Attracting Tomorrow



Fiscal Year March 2024

First Half
Performance Briefing

TDK Corporation
IR&SR Group
November 1, 2023



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H1, FY March 2024 Results Highlights

Tetsuji Yamanishi

Executive Vice President

H1, FY March 2024 key points





 Both net sales and operating profit decreased year on year due to delays in the recovery of the industrial equipment and automotive markets in addition to the sluggish ICT and HDD markets.



- Sales of passive components to the ICT and the industrial equipment markets decreased significantly.
- Despite an increase in sales of passive components and sensors to the automotive market, recovery was delayed due to mainly inventory adjustments at customers.
- Sales of HDD heads and HDD suspension assemblies dropped considerably due to a significant year-on-year decline in the HDD market.
- Sales of small capacity rechargeable batteries to the ICT market decreased due to a decline in sales price resulting from lower material price.
- Sales of power supplies to the industrial equipment market increased.

H1, FY March 2024 results





Net sales and Operating profit decreased year on year.

	FY3/23	FY3/24	Cha	inge	
(JPY bn)	H1	H1	JPY bn	%	
Net sales	1,122.0	1,059.7	(62.3)	(5.6)%	
Operating profit	120.3	85.5	(34.8)	(28.9)%	
Operating profit margin	10.7%	8.1%	(2.6)pts	-	
Profit before tax	119.9	80.2	(39.6)	(33.1)%	
Net profit attributable to owners of parent	87.0	54.2	(32.8)	(37.7)%	
Earnings per share (JPY)	229.39	142.86	-	-	
USD (JPY)	133.80	140.83	5.3% JPY depreciation		
EUR (JPY)	138.67	153.30	10.6% JPY depreciation		

Exchange rate impact on net sales and operating profit (OP) (JPY bn)

Net sales Approx. +35.5

OP Approx. +13.4

Forex sensitivity (impact by one JPY change)

Net sales 11.0

USD

OP 2.0

EUR (JPY bn)

Net sales 3.0

OP 0.6

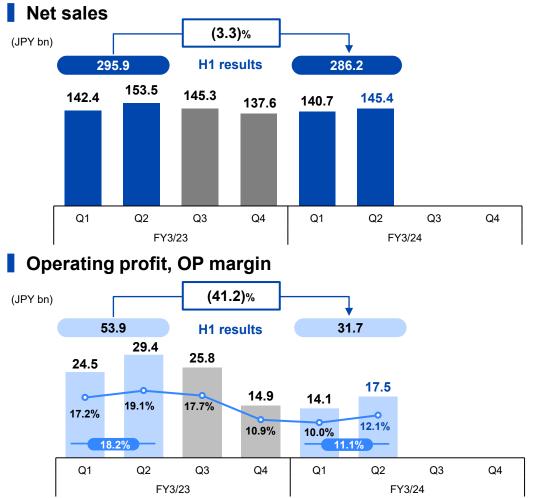
(JPY bn)

Passive Components segment





Sales and profit decreased year on year due to a decline in sales to the ICT and the industrial equipment markets despite
an increase in sales to the automotive market.



Ceramic capacitors	 Sales increased while profit decreased year on year. Sales increased to the automotive market.
Aluminum electrolytic capacitors and film capacitors	 Sales and profit increased year on year. Sales increased to the industrial equipment and the automotive markets.
Inductive devices	 Sales and profit decreased year on year. Sales decreased to the industrial equipment and the ICT markets.
High-frequency components	 Sales and profit decreased year on year. Sales decreased to the ICT market.
Piezoelectric material products and circuit protection components	 Sales and profit decreased year on year. Sales to the industrial equipment market decreased despite an increase in sales to the automotive market.

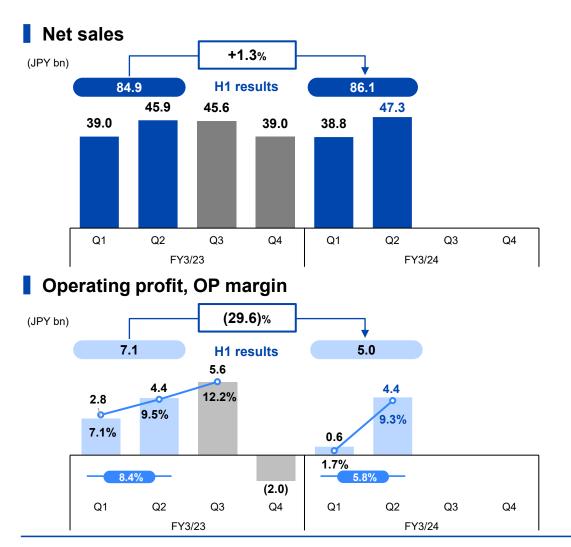
(Note) In accordance with the reorganization for Q1, FY3/24, certain products of Other are reclassified into capacitors of Passive Components. Thus, the FY3/23 figures are also reclassified to conform to the new segmentation.

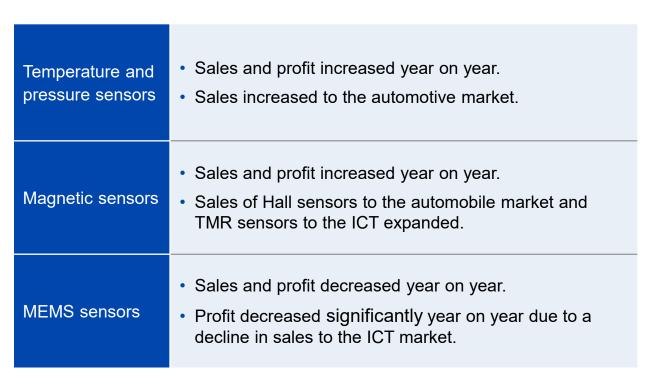
Sensor Application Products segment





Sales increased and profit decreased year on year due to a decline in sales of MEMS sensors to the ICT market despite an
increase in sales to the automotive market.



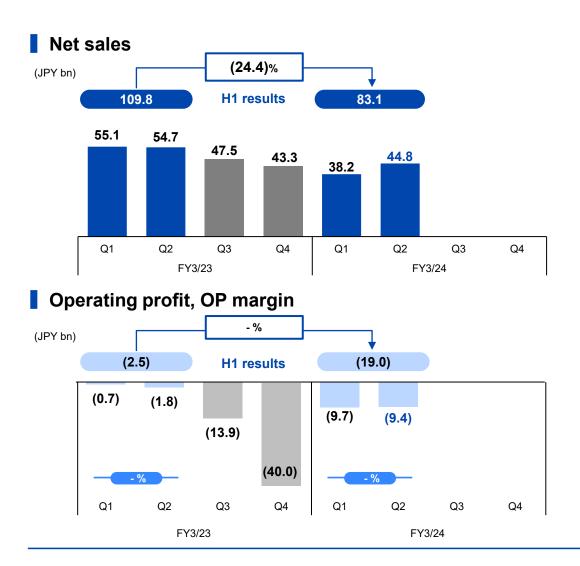


Magnetic Application Products segment





• Sales and profit decreased year on year as sales to the HDD market remained significantly below the previous year's level.



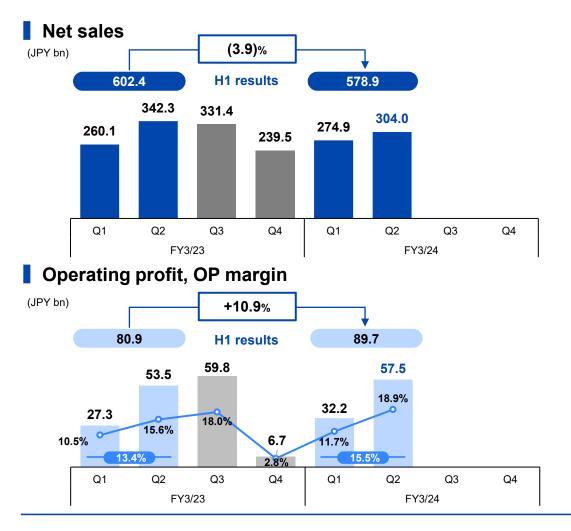


Energy Application Products segment





- Profitability of rechargeable batteries improved despite a decrease in sales for smartphone applications.
- Sales and profit increased year on year reflecting robust sales of power supplies to the industrial equipment market and for xEVs.

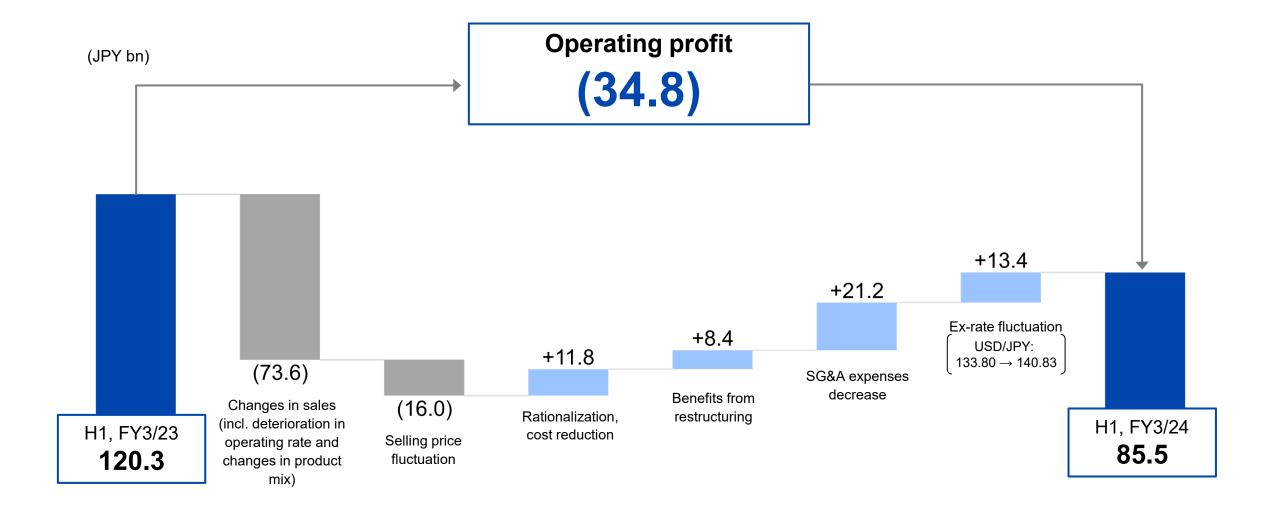




Analysis of change in operating profit







Q2, FY March 2024 results





Net sales and Operating profit decreased year on year.

	FY3/23	FY3/24	Cha	nge	
(JPY bn)	Q2	Q2	JPY bn	%	
Net sales	611.5	556.3	(55.2)	(9.0)%	
Operating profit	75.7	59.2	(16.5)	(21.7)%	
Operating profit margin	12.4%	10.6%	(1.8)pts	-	
Profit before tax	76.0	59.2	(16.8)	(22.1)%	
Net profit attributable to owners of parent	55.5	39.5	(16.1)	(28.9)%	
Earnings per share (JPY)	146.51	104.04	-	-	
USD (JPY)	138.20	144.44	4.5% JPY depreciation		
EUR (JPY)	139.39	157.17	12.8% JPY depreciation		

Exchange rate impact on net sales and operating profit (OP) (JPY bn)

Net sales Approx. +17.4

OP Approx. +6.9

Quarterly results by segment





		FY3/23	FY3/24	FY3/24	YoY (C)-(A)		QoQ (C)-(B)
	(JPY bn)	Q2(A)	Q1(B)	Q2(C)	JPY bn	%	JPY bn	%
	Capacitors	63.7	62.5	62.6	(1.1)	(1.7)%	+0.1	+0.2%
	Inductive Devices	52.8	46.7	49.3	(3.5)	(6.7)%	+2.5	+5.4%
	Other Passive Components	37.0	31.5	33.5	(3.5)	(9.4)%	+2.1	+6.5%
Z _e	Passive Components	153.5	140.7	145.4	(8.1)	(5.3)%	+4.7	+3.3%
Net sales	Sensor Application Products	45.9	38.8	47.3	+1.4	+2.9%	+8.5	+21.9%
es	Magnetic Application Products	54.7	38.2	44.8	(9.8)	(18.0)%	+6.6	+17.3%
	Energy Application Products	342.3	274.9	304.0	(38.3)	(11.2)%	+29.1	+10.6%
	Other	15.0	10.7	14.8	(0.2)	(1.6)%	+4.1	+37.9%
	Total	611.5	503.4	556.3	(55.2)	(9.0)%	+52.9	+10.5%
	Passive Components	29.4	14.1	17.5	(11.9)	(40.3)%	+3.4	+24.2%
	Sensor Application Products	4.4	0.6	4.4	+0.02	+0.5%	+3.7	+576.7%
Operating	Magnetic Application Products	(1.8)	(9.7)	(9.4)	(7.6)	-	+0.3	
ratiir	Energy Application Products	53.5	32.2	57.5	+4.0	+7.4%	+25.3	+78.6%
d Gr	Other	0	(1.2)	0.7	+0.7	-	+1.8	
profit	Subtotal	85.5	36.1	70.7	(14.8)	(17.3)%	+34.6	+95.7%
	Adjustment	(9.8)	(9.8)	(11.4)	(1.6)	-	(1.6)	-
	Total	75.7	26.3	59.2	(16.5)	(21.7)%	+32.9	+125.3%
Oper	ating profit margin	12.4%	5.2%	10.6%	(1.8)pts	-	+5.4pts	-
USD	(JPY)	138.20	137.18	144.44				
EUR	(JPY)	139.39	149.37	157.17				

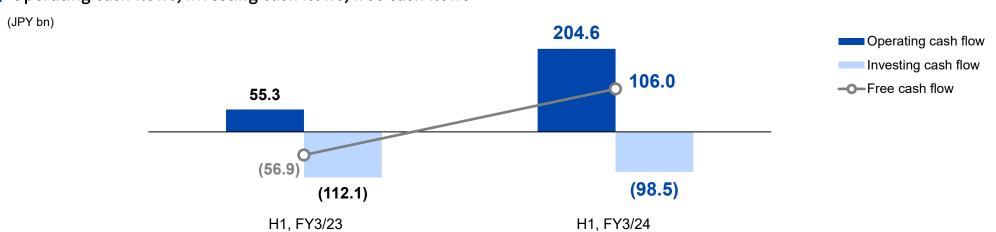
Cash flows - H1





	FY3/23 FY3/24		Chango
(JPY bn)	H1	H1	Change
Operating cash flow	55.3	204.6	+149.3
Investing cash flow	(112.1)	(98.5)	+13.6
Free cash flow	(56.9)	106.0	+162.9
Financing cash flow	28.2	(17.5)	(45.8)
Effects of ex-rate fluctuation	47.1	47.7	+0.7
Cash and cash equivalents	457.8	642.4	+184.6

Operating cash flows, investing cash flows, free cash flows





FY March 2024 Projections

Noboru Saito

President & CEO

FY March 2024 projections





• There are no changes to the projections made in Q1.

	FY3/23 FY3/24 Projection		Change	e (YoY)	
(JPY bn)	Actual	As of April 2023	As of August 2023	JPY bn	%
Net sales	2,180.8	2,020.0	1,970.0	(210.8)	(9.7)%
Operating profit	168.8	190.0	150.0	(18.8)	(11.2)%
Operating profit margin	7.7%	9.4%	7.6%	(0.1)pts	-
Profit before tax	167.2	188.0	150.0	(17.2)	(10.3)%
Net profit attributable to owners of parent	114.2	147.0	105.0	(9.2)	(8.0)%
Earnings per share (JPY)	301.19	387.57	276.81	-	-
Dividends (JPY)	106.00	116.00	116.00	-	-
USD (JPY)	135.46	130.00	136.00	-	-
EUR (JPY)	140.89	142.00	148.00	-	-

Assumptions for performance forecast



- key market predictions

• The forecast for smartphone and nearline HDD production volumes has been further revised downward from the forecast in August.

		FY3/24 Forecast						
	FY3/23 Actual (A)	As of April 2023		As of Au	gust 2023	As of November 2023		
(Production volume: Unit mn)		Value (B)	YoY (A) vs. (B)	Value (C)	YoY (A) vs. (C)	Value (D)	YoY (A) vs. (D)	
Automobile*	84	88	+5%	88	+5%	88	+5%	
xEV	17.2	21.9	+27%	21.9	+27%	21.9	+27%	
Smartphone	1,143	1,118	(2)%	1,108	(3)%	1,102	(4)%	
5G Smartphone	593	607	+2%	598	+1%	608	+3%	
HDD	153	146	(5)%	124	(19)%	123	(20)%	
Nearline	55	60	+9%	42	(24)%	40	(27)%	
Notebook PC	179	182	+2%	169	(6)%	175	(2)%	
Tablet	153	149	(3)%	143	(7)%	142	(7)%	

^{*}The number of Automobile includes commercial vehicles.

Projections by segment for Q3, FY March 2024





	FY3	/24			
(JPY bn)	Q2	Q3 Projection (QoQ)	Factor		
Passive Components	145.4	(8) ~ (5)%	 Sales of Aluminum electrolytic capacitors and film capacitors, and Inductive devices to the industrial equipment market and for distributors are expected to decrease. Sales of other passive components to the ICT market are expected to decrease. 		
Sensor Application Products	47.3	(9) ~ (6)%	 Sales of temperature and pressure sensors for automobile applications are expected to increase. Sales of magnetic sensors and MEMS microphones to the ICT market are expected to decrease. 		
Magnetic Application Products	44.8	(18) ~ (15)%	 Sales of HDD heads are expected to decrease slightly. Sales of HDD suspension assemblies are expected to decline. 		
Energy Application Products	304.0	(15) ~ (12)%	 Sales of small capacity rechargeable batteries to the ICT market are expected to decrease slightly. Sales of medium capacity rechargeable batteries are expected to decrease as a result of the transfer to the JVs. 		
Other	14.8	-			
Total	556.3	(13) ~ (10)%			
USD(JPY)		130.00			
EUR(JPY)		142.00			

49.7%

Q2

FY3/24

Q3

Q4

ICT

47.4%

Q1

46.2%

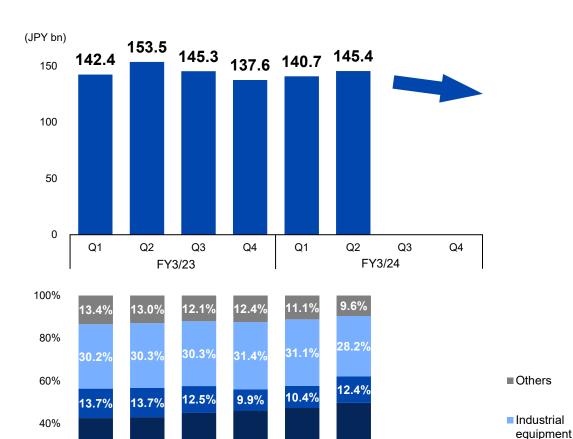
Q4

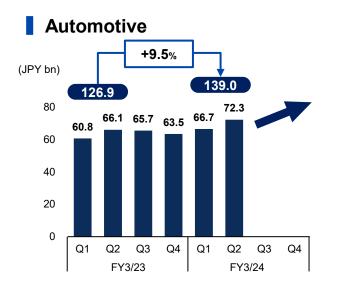
45.2%

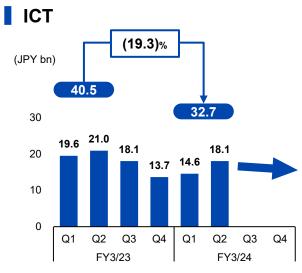
Q3

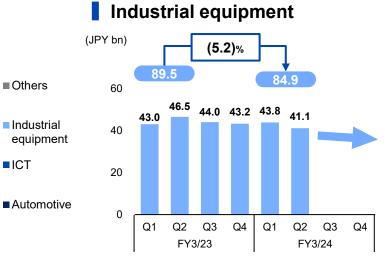
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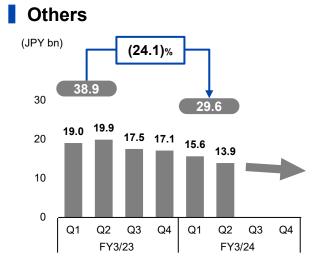












43.1%

Q2

FY3/23

42.7%

Q1

20%

Improve asset profitability

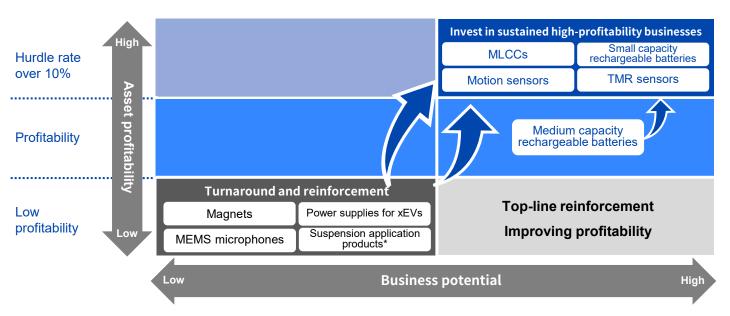




- Allocate investments based on both "asset profitability" and "business potential."
- Enhance high-profitable businesses further and implement measures for early business restructuring.

Decision-making criteria for capital allocation

Source: TDK Integrated Report 2023



Businesses in need of turnaround and reinforcement

Measures for low-profitability businesses

- Set stricter investment criteria.
- Implement measures for early turnaround through business divisions and Headquarters functions.

High-profitability businesses

	Continuously enhance production capacity.				
	Expand customer base for ICT devices.				
	 Expand high-function motors for automobiles and angle sensors for FAs & robotics. 				
TMR sensors	 Strategic alliance with LEM, the largest current sensor manufacturer. 				
	 Accelerate the rollout of TMR current sensors for EX demands — xEVs and renewable energy, industrial equipment, home appliances. 				
Motion sensors	 Expand customer and application base with our design capability. 				
	Supply high-reliability products for automobiles.				
MLCCs	 Launch new products specialized for xEVs and ADASs. 				
Small capacity	Continuously launch cutting-edge technologies.				
rechargeable batteries	 Strengthen manufacturing capabilities to realize cost competitiveness. 				
Medium	JVs, the manufacturers specializing in mid-cap rechargeable batteries, one of our strengths, commenced on a full scale.				
capacity rechargeable batteries	 Enhance product lineup — power tools, electric motorcycles, and ESS**. 				
	 Expand to commercial-use ESS and UPS***. 				
ESS: Energy Storac	**ESS: Energy Storage Systems, *UPS: Uninterruptible Power Supplies				

[`]ESS: Energy Storage Systems, ^^^UPS: Uninterruptible Power Supplies

^{*} Withdrawal from the suspension application products business has been decided at the end of fiscal 2023.



Appendix

Quarterly sales and operating profit by segment





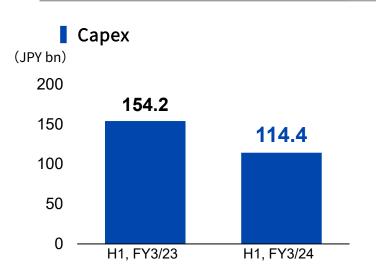
				FY3/23					FY3/24		
	(JPY bn)	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
	Capacitors	58.3	63.7	62.1	58.3	242.5	62.5	62.6			
	Inductive Devices	49.3	52.8	50.1	46.3	198.5	46.7	49.3			
	Other Passive Components	34.7	37.0	33.1	33.0	137.8	31.5	33.5			
Net	Passive Components	142.4	153.5	145.3	137.6	578.8	140.7	145.4			
t Sa	Sensor Application Products	39.0	45.9	45.6	39.0	169.5	38.8	47.3			
Sales	Magnetic Application Products	55.1	54.7	47.5	43.3	200.6	38.2	44.8			
	Energy Application Products	260.1	342.3	331.4	239.5	1173.4	274.9	304.0			
	Other	13.9	15.0	17.1	12.5	58.6	10.7	14.8			
	Total	510.5	611.5	587.0	471.9	2,180.8	503.4	556.3			
	Passive Components	24.5	29.4	25.8	14.9	94.6	14.1	17.5			
	Sensor Application Products	2.8	4.4	5.6	(2.0)	10.7	0.6	4.4			
Operating profit	Magnetic Application Products	(0.7)	(1.8)	(13.9)	(40.0)	(56.4)	(9.7)	(9.4)			
ratii	Energy Application Products	27.3	53.5	59.8	6.7	147.4	32.2	57.5			
d Bu	Other	0.5	0	1.1	(1.1)	0.5	(1.2)	0.7			
orofi	Subtotal	54.4	85.5	78.3	(21.4)	196.8	36.1	70.7			
7	Adjustment	(9.8)	(9.8)	(10.0)	1.5	(28.0)	(9.8)	(11.4)			
	Total	44.6	75.7	68.4	(19.9)	168.8	26.3	59.2			
Ope	rating profit margin	8.7%	12.4%	11.6%	(4.2)%	7.7%	5.2%	10.6%			
USE	(JPY)	129.36	138.20	141.75	132.40	135.46	137.18	144.44			
EUR	(JPY)	137.95	139.39	144.26	141.95	140.89	149.37	157.17			

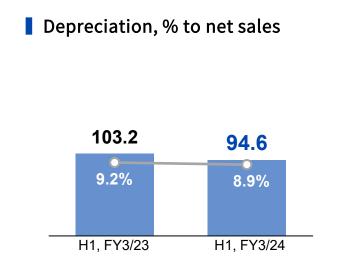
Capex, Depreciation, R&D – H1

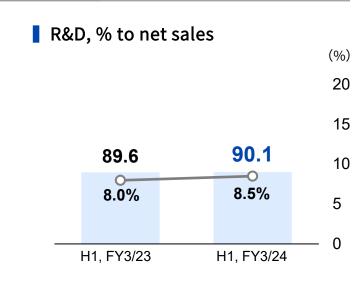




	FY3/23	FY3/24	Changa
(JPY bn)	H1	H1	Change
Capex	154.2	114.4	(39.7)
Depreciation	103.2	94.6	(8.6)
% to net sales	9.2%	8.9%	(0.3)pts
R&D	89.6	90.1	+0.6
% to net sales	8.0%	8.5%	+0.5pts



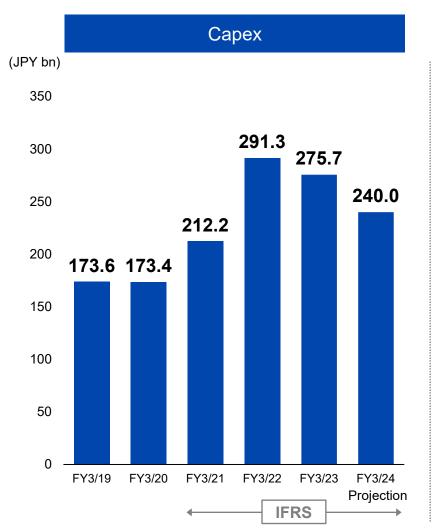


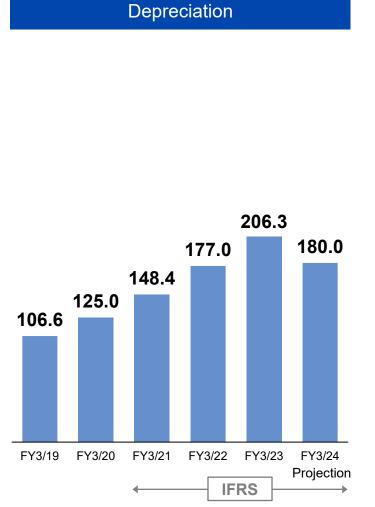


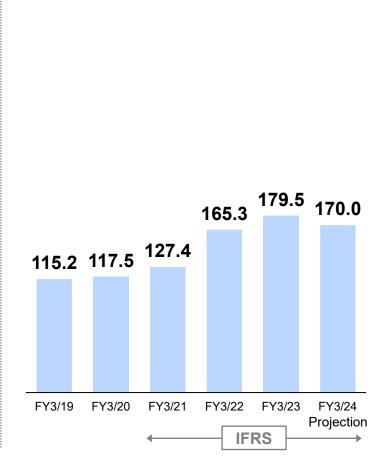
Capex, Depreciation, R&D



R&D







Financial position

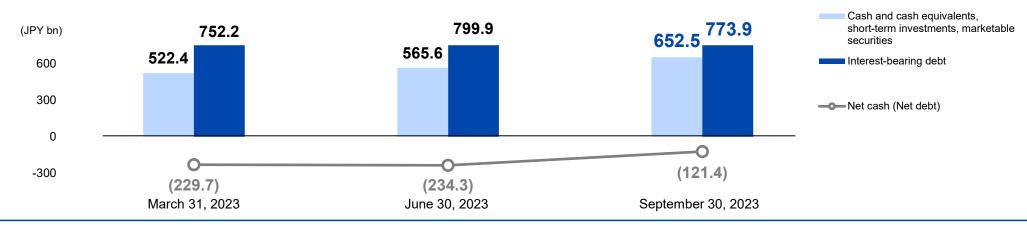




(JPY bn)	March 31, 2023	June 30, 2023	September 30, 2023	Change (vs. March 31)
Total assets	3,147.0	3,302.2	3,417.6	+270.6
Total liabilities	1,684.2	1,749.1	1,779.7	+95.5
Total equity attributable to owners of parent	1,458.4	1,547.4	1,631.1	+172.7
Ratio of equity attributable to owners of parent	46.3%	46.9%	47.7%	+1.4pts
Cash and cash equivalents, short-term investments, marketable securities	522.4	565.6	652.5	+130.1
Interest-bearing debt*1	752.2	799.9	773.9	+21.7
Net cash (Net debt)*2	(229.7)	(234.3)	(121.4)	+108.4

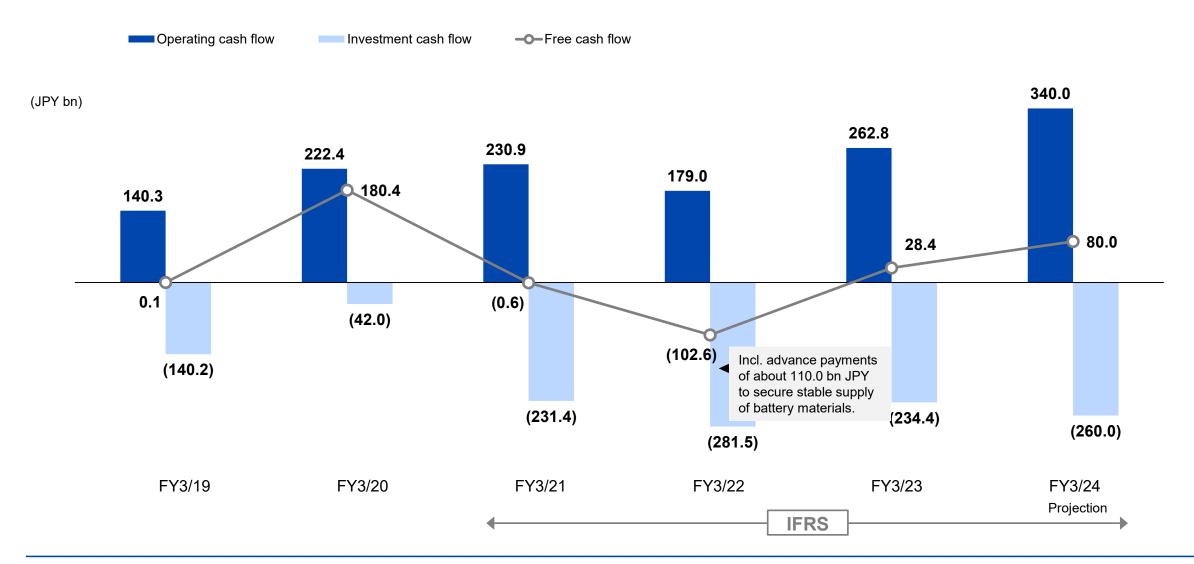
^{*1:} Borrowings + bonds + lease liabilities

^{*2:} Cash and cash equivalents, short-term investments, marketable securities - interest-bearing debt



Cash flows





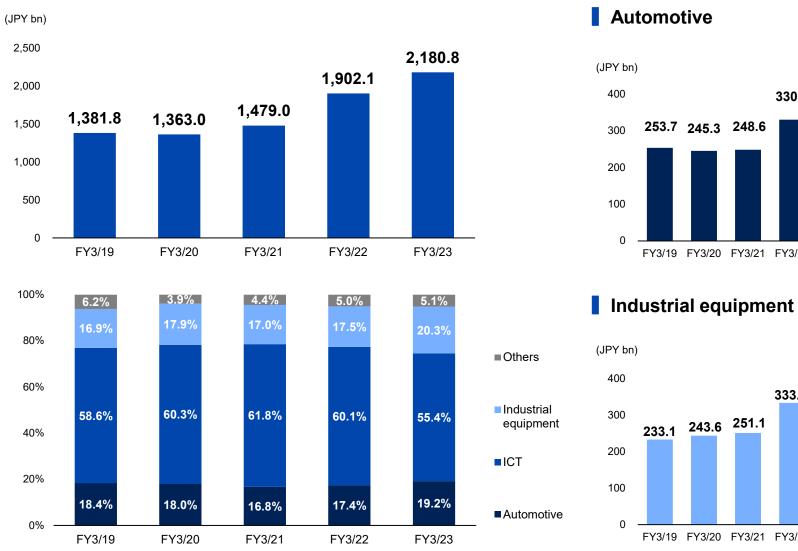
Annual sales by market (FY3/19 – FY3/23)



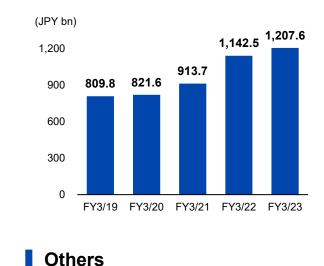


ICT

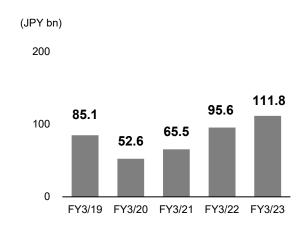












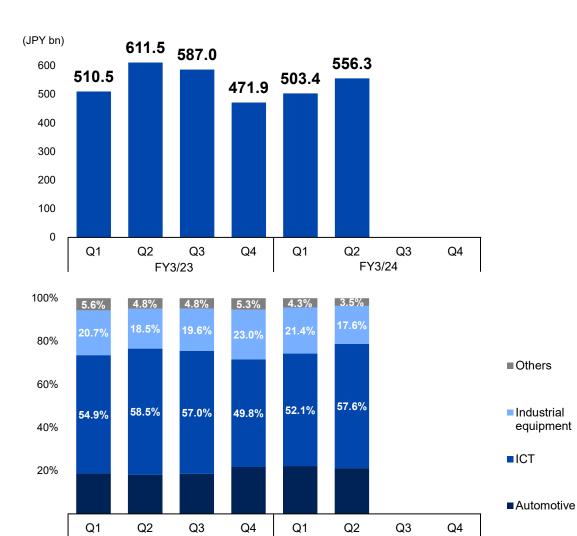
Quarterly sales by market (FY3/23 – FY3/24)

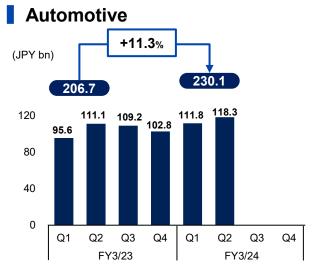
FY3/24

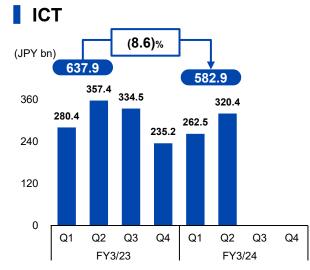


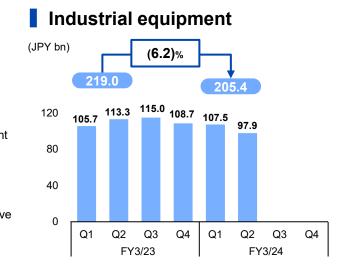


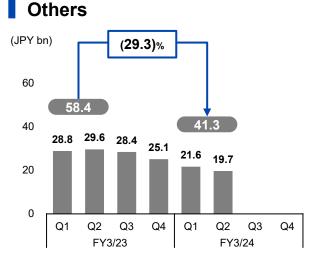








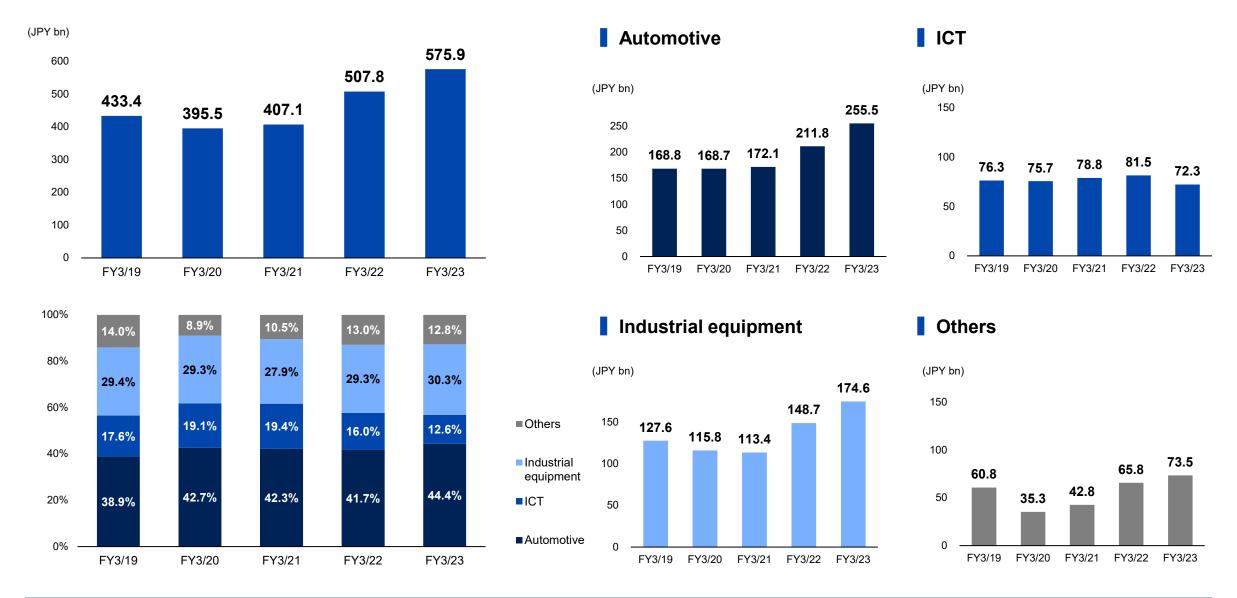




FY3/23



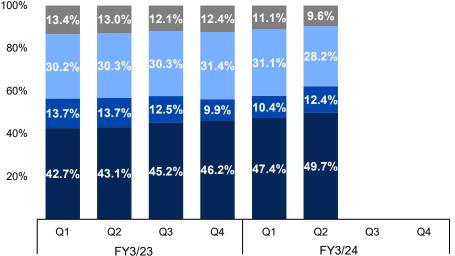


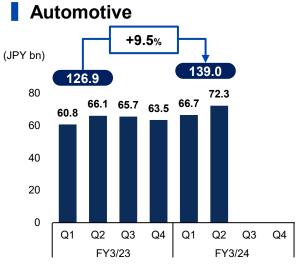


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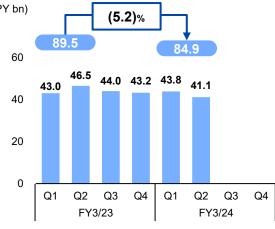
■ Others

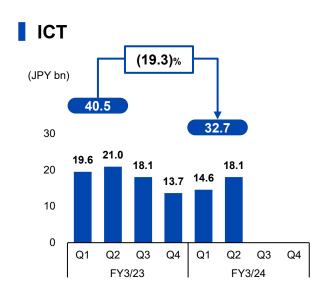
Industrial

ICT

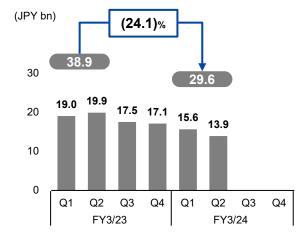
equipment

■ Automotive

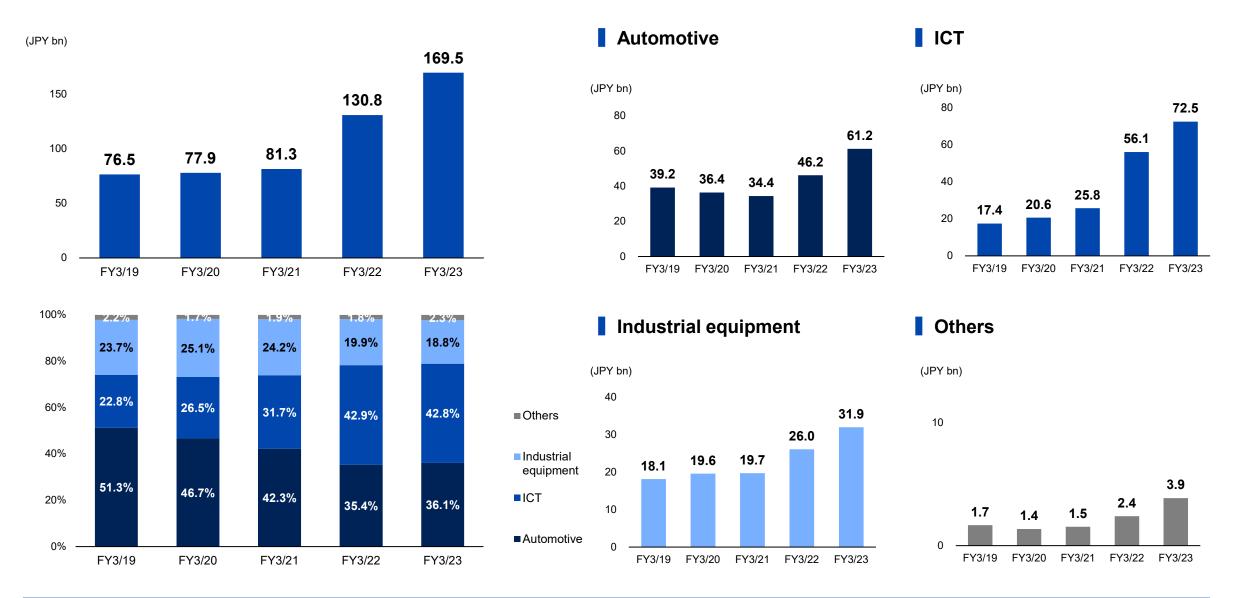








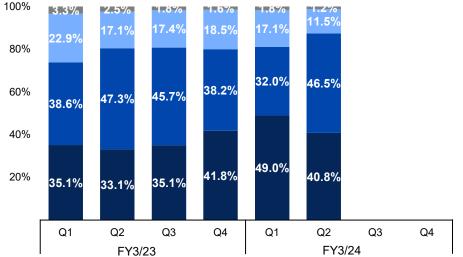


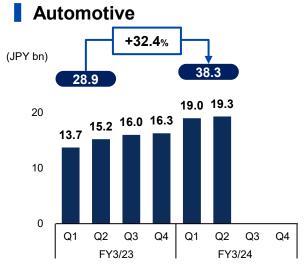


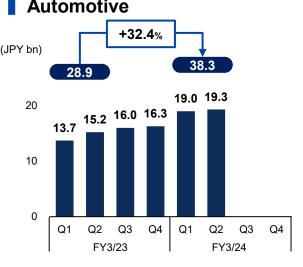
Attracting Tomorrow

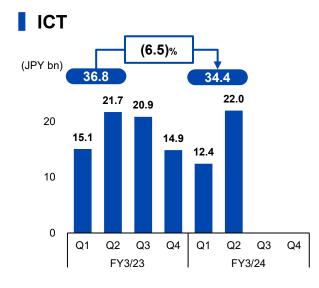


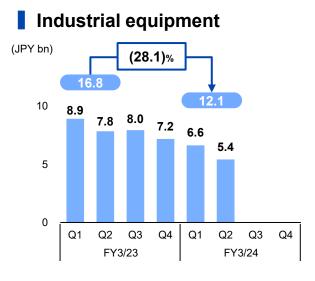










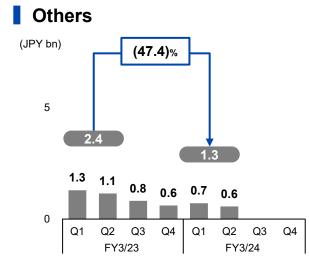


■ Others

Industrial equipment

Automotive

ICT

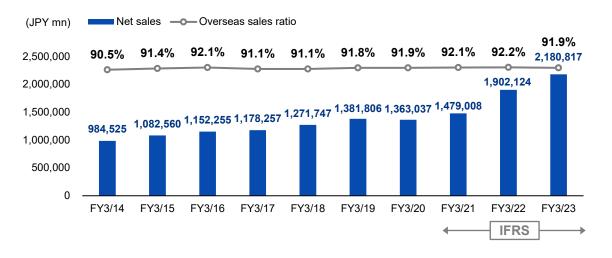


Financial information: 10-year historical trend

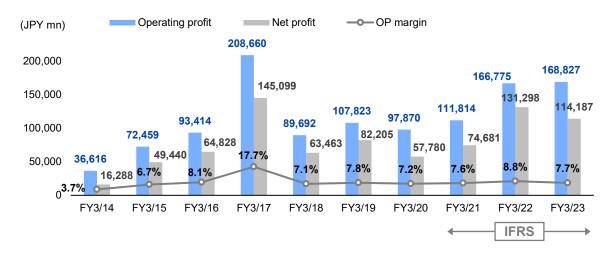




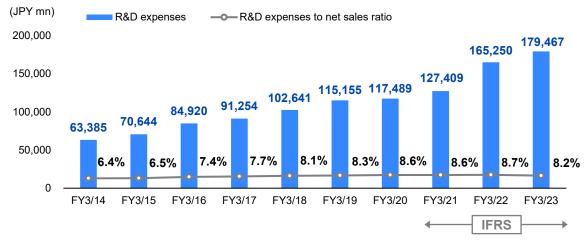
Net sales, Overseas sales ratio



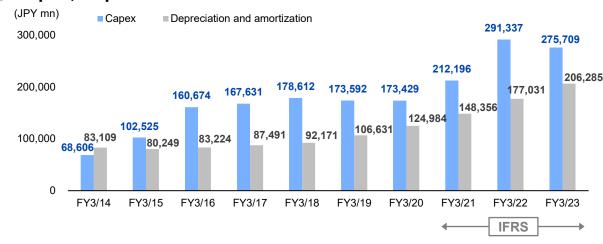
Operating profit, Net profit, OP margin



R&D expenses, R&D expenses to net sales ratio



Capex, Depreciation and amortization

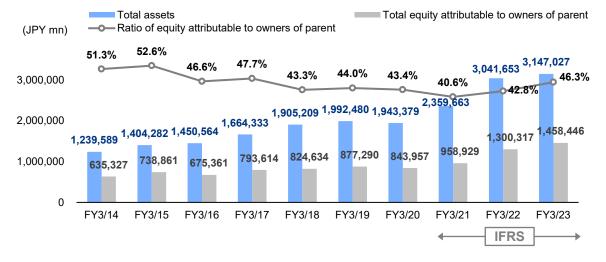


Financial information: 10-year historical trend

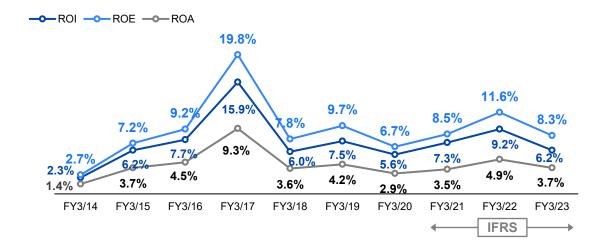




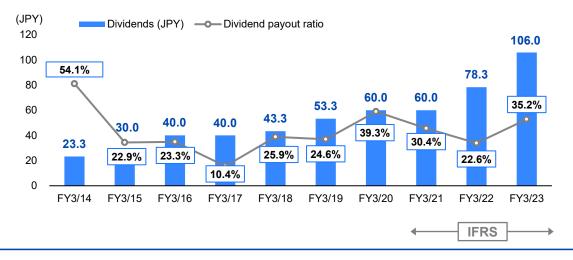
Total assets, Total equity attributable to owners of parent, Ratio of equity attributable to owners of parent



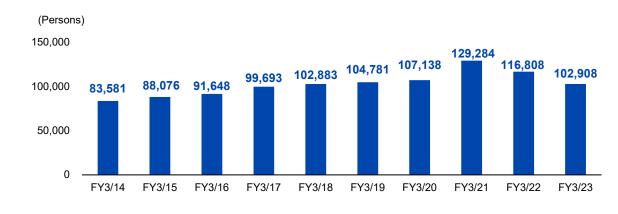
ROI, ROE, ROA



Dividends, Dividend payout ratio



Number of employees



Status of inclusion in the ESG Index / Recognition by investors and rating agencies





Index Funds



FTSE4Good Index Series

An index provided by FTSE Russell that was designed to measure the performance of companies that implement strong ESG measures.



FTSE Blossom Japan

FTSE Blossom Japan Index

An index provided by FTSE Russell that was designed to measure the performance of Japanese companies with outstanding ESG responses.



FTSE Blossom Japan Sector Relative Index

FTSE Blossom Japan Sector Relative Index

An index provided by FTSE Russell, designed to be sector neutral, reflecting the performance of Japanese companies with outstanding ESG responses.



S&P/JPX Carbon Efficient Index

An index was designed to measure the performance of companies in the Tokyo Stock Price Index (TOPIX) while overweighting or underweighting those companies that have lower or higher levels of carbon emissions per unit of revenue.



Sompo Sustainability Index

An index compiled based on the results of the Buna-no-Mori Environmental Questionnaire and ESG Management Survey conducted by SOMPO Risk Management Inc



ISTOXX MUTB Japan Platinum Career 150

An index tracks the performance of 150 Japanese companies that actively contribute to employee career development.



MSCI ESG Leaders Indexes^{*1}

An index provided by MSCI that selects companies with outstanding ESG evaluation.

2023 CONSTITUENT MSCI JAPAN ESG SELECT LEADERS INDEX *2

An index provided by MSCI that selects Japanese companies with outstanding ESG performance.

2023 CONSTITUENT MSCI JAPAN EMPOWERING WOMEN INDEX (WIN) *3

An index provided by MSCI that selects Japanese companies with excellent gender diversity.

*1,2,3 THE INCLUSION OF TDK CORPORATION IN ANY MSCI INDEX, AND THE USE OF MSCI LOGOS, TRADEMARKS, SERVICE MARKS OR INDEX NAMES HEREIN, DO NOT CONSTITUTE A SPONSORSHIP, ENDORSEMENT OR PROMOTION OF TDK CORPORATION BY MSCI OR ANY OF ITS AFFILIATES. THE MSCI INDEXES ARE THE EXCLUSIVE PROPERTY OF MSCI, MSCI AND THE MSCI INDEX NAMES AND LOGOS ARE TRADEMARKS OR SERVICE MARKS OF MSCI OR ITS AFFILIATES.

Ratings

CDP Climate Change A- (A minus)

CDP Water Security A (three consecutive years)



CDP Supplier Engagement Rating Leaderboard (three consecutive years)

TDK was praised because it promotes environmental activities working with suppliers and discloses SCOPE3 emissions.

Cautionary statements with respect to forward-looking statements





This material contains forward-looking statements, including projections, plans, policies, management strategies, targets, schedules, understandings, and evaluations about TDK, or its group companies (TDK Group). These forward-looking statements are based on the current forecasts, estimates, assumptions, plans, beliefs, and evaluations of the TDK Group in light of the information currently available to it, and contain known and unknown risks, uncertainties, and other factors. The TDK Group therefore wishes to caution readers that, being subject to risks, uncertainties, and other factors, the TDK Group's actual results, performance, achievements, or financial position could be materially different from any future results, performance, achievements, or financial position expressed or implied by these forward-looking statements, and the TDK Group undertakes no obligation to publicly update or revise any forward-looking statements after the issue of this material except as provided for in laws and ordinances.

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