# The 55th Annual General Meeting of Shareholders



**TOKYO ELECTRON** 

### June 19, 2018

### **FY2018 Financial Report**

#### (FY2018: April 1, 2017 – March 31, 2018)



### **Consolidated Statement of Income**

	FY2017	(%)	FY2018	(%)	(Billion Yen) Variance
Net sales	799.7	100.0	1,130.7	100.0	+331.0
SPE	749.8	93.8	1,055.2	93.3	+305.3
FPD	49.3	6.2	75.0	6.7	+25.6
Others	0.4	0.0	0.4	0.0	▲0

SPE: Semiconductor Production Equipment

FPD: Flat Panel Display Production Equipment

## Consolidated sales up 41% YoY exceeding the market growth rate, over 1,000 Billion yen for the first time



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### **Consolidated Statement of Income**

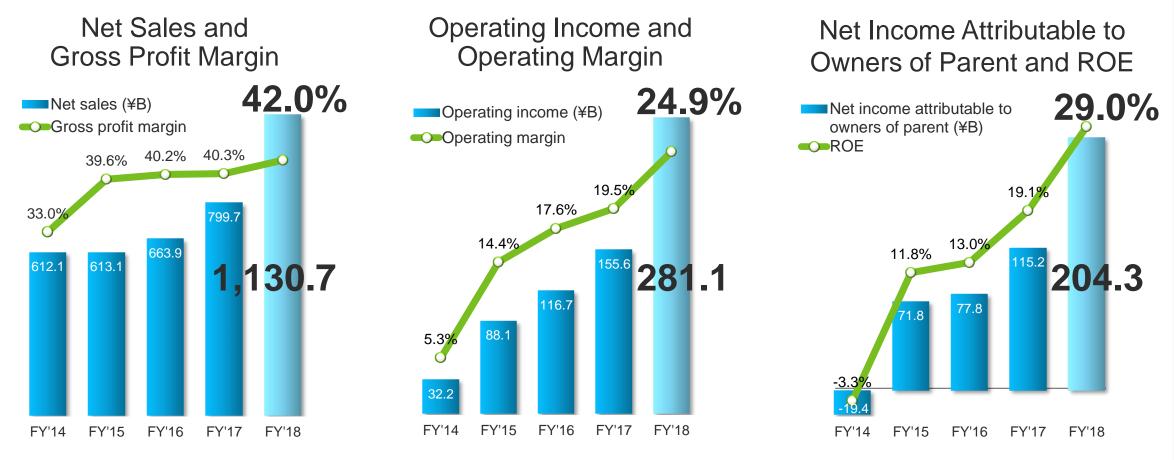
(Billion Yen)

	FY2017	(%)	FY2018	(%)	Variance
Net sales	799.7	100.0	1,130.7	100.0	+331.0
Gross profit	322.2	40.3	475.0	42.0	+152.7
Operating income	155.6	19.5	281.1	24.9	+125.4
Ordinary income	157.5	19.7	280.7	24.8	+123.1
Unusual or infrequent profit	0		0		+0
Unusual or infrequent loss	8.4		5.5		▲2.9
Income before income taxes	149.1	18.6	275.2	24.3	+126.1
Net income attributable to owners of parent	115.2	14.4	204.3	18.1	+89.1

Consolidated sales, and respective income all reached new record highs.



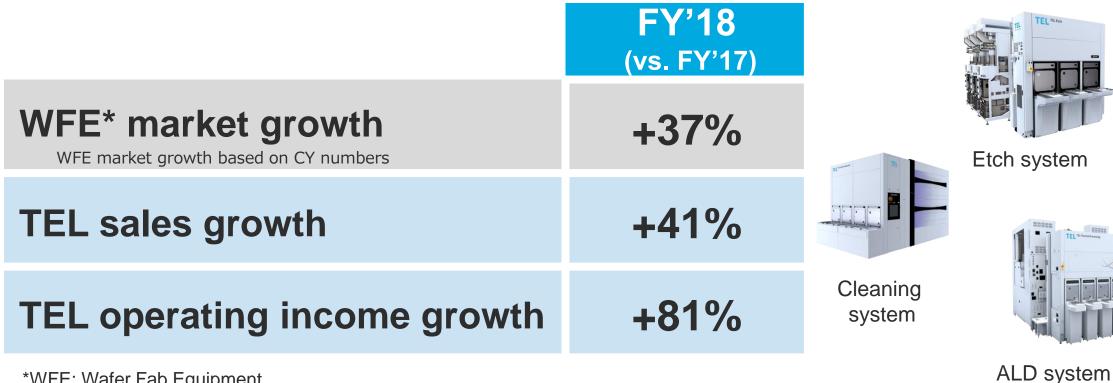
### FY2018 (April 2017-March 2018) highlights



### In addition to high sales and profit, large improvement in profit margin



### **Growth drivers**



\*WFE: Wafer Fab Equipment

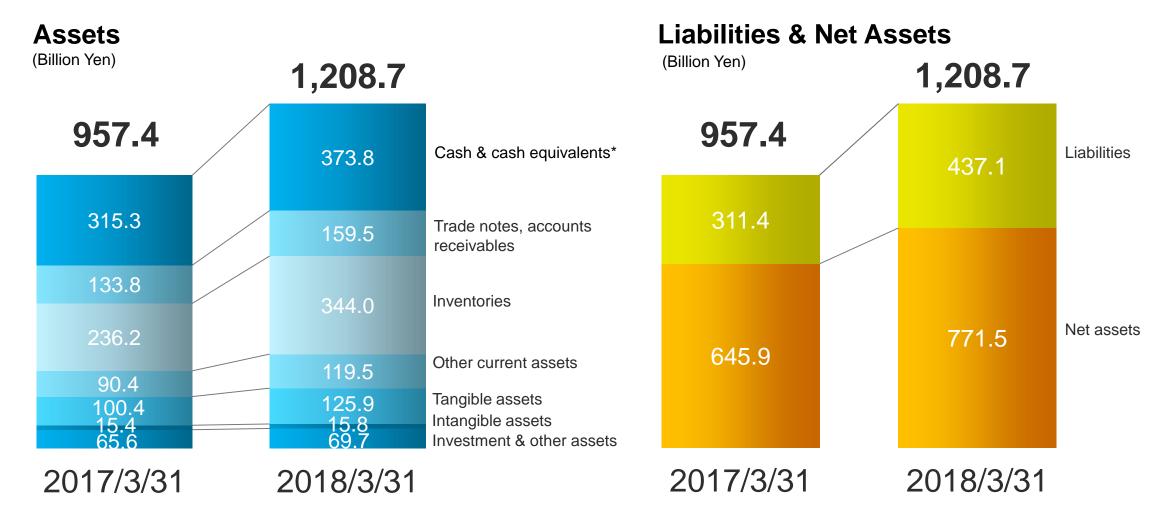
\*ALD: Atomic layer

deposition tools

### Entered and increased market share in growth areas **Outperformed overall market growth**



### **Consolidated Balance Sheet**



\*Include time deposits + Short-term investments, etc. (Securities on B/S).



### **Non-consolidated Financial Statement**

(Billion Yen)

Statement of Income	FY2017	(%)	FY2018	(%)	Variance
Net sales	751.0	100.0	1,052.7	100.0	+301.6
Operating income	60.5	8.1	122.8	11.7	+62.2
Ordinary income	61.8	8.2	128.5	12.2	+66.6
Income before income taxes	63.8	8.5	127.2	12.1	+63.4
Net income	46.6	6.2	91.3	8.7	+44.6

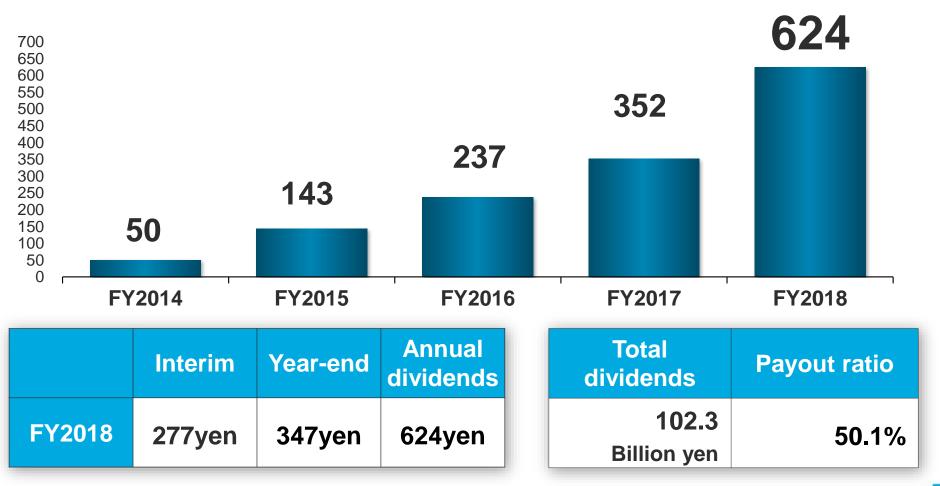
Balance Sheet	FY2017	(%)	FY2018	(%)	Variance
Total assets	768.6	100.0	994.0	100.0	+225.4
Total liabilities	428.1	55.7	636.1	64.0	+207.9
Total net assets	340.5	44.3	357.9	36.0	+17.4
Total liabilities & net assets	768.6	100.0	994.0	100.0	+225.4



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### **FY2018 Dividends**

#### Annual dividend per share





(Yen)

### **FY2019 Financial Estimates**

#### (FY2019: April 1, 2018 – March 31, 2019)



### **Business Environment**

### SPE Capex

CY2018 WFE capex forecast to increase by around 15% YoY driven by buoyant demand for memory

### FPD Capex

CY2018 demand for FPD manufacturing equipment forecast to increase 10% YoY despite adjustments to investment in small/medium panels for mobile devices, with demand driven by significantly expanded investment on demand for large panels

### **FY2019 Consolidated Financial Estimates**

(Billion Yen)

	1 <sup>st</sup> Half	2 <sup>nd</sup> Half	Full year	YoY changes
Net Sales	690.0	710.0	1,400.0	+23.8%
SPE	634.0	654.0	1,288.0	+22.1%
FPD	56.0	56.0	112.0	+49.2%
Operating Income	173.0 25.1%	193.0 27.2%	<b>366.0</b> 26.1%	+30.2% +1.2pts
Ordinary Income	173.0	193.0	366.0	+30.4%
Income before income taxes	173.0	193.0	366.0	+33.0%
Net income attributable to owners of parent	128.0	142.0	270.0	+32.1%

SPE: Semiconductor Production Equipment

FPD: Flat Panel Display Production Equipment

### Expect sales growth to exceed market growth, Generating record high profits\* for third consecutive year

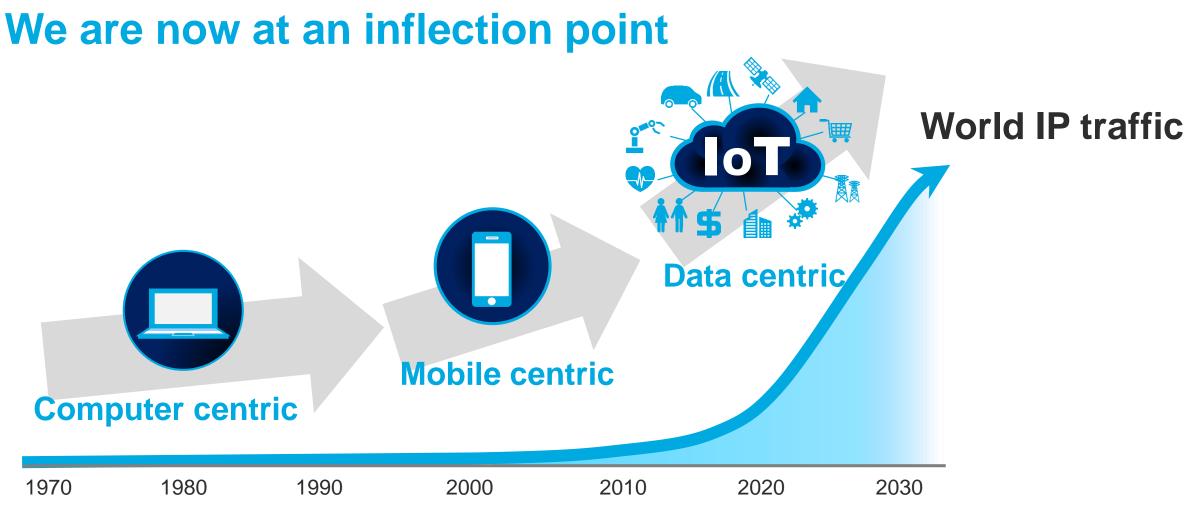
### Aiming for further growth

- **1. Business environment and TEL**
- 2. New financial model
- 3. Supporting sustainable development of society
- 4. Returns to shareholders



### **Business environment and TEL**

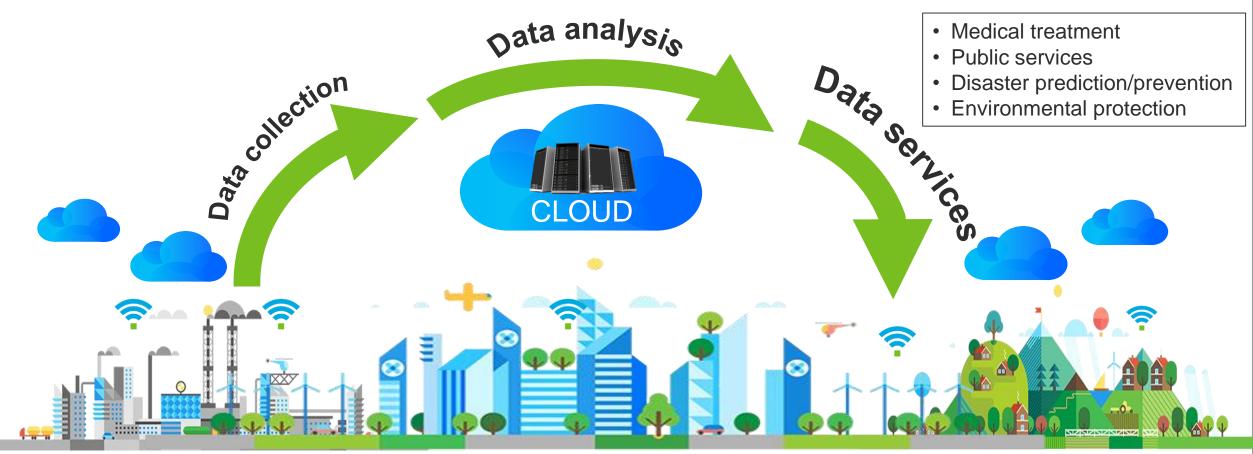




# With the spread of IoT technology, the age of big data is beginning



### **Big data – Tremendous possibilities**



### Data is fostering a more prosperous society



### **Applications and services Big Data will realize**



### **Further semiconductor evolution required**

### Large investment in the Cloud

### Hyperscale data center\* Construction boom

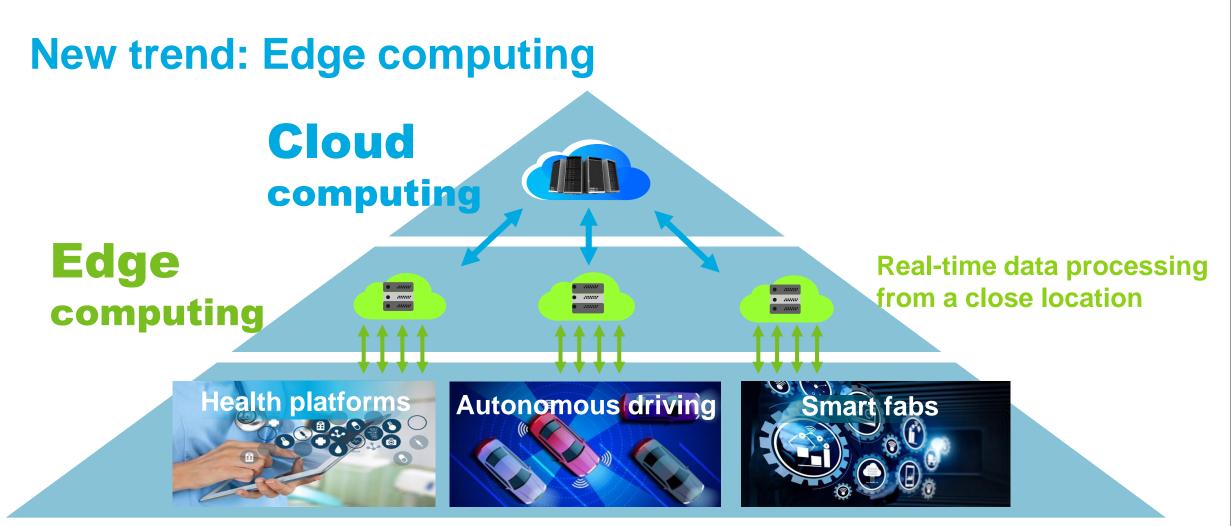
# CY2016 CY2021 Source CISCO Continued data growth (CAGR27%<sup>\*2</sup>) Necessary to replace servers every 5 years

\*1: CISCO's definition: Operator with annual revenue of over \$1B from IaaS/Paas, over \$2B from SaaS, over \$4B from internet, search and social networking, and over \$8B in e-commerce/payment processine \*2: Source: CISCO GCI2017.2 CAGR of data center traffic 2016-2021

### **Continued strong demand for memory**



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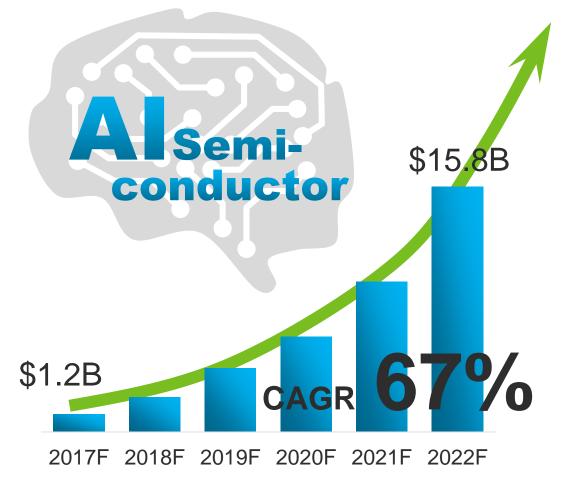


Market growth for services where delays are unacceptable Leading-edge chips with high speed and lower power consumption are essential

The 55th Annual General Meeting of Shareholders



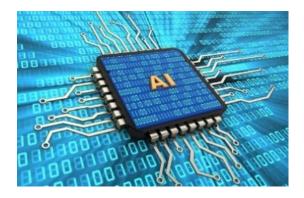
### **Artificial intelligence (AI)**



Source: Gartner Forecast : Al Neural Network Processing Semiconductor Revenue, Worldwide, 2018, issued on 11 January 2018 Graph based on Gartner research; created by TEL

## Al spreading with amazing speed

#### **Competition of AI chip development intensifying**

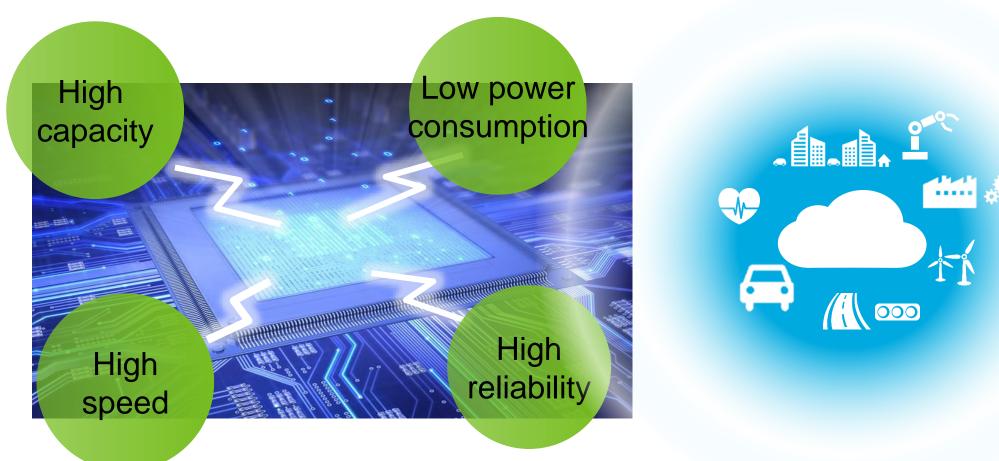




# "Data-driven society" is driving growth of semiconductor industry



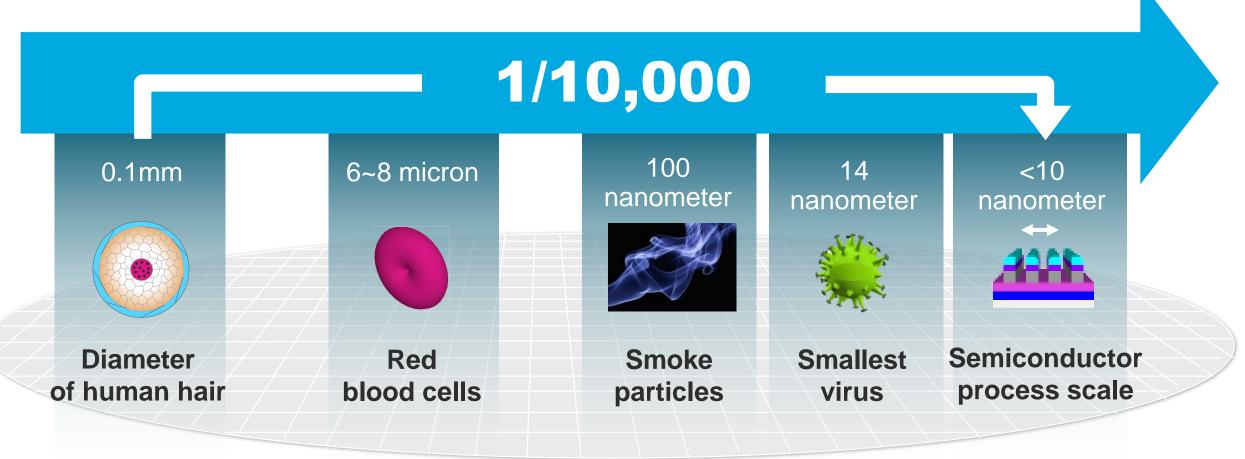
#### Semiconductors in Era of IoT and Big Data



## Large amount of diverse, more sophisticated semiconductors required

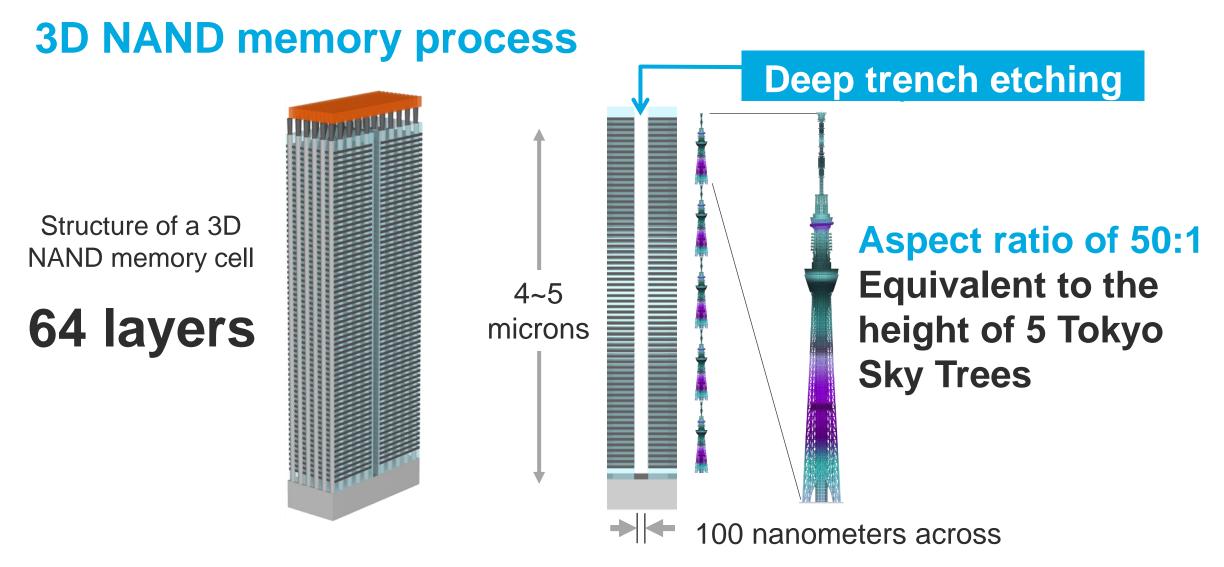


### **Surprising microscopic level of semiconductors**



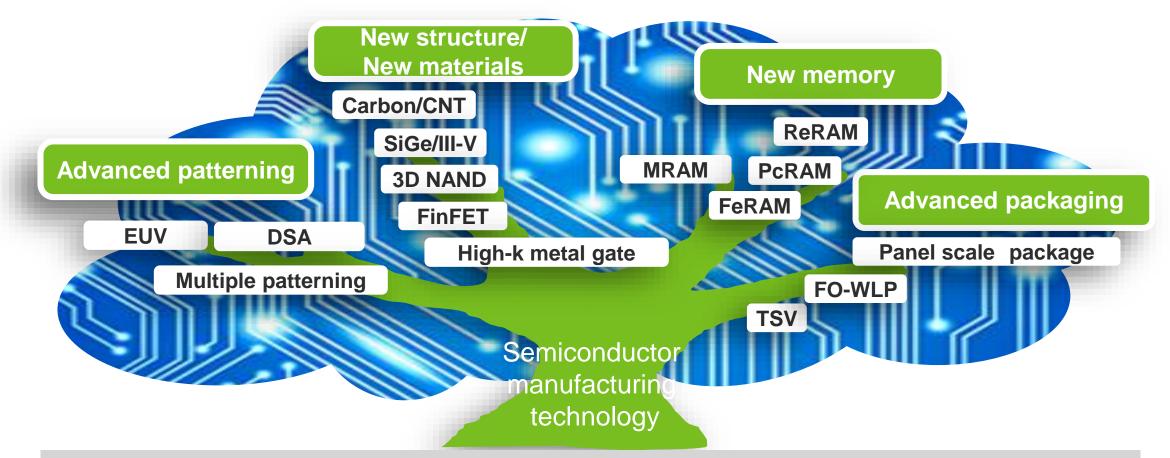
# Semiconductor technology moving toward the ultimate nano-electronics





### **Ultrafine process technology required**

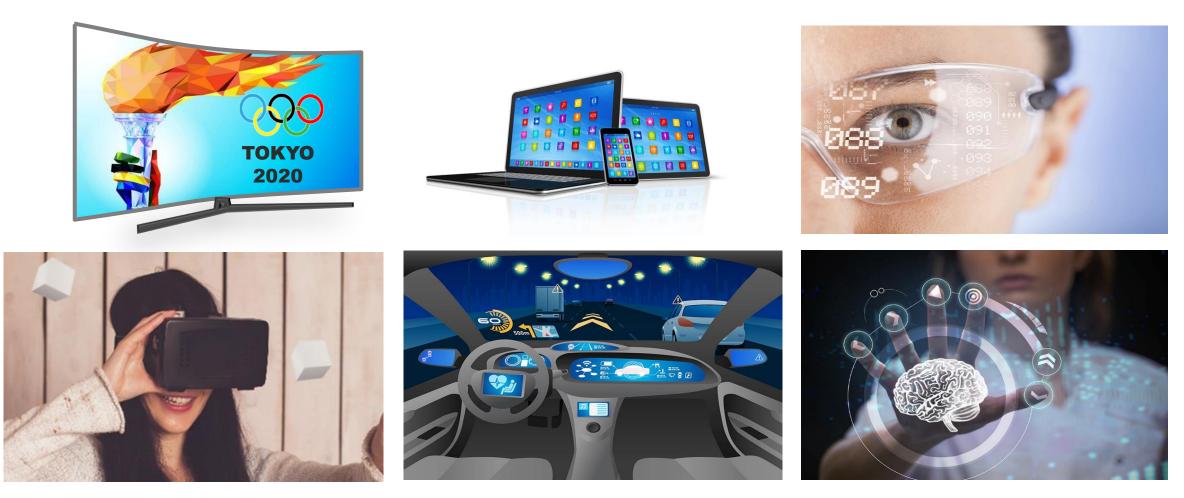
### **Semiconductor evolution continues**



# Wide variety of new technologies will support evolution of semiconductors



### In the IoT era, displays will also change



#### Applications for display are expanding

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### **Technological trends in displays**



Increase in size
High resolution
OLED

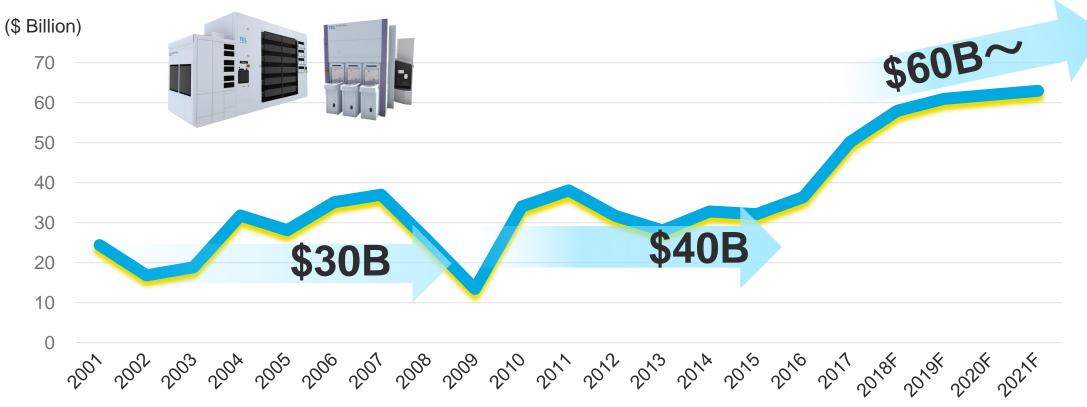
• **Design** (Flexible, Bending, Free format)

### **Technological evolution of displays continues**



# Technological innovation will continue to expand the market

### **WFE Market outlook**

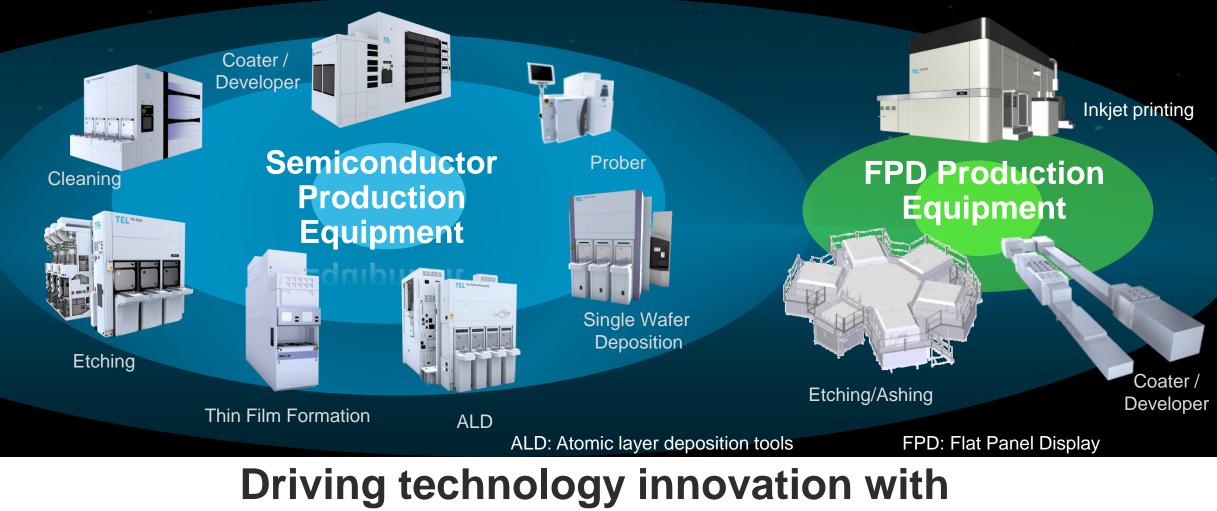


Source: 2001~2017; SEAJ, SEMI, SEMI Japan (Wafer Process +Test), 2018~2021; TEL estimate

# WFE semiconductor equipment market moving into a new phase



### **TEL's product line-up**



### a diverse product portfolio and leading-edge technology

### Revising financial model based on further market expansion and high growth opportunities

### **New financial model**

### Progress on previous medium-term management plan

wfe Market size	FY'16 (Actual) \$31B	FY'17 (Actual) <b>\$37</b>	FY'18 (Actual) \$51B	FY'19 (Estimate) <b>\$58B</b>		is) FY'20 al model \$45B
Net sales	¥663.9B	¥799.7B	¥1.13T	¥1.40T	¥1.05T	¥1.20T
Operating margin	<b>17.6</b> %	19.5%	24.9%	<b>26.1</b> %	<b>24</b> %	<b>26</b> %
ROE	<b>13.0</b> %	° 19.1%	29.0%	-	20	~25%

# Continuing with our plan to strengthen competitiveness of products and raising profitability



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### New financial model (FY2021)

WFE Market size	\$55B	<b>\$62B</b>
Net sales	¥1.5T	¥1.7T
<b>Operating margin</b>	26.5%	28%
ROE	30% ~	- 35%

# Aiming for a world-class operating margin greater than 30% in the medium- to long-term



#### Three focus areas for new growth





### **Investment in R&D**



### Investing in focus areas and future technology

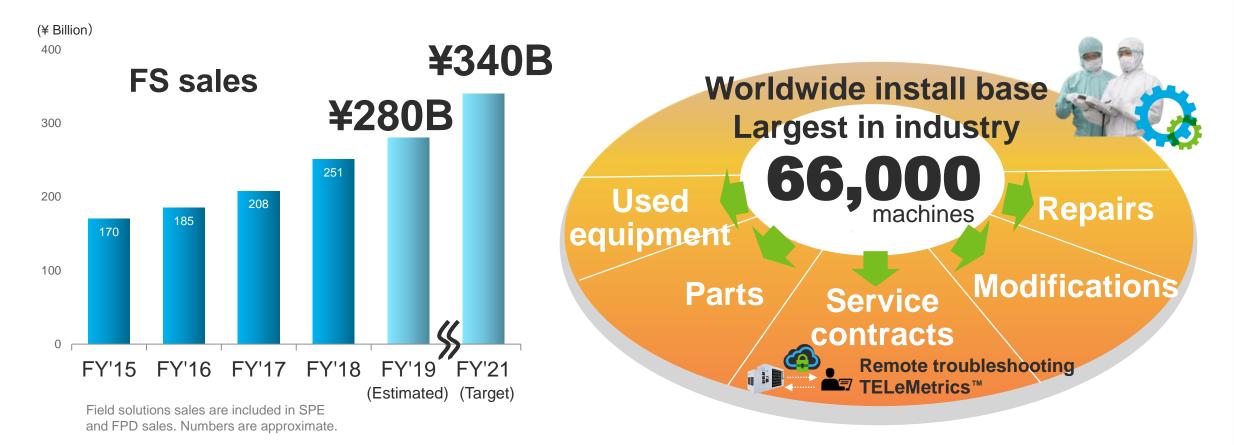


### **Increasing development and production capability**



**Expanding development and production for growth areas:** etch and deposition 37

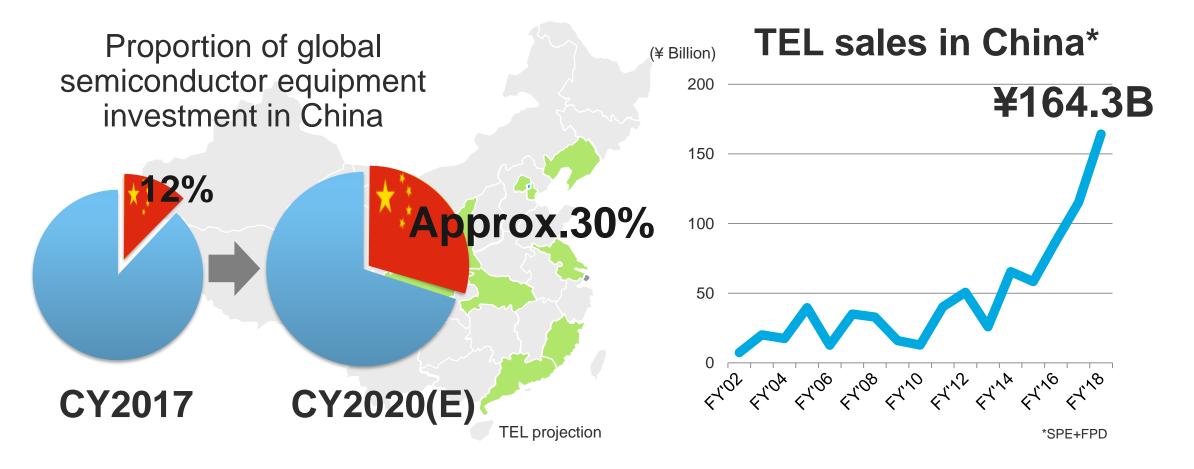
### **Field solutions business expanding**



### Previously sold equipment brings additional business opportunities and value



### **Market expansion in China**



### Building a solid base for this growth market





### TEL is focused on ultimate miniaturization technology, high reliability, and world-class post-sales services



# Supporting sustainable development of society (ESG)



### **Further improve value for society**



#### **ESG Programs**

E: Environment	Climate change, Water, Biodiversity, Environmental management
S: Social	Human rights, Employment/labor, Health & safety, Supply chain management, Local community
G: Governance	Corporate governance, Compliance, Risk management

## Continue to grow with the trust of all stakeholders



#### **External assessments**

### **TEL is included on several ESG-related indices**



### TEL ESG (Environmental, Social, Governance) programs have received very positive reviews



### TEL named as one of Thomson Reuters' **Top 100 Global Tech Leaders**

Jan 2018



**Contributing to the environment** 

# Continuing to reduce energy consumption is a big challenge in the IoT era



# TEL is creating a better society by providing technological solutions



### TEL's mission and responsibility to provide cutting-edge technology for society will continue to increase in the future



### **Returns to shareholders**

**Basic approach for shareholder returns** 

# Create value through innovative technologies and proactive, groundbreaking solutions



Pursue profits, enhance corporate value



### **Appropriate returns to shareholders**



#### **TEL shareholder return policy**

### **Dividend payout ratio: 50%**

Annual DPS of not less than 150 yen

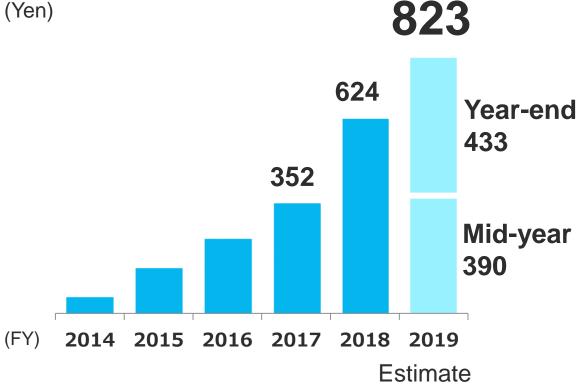
We will review our dividend policy if the company does not generate net income for two consecutive fiscal years.



### **Dividend forecast**

### **Dividend per share**

(Yen)



### **DPS for March 2019** expected to increase over 30% YoY



