

Contents

- 1. Introduction of NTT Group and NTT DOCOMO
- 2. IoT Market in Japan
- 3. NTT DOCOMO's Mid-Term Strategy
- 4. IoT Use Cases
- 5. DOCOMO's IoT Service
- 6. Partnership Cases

The NTT Group - Companies

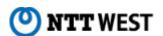
The NTT group is one of the world's largest information and communications technology companies. DOCOMO is the mobile communication division within the NTT group.

TTGroup

**TTGroup*







Local fixed line communications

100% voting shares



Long-distance, international communications and data center 66.6% voting shares



Mobile communications

54.2% voting shares



IT solutions

Other



Miscellaneous (real estate, finance, construction, power, etc.)

Consolidated Total Assets

US \$175.3 billion (JPY21,035.9 billion)*

Consolidated Operating Revenues

US \$96.2 billion (JPY11,541 billion)*

Number of Employees

241,450

Consolidated Subsidiaries

907

*1USD = 120JPY

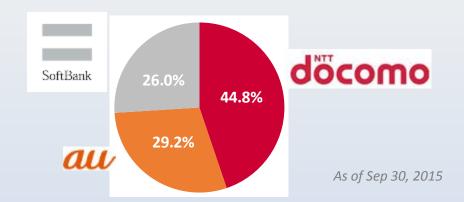
As of March, 2016

NTT DOCOMO and NTT DOCOMO USA

DOCOMO is the largest mobile company in Japan, with more than 70 million subscribers.

Overview Headquarters Tokyo, Japan Year Founded 1992 Kazuhiro Yoshizawa, President & Management **CEO Employees** 7,344 (DOCOMO Group 25,680) \$37.7 billion (JPY4,527 billion FY15)* Revenue Net Income \$5.3 billion (JPY639 billion FY15)* 1999 Launched "i-mode" 2001 Launched 3G service "FOMA" History 2005 Launched mobile Credit card service "iD" 2010 Launched LTE service "Xi" *1USD = 120 JPY

Market Share of Subscribers

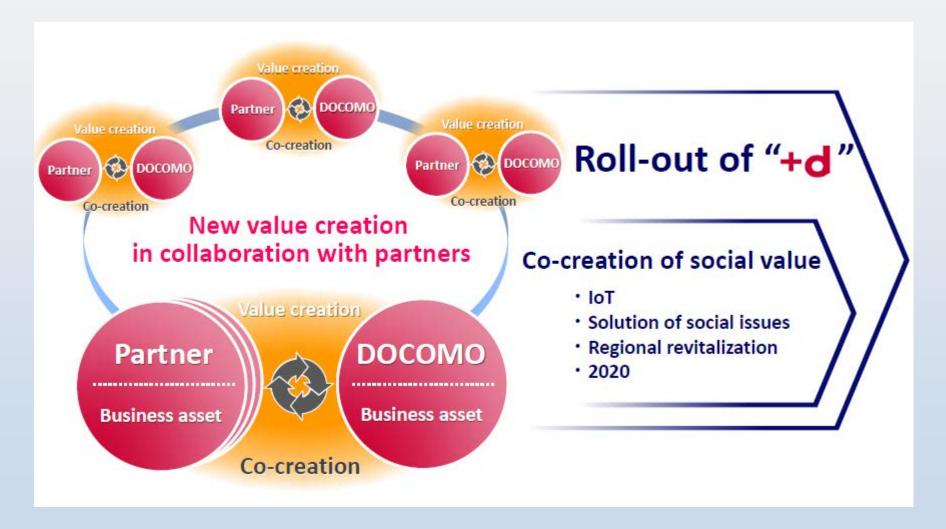


NTT DOCOMO USA

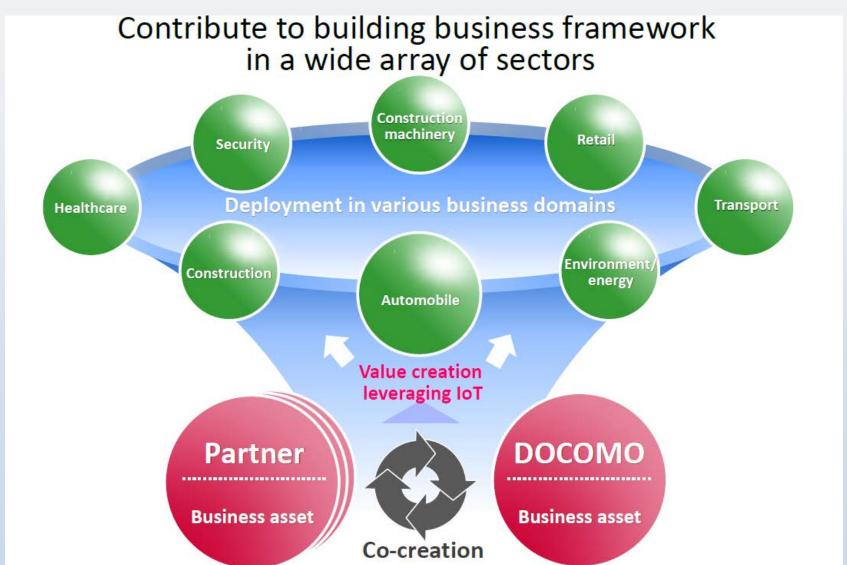
Headquarters	New York, NY
Year Founded	Nov 1, 1999
President & CEO	Michiya Shinagawa
Business Areas	Enterprise Mobility Service, Research on IT & Telecom, etc.
Branch offices	Washington DC, Silicon Valley

DOCOMO's Mid-term Strategy: Value Co-Creation with Partners

Generating New Value though Co-Creation: "+d" (Plus d)



Co-Creation of New Businesses through Expanded Adoption of IoT



DOCOMO IoT Implementation Cases by Industry IoT Seminar

Industrial Equipment Manufacturing





➤ Remote monitoring/control of equipment/facilities

Automobile





► Infotainment systems ➤ Safe driving support

Distribution





> Improve efficiency in cargo/delivery services

➤ Assist driver safety

Retail





➤ Sales/inventory management ➤ Sales data used for marketing

Insurance



➤ Provide insurance estimates and advice based on driver habits

Medical/Healthcare



➤ Preventative healthcare/ telemedicine using vital signs data

Energy





- > Power supply adjustments of virtual power plants
- ➤ Control/optimization of electricity consumption
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Agriculture





- ➤ Optimize productivity based on sensor data
- Maintain health of livestock based on vital signs data

Public Infrastructure



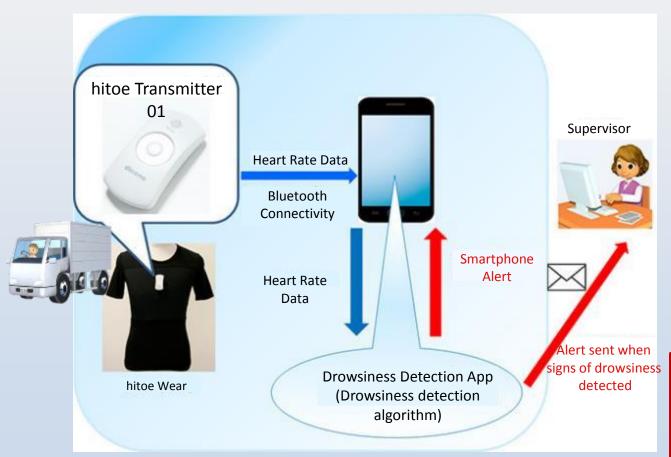


- Detect signs of potential disasters using sensors
- ➤ Remote monitoring using security cameras

IoT Use Cases

Drowsiness Detection System Trial Tests

Improve accuracy of ability to detect signs of drowsiness and stress based on heart rate data of drivers



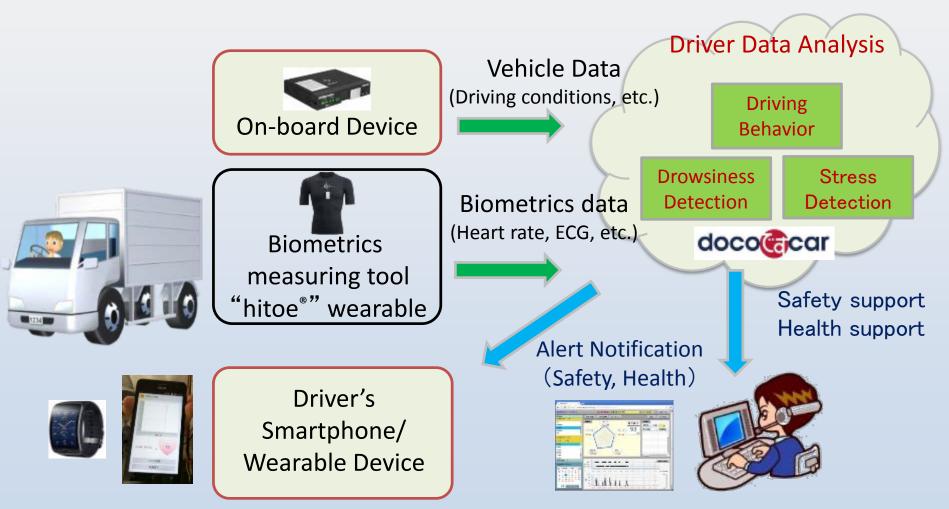
Press Release (May 10, 2016)

[Collaborators]

- NTT DATA MSE
- Kyoto University
- Kumamoto University
- NTT DOCOMO

Safe Driving Support Initiatives

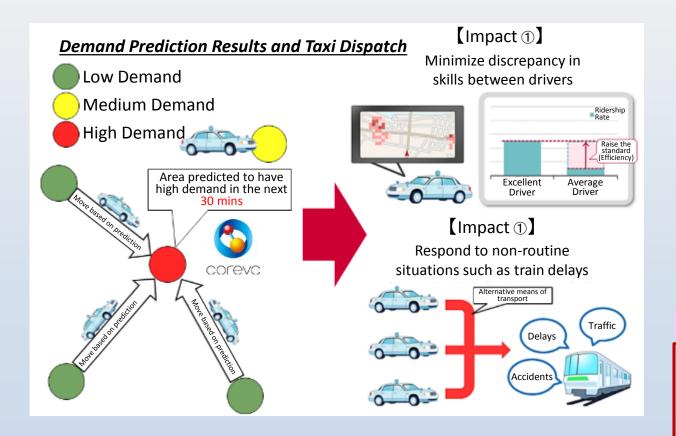
Efforts to provide initiatives to support safe driving that combines biometrics and vehicle data



Vehicle Business Operator

Taxi Ridership Demand Prediction AI Trial Tests

Testing AI demand prediction technology that combines DOCOMO's real-time demographic statistics with ridership data

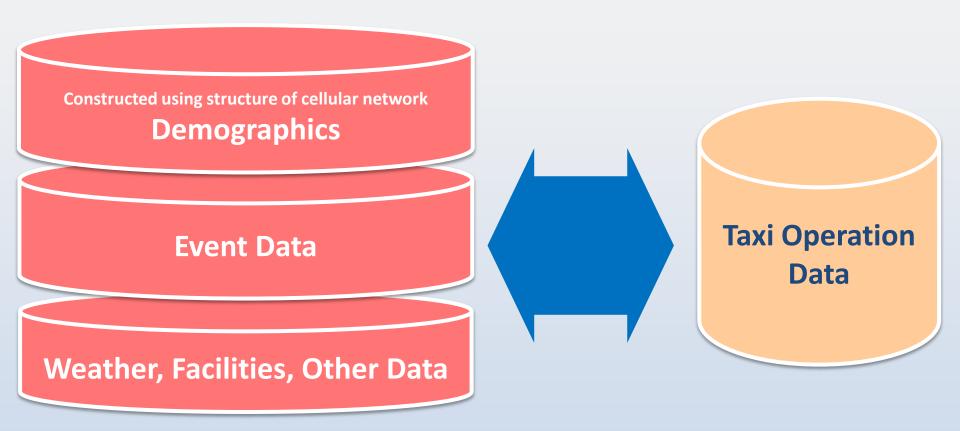


Press release (May 31, 2016)

(Collaborators)

- Tokyo Radio Cooperative
- Fujitsu
- Fujitsu Ten
- NTT DOCOMO

Overview of Real-time Taxi Demand Prediction Technology

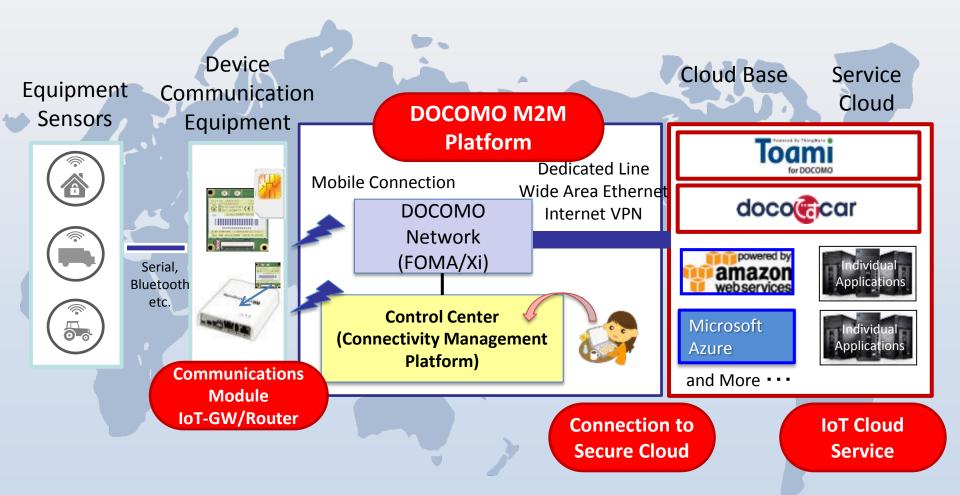


Leverage AI/Machine learning to build models

DOCOMO's IoT Service

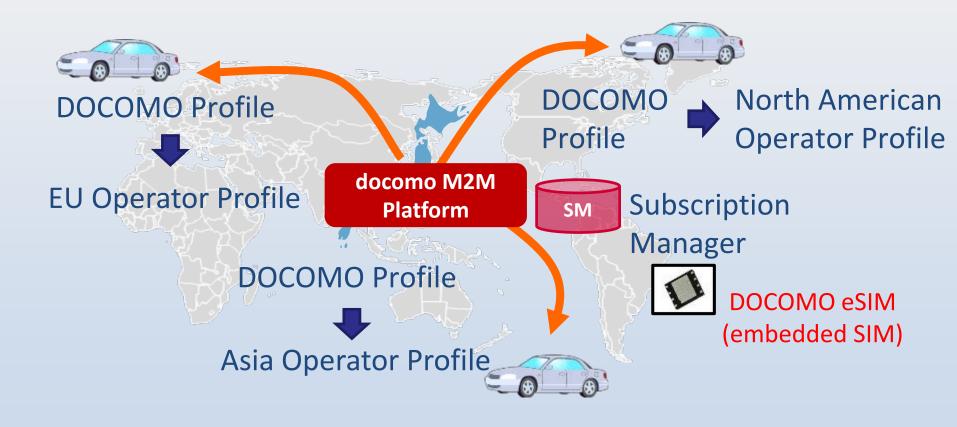
IoT Cloud/Multi-cloud Support

Based on IoT usage structure of enterprise customers, we can provide multiple cloud services with secure connections



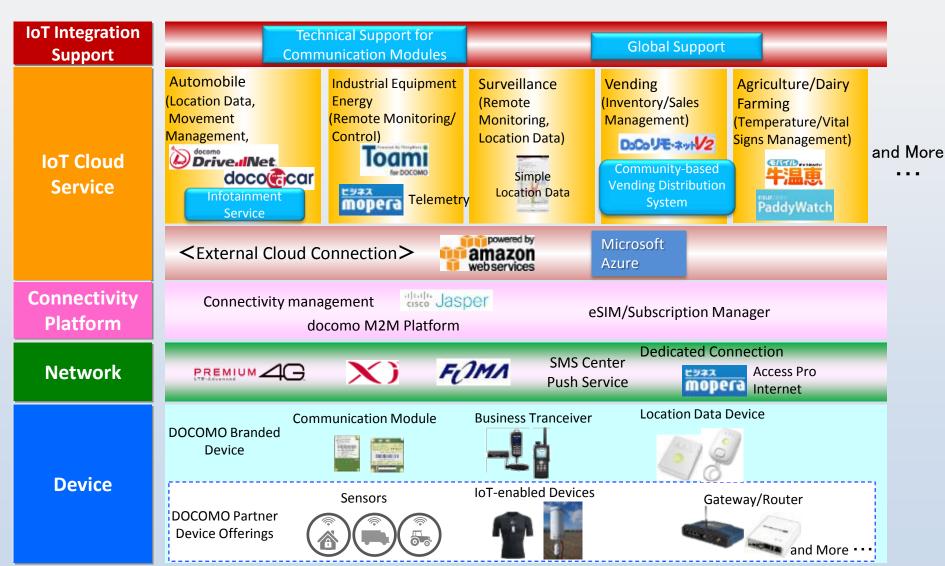
Global Offerings: DOCOMO M2M Platform

- Consolidated management of global IoT/M2M connections
- Remote updating of profiles (eSIM)



DOCOMO IoT Solutions

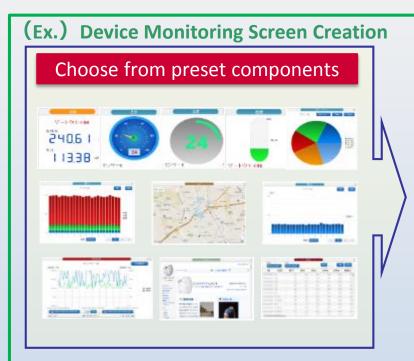
Collaborate with partners (+d) to provide a total IoT solution at a global scale

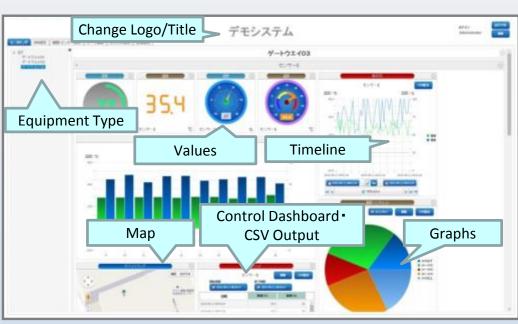


Partnership Cases

Case 1. PTC (Thingworx): IoT Cloud Service

IoT cloud service that allows users to easily build applications that provides data visualizations collected from various devices and sensors





Benefits

Ability to use without preliminary development of application

Simple, low cost, quick deployment

Ability for clients to build their own control dashboard

Japan IoT Seminar

Case 2. Jasper: Global IoT Platform



IoT World Alliance members (9 companies) 6 IoT WORLD



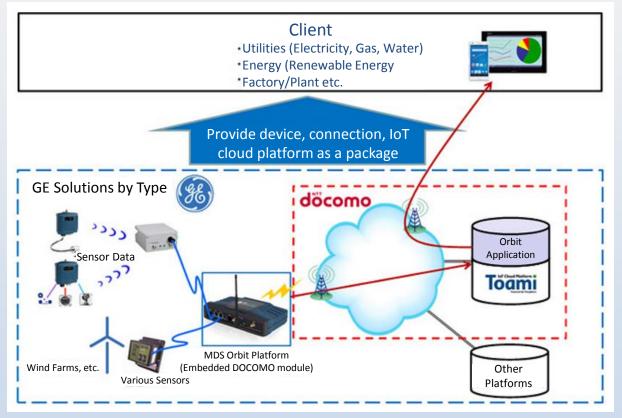
(36 operators using IoT Service Platform (Cisco Jasper))

International Roaming providers (220 countries) WORLD WING

X Currently partnered in separate agreements in IoT field

Case 3. GE: Industrial Router (MDS-Orbit)

By installing GE "Orbit", which is embedded with a DOCOMO communication module, into infrastructure, able to remotely monitor facility temperature, vibrations, and other operation data in real time



Manage operation data of infrastructure using smartphone and tablet devices to prevent mechanical failure through diagnostic methods and maintain aging facilities