About NTT Group



One of the world's largest ICT companies Ranked 65th in Fortune Global500 in2015. Consolidated revenue of approximately JPY 13 trillion^{*1}



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NTT Group at a Glance



Direction of NTT Group's Global Business

Business transformation partner

Advisory



FutDireDirectof NJT GJJbaloBasiBesiness



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Why Now?

Cost of all IoT components have been going down well in the past few years. It makes enterprises easy to introduce IoT total system for their own business.



API perfectly fits IoT expansion

Supporting API must be a key value for AEP. The API ecosystem enables flexible expansion of IoT total system. It's not just about connecting things, but connecting to other systems to get value from



Our ideal IoT Platform

To pioneer digital transformation of our customers' business, we'll provide **SECURE/ GLOBAL / MANAGED** trinity service, which enables quick PoC start and making strategic decision for our customers' business expansions



Customer production/distribution location

NTT Communications

Transform, Transcend.

IoT Platform Service Menu

NTT Communications Transform, Transcend.

IoT Platform Service



Application Enablement Platform [Things Cloud]

Easy to develop IoT solution / apps for all industries

- Easy to extract data coming from things
- Visualize data on the web-based dashboard with dozen of pre-installed widgets

Easy to manage data and device in NTT-C IoT secure cloud

- Store and transfer the data of location and condition, easy to configure the KPIs, thresholds and alarm.
- Manage the software and the firmware of the certified device

Easy to start and easy to expand your business

- No need to prepare your own server resources
- With full API function, other service can be connected



Use Case: Smart lighting in Indonesia

NTT-Indonesia and NTT-C provide smart lighting solution for local governments in Indonesia.



ITOCHU

Outdoor smart lighting system to save energy and enhance safety.

- Reduce power consumption and carbon dioxide emissions as well as operate, maintain, and control street lighting with more efficiently.
- Automatic power control makes it a safer place after dark.

Scalable, flexible and cost effective network.

- Using global mobile network service to effectively connect to every single light located outside and to cover major countries in Asia.
- The smart street lighting is used by a local government in Indonesia and expected to be expanded to more countries in Asia.



More brightly safety smartly



Use Case: Using AI for Tracking Individuals

New AI Technology Identifies human motions. Newly developed "Deep Learning" that automatically understand features from a photograph and identifies the person who fits the profile through each

Successful in identifying the person with high accuracy.



Use Case: Predicting Future in Plants using AI

Successfully predicted the quality of product at the chemical plant using AI.

 \sim Model using Deep Learning to accurately predict the 20 min future product quality \sim



development. *3 : All the censor data such as temperature, quantity, and initial machine setting etc.

*4 : Production quality. "X gas" is a specific gas using density as its quality parameter .

http://www.ntt.com/about-us/press-releases/news/article/2016/20160915.html

Keifuku Bus Pilot - SAP/NTT Co-Innovation -

Integrated analysis of driver vital data and vehicle performance data to support safe fleet operation



Field Trial (Oct - Nov. 2016)

X

"hitoe®" wear and biophysical data analytics



SAP Connected Transportation Safety App



My Variant (9	Filters
Today(3)	History(19)	
90000208		
Alert: Fatigue, Suggestion: Pl	Heart Rate lease take a break.	
8 5 minutes ago		
90000207		
Alert: Fatigue Suggestion: Pl You have work	lease take a break. ked continuously for	3 hours
🖵 45 minutes ag	0	More ~
90000206		I
Takahiro, we'll today after you	have a meeting ur work.	

Thank You!



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The most successful smart enterprises are powered by Cumulocity



Our Story





Global customers



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ERP

BI

Big Data

Process

Machine Learning

CRM



600+ SaaS Applications

Selected solutions and use cases powered by Cumulocity

Smart, connected products



Smart consumer products



Traffic monitoring / Safety





Telematics & Insurance



Smart City







Logistics & Asset tracking



Retail / Vending telemetry





Surveillance & Security



Metadata collection for people and vehicle counting & events

Intelligent building



Sensing & Observations



Healthcare



What's your business?



Thank you



