospace Systems	- 10.3	15.3	1.1	13.0		- 1.3	28.1	17.8
Rolling Stock	2.2	1.8	0.4	- 2.7	- 0.0	- 0.3	- 0.8	1.3
Energy Solution & Marine Engineering	- 10.8	2.5	2.4	- 0.4	17.2	- 7.0	14.7	3.9
Precision Machinery & Robot	13.9	9.7	- 1.4	- 8.3	0.6	- 5.7	- 5.1	8.7
Powersports & Engine	37.5	34.9	8.2	3.1	- 0.1	- 12.1	34.0	71.5
Others	3.1	0.3	1.7	- 5.2	- 0.0	- 1.7	- 4.9	- 1.8
Eliminations and corporate	- 5.2			- 1.1	- 0.0	- 9.8	- 10.9	- 16.2
Total	30.3	64.5	12.4	- 1.5	17.7	- 38.2	54.9	85.2

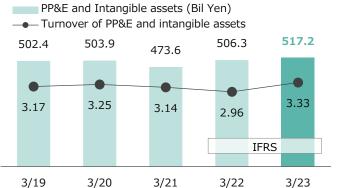
* Effects of foreign exchange rates, change in revenue, and change in product mix are approximate values calculated by our company based on certain criteria. In addition, each factor of change is often indivisible, and in particular, it may be desirable to check the change in revenue and change in product mix.

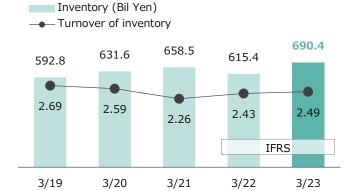
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Consolidated Results for FY2022 -Statement of financial position-

					(Bi	llion Yen)
	End of		End of		Cha	inge
	Mar. 2022	%	Mar. 2023		Cha	inge
Cash and cash equivalents	108.5		138.4		+	29.9
Trade receivables (Incl. contract assets)	482.9		592.6		+	109.7
Inventories	615.4		690.4		+	74.9
Other current assets	113.2		151.7		+	38.5
Current assets	1,320.2	60.7	1,573.2	64.0	+	253.0
PP&E and intangible assets	506.3		517.2		+	10.9
Right-of-use assets	58.5		68.4		+	9.8
Deferred tax assets	102.2		109.3		+	7.1
Other non-current assets	187.3		191.4		+	4.0
Non-current assets	854.4	39.3	886.4	36.0	÷	32.0
Total assets	2,174.6	100.0	2,459.7	100.0	+	285.1



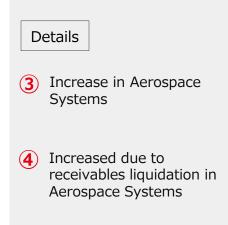




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Consolidated Results for FY2022 -Statement of financial position-

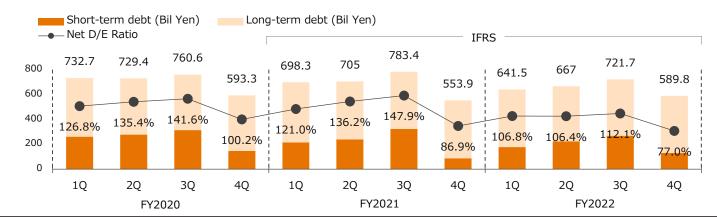
					(В	illion Yen)
	End of		End of		Chr	220
	Mar. 2022	%	Mar. 2023	%		ange
Trade payables	344.2		395.1			50.9
Interest-bearing debt	553.9		589.8		+	35.9
Contract liability (Advances received)	256.1		256.2		+	0.0
Provision for losses on construction contracts	9.6		4.6		-	4.9
Retirement benefit liability	107.0		91.5			15.4
Other liabilities	378.7		523.3		4	144.5
Total liabilities	1,649.7	75.9	1,860.8	75.7	+	211.1
Equity attributable to owners of parent	505.4		578.2		+	72.7
Non-controlling interests	19.4		20.6		+	1.2
Total equity	524.8	24.1	598.9	24.3	+	74.0
Total liabilities and equity	2,174.6	100.0	2,459.7	100.0	+	285.1



Appendix

Cash Conversion	Cycle (day)
End of FY'18	111
End of FY'19	133
End of FY'20	153
End of FY'21	133
End of FY'22	150

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Consolidated Results for FY2022 -Cash Flows-

		(Billion Yen)
FY2021	FY2022	Change
27.6	73.2	+ 45.6
77.5	77.3	- 0.1
30.4	- 157.2	- 187.6
23.2	- 107.1	- 130.3
- 37.9	- 64.2	- 26.2
- 15.1	46.3	+ 61.5
- 31.7	- 28.5	+ 3.1
92.0	- 3.7	- 95.8
21.2	30.1	+ 8.9
156.8	23.6	- 133.2
- 67.6	- 69.9	- 2.3
4.9	2.2	- 2.7
4.2	- 9.7	- 13.9
- 58.3	- 77.4	- 19.0
98.4	- 53.8	- 152.3
- 95.7	22.1	+ 117.9
- 3.3	- 8.3	- 4.9
6.5	92.8	+ 86.2
- 16.3	- 21.2	- 4.9
- 108.9	85.3	+ 194.2
	27.6 77.5 30.4 23.2 - 37.9 - 15.1 - 31.7 92.0 21.2 156.8 - 67.6 4.9 4.2 - 58.3 98.4 - 95.7 - 3.3 6.5 - 16.3	27.6 73.2 77.5 77.3 30.4 -157.2 23.2 -107.1 -37.9 -64.2 -15.1 46.3 -31.7 -28.5 92.0 -3.7 21.2 30.1 156.8 23.6 -67.6 -69.9 4.9 2.2 4.2 -9.7 4.3 -77.4 98.4 -53.8 -95.7 22.1 -3.3 -8.3 6.5 92.8 -16.3 -21.2

×1,2 Trade receivables include contract assets. The old account name of contract liabilities is advances received

Details

(Billion Yen)

1 FY2021 :

An increase in advance receipt in Aerospace, and good progress in receivable collection in Plant Engineering and Rolling Stock in working capital components

FY2022:

Despite a high level of profit before tax, significant cash outflows in working capital components, including an increase in trade receivables and inventories due to a recovering Aerospace Systems and strong performance in PS&E

- Capital increase to equitymethod affiliates (about ¥ 5 bn)
- FY2021 : Repayment of debt increased in line with business recovery FY2022 : Supplementing working capital through free cash outflows

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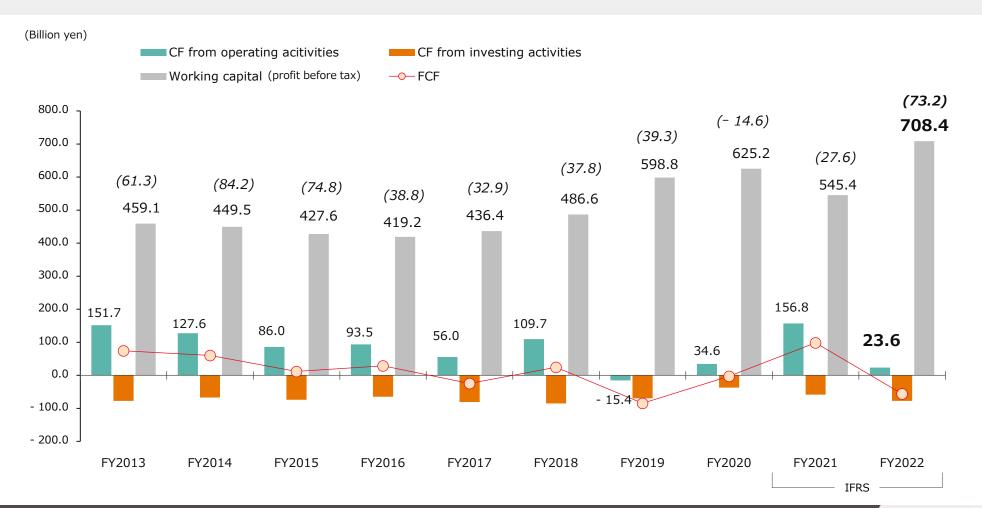
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Consolidated Results for FY2022 -Cash Flows-

Operating CF is deteriorated due to temporary increase in working capital, with a sharp recovery in order-based businesses and sales growth in Powersports & Engine, but it is expected to be normalized in FY2023



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Forecasts for FY2023 -Summary-

Business profit is expected to grow in real terms, excluding the impact of FX, and steady improvement in profitability, though profit is expected to decrease YOY

Order-based businesses are on a improvement trend as assumed, resulting in better balanced profit mix

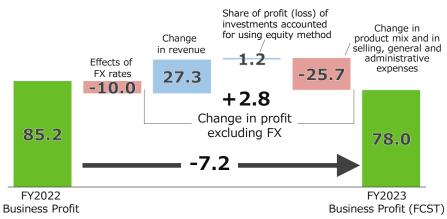
				(Billion Yen)
	FY2022 Actual	FY2023 Forecast	C	hange
Orders Received	2,037.4	1,900.0	-	137.4
Revenue	1,725.6	1,900.0	+	174.4
Business Profit [Margin	85.2] [4.9%]	78.0 [4.1%]	-	7.2 [- 0.8pt]
Profit Before Tax	73.2	70.0	-	3.2
[Margin] [4.2%]	[3.6%]		[- 0.5pt]
Profit Attributable to Owners of Parent	55.0	47.0	-	8.0
[Margin] [3.1%]	[2.4%]		[- 0.7pt]
After-tax ROIC	5.9%	4.9%	-	1.0pt
Weighted-average exchange rates (USD/JPY)	133.96	130.00	-	3.96
US dollar-based transaction (B\$)	2.05	2.52	+	4.70

**Amount in foreign currency calculated by deducting dollar-denominated purchases from dollar-denominated revenue of Kawasaki Heavy Industries, Ltd., Kawasaki Railcar manufacturing Co., Ltd., and Kawasaki Motors, Ltd. (to include dollar-denominated of loss provisions). The estimated impact on business profit due to a 1 yen fluctuation in the exchange rate. See page 43 for the breakdown of these figures by segment.

Supplemental Information on FY2023 Forecast

- Business profit is at the level announced in the Group Vision 2030 progress report meeting in December 2022 ²/_{×2} FY2023 BP (FCST) : ¥76.0 bn+a
- In particular, the profitability of order-based businesses, such as Aerospace Systems, Rolling Stock, and ES&M, are improved as expected, and our company will be more resilient to changes in the external environment

The strong performance of PS&E exceeded our expectations in FY22, resulting in a companywide business profit of ¥85.2bn, significantly exceeding expectations at the time



Figures are approximate values calculated by our company based on certain criteria. Effects of FX rates are calculated for USD and EUR, while the affects of other currencies are included in Change in product mix and in selling, general and administrative expenses

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Forecasts for FY2023 -Segment-

Aerospace Systems will enjoy further recovery in passenger demand (1)

(Billion Yen)

PS&E sales are expected to remain strong, but increased sales promotion costs will deteriorate both revenue and profit (2)

	Or	ders Recei	ved		Revenue		Busir	ness Profit	(Los	5)
	FY2022	FY2023	Change	FY2022	FY2023	Change	FY2022	FY2023	Ch	ange
Aerospace Systems	345.5	540.0	+ 194.5	348.8	440.0	+ 91.2	17.8	24.0	+	6.2
Rolling Stock	313.2	80.0	- 233.2	131.9	190.0	+ 58.1	1.3	4.0	+	2.7
Energy Solution & Marine Engineering	439.0	330.0	- 109.0	314.5	340.0	+ 25.5	3.9	9.0	+	5.1
Precision Machinery & Robot	262.0	270.0	+ 8.0	252.6	260.0	+ 7.4	8.7	10.0	+	1.3
Powersports & Engine	591.1	580.0	- 11.1	591.1	580.0	- 11.1	71.5	47.0	-	24.5
Ohters	86.4	100.0	+ 13.6	86.3	90.0	+ 3.7	- 1.8	2.0	+	3.8
Eliminations and corporate [*]	-	-	-	-	-	-	- 16.2	- 18.0	-	1.8
Total	2,037.4	1,900.0	- 137.4	1,725.6	1,900.0	+ 174.4	85.2	78.0	-	7.2

* "Eliminations and corporate" includes some expenses incurred at Head Office which were not allocated to each industry segment for internal reporting.

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FY2022 (vs. F)	(2021)				F١	(2023	foreca	ast (vs. FY	2022))		
Orders received -¥37.7 bil.	year when m	ajor orde an increa	to the previous ers were receive ase in compone aero engines	ed from		Orders received +¥194		Expected to for MOD, Bo for commerc	eing and	d compo	nent par	
Revenue $+$ ¥50.6 bil.	Increased du component p engines and	arts for c	ocrease in commercial aero	D	I	Revenue +¥91	e 🟹 2 bil.	Same as ab	ove			
Business profit +¥28.1 bil.	Improved due to revenue increase and an profitability improvement in component parts for commercial aero engines					Business profit _+¥6	5.2 bil.	Expected to increase due to a revenue increase				
Orders received (bill	ion yen)		Net Sales	or Reven	ue (billion	yen)		Operating F	Profit or B	usiness Pr	ofit (billior	ı yen)
414.9 329.5	(FCST in Feb.) 300.0 383.3 345.5	540.0	532.5	377.7	[f 298.2	CST in Feb. 360.0 348.8	440.0	42.7	- 31.6	- 10.3	FCST in Feb. 12.5 • • •	24.0
									_			

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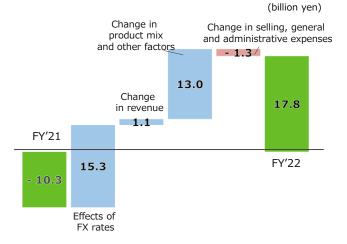
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Details by Segment -Aerospace systems-

	FY2021		FY2		FY2023					
	Actual	FCST in Feb.	Actual	Chg.	Chg. Vs. FY21 Chg. Vs. FCST			Forecast	Chg	Vs. FY22
Orders Received	383.3	300.0	345.5	-	37.7	+	45.5	540.0	+	194.5
Aerospace	329.5	225.0	253.9	-	75.5	+	28.9	410.0	+	156.1
Aero Engine	53.8	75.0	91.5	+	37.7	+	16.5	130.0	+	38.5
Revenue	298.2	360.0	348.8	+	50.6	-	11.2	440.0	+	91.2
Aerospace	232.0	255.0	249.3	+	17.3	-	5.7	320.0	+	70.7
Aero Engine	66.1	105.0	99.5	+	33.3	-	5.5	120.0	+	20.5
Business Profit (Loss)	- 10.3	12.5	17.8	+	28.1	+	5.3	24.0	+	6.2
[Margin]	[- 3.4%]	[3.4%]	[5.1%]		[+ 8.5pt]		[+ 1.6pt]	[5.4%]		[+ 0.3pt]

Details of change in Business Profit(Loss)



Appendix

Number of aircraft component parts sold to Boeing

	FY'21	FY'22	Change
767	34	31	-3
777	21	28	+7
777X	4	0	-4
787	35	20	-15

Number of jet engine component parts sold

(Billion Yen)

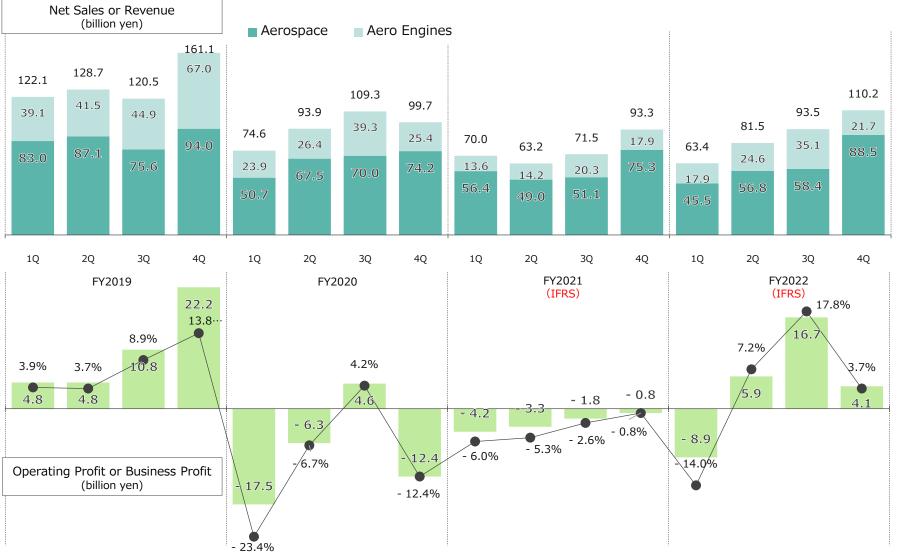
	FY'21	FY'22	Change
V2500	16	20	+4
PW1100G	437	564	+127

%Number of jet engine component parts sold to Rolls-Royce is not disclosed

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Details by Segment -Aerospace systems-

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Details by Segment -Aerospace systems-

Market Overview

- Commercial business
 - Air passenger demand is recovering from the great impact of COVID-19, with the end of zero-COVID policy in China and a0n increase in the number of countries prioritizing the resumption of economic activities especially in Europe and North America
 - Boeing resumed delivery of 787 to airlines.
 Higher production rates are expected.
- MOD business
 - Demand growth and profitability improvement are expected due to Japan's defense reinforcement policy

Specific Efforts



Securing stable revenue in core business

- Cost reductions in existing orders of aircrafts for Boeing and commercial aircrafts jet engines
- Arranging supply chain and production system to prepare for increased production

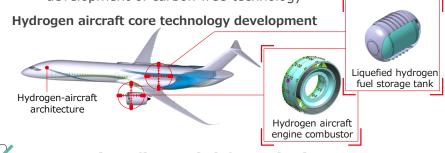


787 component parts deliveries is to increase as demand recovers

 Steady promotion of existing projects of development and mass production for MOD aircrafts and helicopters

Technology strategy in accordance with the change in market trends

- R&D, including the use of civilian technology in defense fields
- Utilization of *Green Innovation fund* of government for development of carbon-free technology



Improving financial foundation

- Review of fixed cost structure
- Reduction of inventories through production innovation activities



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Details by Segment - Rolling Stock -

FY2022 (vs. F	FY2022 (vs. FY2021)						FY2023 forecast (vs. FY2022)							
Orders received +¥241.7 bil.		Increased due to major orders such as optional subway cars for New York City Transit					received previous fis				to decrease compared to the iscal year when the major orders ived in the U.S. despite an n Japan			
Revenue+¥5.2 bil.	Increased du and Japan	Increased due to an increase in the U.S. and Japan				Revenue +¥58	e 🔀 8.1 bil.	Expected to increase due to an increase the U.S. despite a decrease in Asia				ise in		
Business profit	Long Island	Deteriorated due to the impact of delays in Long Island Rail Road project in the U.S., despite an increase in revenue					5 🔽 2.7 bil.	Expected to increase due to a revenue increase						
Orders received (bill	lion yen)		Net Sales	or Reven	ue (billion	yen)		Operating P	rofit or Bi	usiness Pr	ofit (billion	yen)		
FCST in 300.			136.5		l	CST in Feb.	190.0			2.2	CST in Feb. 1.0 ↓ 1.3	4.0		
125.7 77.0	71.5	80.0	136.5	133.2	126.6	131.9		- 3.8	- 4.5					
FY19 FY20	FY21 FY22 IFRS	FY23	FY19	FY20	FY21	FY22 - IFRS -	FY23	FY19	FY20	FY21	FY22 IFRS -	FY23		

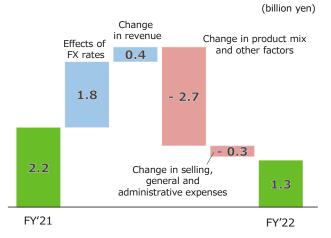
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Details by Segment - Rolling Stock -

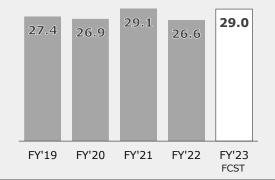
									`		
	FY2021		FY2	2022				FY2023			
	Actual	FCST in Feb. Actual			Chg. Vs. FY21 Chg. Vs. FCST			Forecast	Chg	. Vs. FY22	
Orders Received	71.5	300.0	313.2	+	241.7	+	13.2	80.0	-	233.2	
Domestic & Asia	65.1	47.0	58.1	-	6.9	+	11.1	76.0	+	17.9	
North America	6.4	253.0	255.1	+	248.7	+	2.1	4.0	-	251.1	
Revenue	126.6	140.0	131.9	+	5.2	-	8.1	190.0	+	58.1	
Domestic & Asia	92.2	99.5	94.8	+	2.5	-	4.7	80.0	-	14.8	
North America	34.4	40.5	37.1	+	2.7	-	3.4	110.0	+	72.9	
Business Profit	2.2	1.0	1.3	-	0.8	+	0.3	4.0	+	2.7	
[Margin]	[1.7%]	[0.7%]	[1.0%]		[- 0.7pt]		[+ 0.2pt]	[2.1%]		[+ 1.0pt]	

/ Details of change in Business Profit



Appendix

Revenue in components, overhaul and after-sales service(billion yen)



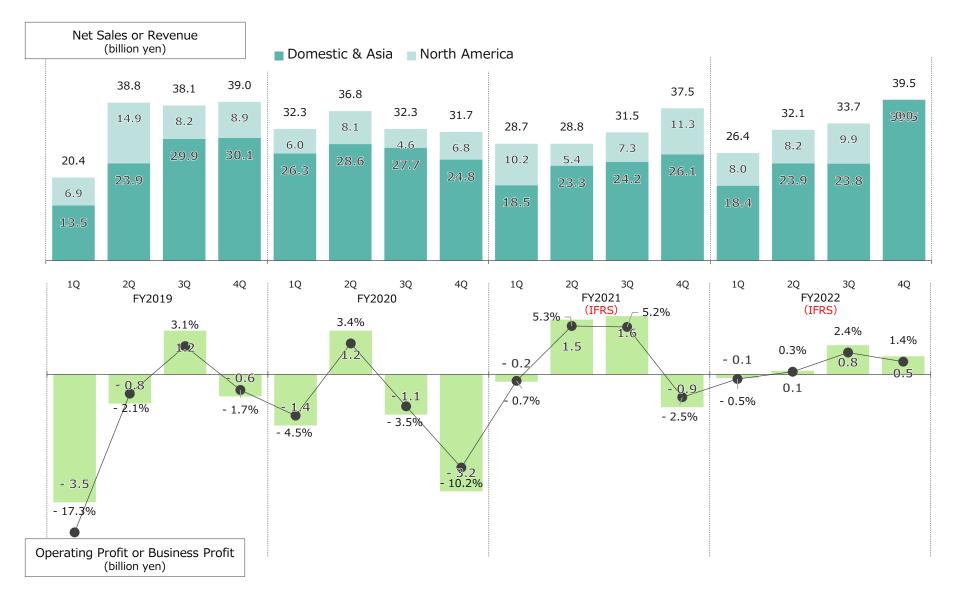
Progress of the M9 Project for Long Island Rail Road in the U.S. (End of Mar. '23)

(Billion Yen)

- 154 cars out of 202 were delivered
- KMM, the North American works, has started production of the last unit, and its delivery is scheduled for Q2 FY'23



Details by Segment - Rolling Stock -





Kawasaki



Details by Segment - Rolling Stock -

Market Overview

- The impact of COVID-19
 - Railway relate investment is resuming in both domestic and foreign markets as the impact of COVID-19 subsides
- Supply chain Risk
 - The impact of shortage of electronic components, logistics disruption, and rising raw material prices is limited, but still caution should be exercised
- Medium and long term forecast
 - The overseas railway market is expected to grow steadily due to the need for railway infrastructure in emerging countries and environmental measures in urban areas.



Rolling stock for Dhaka Mass Transit Company Limited

Specific Efforts

Compliance with delivery schedules for overseas projects

<u>Dhaka</u> MRT Line-6	 The first and second trains are undergoing functional tests All the 24 trains(144cars) have been shipped and 6 trains out of them have been delivered to the customer
	The last car and facilities will be delivered in FY'23 Q3
<u>U.S.</u> R211	 Proto-trains for R211A are undergoing verification test in operation line Mass production trains(20 cars) for R211A were delivered The production of trains(640 cars) for the option1 contract will start in FY'24
	 Verification test of proto-trains will be completed in FY'23 Q1 The last car for the base contract will be delivered in FY'24 Q4 The delivery of cars for the option1 contract will start in FY'25
<u>U.S.</u> M-9	 All trains (92 cars) under the base contract were delivered by Q1 FY'21 Option cars are being produced
	The last car will be delivered in FY'23 O2



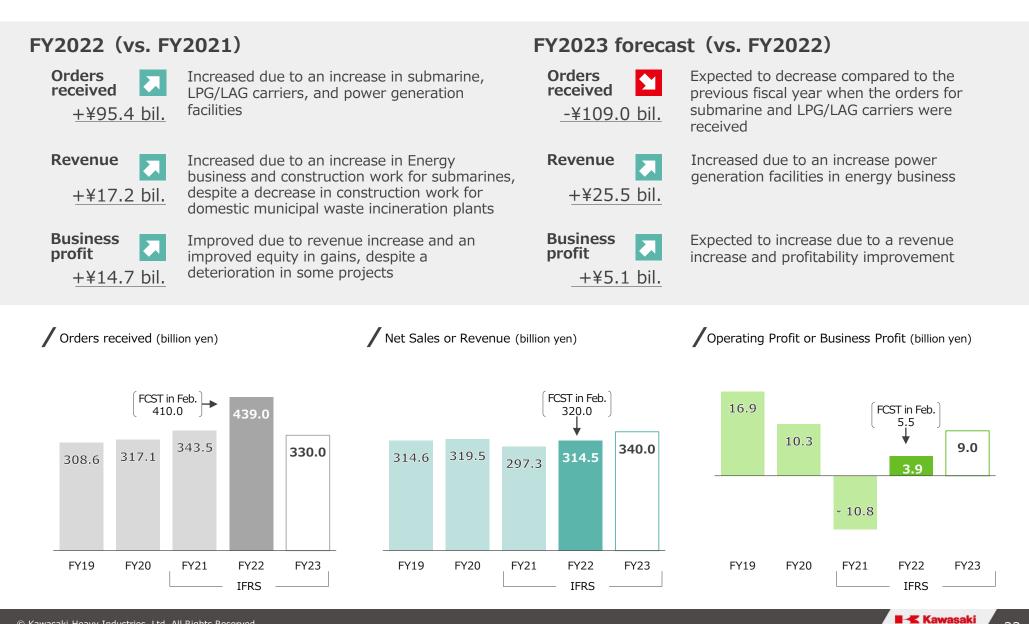
Achieving quality levels trusted by customers

- Reduction of spoilage and repair costs
- Further promotion of Kawasaki Production System, and installation to the U.S. works
- Expansion of components sales, after-sales service, and maintenance business
- Promotion of remote track monitoring service for North American market
- Promotion of train condition monitoring equipment for domestic market



Kawasaki

- Energy Solution & Marine Engineering -



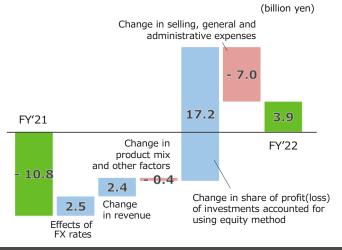
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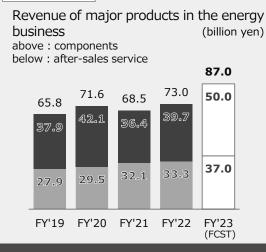
- Energy Solution & Marine Engineering -

	FY2021		FY2	2022				FY2023			
	Actual	FCST in Feb.	Actual	Chg	. Vs. FY21	Chg.	Vs. FCST	Forecast	Chg	. Vs. FY22	
Orders Received	343.5	410.0	439.0	+	95.4	+	29.0	330.0	-	109.0	
Energy, Plant & Marine Machinery	272.7	280.0	292.6	+	19.9	+	12.6	290.0	-	2.6	
Ship & Offshore Structure	70.8	130.0	146.3	+	75.5	+	16.3	40.0	-	106.3	
Revenue	297.3	320.0	314.5	+	17.2	-	5.5	340.0	+	25.5	
Energy, Plant & Marine Machinery	232.3	240.0	234.4	+	2.1	-	5.6	255.0	+	20.6	
Ship & Offshore Structure	64.9	80.0	80.0	+	15.1		0.0	85.0	+	5.0	
Business Profit (Loss)	- 10.8	5.5	3.9	+	14.7	-	1.6	9.0	+	5.1	
[Margin]	[- 3.6%]	[1.7%]	[1.2%]		[+ 4.9pt]		[- 0.5pt]	[2.6%]		[+ 1.4pt]	
Share of profit (loss) of investme accounted for using equity metho		4.0	6.0	+	17.2	+	2.0	5.5	-	0.5	

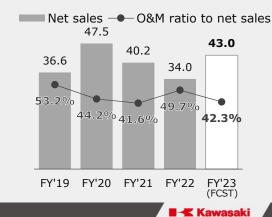
Details of change in Business Profit(Loss)



Appendix



Revenue of municipal waste incineration plants (billion yen)



(Billion Yen)

- Energy Solution & Marine Engineering -



Kawasaki

- Energy Solution & Marine Engineering -

Market Overview

Energy system & Plant Engineering

Domestic	Emerging Markets
Steady demand for	Steady demand for
distributed power plants	distributed power plants
and municipal waste	and other energy
incineration plants is	infrastructure is expected
expected to continue	to remain solid

Ship & Offshore Structure

Commercial ships	Submarines and others
Solid demand for LPG/LAG carriers is expected due to higher ammonia demand	Stable orders for submarines are expected

Entire segment

COVID-19 and other risks	Carbon neutrality
 Demand is recovering Gas fuel supply for power plants is in short Rising raw materials prices and logistics costs, and parts supply 	Inquiries and requests for cooperation are increasing regarding decarbonization solutions, including hydrogen products

Specific Efforts

Providing of products and services for a low-carbon and decarbonized society

Topic

✓ Seven orders received for LPG/LAG Carrier in FY'22 ✓ Have been received **12 consecutive orders** since Aug.'21

Reasons why we are chosen

- 1 Our track record of building LPG carriers
- Able to meet future demand for ammonia
- Ships that can dock at major LPG terminals with sufficient capacity



Developing products for the transition to decarbonized energy

Topic

Market launch of hydrogen co-firing Dry Low Emission combustors for all our gas turbines from 1 MW to 30 MW

- Hydrogen co-fired at a rate of up to 30% to achieve stable low-NOx operation



- Installation on existing equipment is possible through minor modifications

Agreed with Koriyama City for a joint research for CO₂ Capture Topic from waste incinerator emissions with solid sorbent (Feb.'23)

- The Japan's first use of solid sorbent for waste incinerators
- An energy saving Kawasaki CO2 Capture (KCC) system will be installed at an existing waste incineration facility
- Aim to **halve energy consumption and cost** by using cooler steam than conventional methods



shortage are concerned

3

- Precision Machinery & Robot -

FY2022 (vs. F)	Y2021)				FY	2023	foreca	nst (vs. FY	2022))		
Orders received -¥9.8 bil.	components f	Decreased due to a decrease in hydraulic components for construction machinery market in China despite an increase in Robotics				Orders eceived _+¥8	I 🔽 3.0 bil.	Expected to increase due to an increase in construction machinery market in developed countries				se
Revenue+¥0.0 bil.	Remained at the same level due to an increase in Robotics despite a decrease in hydraulic components for construction machinery market in China			R	evenue _+¥7	2.4 bil.	Same as above					
Business profit	Decreased due t electrical compo due to the China components for	nents, temporari 's lockdown, and	ly reduced o I decrease in	perations hydraulic	р	Business profit _+¥1	5 🟹 3 bil.	Expected to increase and				
Orders received (bill	lion yen)		Net Sales	or Revenu	ıe (billion	yen)		Operating F	Profit or B	usiness Pr	ofit (billion	yen)
259.4 218.8	271.8 262.0	270.0	217.3	240.8	(F	252.6	260.0	12.2	14.0	13.9	FCST in Fet	D.) 10.0
FY19 FY20	FY21 FY22	FY23	FY19	FY20	FY21	FY22 IFRS	FY23	FY19	FY20	FY21	FY22 IFRS -	FY23

27

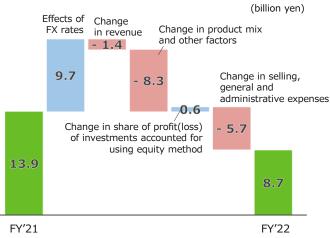
- Precision Machinery & Robot -

(Billion Yen)

	FY2021		FY2022					FY2023		
	Actual	FCST in Feb.	Actual	Chg	. Vs. FY21	Chg	. Vs. FCST	Forecast	Chg	. Vs. FY22
Orders Received	271.8	260.0	262.0	-	9.8	+	2.0	270.0	+	8.0
Hydraulic Components & Systems	171.6	155.0	154.6	-	17.0	-	0.4	160.0	+	5.4
Robotics	100.1	105.0	107.4	+	7.2	+	2.4	110.0	+	2.6
Revenue	252.6	250.0	252.6	+	0.0	+	2.6	260.0	+	7.4
Hydraulic Components & Systems	163.1	150.0	153.0	-	10.0	+	3.0	160.0	+	7.0
Robotics	89.5	100.0	99.6	+	10.1	-	0.4	100.0	+	0.4
Business Profit	13.9	10.0	8.7	-	5.1	-	1.3	10.0	+	1.3
[Margin]	[5.5%]	[4.0%]	[3.4%]		[- 2.0pt]		[- 0.6pt]	[3.8%]		[+ 0.3pt]
Share of profit (loss) of investme accounted for using equity metho		- 2.5	- 2.7	+	0.6	-	0.2	- 2.0	+	0.7

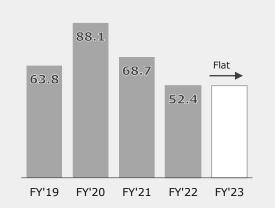
%Equity in earnings of affiliates for FY2021 was revised from -2.5 billion yen to -3.4 billion yen

/ Details of change in Business Profit



Appendix

Revenue of hydraulic components to China (billion yen)



Revenue of robots by segment (billion yen)

	FY'21	FY'22 (Change)	FY'23 FCST (Change)
Automobile assembly and painting	35.7	34.5 (-1.2)	38.0 (+3.5)
Semiconductor	36.3	43.7 (+7.4)	39.0 (-4.7)
General robots for industrial use and others	29.0	32.4 (+3.4)	38.0 (+5.6)
Total	101.1	110.6 (+9.5)	115.40 (+4.4)

※Including intercompany revenue

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Details by Segment - Precision Machinery & Robot -



Kawasaki

Powering your potential

3

- Precision Machinery & Robot -

Market Overview

- Construction machinery
 - China's lockdown under the zero-COVID policy depressed demand
 - Demand outside China was recovered from the impact of COVID-19 and remains solid
 - Electrification will be promoted due to the _ environmental regulations
 - Automation and autonomy will be promoted due to a shortage of skilled workers
- Robots
 - General purpose robots Demand for capital investment in automation remains strong globally
 - Robots for semiconductors

Demand has been stagnating at this moment due to the decline in the semiconductor memory market and the U.S.-China economic friction.

Supply chain risk

Electronic components shortage and logistics disruption are improving

Specific Efforts

- **Developing electrification and automation** technology for construction machinery
 - Developing "K-Axle", a small, high-performance electro-hydraulic system

Hydraulic system downsized by 50% by volume in preparation for large capacity battery installation

Concept model exhibited

in CONEXPO (Mar. '23)

Developing hydrogen-related products for decarbonization

- Launch of energy-saving hydraulic hydrogen compressors for hydrogen stations
 - Hydrogen gas compression control technology

• Rotation control pumps

system "ECO SERVO"

Energy Saving



image

Open innovation

Open innovation facility "YouComeLab" opened in "Future Lab HANEDA"*

%Kawasaki's robot demonstration facility

Startups and research institutes can demonstrate their programs with our robots such as service robot platform 'Nyokkey'

Accelerating the social installation of robots







FY2023 forecast (vs. FY2022)

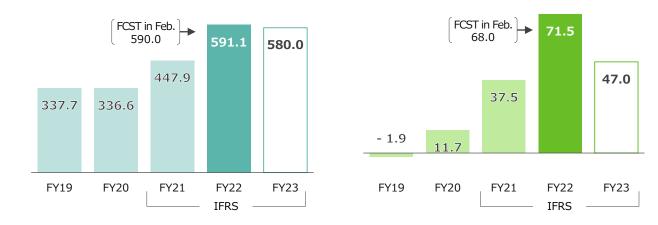
<u>۲</u> -¥11.1 bil.

Expected to decrease due to a decline in motorcycles for developed countries and assumption of strong yen in exchange rates, despite an increase in motorcycles for emeraina countries

Expected to decrease due to a revenue decrease and an increase in sales promotion cost

Net Sales or Revenue (billion yen)

Operating Profit or Business Profit (billion yen)

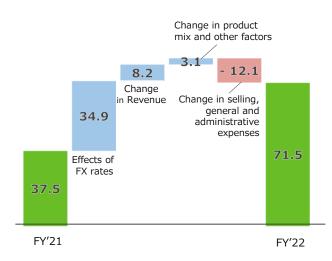


- Powersports & Engine -

									(
	FY2021		FY2	2022				FY2023		
	Actual	FCST in Feb.	Actual	Chg.	Vs. FY21	Chg.	Vs. FCST	Forecast	Chg	. Vs. FY22
Revenue	447.9	590.0	591.1	+	143.2	+	1.1	580.0	-	11.1
Motorcycles for developed contries	169.9	215.0	211.2	+	41.3	-	3.8	185.0	-	26.2
Motorcycles for emerging market	100.8	112.0	115.8	+	15.0	+	3.8	125.0	+	9.2
Utility Vehicles, ATVs & PWC	108.8	162.0	160.4	+	51.5	-	1.6	165.0	+	4.6
General-purpose gasoline engines	68.2	101.0	103.5	+	35.3	+	2.5	105.0	+	1.5
Business Profit	37.5	68.0	71.5	+	34.0	+	3.5	47.0	-	24.5
[Margin]	[8.3%]	[11.5%]	[12.1%]		[+ 3.7pt]		[+ 0.5pt]	[8.1%]		[- 3.9pt]

Details of change in Business Profit

(billion yen)



Appendix

Wholesales of motorcycles by country (thousand units)

Developed countries							
	FY'21	FY'22	Change				
Japan	31	27	-4				
U.S.	86	119	+33				
Canada	6	10	+3				
Europe	71	67	-3				
Australia	12	11	-1				
Total	208	237	+28				

Wholesale plan of motorcycles for FY'23 Developed countries : 220 thousand units Emerging countries : 360 thousand units Emerging countries

	FY'21	FY'22	Change
Brazil	10	10	-0
Thailand	7	3	-4
Philippines	161	209	+48
Indonesia	45	43	-1
China	37	30	-6
Others	21	20	-0
Total	283	318	+34

(Billion Yen)

Wholesales of four-wheeler and PWC

FY'21 : 81 thousand units

FY'22 : 87 thousand units

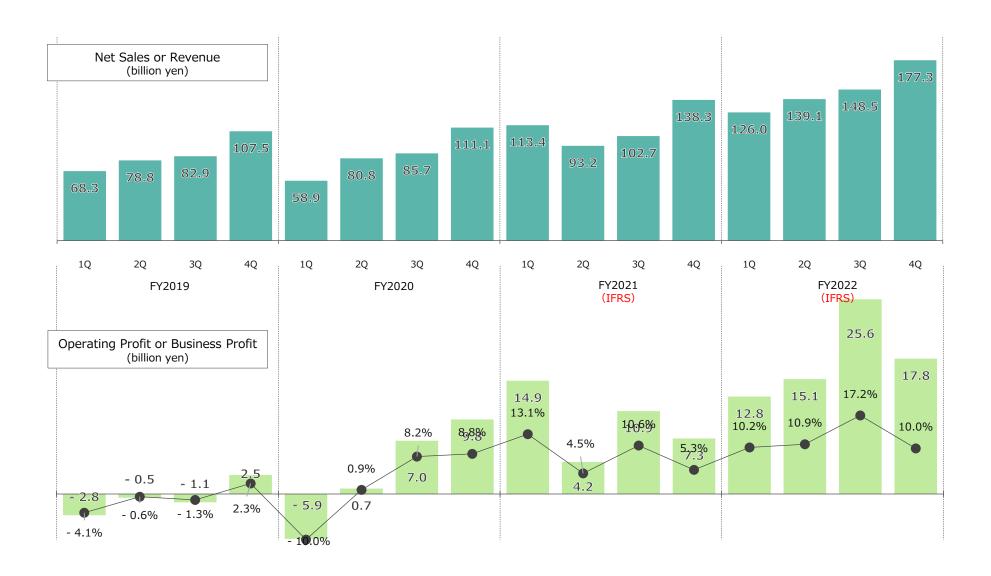
FY'23 : 90 thousand units (plan)

3

Kawasaki

3

Details by Segment - Powersports & Engine -





3

Details by Segment

- Powersports & Engine -

Market Overview

- U.S. Europe
 - Retail market remains strong despite a slight slowdown
- Europe
 - Retail market is on a recovery and expansion trend as product supply shortage is being resolved
- Southeast Asia
 - Demand is recovering, although it varies by country
- Supply Chain risks
 - Shortage of semiconductors still affect our product supply
 - Logistics disruption calmed down

Specific Efforts

Supplying products as much as demanded

- All efforts to achieve production plans
- Flexibly change production and sales plans according to sales conditions
- Continuously introduce new models

Expansion of the four wheeler

business and electrification

 Investment in development to enhance product competitiveness



Proto HFV

(Nov. 22)

- Preparation of the U.S. Plant and Mexico Plant to expand production capacity
- Accelerating development of BEVs and HEVs
- Joint research on hydrogen engine by Toyota, DENSO and four motorcycle manufacturing companies

Promoting business process re-engineering through DX

- Achieving agile management through digitalization
- Shortened development time and reduced development costs through the use of digital technology

Securing Free Cash Flows

• Aiming to secure stable FCF for future investment



on display at EICMA

TERYX4 KRX 1000 popular in the U.S.

Dividend Policy

The medium- to long-term consolidated dividend payout ratio **30%**

1

Comprehensively considering the following points - future business forecasts, financial conditions such as free cash flow and debt-to-equity ratio, and other factors

2 Stable dividends

Dividend for FY2022

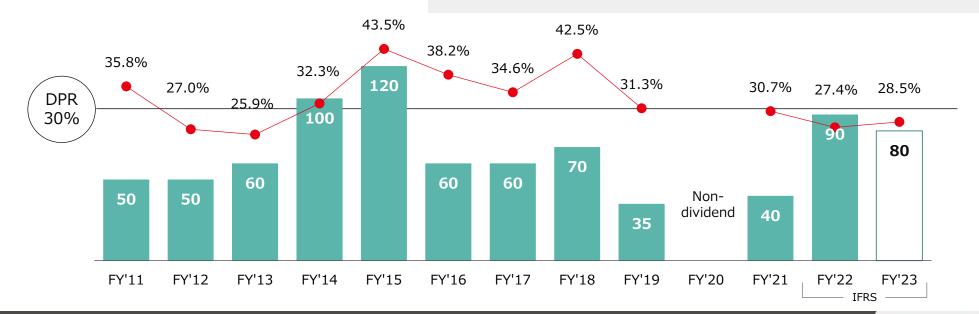
Profit attributable to owners of the parent reached a record high as a result of the recovery from the pandemic in Aerospace Systems and the strong performance of PS&E, as well as the depreciation of the yen



Plan to increase the year-end dividend from 40yen to 60yen and plan to pay full year dividend of **90yen** per share (dividend payout ratio of 27.4%)

Dividend for FY2023

Plan full year dividend of **80yen** per share (dividend payout ratio of 28.5%)

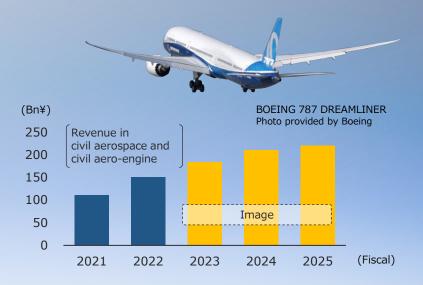


🛛 🕊 Kawasaki

Project Topics

Resuming civil Aerospace & Aero-engine business and re-expansion of the market

- Aviation market recovers strongly from pandemic for re-expansion
- Boeing has a large backlog of 787 orders and plans to raise production rates gradually in the future



Good News



Refference: International Air Transport Association (IATA)



BOEING'S ANNOUNCEMENT

"Plan to deliver 70-80 787s to airlines in 2023

Production rate is planned to return to 5 / month by late 2023 and to be gradually raised to 10 / month in 2025 or 2026"

Refference: The Boeing Company



Refference: The Boeing Company

Project Topics



4

Doors open for healthcare business

-Review of PCR inspection service business and future prospects-

Background & Significance	Results & Achievements	Acquired Knowledge & Expertise			
 Social significance Ensure safety for medical personnel Contribute to a speedy recovery in economic activity (+ to recovery of air passenger demand) For revenue growth 	 Number of samples handled 850,000 samples (2 years) Business results Recorded loss for FY2022 (including impacts by downgrade to "Class 5") Contributed to fixed 	 Acquisition of service business base Spread the mindset of market-in services within the company Establishment of high inspection accuracy Tenkubashi Inspection Office at Haneda receives high rating (rating A) in external accuracy assessment 			
 Entry into market-in service business 	cost recovery as a company	Suilding relationships with ministries and hospitals Essential for success in healthcare field			

Develop new businesses in the healthcare area by utilizing acquired knowledge and expertise

Toward the realization of a society with a healthy life expectancy of 100 years



In-hospital delivery

In-hospital delivery Human flow management



Others

In-hospital inspection Medic tourism Pain-free/Palliative Care Nursing care Rehabilitation

etc.

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 \sim Sites for shipping and receiving for liquefied hydrogen supply chain commercialization project selected \sim

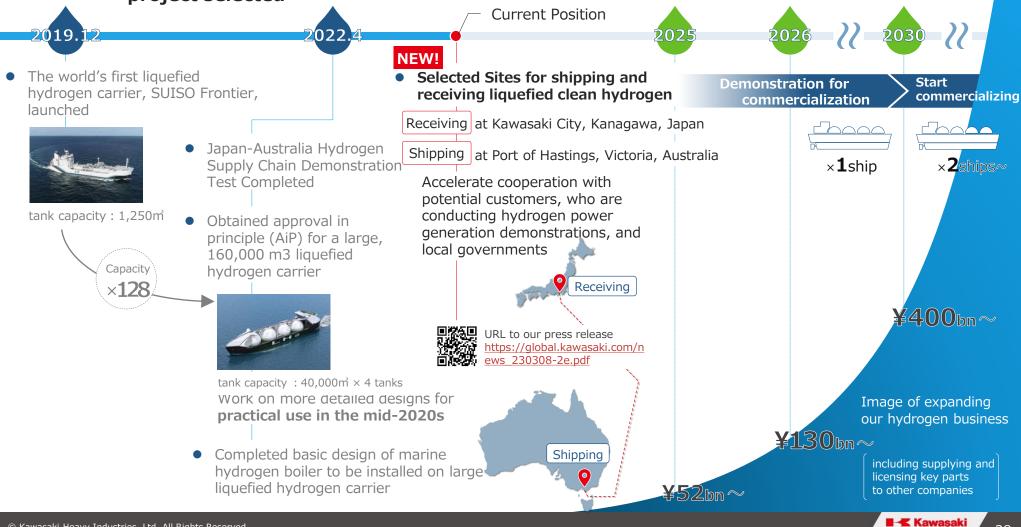
2050

80ships

38

Powering your potential

2,000bn





Initiatives to reduce CO₂ emissions

-To archive Net zero CO₂ emissions in 2050 including SCOPE3 in whole Kawasaki group



\ Good Example /

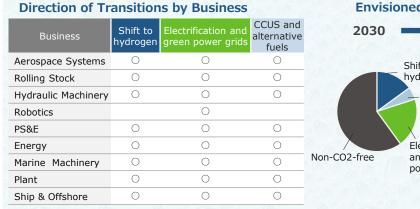
for TCFD Guidance 3.0

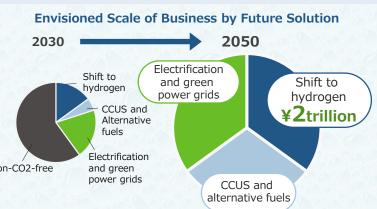
The easy-to-understand information of Scope 1 - 3 emissions, broken down by major categories and including targets, were highly regarded and included as good examples in the TCFD Guidance 3.0 Case Examples (published by the TCFD Consortium in 2022)

https://tcfd-consortium.jp/pdf/e n/news/22100501/TCFD_Guidan ce_3.0_Case_Examples_e.pdf



Company's shift toward CO₂-free solutions





Kawasaki

4 ESG Topics

Selected as an A List Company, the Highest Rating, in the CDP Climate Change Survey

- The 2022 Climate Change Survey conducted by CDP^{*1} evaluated the results of our efforts in corporate sustainability for climate change
- > We are the first A-list company in the heavy industry sector

https://global.kawasaki.com/en/corp/newsroom/news/detail/?f=20221213_8967

%1 CDP is a UK charity based NGO that operates a global disclosure system for investors, businesses, nations, regions and cities to manage their environmental impact.

Endorsement to the GX League Basic Concept

We endorsed the GX League, which aims to transform the overall economic and social system and create new markets, with companies actively working on accordingly through cooperation in the government, academic, and economic spheres, considering the concept to be in alignment with the objectives of its business plans to create a hydrogen supply chain aimed at realizing a decarbonized society, and to achieve carbon neutrality of its domestic plants in 2030 by utilizing its hydrogen power generation technology https://global.kawasaki.com/en/corp/newsroom/news/detail/?f=20220405_7766 %green transformation

Sustainable Finance

The ratio of sustainable finance procurement in FY2022 reached approx. 90%.

This is about **11**% of the balance. https://global.kawasaki.com/en/corp/ir/finance/index.html

Sustainable Finance issued in FY2022

Jul.'22	Green Bond (SDGs Bond)	SDGs bond to follow sustainability bond issued in Jul.'21
Nov.'22	Establishment of Sustainability Linked Loan (SLL) Framework Template	KHI has signed loan agreements with several lenders by utilizing the template (FY'22: 5 lenders)
Dec.'22	Establishment of Positive Impact Evaluation Framework	KHI has signed loan agreements with several lenders by utilizing the template (FY'22: 3 lenders)

enter uits of A LIST 2022 CLIMATE With a constant CLIMATE

*Only in Japanese

✓ Increased the Ratio of Outside Directors

The ratio of outside directors was increased to 50% to strengthen corporate governance

https://global.kawasaki.com/en/corp/sustainability/report/2022/pdf/22 houkokusyo.pdf

At the Annual General Meeting of Shareholders to be held in June 2023, 1 new outside director is scheduled to be elected, and as a result, the outside director will have a majority.

Arrow Street Review of Risk Management System

In addition to management by the department in charge according to the type of risk, an integrated risk monitoring system has been established to comprehensively monitor the effectiveness of the management system and to consult with the Board of Directors on reports and policy decisions.

▼Please refer to page 60 of Kawasaki Report for details https://www.khi.co.jp/sustainability/library/report/2022/pdf/22_houkokusyo.pdf

Selected as a Most-improved Integrated Report

Kawasaki Report issued on Oct. '22, was selected as one of the 95 companies selected from all listed companies in the GPIF Asset Managers Entrusted with Domestic Equity Investment 'Most-improved Integrated Report'. https://www.gpif.go.jp/en/investment/excellent.most-improved-integrated-reports 2023 03.pdf



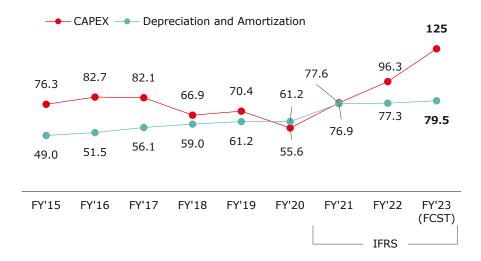
Appendix

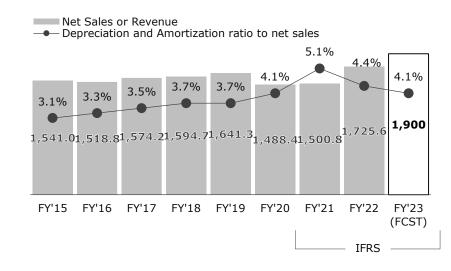
- CAPEX, Depreciation and Amortization, R&D Expenses, Number of employees -

					•	· · ·
	FY2021	FY2	2022	FY202	ast	
	Actual	Actual	Chg. Vs. FY21	JGAAP	Chg. Vs. I	-Y22(JGAAP)
CAPEX	77.6	96.3	+ 18.7	125.0	+	28.7
Depreciation and amortization	76.9	77.3	+ 0.3	79.5	+	2.2
R & D expenses	45.7	50.7	+ 4.9	55.0	+	4.3
Number of Employees	36,587	38,254	+ 1,667	40,460	+	2,206
Domestic	26,596	27,583	+ 987	28,720	+	1,137
Overseas	9,991	10,671	+ 680	11,740	+	1,069

(Billion Yen, Persons)

X Depreciation for FY '21 has been revised from 77.3 billion yen to 76.9 billion yen.





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Order Backlog (billion yen) \bullet

	FY2021	FY2	022
	Actual	Actual	Change
Aerospace Systems	619.8	670.6	+ 50.8
Rolling Stock	388.1	570.5	+ 182.3
Energy Solution & Marine Engineering	507.1	629.0	+ 121.8
Precision Machinery & Robot	88.4	97.8	+ 9.4
Powersports & Engine	-	-	-
Others	27.7	27.7	+ -
Total	1,631.3	1,995.9	+ 364.5

Revenue by Region (billion yen)

				,
	FY2021	FY2	2022 Change	
	Actual	Actual		
Japan	664.4	682.9	+	18.5
USA	357.9	499.4	+	141.4
Europe	122.9	154.9	+	31.9
Asia	277.5	275.5	-	2.0
Other	77.8	112.6	+	34.8
Total	1,500.8	1,725.6	+	224.7

% classified by country or region based on the customer's location.

• Order Backlog in Ship & Offshore (billion yen)



• Ship Orders Received and Delivery Year (number of ships)

		Delivery Year				
	FY'22 Received Orders		FY'23	FY'24	FY'25~	Order Backlog
	ordero	Actual		Plan		
LPG Carrier	7	4	4	3	5	12
Submarine	1	1		1	1	2
Others						
Total	×1 8	×2 5	4	4	6	×3 14

: 604,800GT

※ 1 Orders received in FY'22: 352,800GT : 202,800GT

% 2 Delivered in FY'22

※ 3 Order Backlog

*Submarines are excluded

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• Revenue in Foreign Currencies by Segment (USD)

	(billion USD)		
	FY2021	FY2022	FY2023
	Actual	Actual	Forecast
Aerospace Systems	0.57	0.69	1.11
Rolling Stock	0.06	0.05	0.08
Energy Solution & Marine Engineering	0.28	0.30	0.33
Precision Machinery & Robot	0.23	0.24	0.18
Powersports & Engine	0.62	0.77	0.82
Total	1.76	2.05	2.52

% Impact on business profit by FX fluctuation of 1 yen

ullet	Weighted-average	Exchange	Rates
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	(EUR/JPY)
FY2020 actual	124.61
FY2021 actual	130.47
FY2022 actual	141.38
FY2023 forecast	140.00

• Revenue in Foreign Currencies(EUR)

	(billion EUR)
FY2020 actual	0.32
FY2021 actual	0.44
FY2022 actual	0.57
FY2023 forecast	0.55

% Impact on business profit by FX fluctuation of 1 yen

<Formulas for Calculating Before-tax ROIC and After-tax ROIC>

Before-tax ROIC = (Profit before tax + Interest expenses) \div Invested capital^{*2}

After-tax ROIC = { Profit attributable for owners of parent + Interest expenses × (1 - Tax rate)} ÷ Invested capital^{*2}

 \approx 2 Invested Capital = Net debt+Equity

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Kawasaki, working as one for the good of the planet "Global Kawasaki"





Growth Scenario & Future Outlook

Kawasaki Heavy Industries, Ltd. May 10, 2023



Growth Scenario

3

"The scenario we set up two years ago becomes a reality"

Hydrogen and other **new businesses will also become a pillar of earnings** and a stable growth path

- A Safe and Secure Remotely-Connected Society
- Near-Future Mobility
- Energy and Environmental Solutions

Further increase in social needs

Aerospace business recovers and market grows steadily

Full-scale recovery of aviation demand to recover earnings

Mass production businesses such as motorcycles, precision machinery and robots support earnings

 Early launch of PCR testing business contributes to recovery of aviation demand

Generates 80% of profits

🖌 Kawasaki

Powering your potential

From the presentation material of 'Group Vision 2030 Progress Report Meeting (December 6, 2022)'



1

2

EXAMPASA Powering your potential