Connect the Business.

~docomo business
co-creates sustainable society~

October 17, 2023

NTT Communications Corporation

Changing worlds with you.

docomo business

"docomo business" is the DOCOMO Group's enterprise business brand

docomo business

NTT docomo

Smart life Business
d POINT / d払い / d market

Consumer communications Business »5G

NTT Communications

Enterprise Business

NTT COMWARE

Software Development

Provide value with integrated solutions

In addition to conventional solutions, offer value to customers in one stop, combining mobile solutions (e.g., 5G, IoT, FMC), applications and cloud platforms, etc.
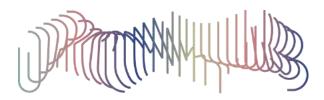
Solution

Smart World/IoT

Integrated Solution

Platform

Applications / AI

Cloud / Data Centers

Data Utilization
(docomo customer base / data)

ICT infrastructure

Fixed

Mobile

Network

Welcome to docomo business

8 Branch offices

44 Branches

Hokkaido

Tohoku

Hokuriku

Kyushu

Chugoku   Shikoku   Kansai   Tokai

Headquarters

docomo Shops
(Corporate advisors)

docomo business
Online Shop

docomo business app

Creating business with you.

Combining the accumulated value and legacy of companies to generate an impact on society that is many times greater than what a single company can produce

OPEN HUB | for Smart World

3,700 visitors from about **1,500** companies

Promoting about **1,000** co-creation projects

×**People**

Group of about 500 experts standing by co-creation

NTT Group Assets
- Smart Data Platform
- 5G
- IOWN
- Confidential analysis

Corporate Assets
- Business expertise
- Products / Services
- Data
- Intellectual Property

×**Technology**

Technologies for implementing co-created concepts in society

×**Space**

Real / Remote / Virtual
Multi-layered co-creation space

Solutions

| Construction | Industry | Agriculture | City | Workstyle |

Smart World/IoT

Platforms

Applications / AI　　**Cloud / Data Centers**　　**Data Utilization**
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ICT Infrastructure

Fixed　　　　　　　　　　　**Mobile**

Network

Become an IoT Solutions Partner

Resolve issues for each industry with solution proposal capacity strengthened with integration and synergies

Drive Recorder	Smart Meters	Public Safety (IoTube)	Connected Automobile
Financial Services (non-life insurance)	Utilities	Railways / Municipality	Auto / Construction Machinery

Transportation Vehicles	Elevators	Automated Security	Business Tablets
Transport	Elevators / Real Estate	Security	Retail / Restaurants

Construction site DX with use of ICT and remote operation for construction machinery

Construction

Use IoT and 5G to improve construction site efficiency for more productive, safe, and environment-friendly sites

KOMATSU   EARTHBRAIN   docomo business

Digitalize construction production process using IoT sensors, 5G, and docomo MEC

Generate 3D image of job sites with photographs taken with iPhone and iPad

GNSS

Install Smart Construction Quick3D app

Measure coordinates of rating and test points

Job site photograph taken with iPhone / iPad

Automatically generate point cloud data

"Smart Construction" is a trademark of KOMATSU

Remote operation of construction machinery at job site from the cockpit set up in the office

docomo MEC

MEC Direct

》》5G

Promote construction site DX with digitalized process management

Construction

Improve productivity and create safe and secure job sites with dynamic linkage of process management data

TAKENAKA **SHIMIZU CORPORATION SHMZ** **docomo business**
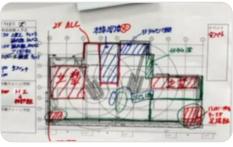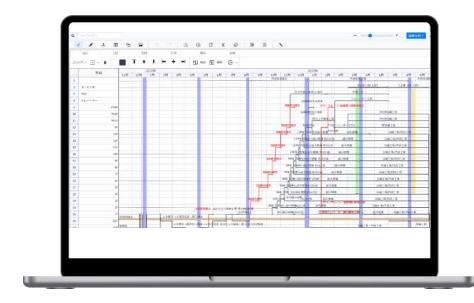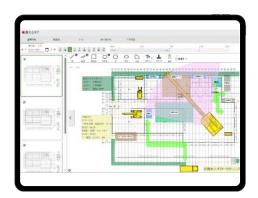
Initiatives to meet the cap on overtime applicable from 2024

- Manual process management
- Task-specific process information created separately

- **Provide data previously not available in the process charts**
- **Improve productivity and accuracy with dynamic data linkage**

Sustainable model standing with environment and producers

Agriculture

Promote use of carbon credits to achieve increased revenue for producers and decarbonization

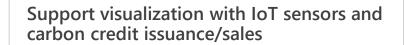YANMAR MARCHÉ

docomo business

Partner producers

Support reduction of environmental burden from rice production, from farm operation to sales and distribution

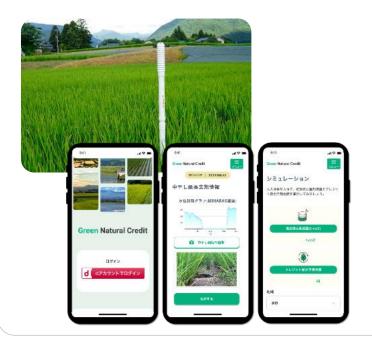Extended mid-season drainage period in wetland rice cultivation:
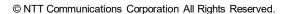**30% reduction of methane gas emission**

×

Support visualization with IoT sensors and carbon credit issuance/sales

Green rice brand creation

Obtain new revenue source with carbon credit

Carbon Management Solutions

Calculate / visualize / analyze GHG emission for entire steel product supply chain

伊藤忠丸紅鉄鋼株式会社 Marubeni-Itochu Steel Inc. | WasteBox | docomo business

Create a framework for sharing/linking data by the whole industry rather than individual companies to prepare for Scope 3
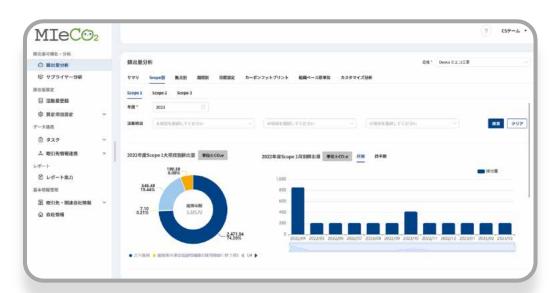
Enter business activity data

Person in charge of:
Procurement
Production

Procurement Systems

Visualize carbon emissions volume

Announce to business partners / market
Use to reduce emissions by products

Person in charge of:
CSR
Production

Solutions

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A World where Autonomous Robots are Everywhere in Town
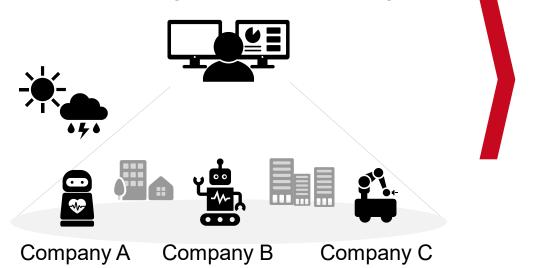
City

Comprehensive support for autonomous robot operation to achieve efficient robot operation

Autonomous robot control service

RobiCo™

Real time response to change in the surrounding environment

Company A   Company B   Company C

Centralized control for robots by different manufacturers

Smart city where people and robots co-exist
with various robots running
inside buildings and outdoors

Digitally Connect Government and Residents

Realize new city planning with municipalities

City

Government

Creating a safe and secure community

Disaster prevention information — Evacuation route — Evacuation site status

Strengthen communication of disaster prevention information

Improve regional appeal

Event information — Voucher distribution

Promotion and marketing targeting visitors suited for regional features

Businesses

(Naganohara, Gunma Prefecture)
Participation by
40 businesses

Local residents

(Naganohara, Gunma Prefecture)
App user ratio:
about **56% of population**

(Number of participating businesses and app user ratio as of July 2023)

Regional Safety Measures DX

First municipality in Japan to conduct demonstration using AI smart streetlighting and local 5G
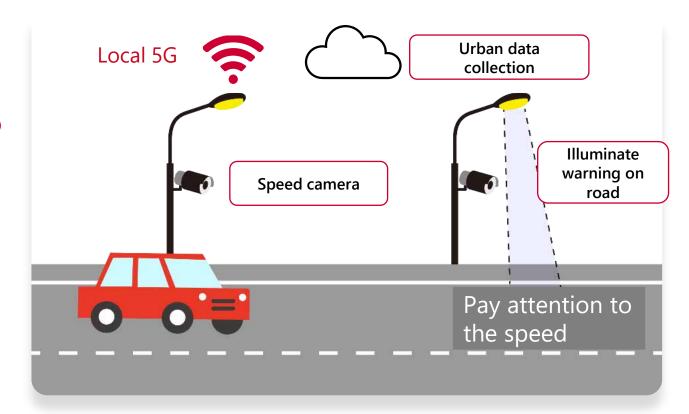
Smart streetlight installed in existing infrastructure to identify pedestrians entering roads and speeding vehicles
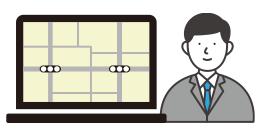

Local 5G

Urban data collection

Speed camera

Illuminate warning on road

Pay attention to the speed

Immediate warning to improve safe driving awareness

Driver

Use collected data for developing urban plan

Government

Solution

| Construction | Industry | Agriculture | City | **Workstyle** |

Smart World/IoT

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ICT Infrastructure

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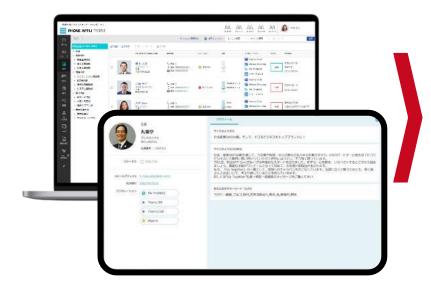# Active internal communication

Workstyle

Create transparent organization to improve employees' energy / engagement

PHONE APPLI PEOPLE

Know the people

Can communicate
Know the location

Thank and praise
each other

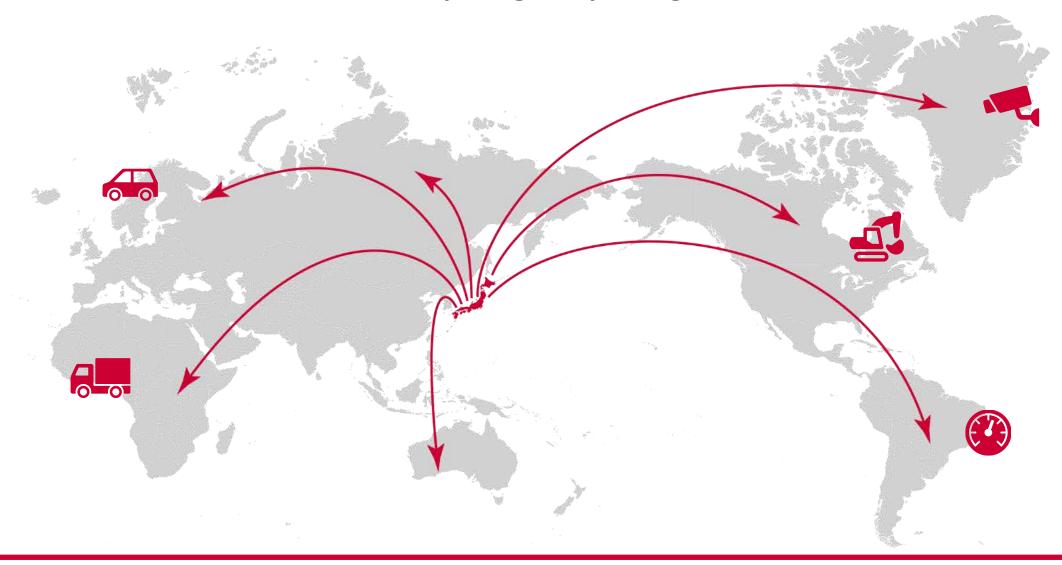# Realize a Sustainable Society with "Connect the Business."

Further improve resilience of industries / communities / society by connecting various businesses

Employees

Communities

Industry

Connect

Agriculture

IoT

GREEN

Domestic and Global

Provide a connected environment domestically and globally to large number of customers

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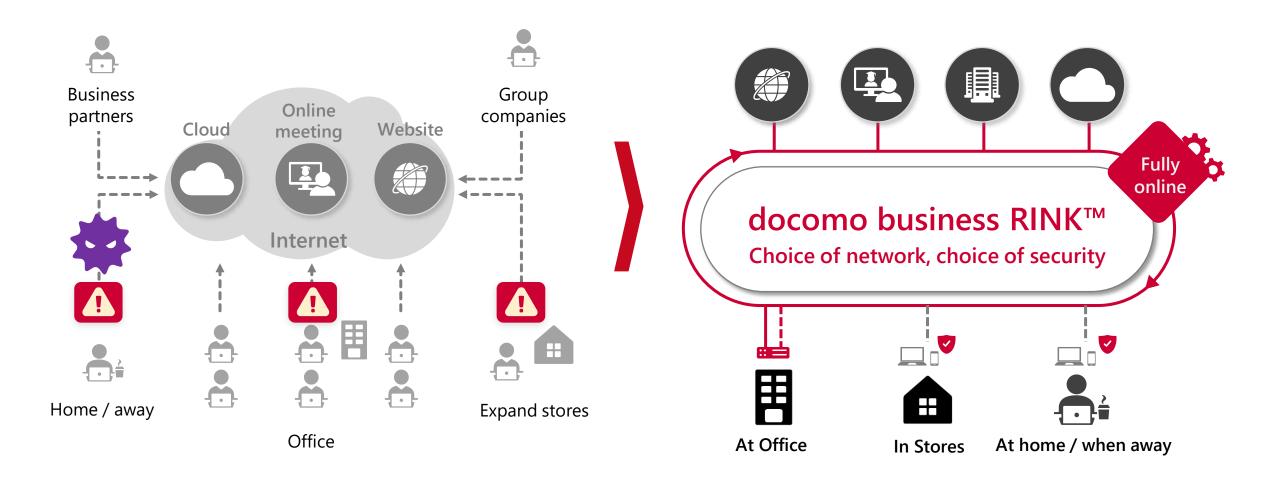
ICT Infrastructure

Fixed　　　　　　　　　　　Mobile

Network

docomo business RINK

Strengthen ICT resilience with integrated network service combined with cloud-based security

Business partners

Cloud

Online meeting

Website

Group companies

Internet

Home / away

Office

Expand stores

docomo business RINK™
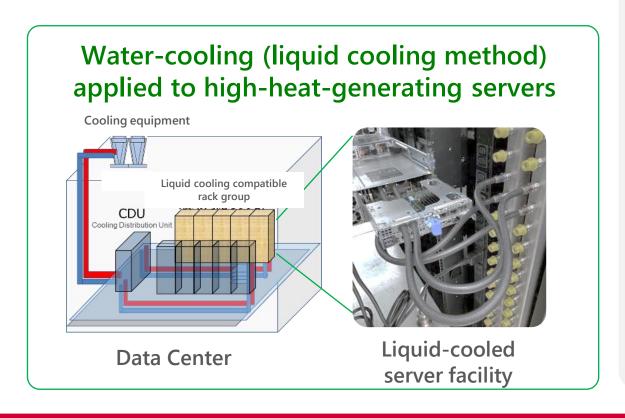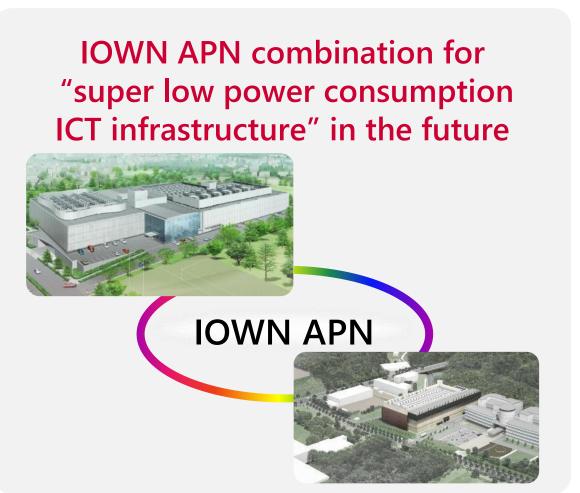Choice of network, choice of security

Fully online

At Office

In Stores

At home / when away

Environment-Friendly Data Center

Realize green ICT infrastructure with super-energy-saving data center

Green Nexcenter

Water-cooling (liquid cooling method) applied to high-heat-generating servers

Cooling equipment

Liquid cooling compatible rack group

CDU
Cooling Distribution Unit

Data Center

Liquid-cooled server facility

IOWN APN combination for "super low power consumption ICT infrastructure" in the future

IOWN APN

Evolution of Communication AI

Use generative AI / LLM to drastically improve quality of communication

Total of about
800 companies
using the series

Connect Various AI with IOWN

Ultimate communication AI
"Another self" connects you and the world

Connect the Business.

Safe and secure

Environment

Labor-saving

Enhancement

Productivity

Comfort

Re-connect X

Thank you for your attention.