# **FY2021 Business Unit IR Meeting**

# SHIFT 2023 Growth Strategy

### Media & Digital Business Unit

December 2, 2021





		Inde	x
Contents			
Start 13:00 End 14:25	01	Overall Unit Vision / SHIFT 2023 Growth Strategy	P. <b>02</b>
	02	CATV Business	P. <b>09</b>
	03	5G-Related Business	P. <b>22</b>
	04	Ethiopia Telecommunications Business • Multifaceted Business Alliance with Vodafone	Р.31
	05	DX	P. <b>35</b>

• Sumitomo Corporation | Enriching lives and the world

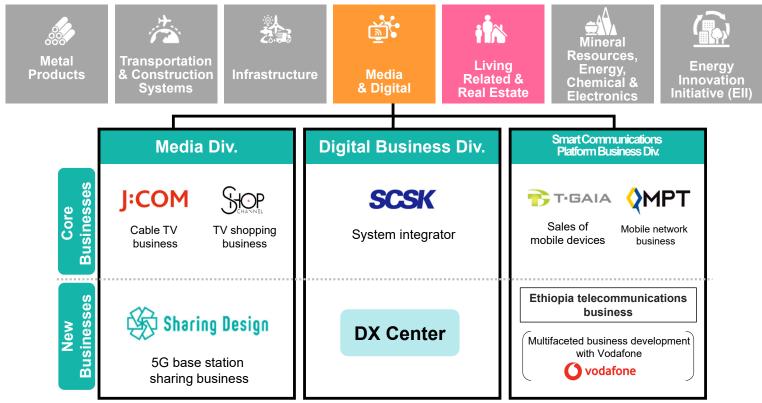
# 01 Overall Unit Vision / SHIFT 2023 Growth Strategy

Toshikazu Nambu, Chief Digital Officer, General Manager of Media & Digital Business Unit

Sumitomo Corporation | Enriching lives and the world

© 2021 Sumitomo Corporation

### 1. Organizations



Number of employees: 450 / Number of employees in the Group: 46,000

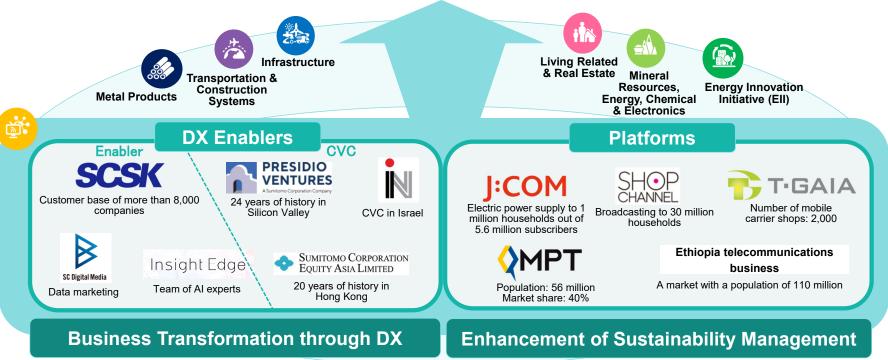
**Overall Unit Vision / SHIFT 2023 Growth Strategy** 

### 2. Unit Vision

# As a Digital Solution SOGO-SHOSHA, through the use of digital technology, create values with social impact and large scale businesses to solve social issues (SDGs, etc.) and make a smart society.



#### 3. Initiatives for Value Creation and Resolving Issues Expand Earning Base of Existing Businesses / Creation of New Value and New Business



Sumitomo Corporation

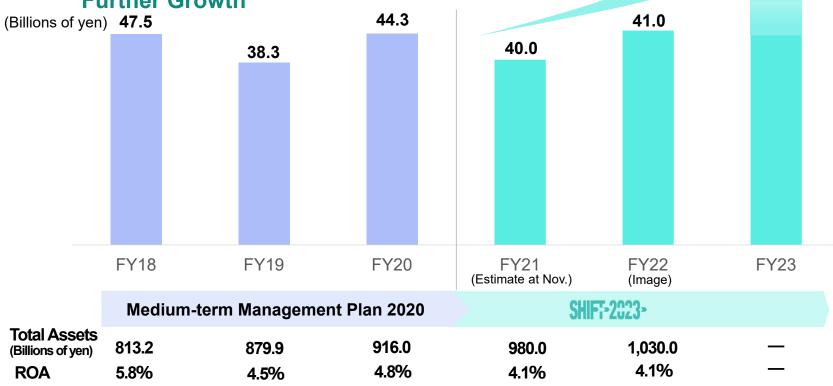
Enriching lives and the world

### 4. Strategy of Each Business Unit

reation	CATV Business (J:COM)	<ul> <li>Expansion of lifestyle-related services and shift to personalized services</li> <li>Expansion of service areas (from limited to J:COM service area to nationwide)</li> </ul>			
Value Creation	TV Shopping Business (SHOP)	<ul> <li>Development of new products (experiential consumption, subscription services)</li> <li>Attracting younger generations through live-streaming services</li> </ul>			
Steady Business Growth	O Digital Solution Business (SCSK/DX)	■Joint promotion and commercialization of DX at Sumitomo Corporation and SCSK ■Upgrading of DX			
	Overseas Telecommunications Business (Myanmar, Ethiopia)	<ul> <li>Myanmar: Respond to the effects of political change</li> <li>Multifaceted business collaboration with Vodafone:</li> <li>Ethiopia telecommunications business in preparation</li> </ul>			
	Mobile Business (T-GAIA)	■Respond to changes in the mobile devices distribution market (higher device prices, online stores, etc.)			
Seeding	5G-related Business	■Launch of 5G base-station-sharing business, nationwide expansion ■Local 5G: Development of 5G utilization services			
	Data Utilization Business	Expand functions of data marketing business that are also utilized for DX Nurture and strengthen the branding business			
🗢 Sum	Sumitomo Corporation   Enriching lives and the world				

**Overall Unit Vision / SHIFT 2023 Growth Strategy** 

### 5. Net Income Plan for the Unit Stable Earnings Despite COVID-19 Pandemic, for Further Growth



**Overall Unit Vision / SHIFT 2023 Growth Strategy** 

### 6. Advancement of Sustainability Management – Initiatives for Key Social Issues

Improvement of living standard	<ul> <li>CATV Business (J:COM) Expansion of lifestyle-related services, and launch of remote medical services</li> <li>5G-related Business Early expansion of 5G communication infrastructure (base station sharing business)</li> </ul>
Development of local societies and economies	<b>Overseas Telecommunications Business</b> (Myanmar, Ethiopia) Development of telecommunications network as social and economic infrastructures in developing countries
Mitigation of climate change	Digital Solution Business (SCSK/DX)         Improvement of energy use efficiency (data centers, etc.)         Mobile Business (T-GAIA)         Solar power generation at docomo Shops



Kazumasa Watanabe, General Manager of Media Div.

• Sumitomo Corporation | Enriching lives and the world

© 2021 Sumitomo Corporation

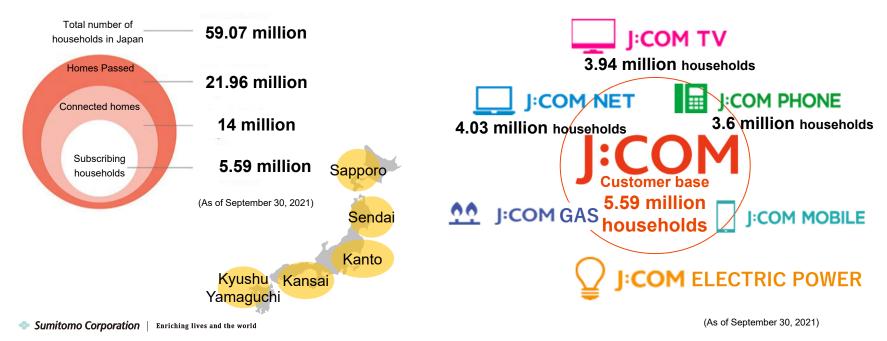
### **Business Overview**

#### **Service Areas**

Serving approximately 5.59 million households at 66 stations nationwide, mainly in major cities

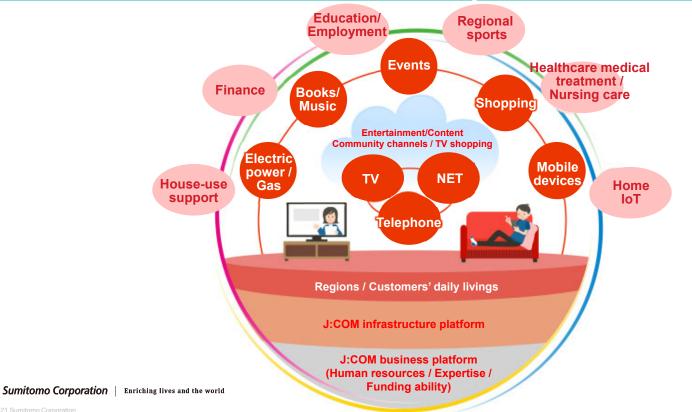
#### Main Services / Number of Subscribers

In addition to TV, Internet, and landline services, the company provides lifestyle-related services.



#### Vision

#### Vision of "J:COM Everywhere"



¢

### Features and Strengths

#### Providing Reliable and Secure Services as a Community-Based "Face-to-Face provider"

Approx. 2,700 employees nationwide J:COM sales vehicle explanation of services to customers **Service Engineer J:COM Shop** 1 20-12 F

**Door-to-door Sales** 

**Approx. 4,100** engineers nationwide Technical support at customers' homes



Consultation desk

#### **Customer Service Center**



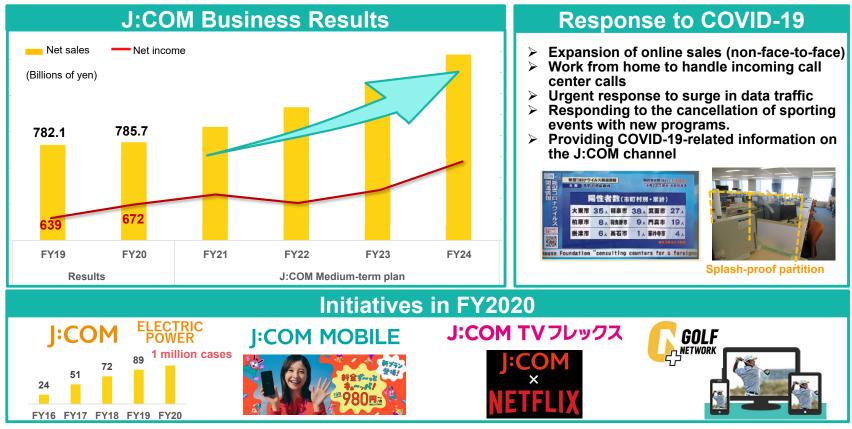
#### Extensive customer support

**Community Channel** 

Available to 14 million households Broadcast local and government information

12

### FY2020 Initiatives



### Service Expansion and Out-of-Area Deployment

Increasing share in household consumption Expansion of eligible households expenditure (outside the area) 22 million households in J:COM area 59 million households nationwide  $(\mathbf{1})$ (1)+(2)Lifestyle-related Service (1+2)(1)+(2)expansion J:COM area Provision to (2) locations outside the Healthcare Education **J:COM TV J:COM NET** Insurances area services services I:COM MOBILE I:COM PHONE MaaS Shopping Local **Outside the** I:COMGAS J:COMELECTRI services services energy area

Sumitomo Corporation | Enriching lives and the world

(1)

### **Electric Power Service**



> Strong community-based sales development

J:COM

# J:COM ELECTRIC POWER



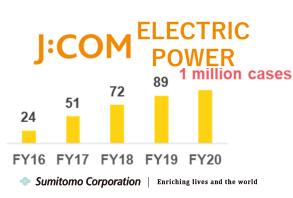
Summit Energy

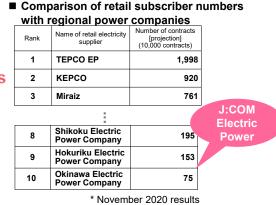
Owns power plants in five locations nationwide

(gas / renewable energy, etc.)

> Providing electricity to 2,100 locations nationwide

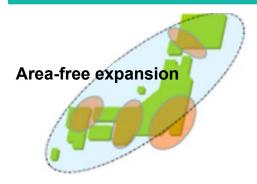
#### **Current Status**





#### **Future Development**

(SC:100%)

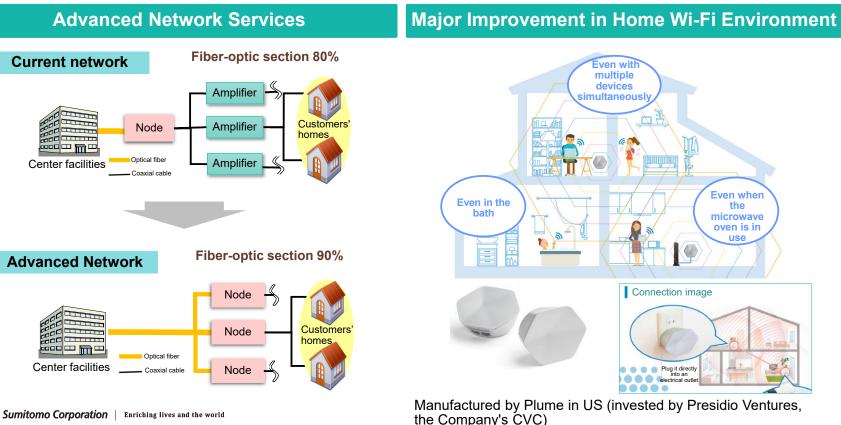


© 2021 Sumitomo Corporation

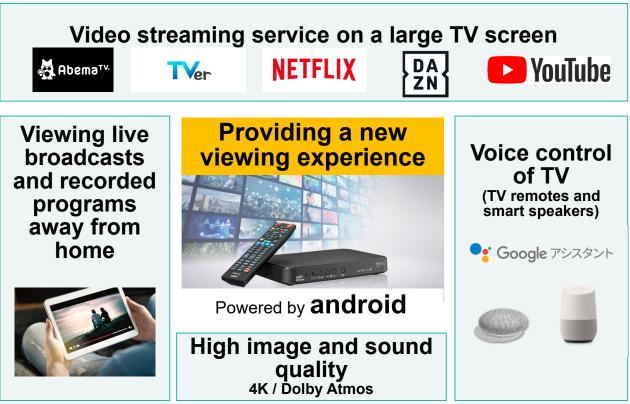
### **Expansion of Living Support Services**



### **Advanced Networks and Faster Internet Services**

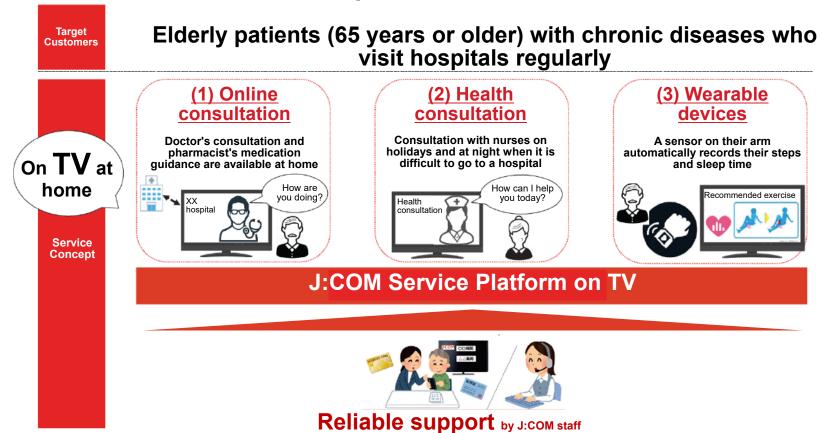


### **J:COM New TV Service**

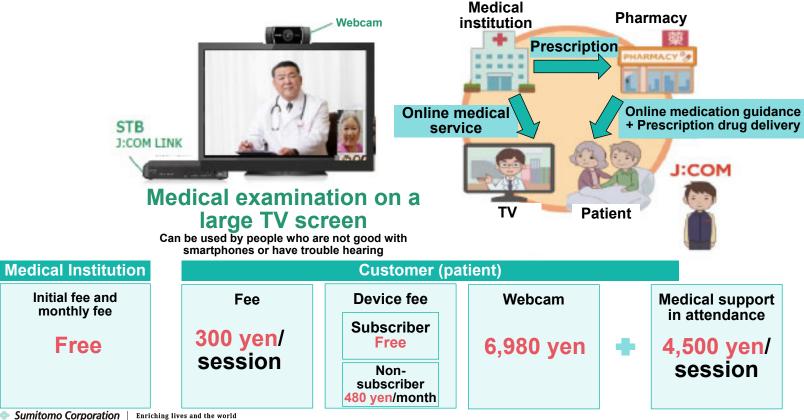


Sumitomo Corporation | Enriching lives and the world

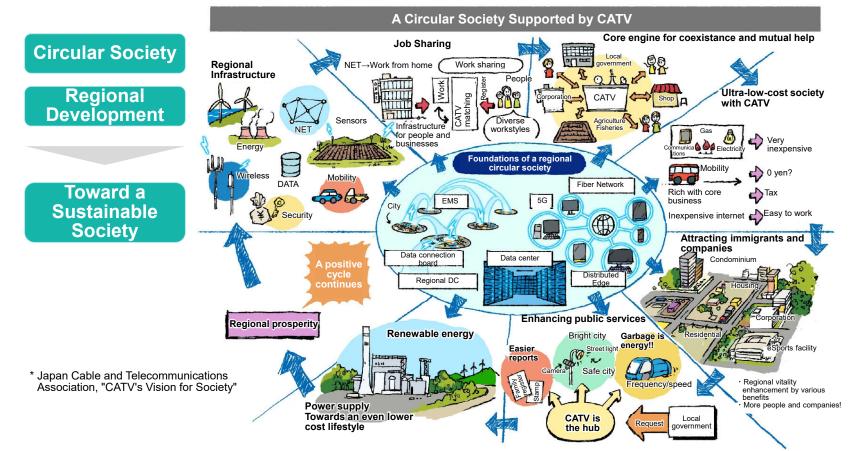
### **Health Care Service Concept**



### **Online Medical Services**



### Cable TV Industry's Vision for Society (Leap Forward to 2030)





Kazumasa Watanabe, General Manager of Media Div.

Sumitomo Corporation | Enriching lives and the world

© 2021 Sumitomo Corporation

### The Ideal 5G World

Communication is from "person to person" to "person to thing" and "thing to thing"

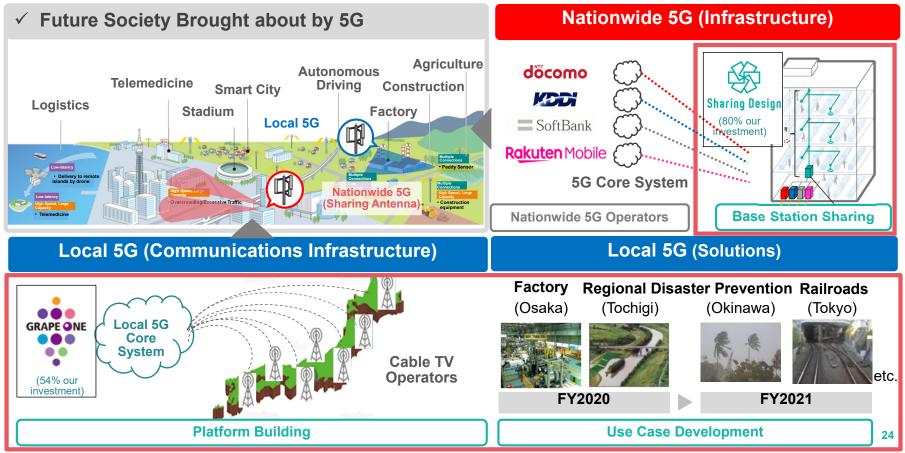
### High Speed, Large Capacity

Download a two-hour long video in three seconds (100x faster than 4G)



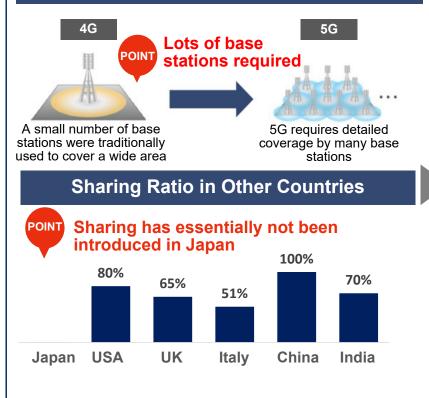
Our business scope

### Challenge Domains, Seeding Areas for 5G-Related Business



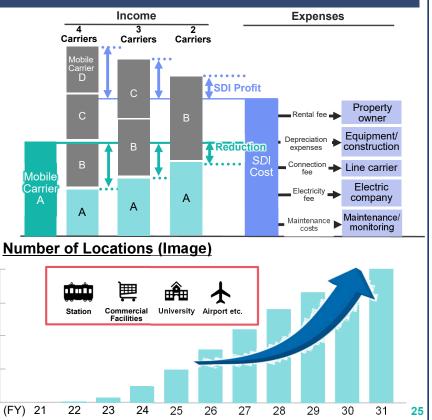
#### **5G Base Station Sharing Business**

#### Expanded Need for Base Stations for 5G



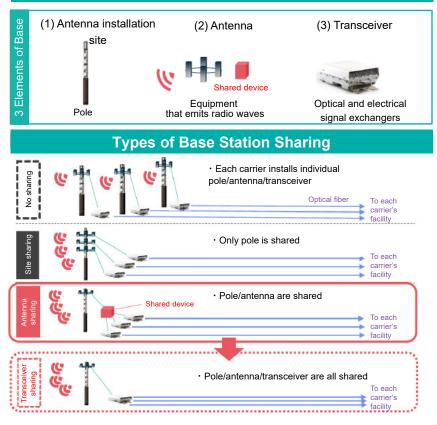
Reference: Mizuho Bank, Industry Research Division, Mizuho Industry Focus Vol. 216, "Toward the Expansion of Mobile Infrastructure Sharing in the 5G Era" (2019)

#### **Base Station Sharing Business Model**



### **Base Station Sharing – Image**

#### **Base Station Configurations**

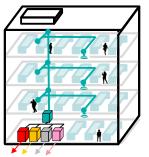


#### [Indoor] Installation Image

<Sharing>

#### <Shared Antenna> <Sh

<Shared device>









To each mobile carrier's facility

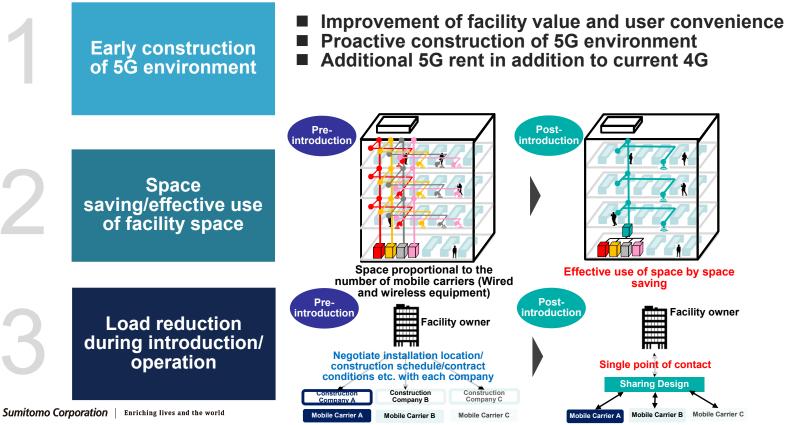


#### [Outdoor] Installation Image



Smart Pole (Nishi Shinjuku, Tokyo)

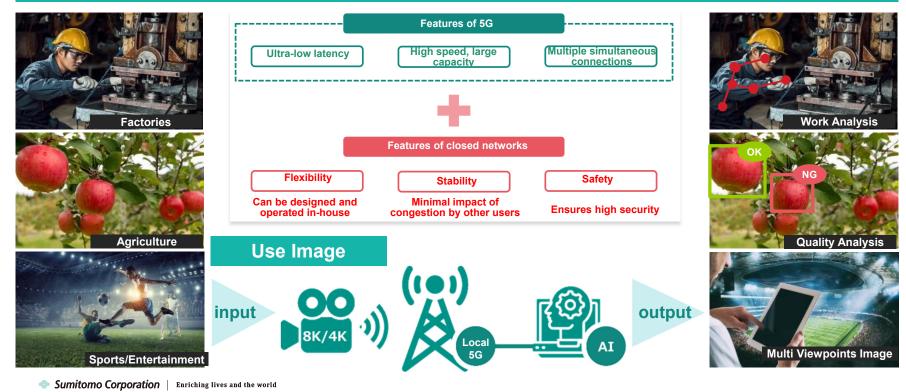
### **Base Station Sharing – Introduction Merits**



(Reference Material)

### **Examples of Local 5G Usage**

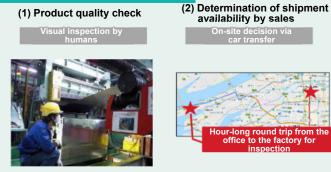
#### High Capacity x Local 5G x Al Analysis



© 2021 Sumitomo Corporation

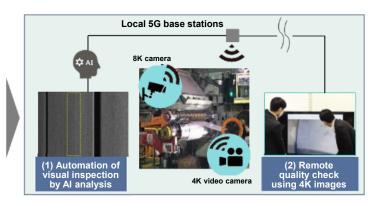
### Trial-Examples

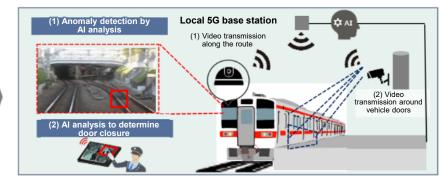
#### **DX in Factories**



signaling duties

#### Local 5G Demonstration at Railroad Station







Sumitomo Corporation Enriching lives and the world

¢

### **Trial – Examples**

#### Ship maneuvering support and Safety Management in the Port

Ship maneuvering (berthing, etc.)



#### Port/harbor monitoring

Conventional monitoring methods





#### **Emergency Restoration of Cable TV infrastructure**

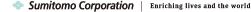






# Ethiopia Telecommunications Business – Multifaceted Business Alliance with Vodafone

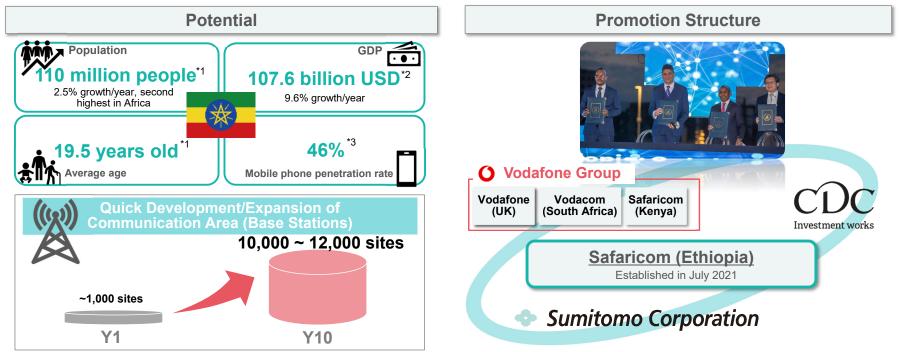
Katsuya Kashiki, General Manager of Smart Communications Platform Business Div.



© 2021 Sumitomo Corporation

### **Ethiopia Telecommunications Business – Overview**

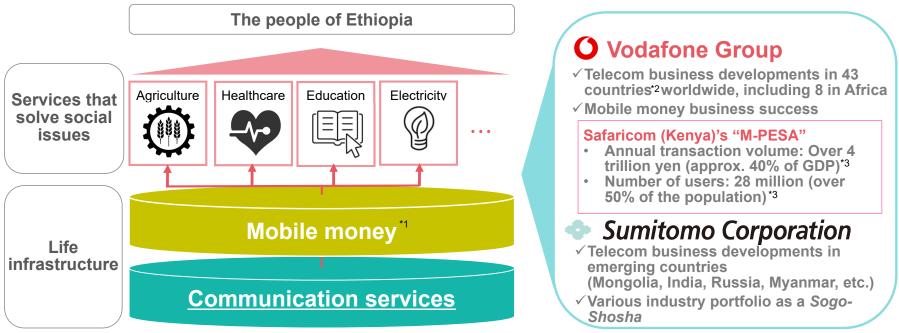
Entered the Ethiopia Telecommunications Business with Vodafone Group (UK).



\*1 Source: UN database \*2 Source: World Bank database \*3 Independently estimated based on figures published by Ethio telecom, Ethiopia's only telecom operator (state-owned company), and UN database (as of October 2021)

### Toward a Sustainable Business Foundation

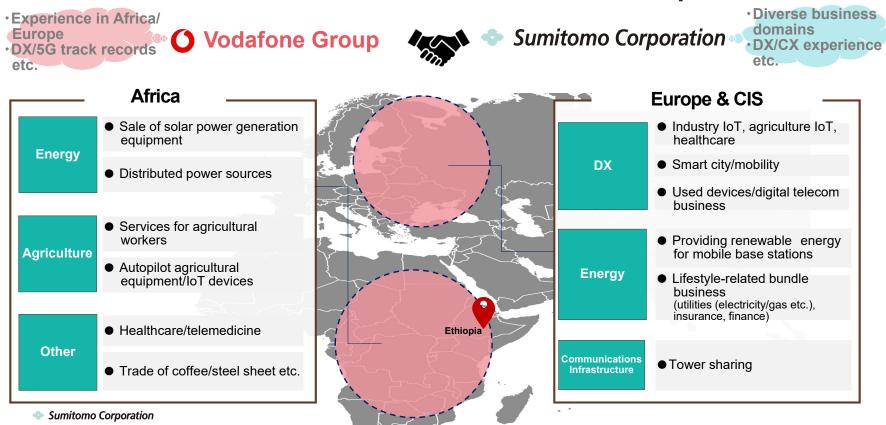
Developing services that solve social issues based on the telecommunications business. Becoming an essential presence for the people.



\*1 Mobile wallet that doesn't require opening a bank account. Payment, domestic and international remittance, etc. are possible. \*2 Including countries where service is available through partnerships. Vodafone Group alone operates in 24

countries, \*3 Source: FY2021 Safaricom Annual Report. Sumitomo Corporation | Enriching lives and the world

### **Multifaceted Business Alliance with Vodafone Group**





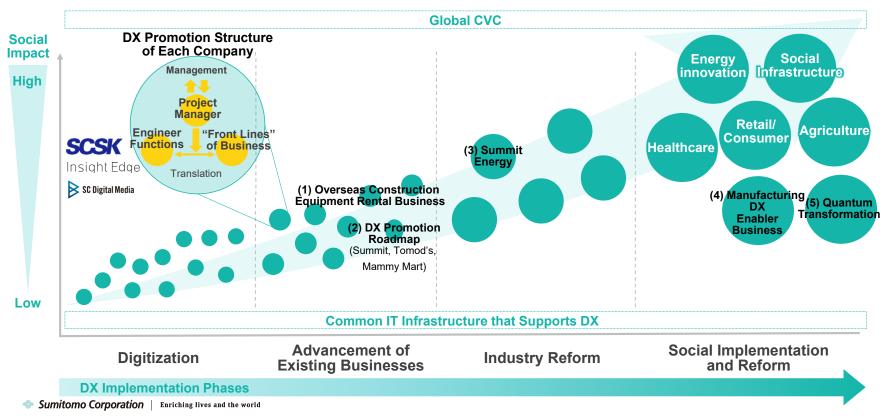
# DX

Bin Haga, General Manager of Digital Business Div.

• Sumitomo Corporation | Enriching lives and the world

© 2021 Sumitomo Corporation

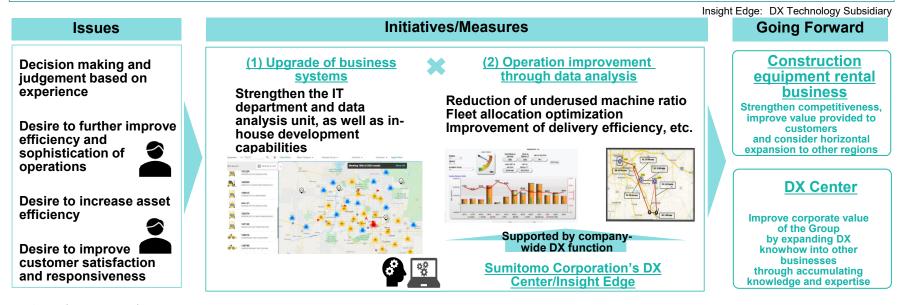
# **DX Implementation Phases & Examples of Initiatives**



DX

### (1) Overseas Construction Equipment Rental Business Enhancement of Operations through Insourcing

- Advancement of existing businesses at overseas operating companies where in-house DX is in progress
- Continued promotion of (1)business system development and (2)data analysis insourcing. Some of the projects are being worked on collaboratively with the DX Center/Insight Edge.
- Accumulate the knowledge and expertise to resolve issues at the SC head office, and aim for horizontal expansion to the construction equipment rental business in other regions as well as the application to other divisional businesses.



Sumitomo Corporation | Enriching lives and the world

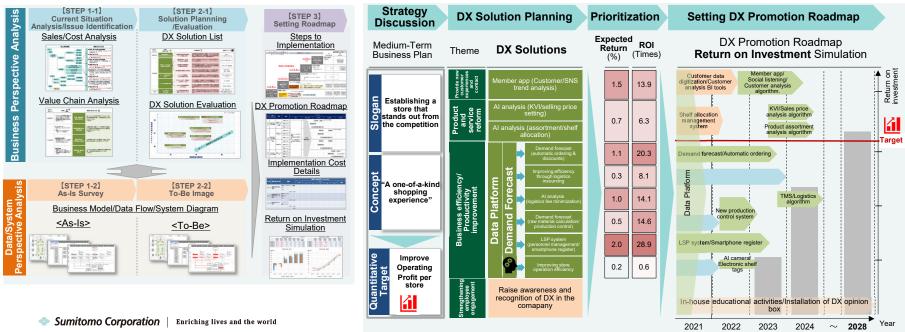
# (2) DX Promotion Roadmap for Mammy Mart

■ Business analysis from the perspectives of both business and data → DX promotion roadmap to increase sales and reduce costs

<Results Summary>

Turning of front-line issues into managerial issues by project managers of DX Center under the leadership of operating company's management

#### <Process>



### (3) Summit Energy Business Advancement and **ESG Management Initiatives through the Use of Data**

Improving the accuracy of electricity price forecasts as basic infrastructure in the electricity retail business Initiatives for ESG management using data analysis capabilities





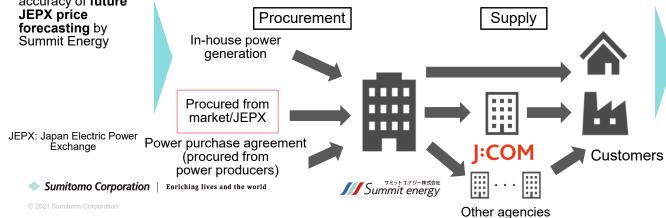
#### **Traditional Issues**





**Current Initiatives** 

Insight Edge supports Summit Energy's forecasting team. Improving accuracy by upgrading the forecasting model.



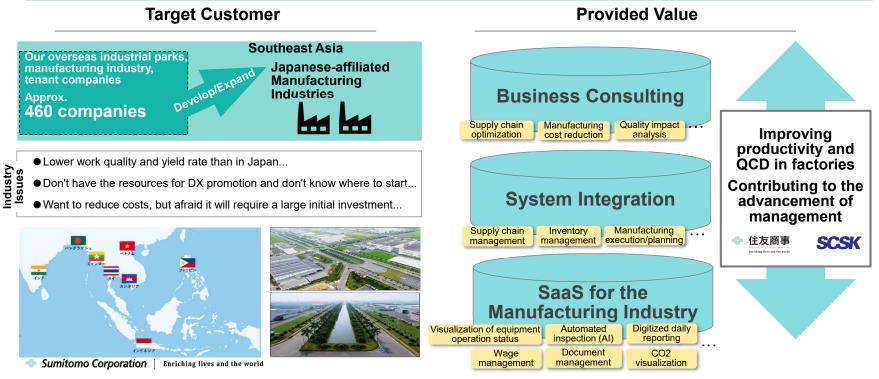
#### **Initiatives Going Forward**

Shift to clean energy (ESG management)

- $\Rightarrow$  Achieve a stable energy supply through the use of various DX technologies, even if the ratio of renewable energy sources with unstable output, such as solar and wind, is increased
  - Proposals to improve usage efficiency, such as demand response
- Electricity service based on renewable energy generation forecasts
- Green certification menu using blockchain. etc.

# (4) New Business: Digital Solution Provider for the Manufacturing Industry

Leveraging the strength of the Group's business platform (overseas industrial parks x SCSK) and providing integrated digital services throughout Asia.



# (5) Quantum Transformation (QX) Project



Across the globe, from underground to outer space. Changing the society with the power of quantum.

Example of new business creation "Quantum Sky Project"



Sumitomo Corporation Enriching lives and the world



QX x Sustainable City Initiative (North Hanoi)



OneSky\* 住友莔事 Enriching lives and the world Integration into applications Integration into air mobility and air mobility control systems control system

Development of optimal route selection algorithm and quantum annealing technology

\* OneSky Systems, Inc. (Headquarters: Pennsylvania, U.S.A.): Developer of unmanned aircraft control systems; SC invested in April 2020.





Official YouTube channel for Quantum Transformation

# **DX** Implementation Phases

