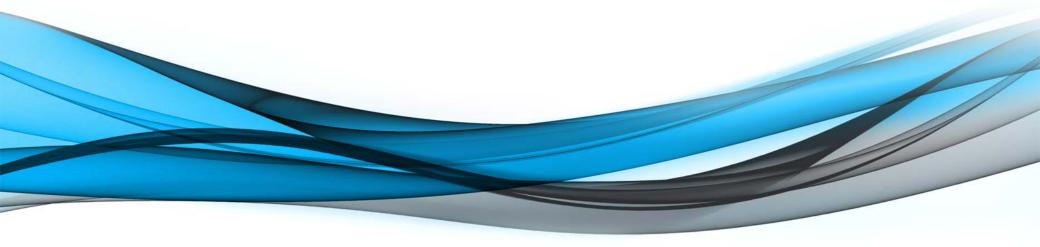
### KONICA MINOLTA, INC Mid Term Business Strategy

Shoei Yamana, President and CEO April 14, 2016





We aim to raise interest and heighten understanding of investors who take a medium- to longterm approach to managing their investments. Accordingly, we continually release important non-financial information which includes details on the direction we are heading and our approach with respect to management and operations over the medium to long term, particularly from the viewpoint of maintaining constructive dialogue with investors, which takes on even more importance now that Japan's Corporate Governance Code has been established.

#### **1** Purpose of today's briefing

 The purpose of today's briefing is to describe the direction we are headed with the business as we envision it five years from now, and to convey details regarding our strategy and the scale of our revenues in respective fields of business, and to communicate our sense of profitability overall.

#### <sup>2</sup> Timeline

- May 2016: Release of the financial results for FY2015 and financial forecasts for FY2016
- Oct. 2016: Release of an outline of the next Medium Term Business Plan
- Apr. 2017: Official release of the next Medium Term Business Plan in its entirety

#### **Creating New Value for People and Society**



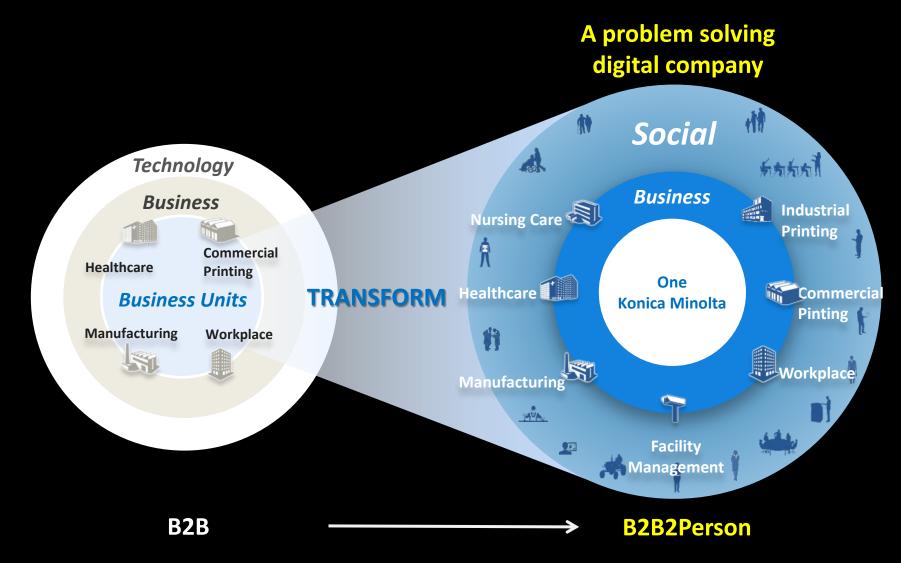


Envisioning an empowering future for people and society Creating new value for people and society

Technology that generates value Businesses that offer value

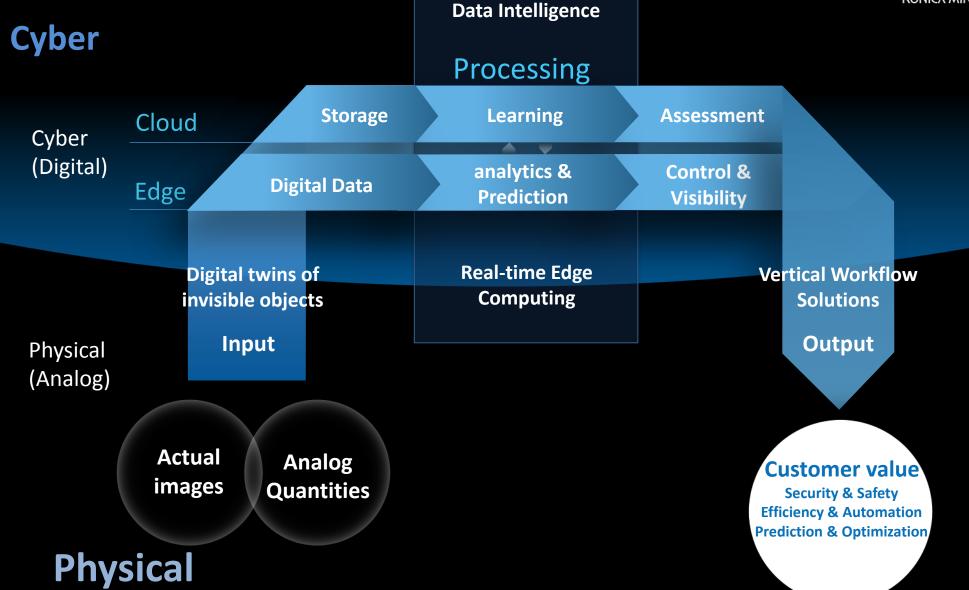
Social value & innovation





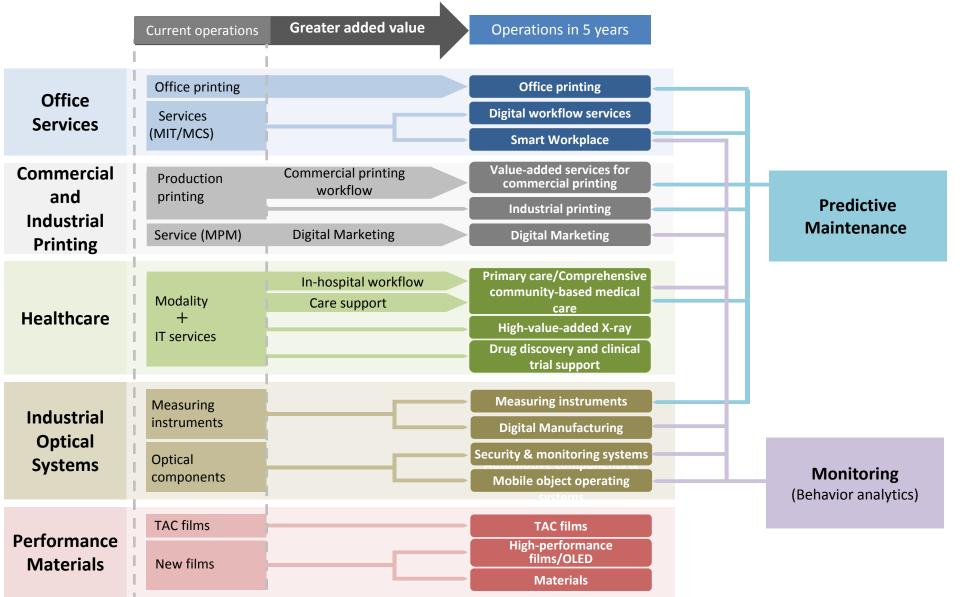
#### **KM – Cyber Physical Systems (CPS)**





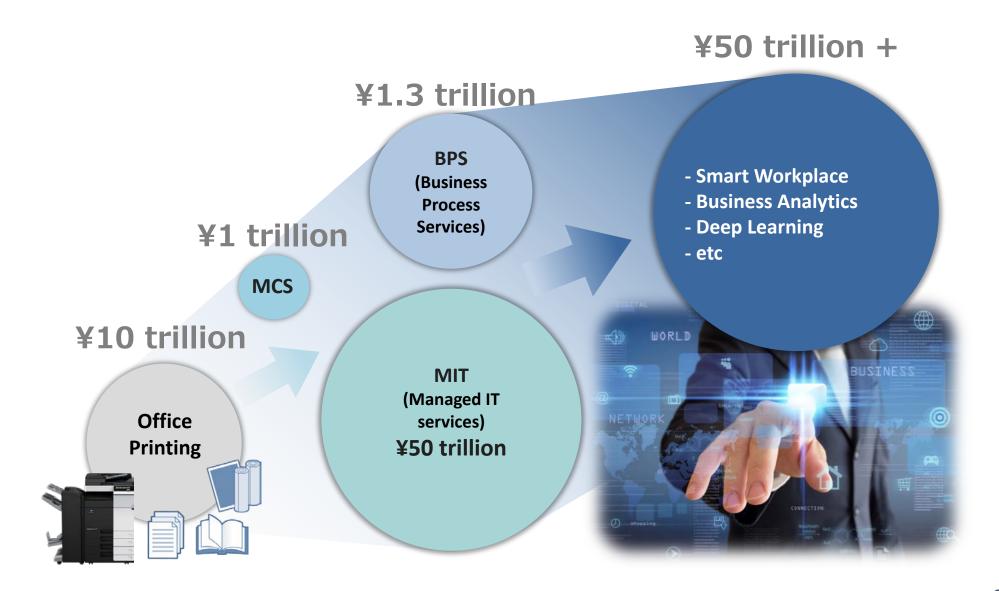
#### Initiatives with Value-Added Business (overview)





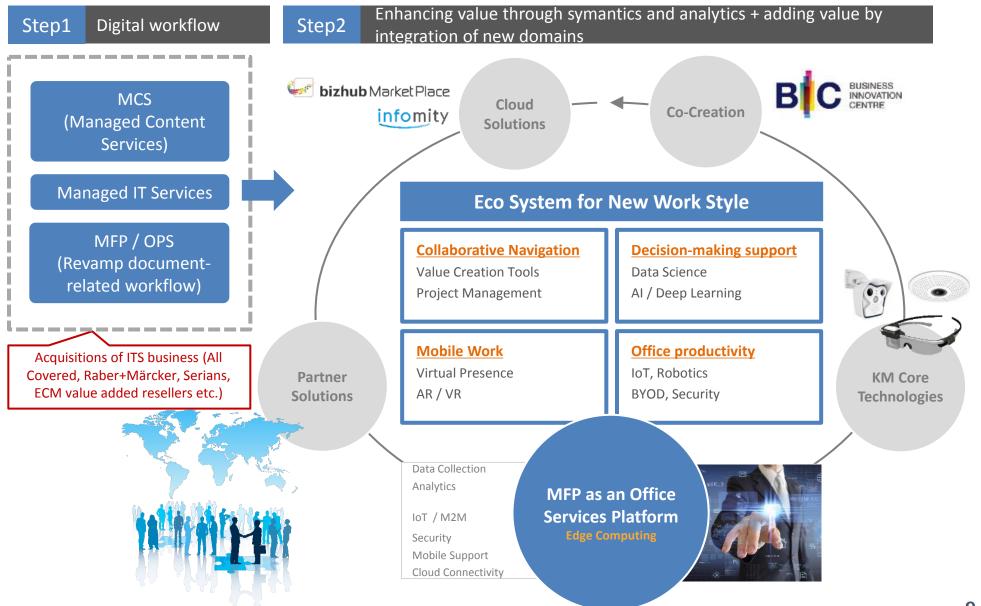
# Office Services -Smart Workplace-





#### **Office Services Strategy**





#### Smart Workplaces Realized By Cyber Physical Systems (CPS)



Cyber
Analytics for working styles
Analytics of in-company data
Information automation

Process
Digital Workflow
Output

- Structured & unstructured data in offices (incl. images)
- Movement of people
- Office environments



- Collaboration
- Secure communications infrastructure
- Remote job support
- Health management

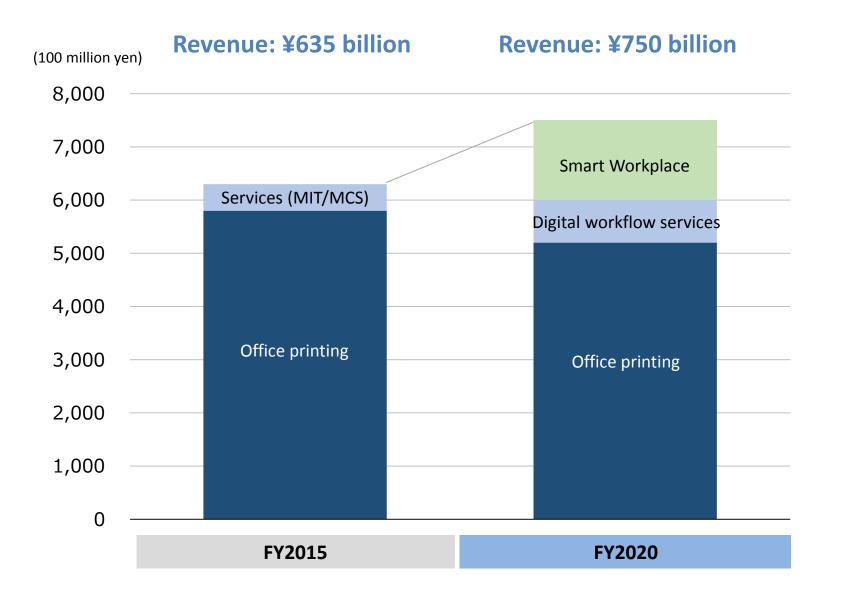
### Physical



### Value

- Business process automation
- Decision-making support
- New working styles 10

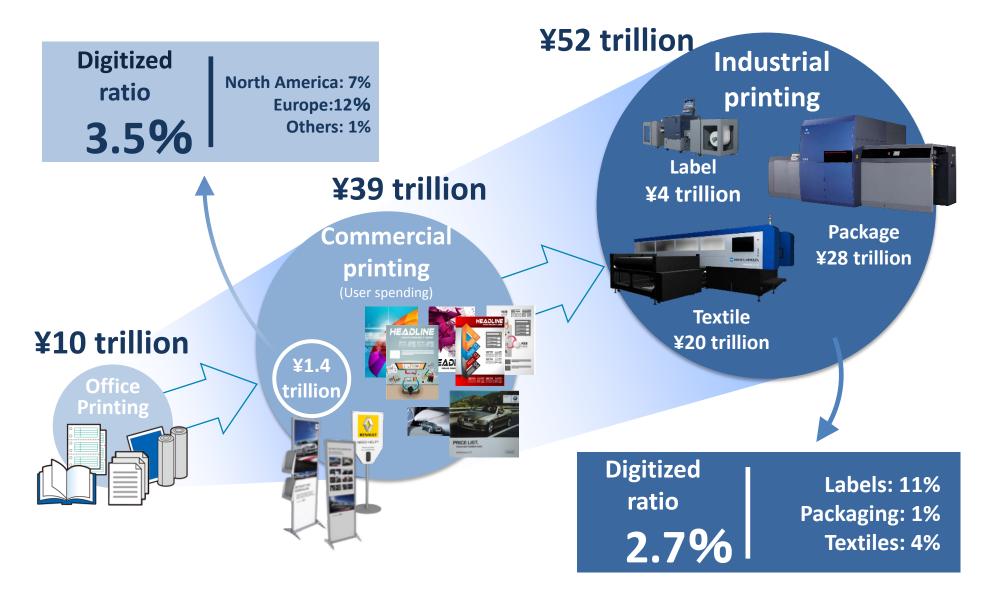




# **Commercial and Industrial Printing**

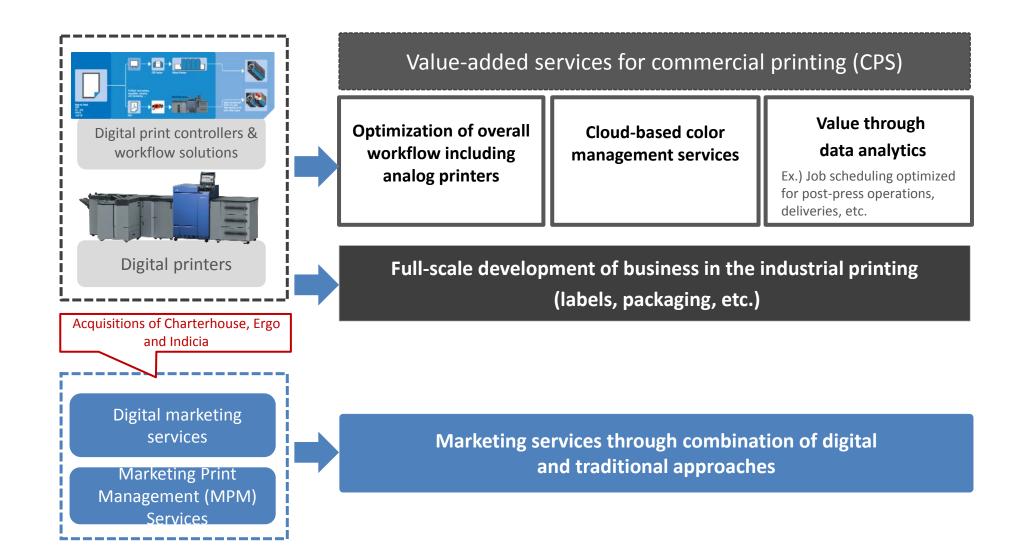






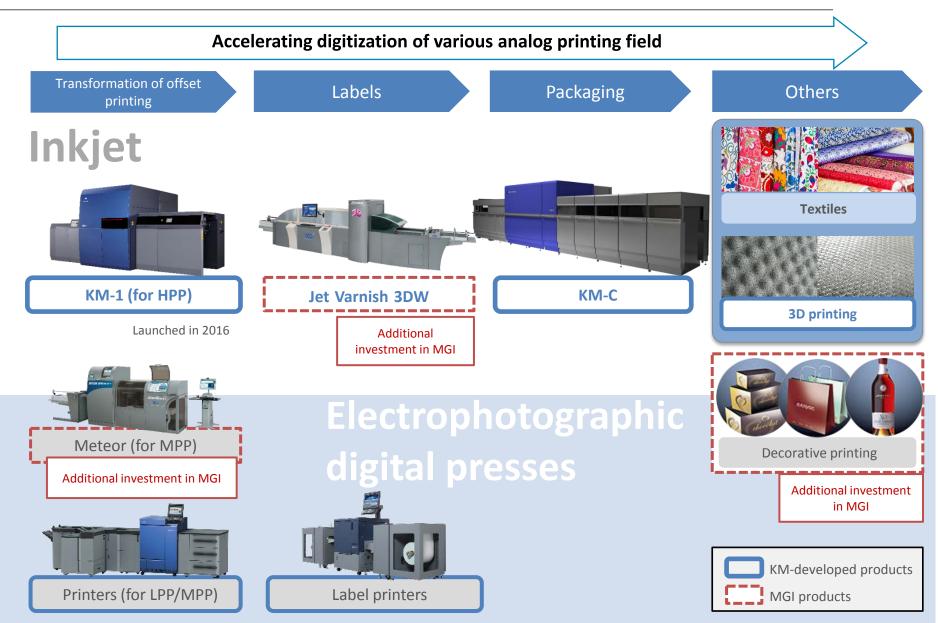
#### **Commercial and Industrial Printing Strategy**





#### **Industrial Printing Strategy**







#### Marketing procurement

Acquisitions of Charterhouse and Ergo

- Marketing print
- ► POS
- Direct mail
- Merchandise
- Packaging

#### Marketing production

Design

- Color management
- ► Multi-channel, cross-media solutions
- Digital asset management
- App development

- Marketing solutions

   Acquisition of Indicia and investment in Netyear Group

   Marketing planning

   Web marketing

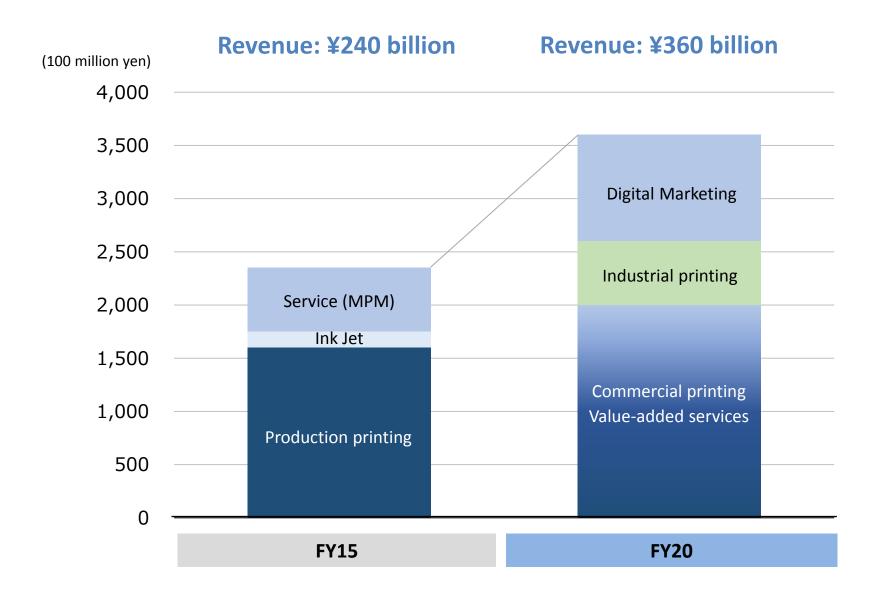
   Data management
  - Data analytics & segmentation
  - Marketing automation

► IoT



#### FY2020 Target – Commercial and Industrial Printing –



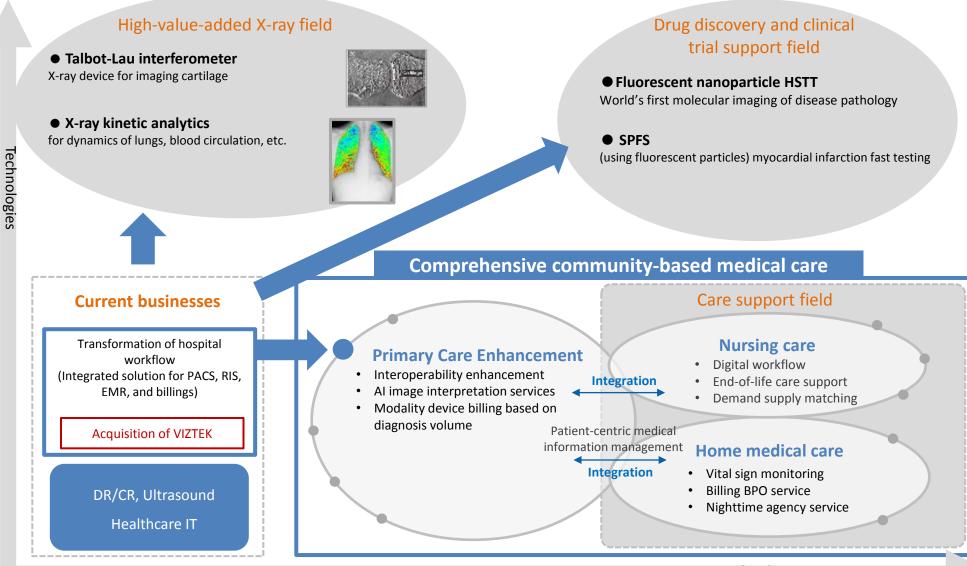


# Healthcare



#### Healthcare Strategy





Services

#### Primary care



#### Cyber

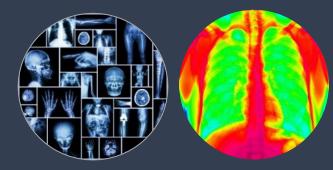
- Image interpretation and diagnoses using AI (automated)
- Visual depiction of workflow (hospitals, clinics, residences, nursing care)
- Image: Stress stres
  - Al image interpretation services and diagnostic support



### Value

- Integrated workflow transformation
- Patient-centric diagnostics
- Higher quality diagnosis
   and treatment

- Patient profile
  - Modality image data
  - Past diagnostic images and electronic medical records



### Physical

#### Care support field



#### Cyber

- Visual depiction of workflow (hospitals, clinics, residences, nursing care)
- analytics of management data (status of beds, patient turn-over, workforce, skill levels)

**Process** 

Business process automation (insurance claims)

#### Nursing care support

Input

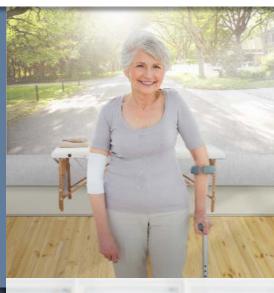
- Patient behavior (waking-up, getting out of bed, falling down, walking)
- Staff behavior (hours of providing care and whereabouts)
- Biometric data (respiration, body temperature, blood pressure)
- Smart sensors



Output

- Nursing care management support services
- Home medical care support services

### Physical

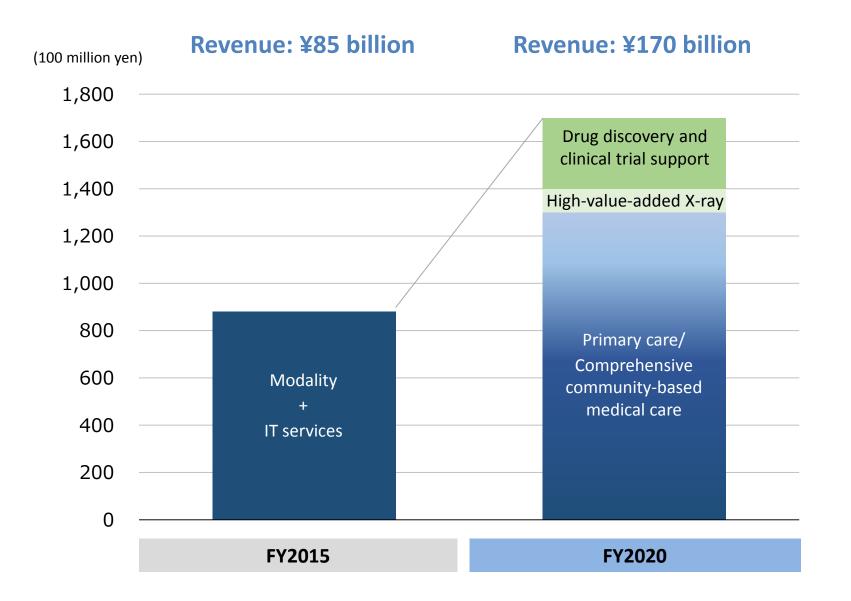




### Value

- Better quality nursing care services
- Facilitating home medical care



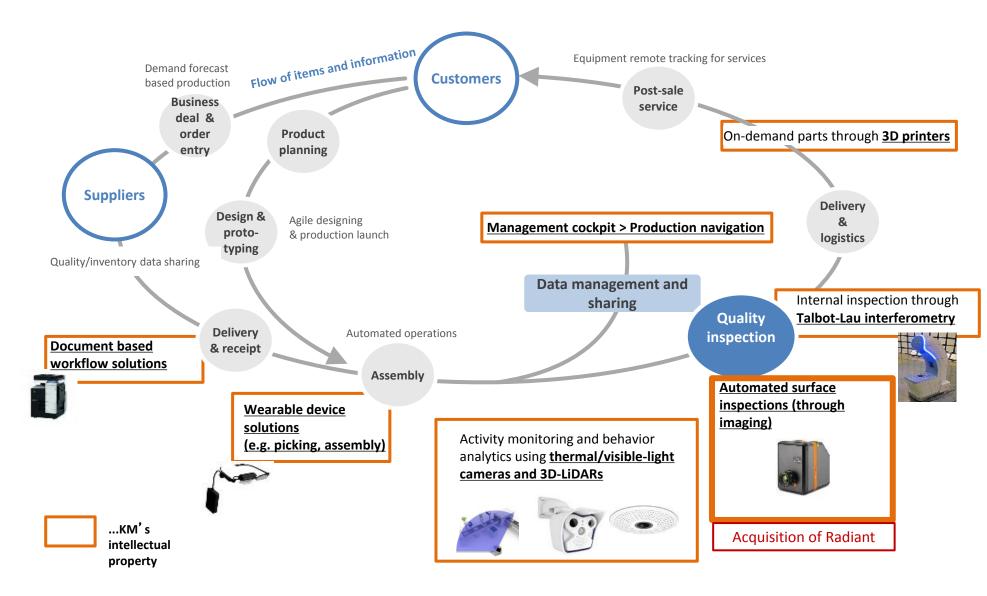


## Industrial Optical Systems



#### **Digital Manufacturing Business**

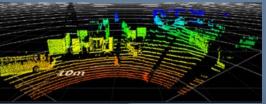




#### **Digital Manufacturing**



#### Cyber



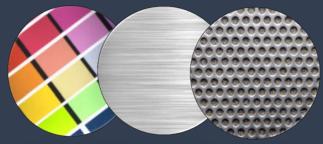
#### Analytics of quality defects and ways to avoid them

- Analytics & prognosis of operator behavior
- Forecasting of inventory & demands
- Smart sensor and device management

3D-LiDAR		Process		
Visual access to color and optical data				
Reliable color management	Input		Output	
Data sharing				

- External inspection devices, 3D-LiDAR, etc. •
- Data of other vendors' equipments, •

#### customers, and IoT



- Process control for preventing quality defects, process design, and product design
- SCM & service management • with suppliers and customers

### **Physical**



### Value

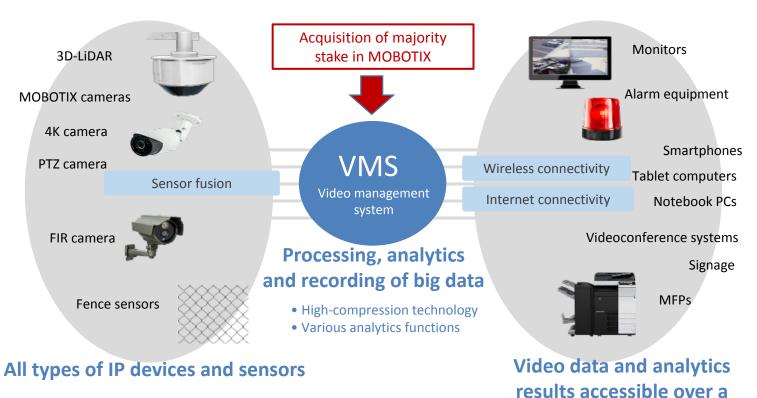
- Quality improvement ٠
- Minimizing loss expenses •
- Shorter lead-times •

# SECURITY

### Monitoring







#### Integrated Video/Data Platform

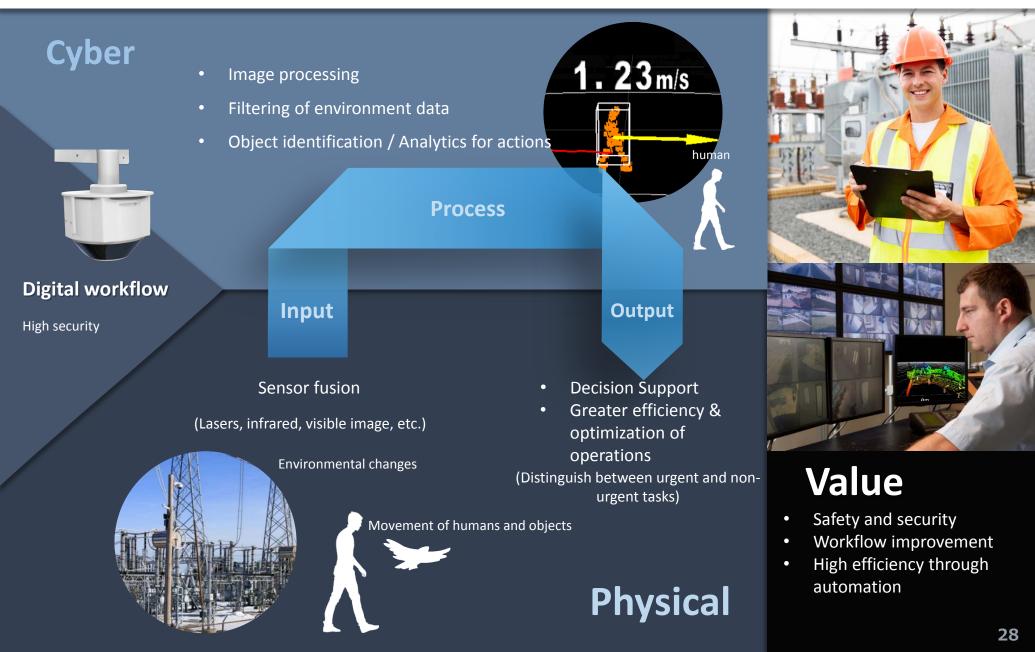
#### **Applicable vertical segments**

network from anywhere

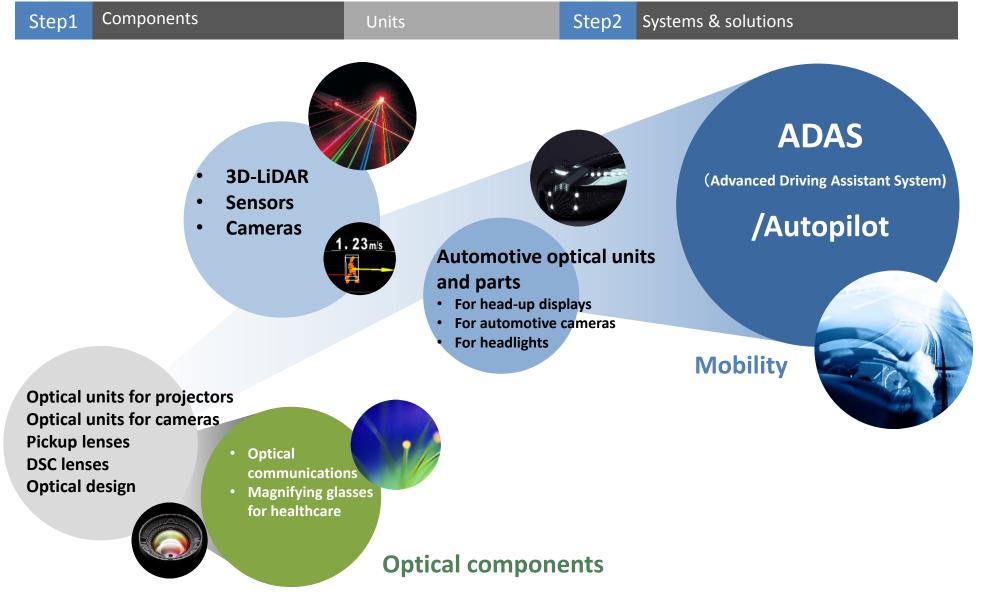
High-security & monitoring systems	Marketing	Workflow transformation in Manufacturing & Logistics	
Detection of gas leaks	hospital, nursing care and human services	ADAS	

#### **High-Security**



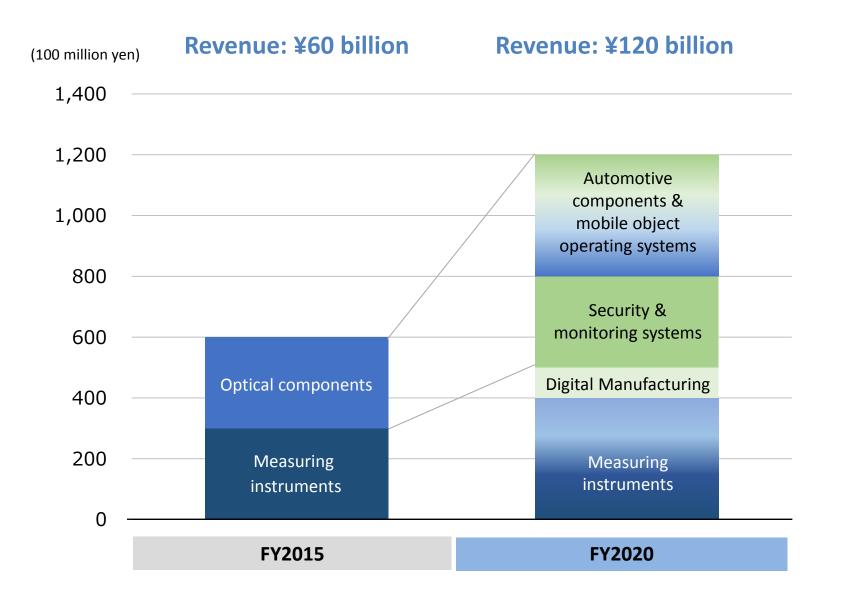




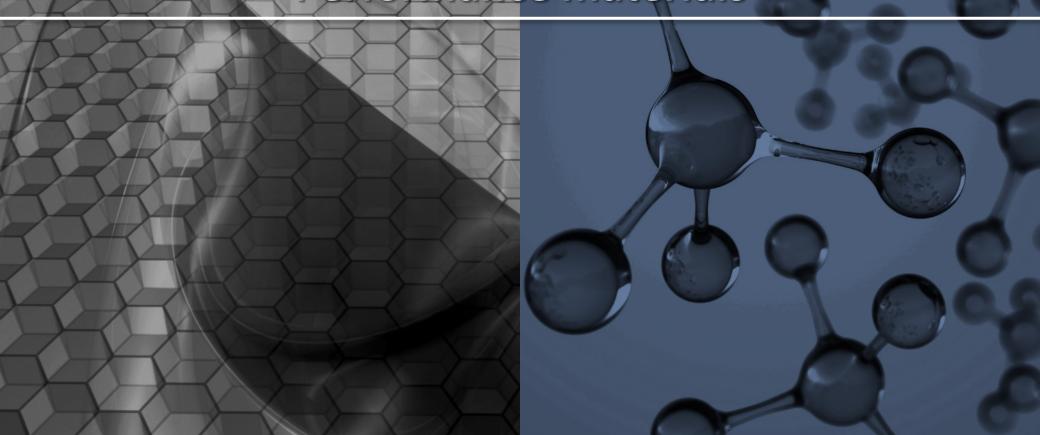




#### FY2020 Target – Industrial Optical Systems –



### **Performance materials**



#### High-Performance Films & OLED Lightings



#### High-performance films for the mobile & IoT field





Film for mobile devices while wearing polarized sunglasses Antireflective film for OLED displays



Flexible sensors

OLED + Sensor

Accelerate creation of a new market for OLED lighting

#### **Entry into Materials Businesses**

**Business assets** 

Electrophotography (toner)

Photographic films



Molecular design technologies Materials production technologies Microparticles forming technologies

#### Industrial field

3D printer materials Industrial printing inks





#### **Display** field

OLED materials Film additives

business

**Materials** 

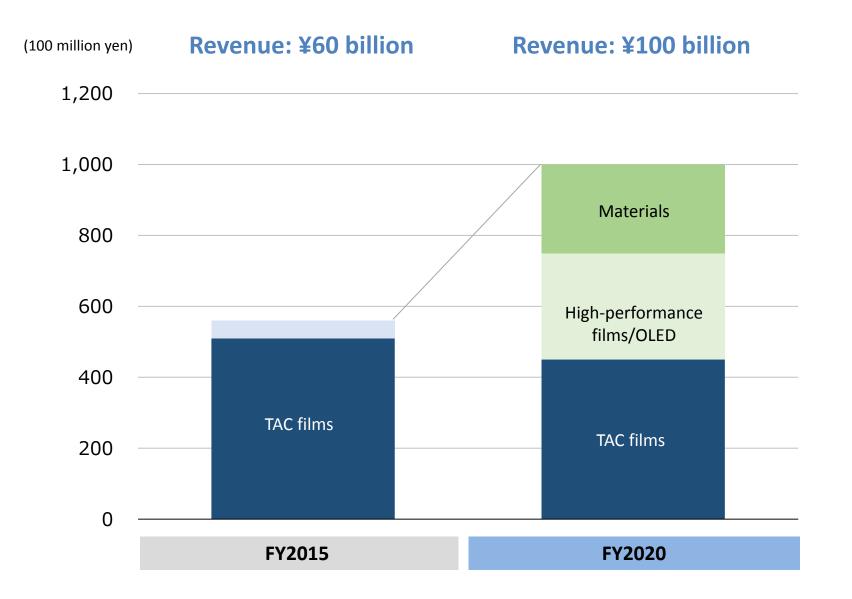
#### Healthcare field

Pharmaceutical intermediates Active pharmaceutical ingredients



#### FY2020 Target – Performance Materials –





# Predictive Maintenance



#### **Predictive Maintenance**



#### Step 1 Data collection

#### Step 2

#### Pre-emptive maintenance by data analytics and prediction

### Millions of printing devices operating worldwide



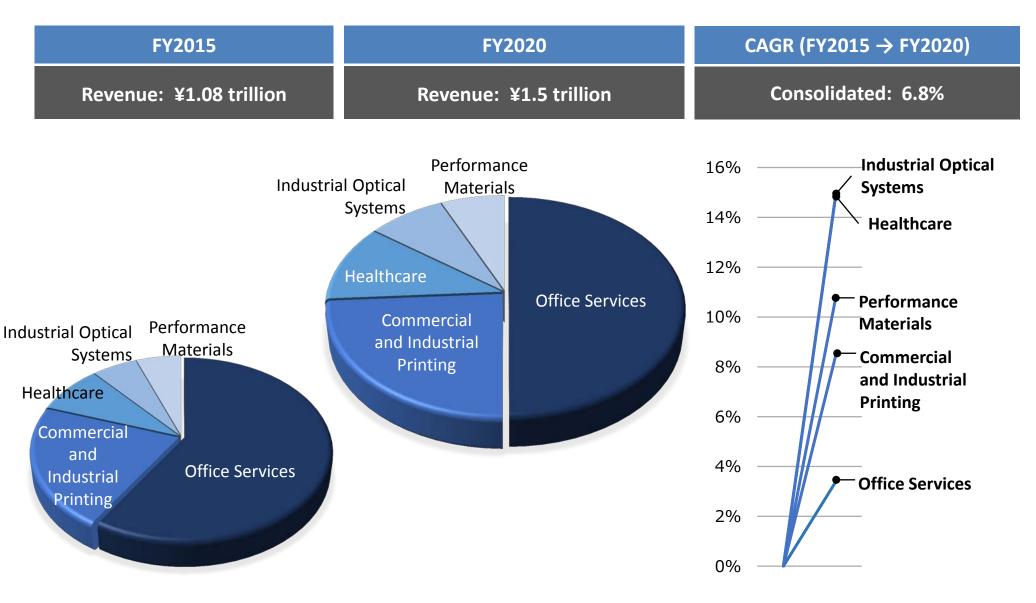
### Implement IoT capabilities encompassing data other than that from printers



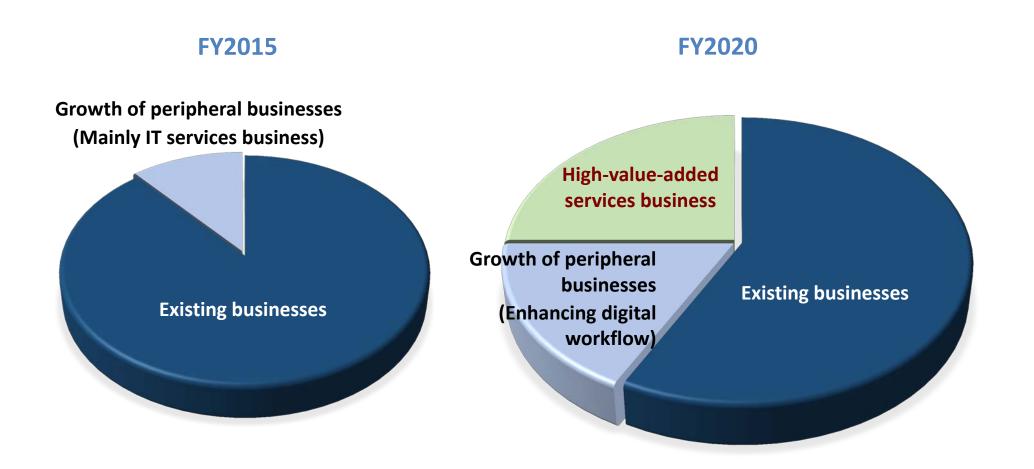
- Data on device operations
- Information relayed upon malfunction
- Meter readings
  - ► Automatic Toner delivery
  - Optimal resource management of field service technicians

- Data on operating environments (location, temperature, humidity)
- Data on operating history, seasonal variation and other devices
  - Maximize the operation of each devices by predicting device malfunction with AI (deep learning)
  - ► Determine future user needs







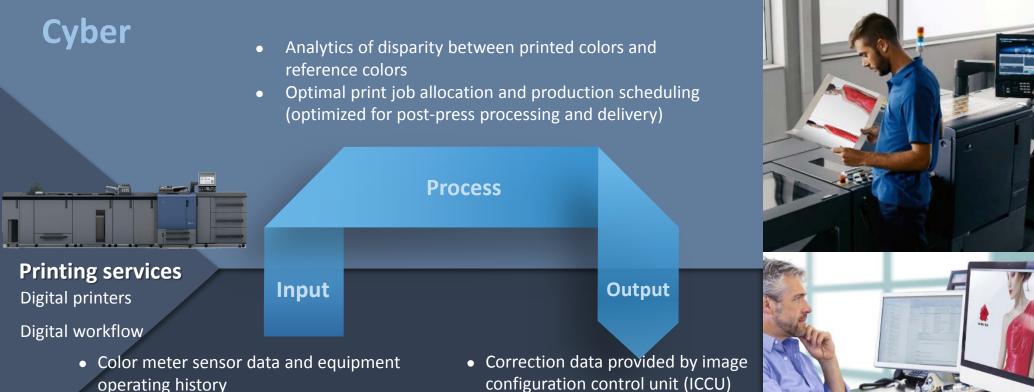


FY2020	Revenue	¥1.5 trillion
Target	Operating profit ratio	(8) - 10 %

# Appendix

#### Cloud services and information automation for Commercial Printers

(color management / equipment control / MIS solution-related)



• Order information, operating information for all printers, post-press devices, operating status, and delivery schedules



### configuration control unit (ICCU)

- Optimal control of printer operations
- Printer control data geared to developed production schedules

### physical

### Value

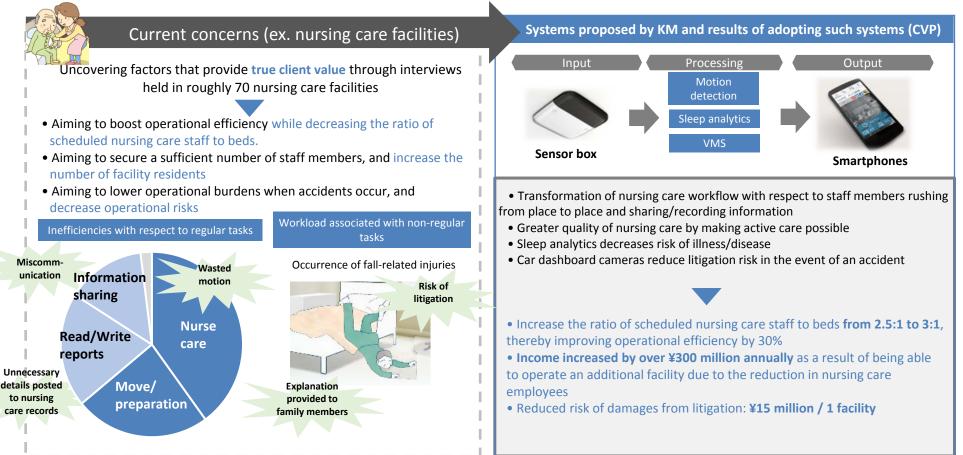
Higher productivity and greater quality consistency through automation



#### Care Support Overview (nursing care field)



We provide support for transforming nursing care workflows which involves analyzing the actions of nursing care staff members and making use of vital-sign data of the elderly population, amid the advent of the swiftly aging society coupled with a declining working-age population.



#### Why KM outranks the competition

KM succeeds because only KM is able to totally transform nursing care workflows as a result of making unprecedented active care possible. KM does this by providing computing services on the basis of on-site analysis which encompasses data on behavior/actions of elderly people from nursing care locations to the patient's back yard, their vital signs, healthcare records, and all forms of healthcare management information.

#### • Remarks:

Yen amounts are rounded to the nearest 100 million.

#### • Cautionary Statement:

The forecasts mentioned in this material are the results of estimations based on currently available information, and accordingly, contain risks and uncertainties. The actual results of business performance may sometimes differ from those forecasts due to various factors.

# Giving Shape to Ideas

