NSK **FINANCIAL CONFERENCE**

Consolidated Business Results and Forecast



NSK Ltd.

Cautionary Statements with Respect to Forward-Looking Statements

Statements made in this report with respect to plans, strategies and future performance that are not historical fact are forward-looking statements. NSK cautions that a number of factors could cause actual results to differ materially from those discussed in the forward-looking statements.

Note : This document is an English translation of material written initially in Japanese.

The Japanese original should be considered the primary version

Copyright NSK Ltd. All Rights Reserved.



- 1. Consolidated Business Results for the Six Months Ended September 30, 2019
- 2. Consolidated Business Forecast for the Year Ending March 31, 2020
- 3. Business Environment and Status of Initiatives by business segment

(Supplementary Information)



1. Consolidated Business Results for the Six Months Ended September 30, 2019



Business Environment

- Uncertainty and stagnation of world economy persisted due to the prolonged US-China trade friction.
- Demand decrease in both the industrial machinery and automotive businesses continued.
- Exchange rate : further appreciation of the yen, primarily in CNY and EURO.

Summary of Business Results

Consolidated Business Results for FY2019: 1H (Apr.-Sep.) YOY

Sales :	¥ 434.8 billion	(-¥ 74.8 billion / -14	4.7%)
Segment Income * :	¥ 16.7 billion	(-¥ 29.7 billion / -63	3.9%)
Operating Income :	¥ 15.8 billion	(-¥ 29.2 billion / -64	4.9%)
(O.I. %)	(3.6%)	((-5.2p)
Net Income Attributable to Owners of the Parent :	¥ 11.8 billion	(-¥ 19.1 billion / -6 ⁻	1.8%)

*Segment Income : Operating income before deduction of other operating expenses

Decreased in both sales and operating income year-on-year mainly due to volume decline.

Interim dividend :¥20/per share

(same amount as the interim dividend in FY18; as planned.)

Summary of Consolidated Business Results for the Six Months Ended September 30, 2019



	FY2018	FY2019				
(Billions of yen)	1 st half <actual></actual>	1 st half <actual></actual>	Increase/ Decrease YOY	Difference YOY	1 st half <fcst></fcst>	
Sales	509.6	434.8	-74.8	-14.7%	464.0	
Operating income	45.0	15.8	-29.2	-64.9%	25.0	
<%>	<8.8%>	<3.6%>			<5.4%>	
Income before income taxes	45.1	15.6	-29.6	-65.5%	25.0	
Net income attributable to owners of the parent	30.9	11.8	-19.1	-61.8%	19.0	
(Ex. rate: 1USD=)	110.27	108.63	-1.64	-1.5%	110	
(// 1EUR=)	129.84	121.41	-8.43	-6.5%	125	
(// 1CNY=)	16.75	15.68	-1.07	-6.4%	16.5	

***Reference** *Segment Income : Operating income before deduction of other operating expenses

				·	
Segment income	46.4	16.7	-29.7	-63.9%	26.5
<%>	<9.1%>	<3.8%>			<5.7%>
Major Indexes					
ROE	11.4%	4.5%			
Net D/E ratio (times)	0.23	0.28			
Inventory turnover (times)	6.8	5.5	Copyright N	SK Ltd. All Rights Re	served. 4

Business Results: Industrial Machinery Business



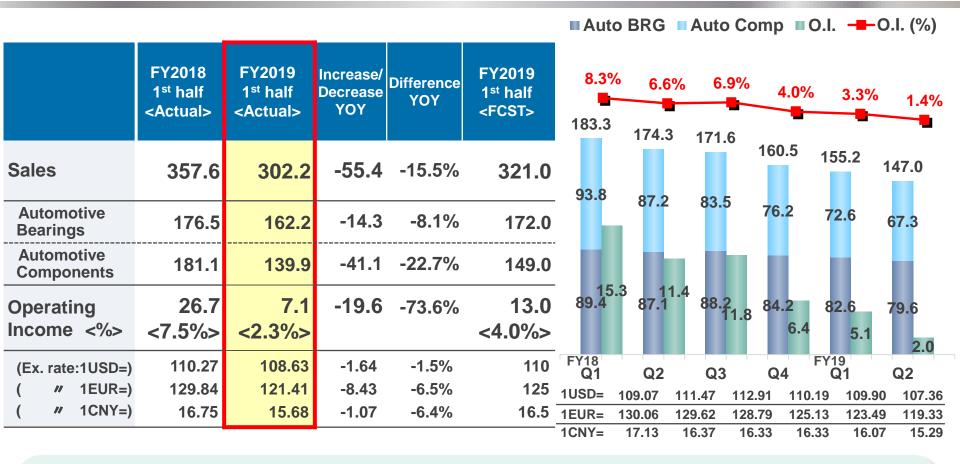
							Ind BF	RG P	recisior	ח <mark>■</mark> O.I.	0	.l. (%)
(Billions of yen)	FY2018 1 st half <actual></actual>	FY2019 1 st half <actual></actual>	Increase/ Decrease YOY	llinerencei	FY2019 1 st half <fcst></fcst>		-	11.9%	12.1%	12.0%	8.0%	5.8%
Sales	135.9	119.7	-16.2	-11.9%	129.0		15.9	66.6 1 <mark>5.3</mark>	14.7	65.9 1 <mark>3.</mark> 8	60.8 1 <mark>1.9</mark>	58.9 1 <mark>0.</mark> 6
Industrial Machinery Bearings	104.7	97.2	-7.5	-7.2%	103.0							
Precision Machinery and Parts	31.2	22.5	-8.7	-27.9%	26.0	Ę	8.8 53.4	7.9 51.3	8.2 53.5	7.9 52.1	49.0 4.9	48.2
Operating Income <%>	16.7 <12.3%>	8.3 <6.9%>	-8.4	-50.3%	12.0 <9.3%>	FY18					FY19 Q1	3.4
(Ex. rate:1USD=)	110.27	108.63	-1.64	-1.5%	110		Q1	Q2	Q3	Q4	Q1	Q2
(// 1EUR=)	129.84	121.41	-8.43	-6.5%	125	1USD=	109.07	111.47	112.91	110.19	109.90	107.36
(// 1CNY=)	16.75	15.68	-1.07	-6.4%	16.5	1EUR= 1CNY=	130.06 17.13	129.62 16.37	128.79 16.33	125.13 16.33	123.49 16.07	119.33 15.29

 Bearings: sales decreased due to sluggish sectors including capital goods (machine tools, robots) and consumer goods (home appliances), while infrastructure-related (wind turbines, railcars) remained robust.
Precision: Strongly affected by stagnation in sectors such as

semiconductors and machine tools as well as customer inventory adjustment. ✓ Operating income decreased due to volume decline and product mix.

Business Results: Automotive Business





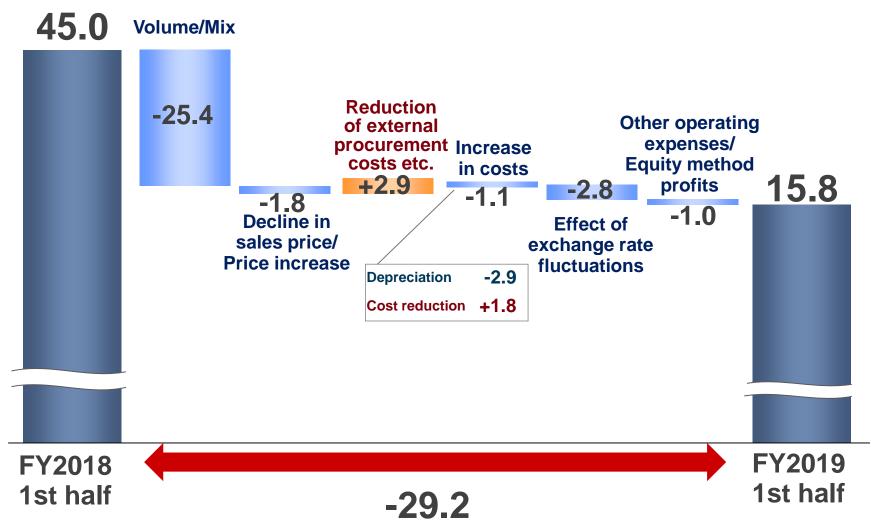
 Vehicle production volume declined: -12% in China, -20% in India YOY.
Automotive components: Volume decrease in AT-related products toward China. EOP in steering business.

Operating income decreased, largely affected by volume decline despite the reduction of labor cost.

Operating Income: Factors Behind Change (FY2018 1st half ⇒ FY2019 1st half)



(Billions of yen)





2. Consolidated Business Forecast for the Year Ending March 31, 2020

Summary of Consolidated Business Forecast for the Year Ending March 31, 2020



Forecasted Business Environment

Delay in economic recovery.

Industrial Machinery: Demand adjustment in machine tools, electrical, and semiconductors expected to be sustained.

Automotive: Global production volume to fall below 90 million. Decrease primarily in China and India.

Business Forecast

Revision to original business forecast

		vs. May forecast		
Sales :	¥ 860.0 billion	(-¥ 85.0 billion / -9.0%)		
Operating Income :	¥ 32.0 billion	(-¥ 31.0 billion / -49.2%)		
(O.I. %)	(3.7%)			
Net Income Attributable to Owners of the Parent :	¥ 21.0 billion	(-¥ 24.0 billion / -53.3%)		

2nd half: Reviewed exchange rate assumptions: USD=¥108 (originally ¥110), EUR=¥120 (originally ¥125), CNY=¥15.3 (originally ¥16.5) FY19 full-year dividend (forecast) remains unchanged at ¥40 per share (Interim: ¥20, 2nd half: ¥20).

Summary of Consolidated Business Forecast for the Year Ending March 31, 2020



	FY2018	FY2019							
(Billions of yen)	Full year <actual></actual>	1 st half <actual></actual>	2nd half <revised fcst=""></revised>	Full year <revised fcst=""></revised>	Increase/ Decrease YOY	Difference YOY	Full year <may fcst=""></may>		
Sales	991.4	434.8	425.2	860.0	-131.4	-13.3%	945.0		
Operating income <%>	79.3 <8.0%>	15.8 <3.6%>	16.2 <3.8%>	32.0 <3.7%>	-47.3	-59.6%	63.0 <6.7%>		
Income before income taxes	79.2	15.6	15.9	31.5	-47.7	-60.2%	62.5		
Net income attributable to owners of the parent	55.8	11.8	9.2	21.0	-34.8	-62.4%	45.0		
(Ex. rate: 1USD=)	110.91	108.63	108.00	108.32	-2.59	-2.3%	110		
(// 1EUR=)	128.40	121.41	120.00	120.71	-7.69	-6.0%	125		
(// 1CNY=)	16.54	15.68	15.30	15.49	-1.05	-6.3%	16.5		
Segment income	83.3	16.7	18.3	35.0	-48.3	-58.0%	66.0		
<%>	<8.4%>	<3.8%>	<4.3%>	<4.1%>			<7.0%>		

Segment Income : Operating income before deduction of other operating expenses

Forecast by Business Segment

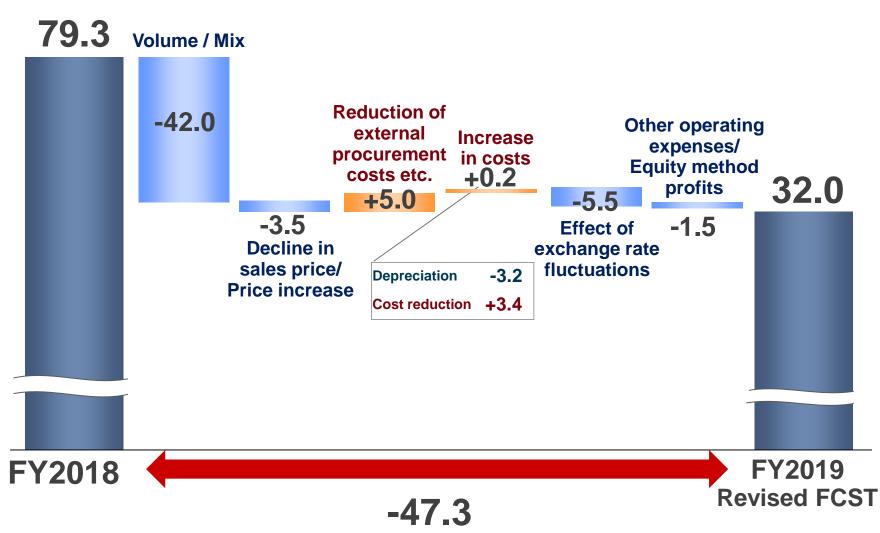


		FY2018						
(Billions of	yen)	Full year <actual></actual>	1 st half <actual></actual>	2 nd half <revised FCST></revised 	Full year <revised FCST></revised 	Increase/ Decrease YOY	Difference YOY	Full year <may fcst=""></may>
Total	Sales	991.4	434.8	425.2	860.0	-131.4	-13.3%	945.0
	Operating income	79.3	15.8	16.2	32.0	-47.3	-59.6%	63.0
	<%>	8.0%	3.6%	3.8%	3.7%			6.7%
Industrial Machinery	Sales	270.0	119.7	119.3	239.0	-31.0	-11.5%	265.0
Machinery Business	Industrial Machinery Bearings	210.3	97.2	98.3	195.5	-14.8	-7.0%	210.0
F	Precision Machinery and Parts	59.7	22.5	21.0	43.5	-16.2	-27.2%	55.0
	Operating income	32.9	8.3	8.7	17.0	-15.9	-48.3%	29.0
	<%>	12.2%	6.9%	7.3%	7.1%			10.9%
Automotive	Sales	689.7	302.2	292.3	594.5	-95.2	-13.8%	650.0
Business	Automotive Bearings	348.9	162.2	162.8	325.0	-23.9	-6.9%	352.5
	Automotive Components	340.8	139.9	129.6	269.5	-71.3	-20.9%	297.5
	Operating income	44.9	7.1	8.4	15.5	-29.4	-65.5%	33.0
	<%>	6.5%	2.3%	2.9%	2.6%			5.1%
Others	Sales	62.9	25.5	26.5	52.0	-10.9	-17.4%	59.0
	Operating income	5.6	1.2	1.3	2.5	-3.1	-55.4%	4.0
	<%>	8.9%	4.8%	4.9%	4.8%			6.8%
Eliminations	, (sales)	-31.2	-12.5	-13.0	-25.5	+5.7		-29.0
Other operatin / Adjustments		-4.2	-0.8	-2.2	-3.0	+1.2		-3.0

Operating Income: Factors Behind Change (FY2018 ⇒ FY2019 Revised Forecast)



(Billions of yen)





Exit strategies toward FY 2020 onward <u>Implement measures toward sluggish demand</u> <u>and maximize profit at the time of volume recovery.</u>

- -Short-term measures and structural enhancement:
- Fixed cost reduction.
- Management focusing on productivity.
- Continuing inventory reduction, primarily in works-in-progress.
- Capital expenditure:

For renewal and labor-saving only. Freezing of expansion investment.

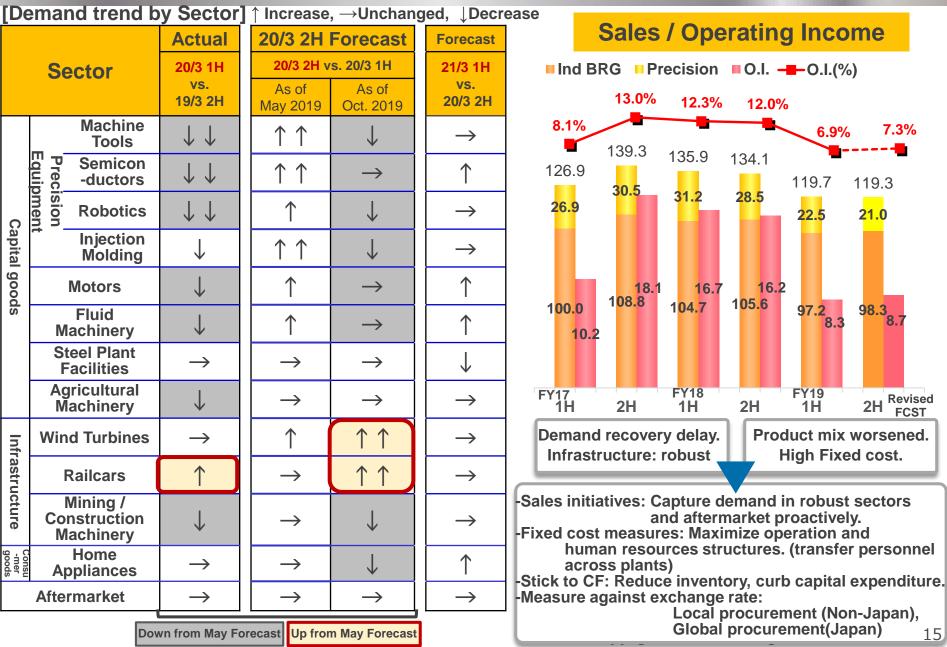
Maximization of order receipt opportunities.



3. Business Environment and Status of Initiatives by business segment

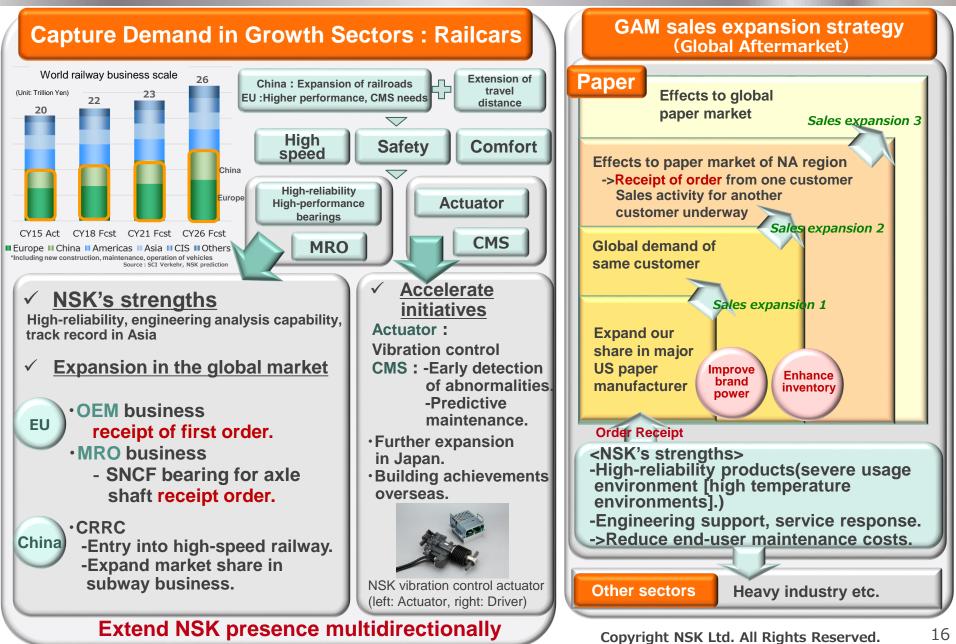
Industrial Machinery Business -Business Environment-





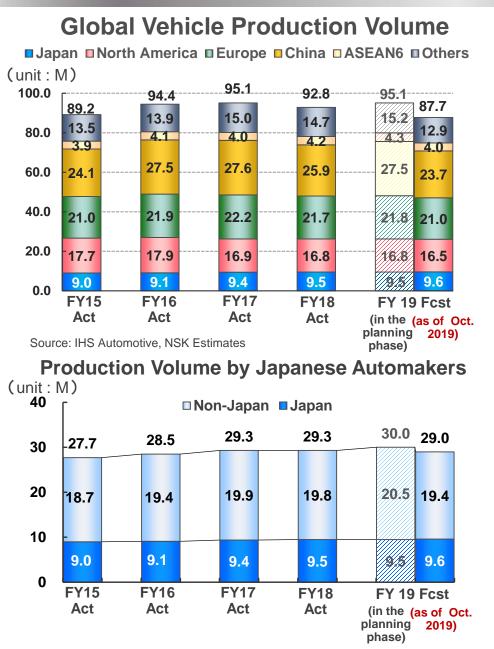
Industrial Machinery Business -Initiative status-





Automotive Business -Business Environment-





Sales / Operating Income Auto BRG Auto Comp O.I. ---O.I.(%) 8.9% **9.4%** 7.5% 5.5% 2.9% 2.3% 371.4 357.6 352.1 332.1 302.2 292.3 191.1 181.1 181.6 159.7 139.9 129.6 34.7 31.2 26.7 180.4 172.4 18.2 176.5 170.6 1**62.**2 162.8 8.4 7.1 FY17 1H FY18 1H FY19 1H 2H Revised 2H 2H FCST **Economic environment** High fixed cost. deterioration. Decrease in EPS. Auto market slowdown. -Leverage human resources for productivity improvement activities. -Build solid supply chain (dual source) Prepare for trade/exchange rate risks. -Curb capital expenditure. -Continue development activities toward regrowth in EPS business.

Copyright NSK Ltd. All Rights Reserved.

Automotive Business -Initiative Status-

EV



Response to electrification

Further expansion in electric-powered vehicles.

FY30 forecast: electric-powered vehicles ratio 57%(+4ppt)



Response to diversified powertrain.

Increased variation in bearing used.

-> Sure to capture business opportunities.

Development in Seamless 2-speed e-axle concept.



Traction Reducer + Ultrahigh speed motor. Compact, light-weight, Noise reduction

*Traction Reducer: Response to prototype requests for 2 customers are underway

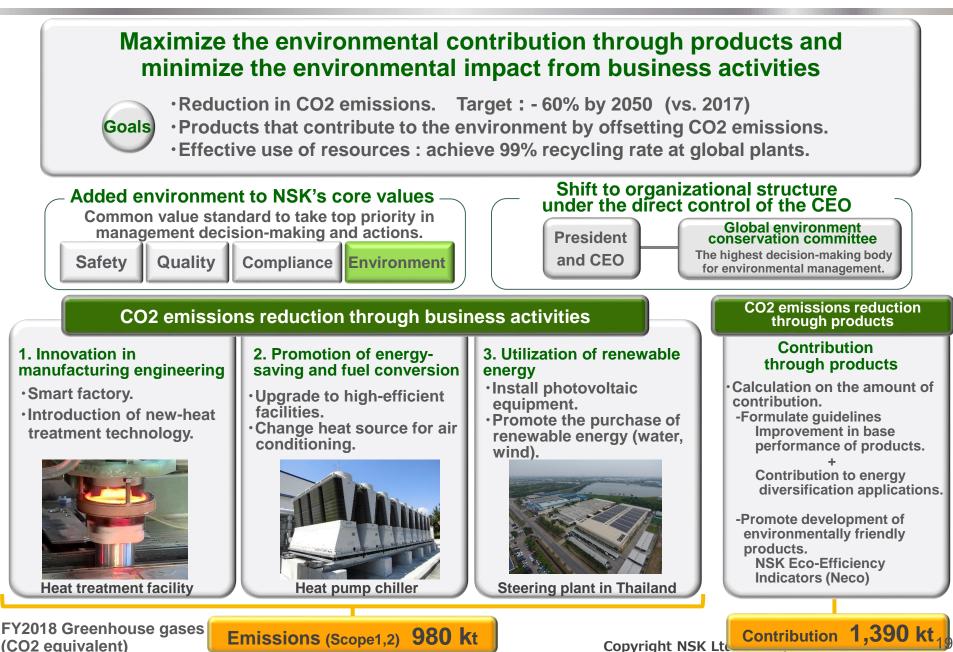
Two-speed transmission Torque sensor + electric shift actuator + FP/SP Increase acceleration and maximum speed, extend drive distance, shock-free gear changing

Growth in Steering & Actuator Business



NSK's Contribution to the Environment







(Supplementary Information)

(Supplementary Information)

Sales & Operating Income Results by Business Segment



						and the second se
(Billions of y	ren)	FY2018 1 st half <actual></actual>	FY2019 1 st half <actual></actual>	Increase/ Decrease YOY	Difference YOY	FY2019 1 st half <fcst></fcst>
Total	Sales	509.6	434.8	-74.8	-14.7%	464.0
	Operating income	45.0	15.8	-29.2	-64.9%	25.0
	<%>	8.8%	3.6%			5.4%
Industrial	Sales	135.9	119.7	-16.2	-11.9%	129.0
Machinery Business	Industrial Machinery Bearings	104.7	97.2	-7.5	-7.2%	103.0
	Precision Machinery and Parts	31.2	22.5	-8.7	-27.9%	26.0
	Operating income	16.7	8.3	-8.4	-50.3%	12.0
	<%>	12.3%	6.9%			9.3%
Automotive	Sales	357.6	302.2	-55.4	-15.5%	321.0
Business	Automotive Bearings	176.5	162.2	-14.3	-8.1%	172.0
	Automotive Components	181.1	139.9	-41.1	-22.7%	149.0
	Operating income	26.7	7.1	-19.6	-73.6%	13.0
	<%>	7.5%	2.3%			4.0%
Others	Sales	30.3	25.5	-4.9	-16.1%	28.0
	Operating income	2.8	1.2	-1.6	-57.3%	1.5
	<%>	9.3%	4.8%			5.4%
Eliminations (s	ales)	-14.2	-12.5	+1.7		-14.0
Other operating e / Adjustments	expenses	-1.3	-0.8	+0.5		-1.5

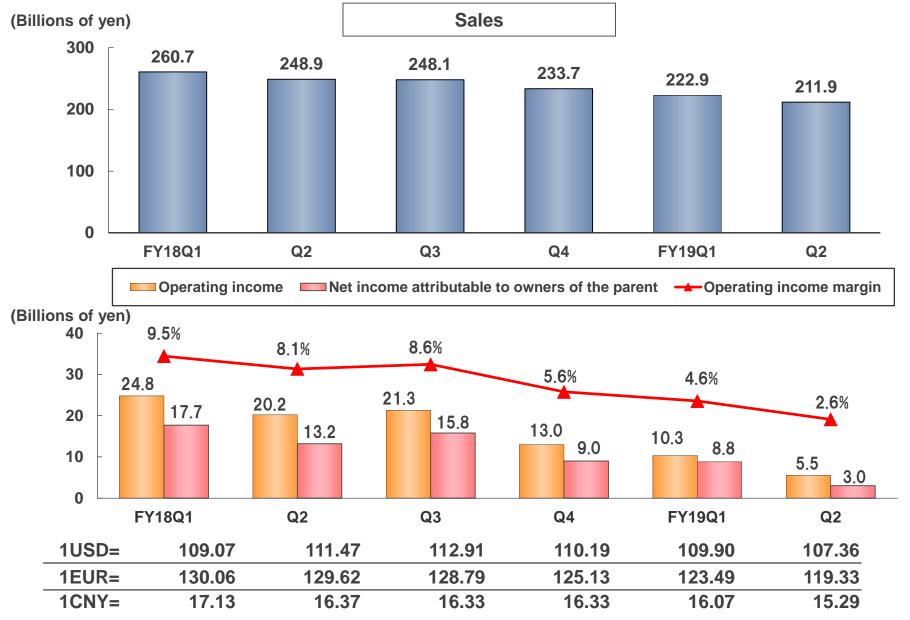
(Supplementary Information) Business Forecast by Customer Location



		FY2018		FY2019					
(Billions of yen)	1 st half <actual></actual>	2 nd half <actual></actual>	Full year <actual></actual>	1 st half <actual></actual>	2 nd half <revised FCST></revised 	Full year <revised FCST></revised 	Increase/ Decrease YOY	Difference YOY	Full year <may fcst=""></may>
Sales	509.6	481.8	991.4	434.8	425.2	860.0	-131.4	-13.3%	945.0
Japan	186.9	180.7	367.5	161.7	161.3	323.0	-44.5	-12.1%	356.0
Non-Japan <non-japan ratio=""></non-japan>	322.7 <63.3%>	301.1 <62.5%>	623.8 <62.9%>	273.1 <62.8%>	263.9 <62.1%>	537.0 <62.4%>	00.0	-13.9%	589.0 <62.3%>
The Americas	79.5	78.1	157.6	74.3	70.7	145.0	-12.6	-8.0%	151.5
Europe	64.7	65.4	130.1	56.9	56.1	113.0	-17.1	-13.2%	121.5
China	105.9	89.1	195.0	80.2	77.3	157.5	-37.5	-19.2%	176.5
Other Asia	72.6	68.5	141.1	61.6	59.9	121.5	-19.6	-13.9%	139.5
(Ex. rate: 1USD=) (1EUR=) (1CNY=)	129.84	111.55 126.96 16.33	110.91 128.40 16.54	108.63 121.41 15.68	108.00 120.00 15.30	120.71	-7.69	-6.0%	125

(Supplementary Information) Quarterly Business Performance

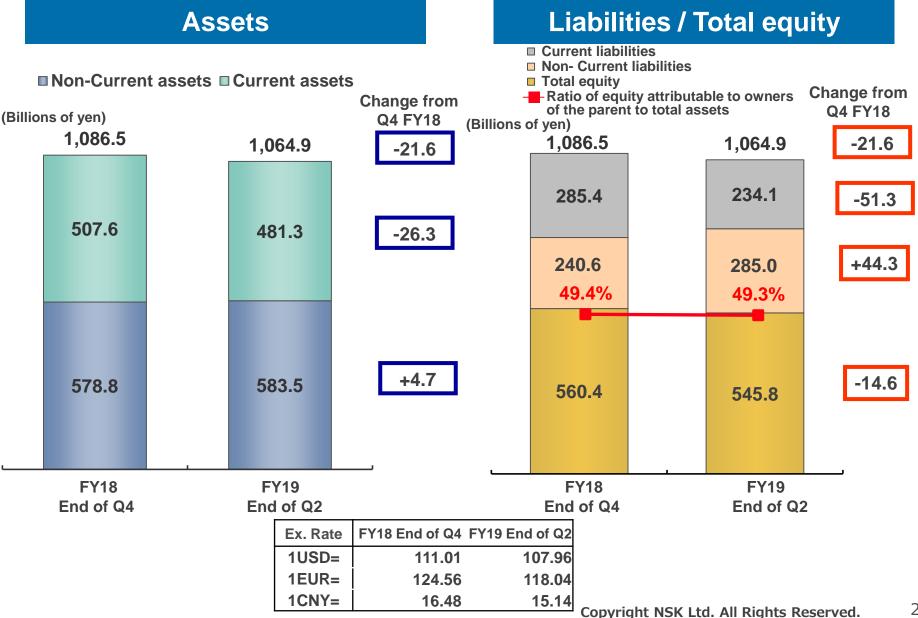




Copyright NSK Ltd. All Rights Reserved.

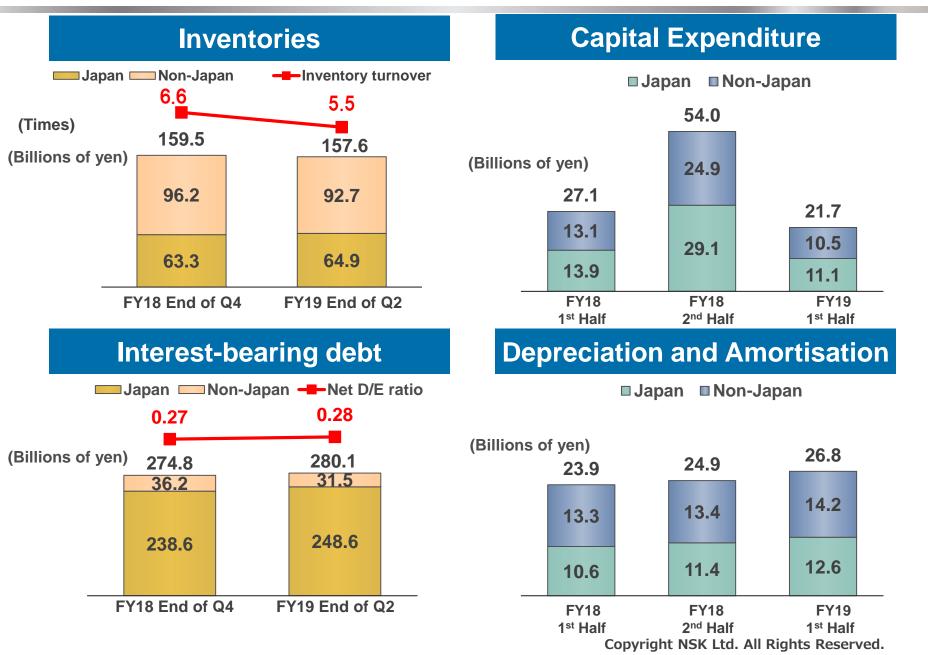
(Supplementary Information) **Consolidated Balance Sheet**





(Supplementary Information) Inventories / Interest-Bearing Debt, Capital Expenditure / Depreciation and Amortisation





(Supplementary Information) Capital Expenditure, Depreciation and Amortisation, R&D Expenses



(Billions of yen)	FY2018 1 st half <actual></actual>	FY2019 1 st half <actual></actual>	FY2019 Full year <fcst></fcst>	6 th MTP FY2019-FY2021 <original plan=""></original>
Capital Expenditure	81.1	21.7	60.0	180.0
Depreciation and Amortisation	48.8	26.8	52.0	160.0
R&D Expenses (on a statutory basis)	19.0	9.2	19.0	_
R&D Expenses (on a managerial basis)	32.4	15.9	32.0	vs. Sales 3 – 4%



Copyright : NSK Ltd. All rights reserved for all pages.