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For immediate release

Mitsui Fudosan Co., Ltd.

NEC Networks & System Integration Corporation

Mitsui Fudosan and NEC Networks & System Integration Agree to Conduct
Japan's First Joint Demonstration Experiment
for Utilization of New Office Buildings Using Local 5G

Key Points of This Press Release

- Mitsui Fudosan and NEC Networks & System Integration agreed to conduct Japan's first joint demonstration experiment
- By utilizing local 5G's customizable features, it will be possible to realize services flexibly adapted to various working styles
- Demonstration experiment scheduled to begin in December 2020 at Nihonbashi Muromachi Mitsui Tower

Tokyo, Japan, September 30, 2020 –Mitsui Fudosan Co., Ltd., a leading global real estate company headquartered in Tokyo, and NEC Networks & System Integration Corporation (NESIC) agreed to conduct a joint demonstration experiment with the aims of realizing smart buildings that utilize local 5G and providing services for new working styles in September 2020. The demonstration experiment is scheduled to take place in select areas within Nihonbashi Muromachi Mitsui Tower from December 2020 to May 2021. The demonstration experiment, which utilizes standalone-type local 5G (4.7 GHz bandwidth) within a large-scale office building, will be the first initiative of its kind in Japan.

Local 5G brings together the features of 5G (high speed and large capacity, low latency, and massive connectivity) and a private network (flexible customization of functions, high level of security, and stability) and can be used for various applications within office buildings. Constructing various kinds of platforms for communication network optimization in smart buildings makes it possible to realize a network environment that is adaptable to various working styles in a flexible manner.

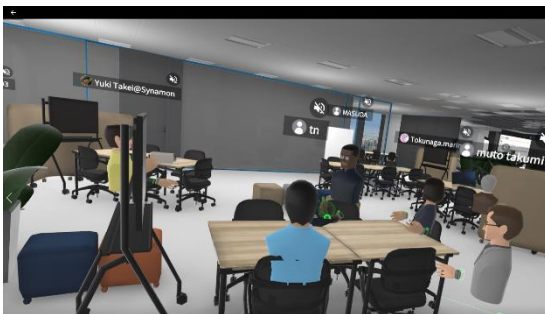


New office solutions that will be realized through local 5G (concept)

Combining Mitsui Fudosan’s know-how that utilizes place and opportunity with NESIC’s networks and wireless platform technology and expertise in work-style innovation, both companies will aim to improve the intellectual productivity of workers and create a highly secure office environment and service models adapted to the needs of various working styles by conducting the demonstration experiment utilizing local 5G based on the themes below. In addition, the companies are also considering usage during disasters such as major earthquakes while incorporating 5G into building management by making the office interior contact-free using robotics, for instance. This will ease the concerns that people who use the office may have about COVID-19 infection.

<Themes of the Demonstration Experiment>

- (1) Establishment of both real and virtual workplaces that utilize XR*1 and technology such as image and voice recognition to a high degree



Virtual workplace (concept)



Communication between real and virtual spaces through VR application (concept)

*1 General name for various technologies that combine the real and virtual worlds, such as VR and AR

- (2) Provision of a PC-free office environment that utilizes a high-speed, highly secure wireless network and 5G smartphones



PC-free office environment (concept)

- (3) Provision of services and office building management for tenants that utilize robots and next-generation signage



Automatic guidance robot
“YUNJI SAIL”



Next-generation signage system (concept)

Mitsui Fudosan and NESIC plan to conduct the demonstration experiment on 5F and 6F (office lobby), 11F (within the Mitsui Fudosan office), and 22F (within the NESIC Innovation-Base) of Nihonbashi Muromachi Mitsui Tower between December 2020 and May 2021. NESIC has filed an application with the Ministry of Internal Affairs and Communications for a license to operate an experimental test station utilizing the 4.7 GHz bandwidth for the local 5G stations, whose commercial use is expected to be institutionalized within this year. After licenses for wireless local 5G stations for commercial use of this bandwidth are institutionalized, Mitsui Fudosan will apply for a commercial license and accelerate efforts in preparation for practical application.

Through the initiative, both companies will continue to help solve issues faced by corporations and society in the area of office buildings and contribute to the realization of a sustainable society.

Contributions to SDGs (Sustainable Development Goals)

■ Mitsui Fudosan Group's contribution to SDGs

https://www.mitsufudosan.co.jp/english/corporate/esg_csr/

The Mitsui Fudosan Group aims for a society that enriches both people and the planet under the principles of coexist in harmony with society, link diverse values and achieve a sustainable society, and advances business with an awareness of the environment (E), society (S) and governance (G), thus promoting ESG management. By further accelerating its ESG management, the Group will realize Society 5.0, which the Japanese government has been advocating, and contribute significantly to achieving the SDGs.

■ NESIC's Contributions to SDGs

The SDGs refer to 17 international goals adopted by the United Nations that are set to be completed by 2030 in order to realize a sustainable, diverse and inclusive society in which no one is left behind.

At the NESIC Group, we aim to realize a society in which people around the world can live safely, securely and prosperously, and help to achieve the SDGs by providing value through creation of communication.

* The initiatives covered in this press release are contributing to four of the UN's SDGs.

Goal 8 Decent Work and Economic Growth
Goal 9 Industry, Innovation and Infrastructure
Goal 11 Sustainable Cities and Communities
Goal 17 Partnerships for the Goals

