

14:17~14:30 (13 Minutes)

# Developments to Date and Future Plans at Dynamic Map Platform

**Dynamic Map Platform Co., Ltd.** 



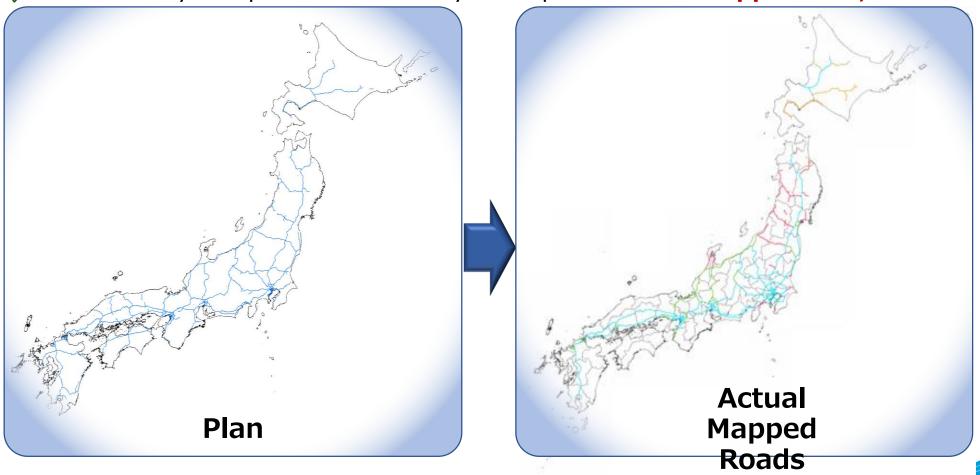
# **Status of Mapping by Dynamic Map Platform**

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#### Currently mapping domestic highways and motorways

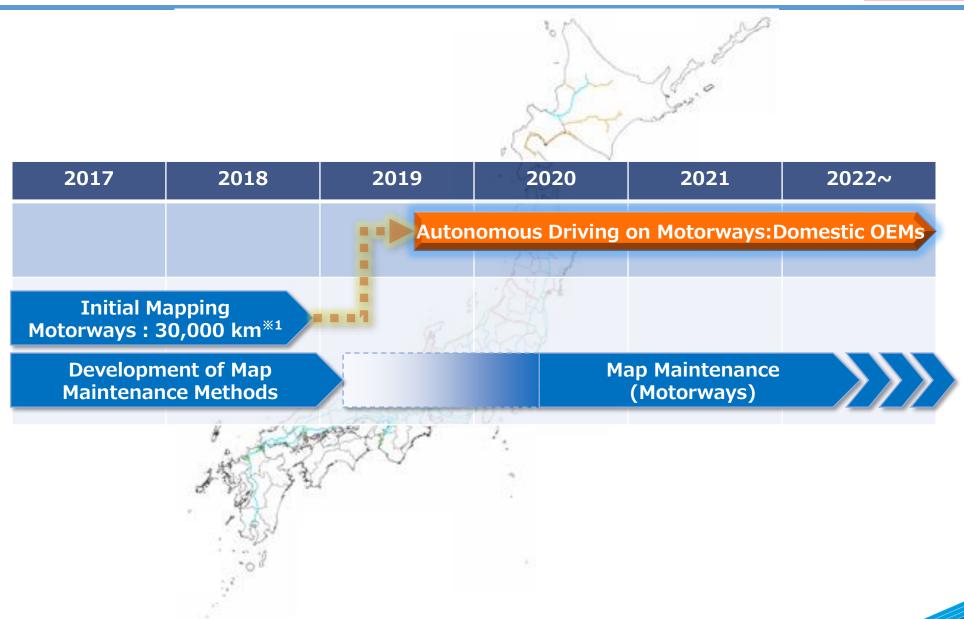
✓ Planned to complete mapping of total highway/motorway network of approx. 30,000km within FY2018

Has already completed the delivery of maps of a total of approx. 22,000km



### **Timeline**

DMP-T17-0151





# **Developing Sustainable Map Maintenance Methods**

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High Quality: Linkage of road construction data to high definition map (lane level)

> Sustainability: Mutual leveraging of high precision 3D map data

#### Present

Leveraging point cloud data etc. through partnerships with road management and logistics companies



Point cloud data etc.



#### Future (Present + a)

Leveraging various policies, advanced technologies and IoT product/services







Various data

Point cloud data etc.

Basic Act on the Advancement of Public and Private Sector Data Utilization



**Maintenance of High Definition 3D Map Data** 



#### **Connected Industries**

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#### **Automated Driving and Mobility Service**

- Identifying approaches for data harmonization
- Enhancing AI and related human resource development
- Establishing future vision of mobility service concerning logistics and EVs

#### **Manufacturing and Robotics**

- International standardization of data rules including formats
- Enhancing inter-company collaboration in harmonized fields (e.g., cyber security and human resource development)
- Environmental improvement for the IoT introduction for SMEs, e.g., IoT tool

#### Plant/Infrastructure Safety Management

- Improving technological capability for safety through utilizing
- IoT Developing guidelines and other common rules for harmonizing data across companies
- Promoting further reform of regulation systems

#### **Biotechnologies and Materials**

- Achieving joint utilization of data across companies in harmonized fields
- Establishing an AI technology platform for commercialization
- Obtaining public acceptance

#### Smart Life

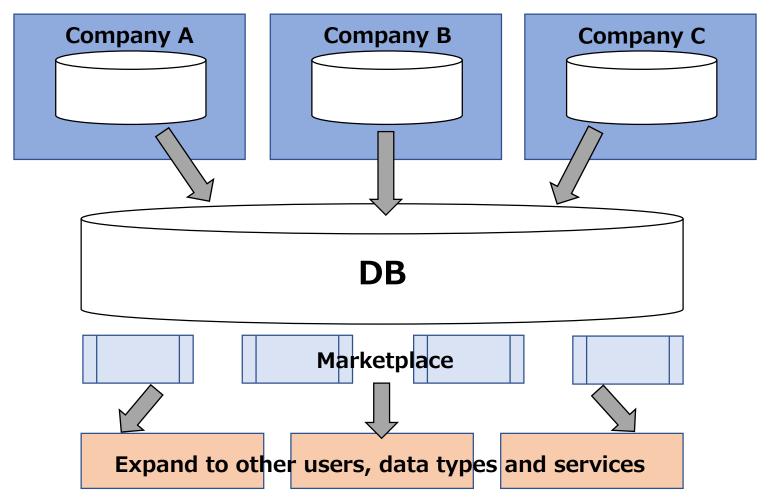
- Discovering potential needs and materializing possible services
- Data collaboration through intercompany alliances
- Developing other rules for further data utilization

# **Sharing of Industrial Data**

DMP-T17-0151

Providing solutions for technology innovation, improved productivity, and inheritance of technology by connecting and leveraging data, and matching various businesses together

Original data meeting the requirements set by each company to be shared



# **Sharing of Industrial Data**

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Road Management Companies
3D Base Data
Construction Data

Municipalities
3D Base Data
Road Management Data

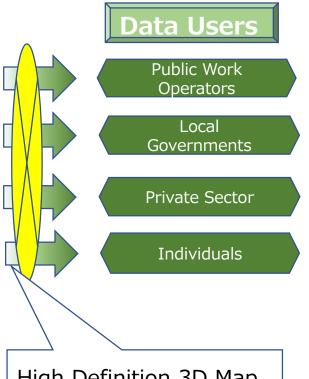
Foundations etc.

3D Base Data
Road Management Data

Private Companies
3D Base Data
Road Management Data

3D Base Data Road Management Data Construction Data





High Definition 3D Map Data (Vector Data) 3D Point Cloud Data

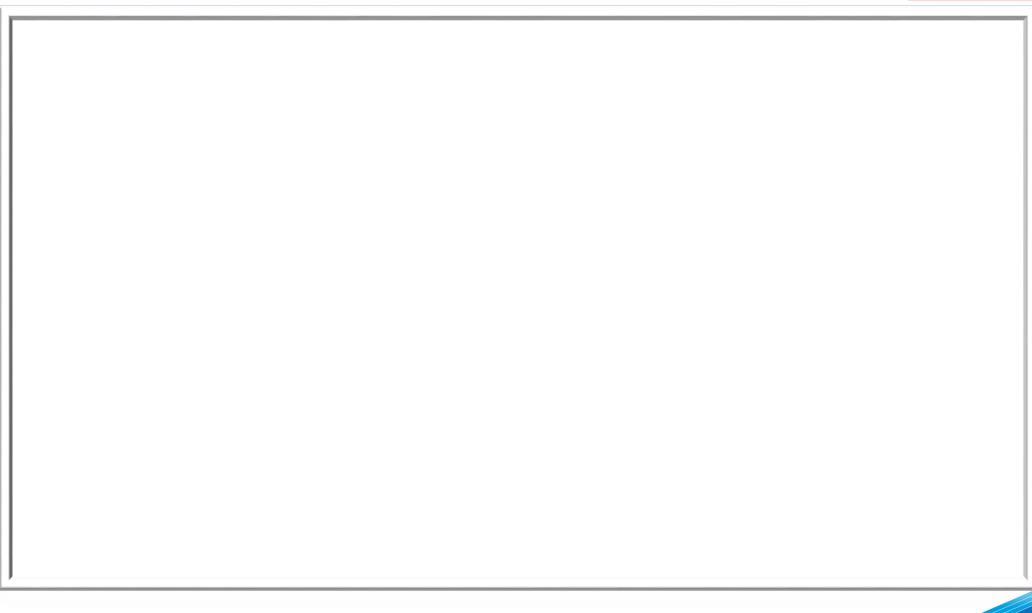


# **Company Introduction Video**

3 Minutes

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#### **DMP's Vision**

DMP-T17-0151

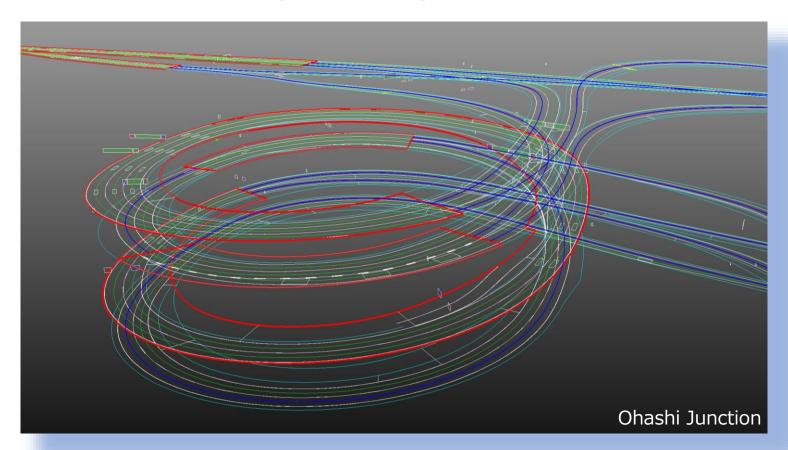
# **Dynamic Map Platform's Mid-Long Term Vision**

Creating a common foundation of 3D location data that contributes to "Society5.0%"



- \*Society5.0 Excerpt from "The 5th Science and Technology Basic Plan" (Published by cabinet on Jan 22<sup>nd</sup>, 2016) -
- •Through an initiative merging the physical space (real world) and cyberspace by leveraging ICT to its fullest, sharing the vision of a future society of a "super smart society" that will bring wealth to the people, and achieving the world's first "super smart society" by deepening a variety of initiatives targeted for the achievement
- ·So called to indicate the new society created by transformations led by scientific and technological innovation, after hunter–gatherer society, agricultural society, industrial society, and information society.

# Thank you for your attention.



Remodeling of the earth