

### THE NEW VALUE FRONTIER

November 29, 2018

# Kyocera IR Day

Hideo Tanimoto President and Representative Director

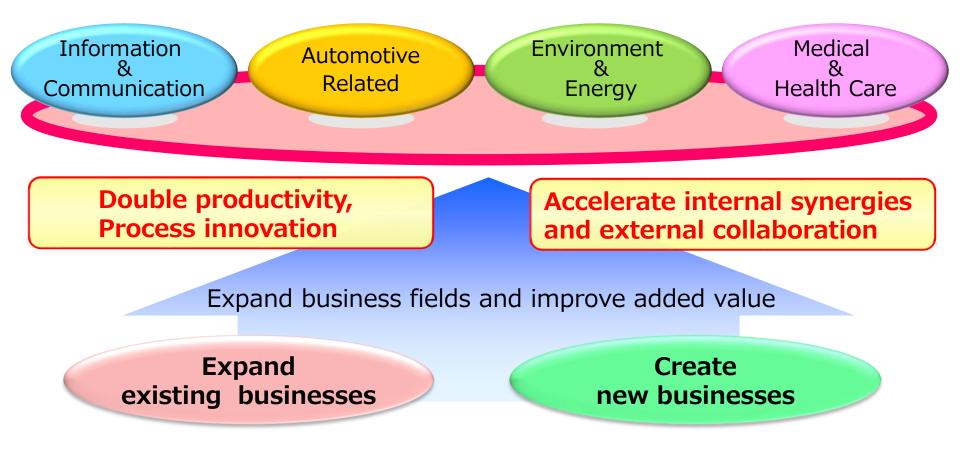
#### **KYOCERA** Corporation

This is an English translation of the Japanese original. The translation is prepared solely for the reference and convenience of foreigners. In the event of any discrepancy between this translation and the Japanese original, the latter shall prevail.



### Basic Policy for Business Growth

# FY3/21 Target: Sales revenue 2 trillion yen Profit before income taxes ratio 15%





# Enhance Management Foundation (1)

1. Aggressive Capital Expenditures ➤ Expand Existing Businesses FY3/19 Capital Expenditures Forecast : 110 Billion Yen

Kyocera Document Technology China 10<sup>th</sup> plant



(Start mass-production Aug. 2018)



Organic Photo Conductor (OPC) drum

New facility at Kagoshima Kokubu Plant



(Plan operations from H2 FY3/19)



Parts for SPE

#### Kyocera Document Technology Vietnam 3<sup>rd</sup> plant



(Plan operations from FY3/20)



#### New facility at Kagoshima Sendai Plant



(Plan operations from FY3/20)



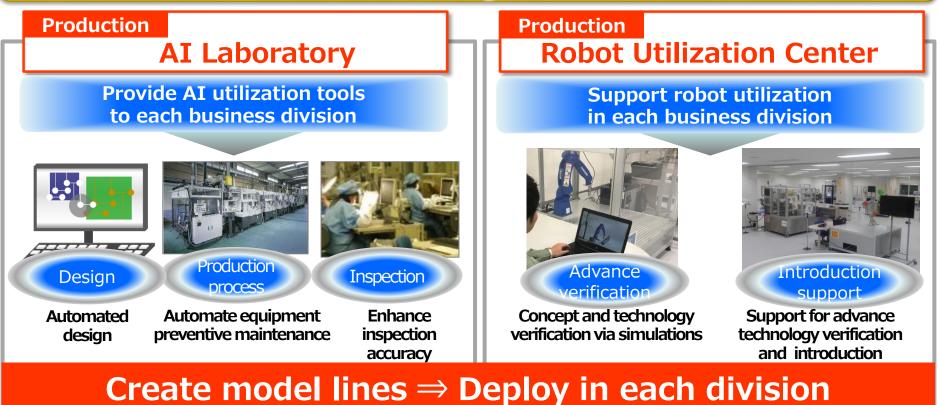
SMD ceramic packages





# Enhance Management Foundation (2)

2. Utilize State-of-the-Art Technology ➤ Strengthen Competitiveness Double Productivity and Cost Reduction



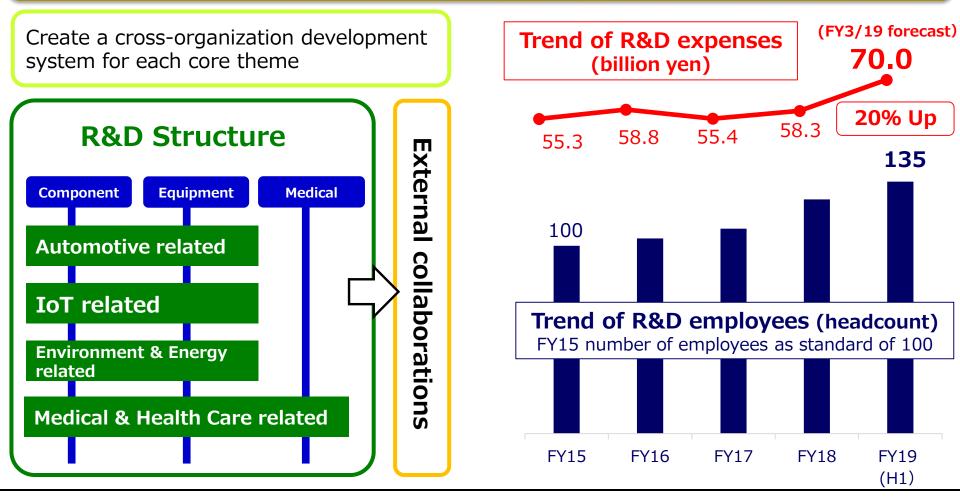
### Indirect departments

Business Innovation Project



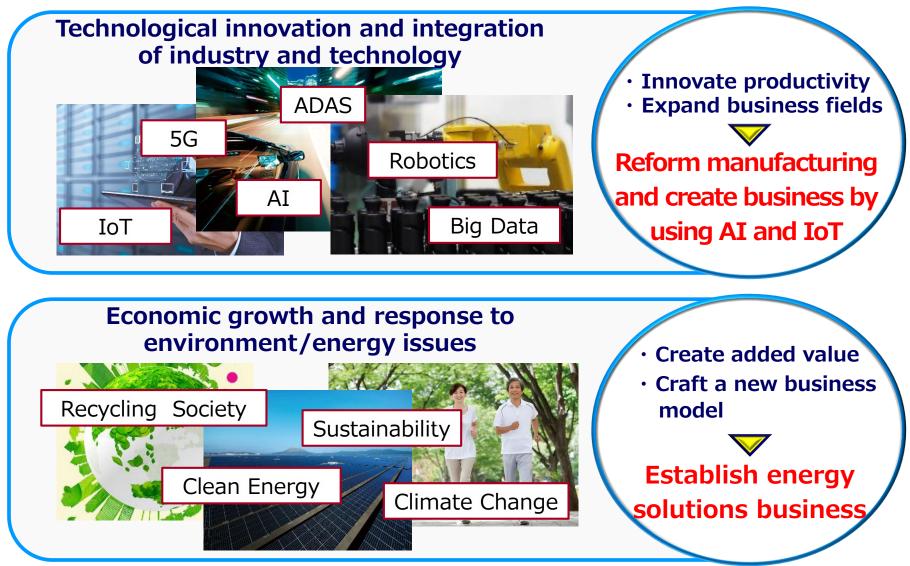
# Enhance Management Foundation (3)

3. Strengthen Internal Synergies & External Collaborations ➤ Create New Businesses Strengthen R&D Structure





### Challenges to Achieving Mid- to Long-Term Growth





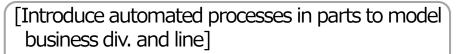
### 1. Reform manufacturing and create businesses by using AI and IoT



# Enhance Production Efficiency through AI and Line Automation

### **Ex:** Fine ceramic parts





Scheduler

Effect

#### Operating system

Auto drawing, Sorting, Grinding, Processing, Estimation of shrinkage rate, etc.

Data collection / analysis



Increase utilization rate via AI: 1.5x

### **Ex: Kyocera Document Solutions**

Fully automated toner container line (Tamaki Plant)

- Started operation of second line in July
- From molding to assembling, filling, inspection and packaging operation



Fully automated line for OPC drums (China plant) Started

in August





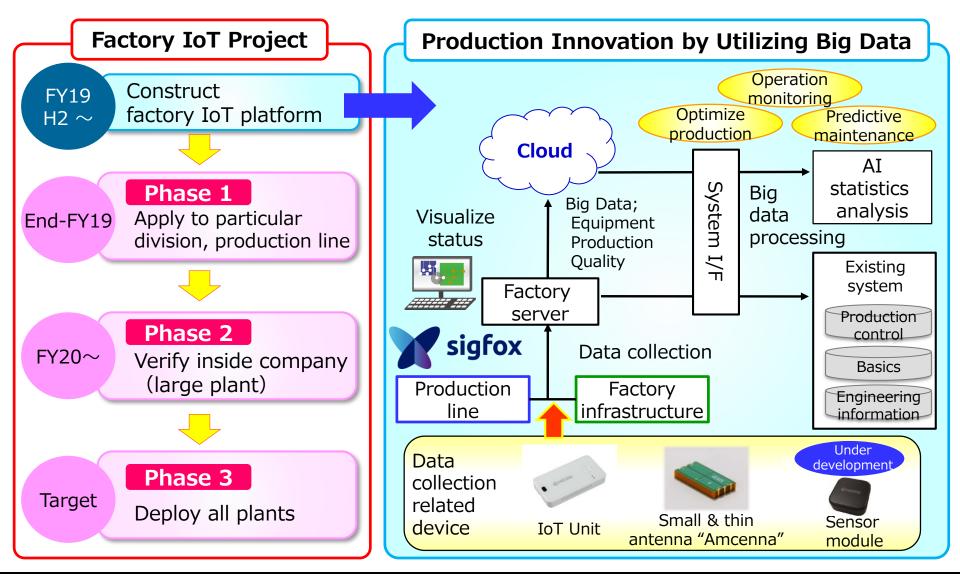


**Reduce headcount via** automation at both sites: Down to 1/10

### Aim to double productivity through deployment across entire Group



### Boost Competitiveness by Promoting Factory IoT Project





### Connected Car Solution Proposed by Kyocera



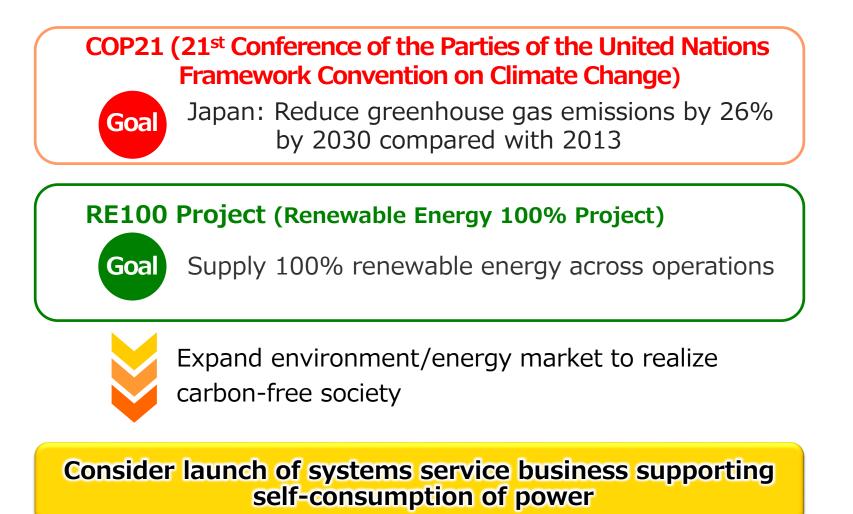
automotive systems to infrastructure



# 2. Establish energy solutions business



### Rising Awareness of Environment/Energy Issues





### **Business Development Aimed at Self-Consumption**

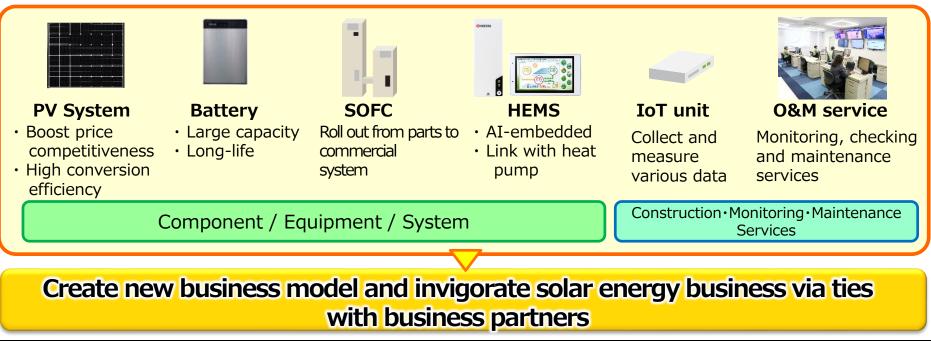
### Create business model linked to changes in demand



User: Obtain highly efficient system at low cost and gain revenue by selling power Maker: Business model based on panels

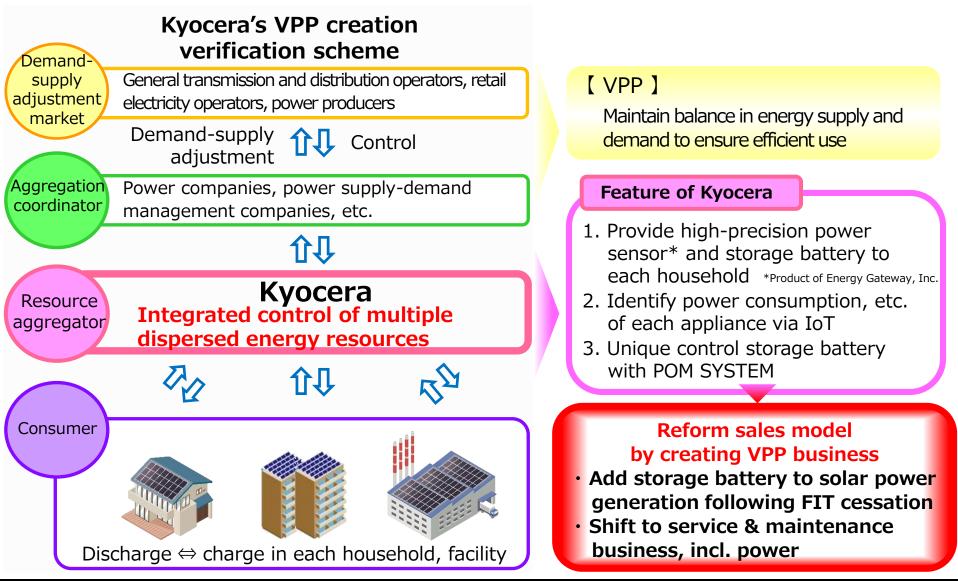


User: Each person uses highly efficient system reliably over long term Maker: Shift to maintenance/management service business model supporting long-term stable supply





# Creation of VPP Solutions





# 3. Aggressive investment to expand business



### **Capital Expenditure**

Capital expenditure

### Earmark over 100 billion yen from FY20

- Expand production capacity
- IT related investment
- Support for environmental issue







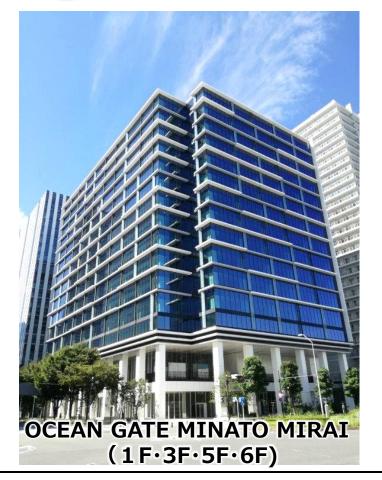
Kanagawa Kawasaki Plant (Organic chemical materials)



### R&D

Build new software-related research facility in Yokohama Minato Mirai 21

(Plan to start operation from the end of May 2019 onward)



R&D





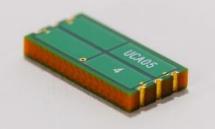


New products

**Increase development items and external collaborations** 

#### Key device supporting IoT spread

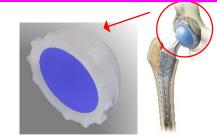




Amcenna small, thin antenna

#### Contributing to longer life of artificial hip joints

Prize of the Minister of Economy, Trade and Industry at 2018 National Invention Awards



Aquala® surface-processing technology for artificial hip joints developed in collaboration with The University of Tokyo Contributing to automation of inspection and analysis in life sciences field



Cell separation and concentration measurement device and optical sensor (upper right)

M&A

Aim to secure new projects with annual revenue of 100 billion yen



### **Cautionary Statements with respect to Forward-Looking Statements**

Certain of the statements made in this document are forward-looking statements, which are based on our current assumptions and beliefs in light of the information currently available to us. These forward-looking statements involve known and unknown risks, uncertainties and other factors. Such risks, uncertainties and other factors include, but are not limited to the following:

- (1) General conditions in the Japanese or global economy;
- (2) Unexpected changes in economic, political and legal conditions in countries where we operate;
- (3) Various export risks which may affect the significant percentage of our revenues derived from overseas sales;
- (4) The effect of foreign exchange fluctuations on our results of operations;
- (5) Intense competitive pressures to which our products are subject;
- (6) Fluctuations in the price and ability of suppliers to provide the required quantity of raw materials for use in our production activities;
- (7) Manufacturing delays or defects resulting from outsourcing or internal manufacturing processes;
- (8) Shortages and rising costs of electricity affecting our production and sales activities;
- (9) The possibility that future initiatives and in-process research and development may not produce the desired results;
- (10) Companies or assets acquired by us not produce the returns or benefits, or bring in business opportunities;
- (11) Inability to secure skilled employees, particularly engineering and technical personnel;
- (12) Damages on our information security systems from cyberattacks, etc. and significant costs in order to recover and maintain the systems;
- (13) Insufficient protection of our trade secrets and intellectual property rights including patents;
- (14) Expenses associated with licenses we require to continue to manufacture and sell products;
- (15) Environmental liability and compliance obligations by tightening of environmental laws and regulations;
- (16) Unintentional conflict with laws and regulations or newly enacted laws and regulations;
- (17) Our market or supply chains being affected by terrorism, plague, wars or similar events;
- (18) Earthquakes and other natural disasters affecting our headquarters and major facilities as well as our suppliers and customers;
- (19) Credit risk on trade receivables;
- (20) Fluctuations in the value of, and impairment losses on, securities and other assets held by us;
- (21) Impairment losses on property, plant and equipment, goodwill and intangible assets;
- (22) Unrealized deferred tax assets and additional liabilities for unrecognized tax benefits; and
- (23) Changes in accounting principles.

Due to such risks, uncertainties and other factors, our actual results, performance, achievements or financial condition may be substantially different from any future results, performance, achievements or financial condition expressed or implied by these forward-looking statements. We undertake no obligation to publicly update any forward-looking statements included in this document.