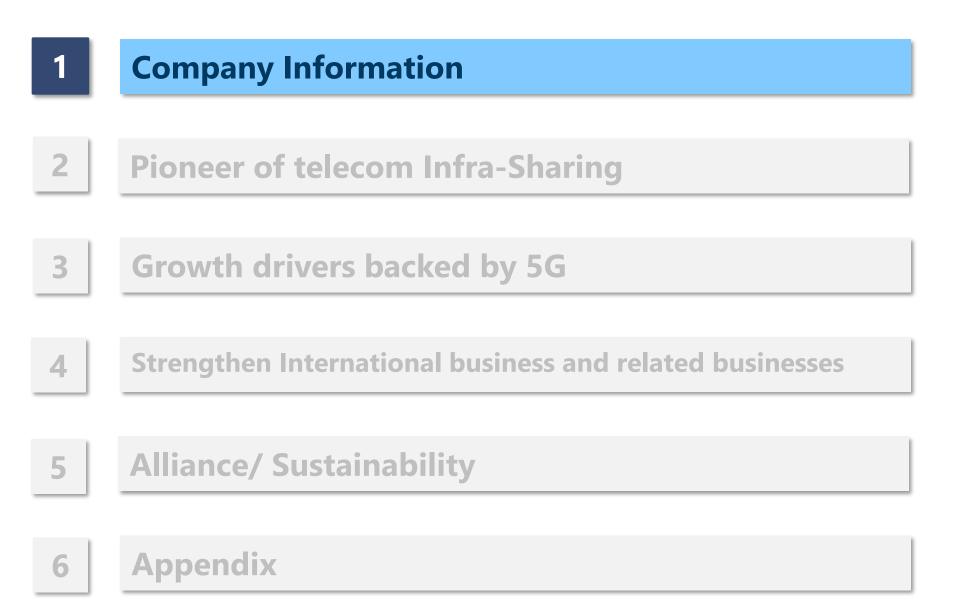
JTOWER

Company & Business Information

February 8, 2022

JTOWER Inc.



JTOWER's Vision

Infra-Sharing Services from Japan Lead the World

Japan is behind in the field of global telecommunications infrastructure sharing.

In 2012, when the term "Infra-Sharing" was not common in Japan, we launched our first business.

Our goal is not the same as other global tower companies; our goal is what they have never done.

Meeting the world's highest standard for network quality as required in the Japanese telecommunications industry, we will overcome challenges and improve services.

We will treat all stakeholders with respect and honesty, including mobile network operators, real-estate developers, and partner companies,

We will continue to innovate and challenge new ideas to expand business globally.

We will pursue the world's state-of-the-art technologies, services, and business models.

As a result of these efforts, we will make the Infra-Sharing services that we provide global standards and create our future through businesses expansion.

This is the vision of our company.

Company Name	JTOWER Inc.				
Founded	June 2012				
Representative Director	Atsushi Tanaka				
Head office	8-5-41 Akasaka, Minato-ku, Tokyo, Japan				
Employees	156 ^{*1} (consolidated, as of December 31, 2021)				
Capital	JPY7,988 million (as of December 31, 2021)				
Business Description	Provision of telecom Infra-Sharing service and related services in Japan and overseas				

*1: Number of employees includes the average number of temporary workers (contract workers and workers from staffing agencies) in the past year, which is 23.

IBS^{*1} Business (Indoor Infra-Sharing)

- Integrate mobile network operators' in-building infrastructure as a shared system
- Beneficial for real-estate firms, mobile users and mobile network operators
- ✓ Steady growth with a stable revenue model



- Installation at 429 properties^{*2}
 (4G IBS 373, 5G IBS 56 properties)
 (including the number of installations to be completed)
 - ✓ Expansion in emerging markets
- **Overseas** ✓

Japan

- Expand business in both organic and inorganic, mainly in Vietnam
 - Top player in Vietnam (Installation at 219 properties^{*2})
 - Expanding in Malaysia

Tower Business (Outdoor Tower Sharing)

- ✓ Full-scale entry in FY2020
- New market for outdoor Infra-Sharing service driven by the deployment of 5G
- Outdoor telecom infrastructure sharing among mobile network operators



Solution Business

- ✓ Value-added services for Infra-Sharing business
- Serve demand by mobile carriers and real estate companies for rooftop base station installation through SITE LOCATOR, cloud-managed Wi-Fi solution and others





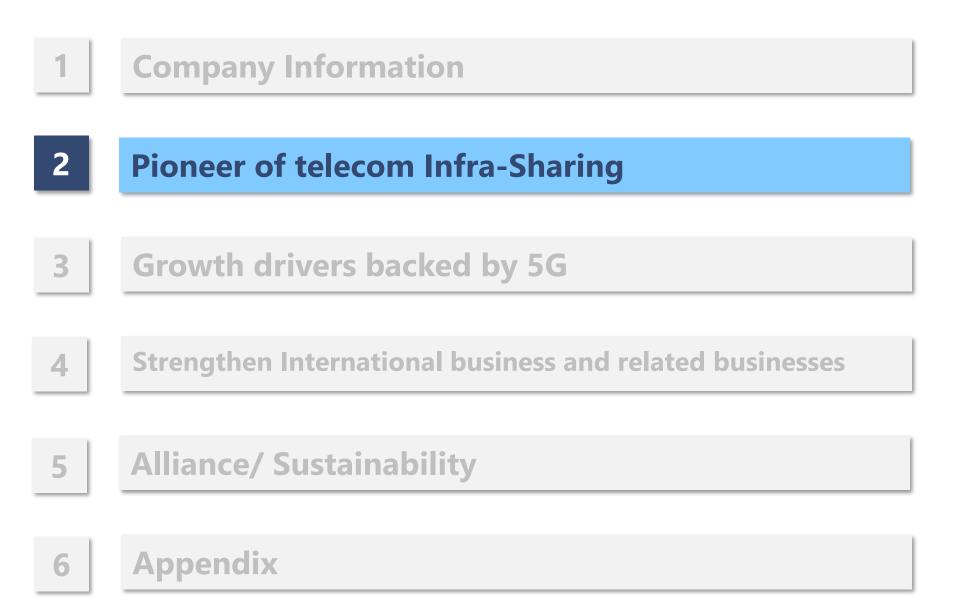


Footsteps as a Pioneer of Telecom Infra-Sharing

2012	2014	2017	2018	2019	2020	2021
June JTOWER Founded	September Launched Domestic IBS	July Launched International IBS in Vietnam	October Announced to enter into Tower Business in Japan	July Capital & Business Alliance with NTT (Holding Company) December Listed on the Tokyo Stock Exchange Mothers	October Began offering indoor 5G Infra-Sharing solutions	May Capital & Business Alliance with KDDI Additional Allocation to NTT July Signed the master transaction agreement for tower carve-outs from NTT West October Capital Alliance with Rakuten Mobile November Capital & Business Alliance with NTT DOCOMO

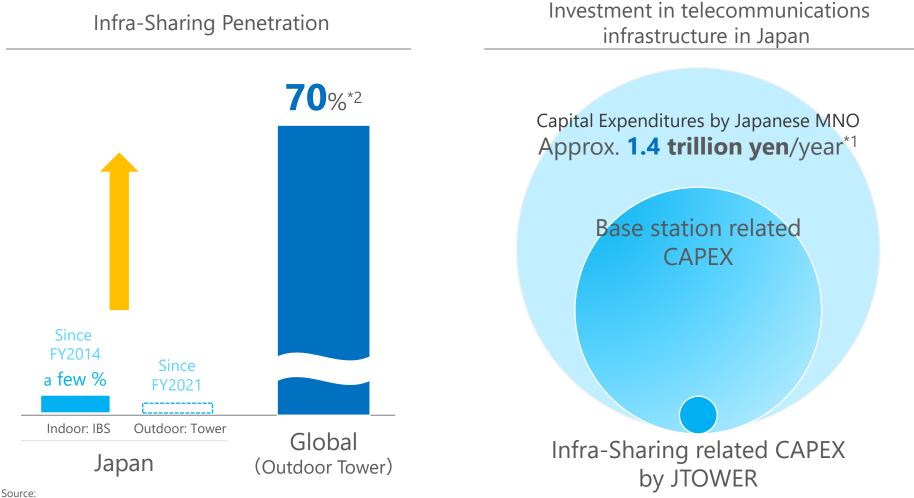
Outline

JTOWER



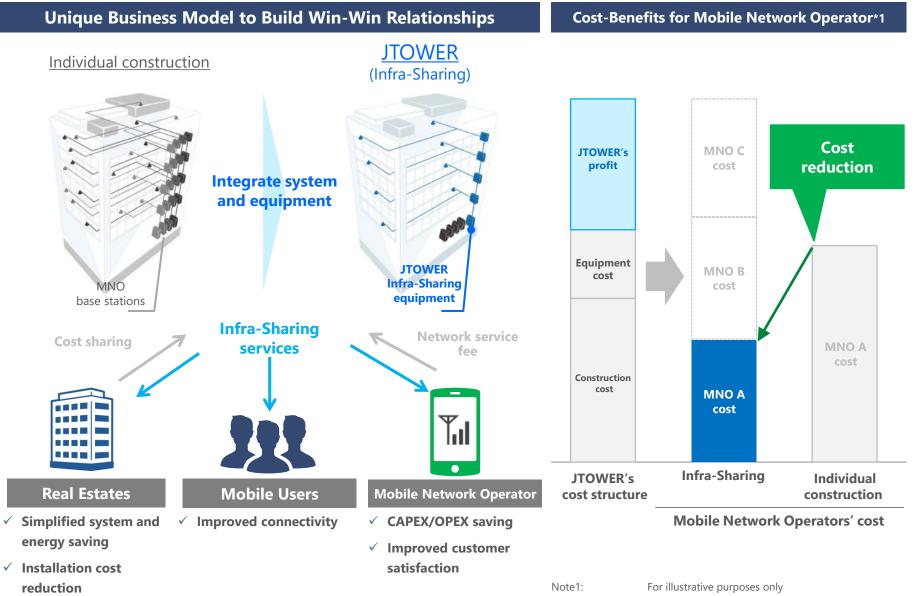
Market development and room for expansion for Infra- Sharing in Japan

- In Japan, JTOWER has been leading Infra-Sharing market as a pioneer.
- On the other hand, compared to the global market, Japanese Infra-Sharing market seems to be a market with considerable room for future expansion.



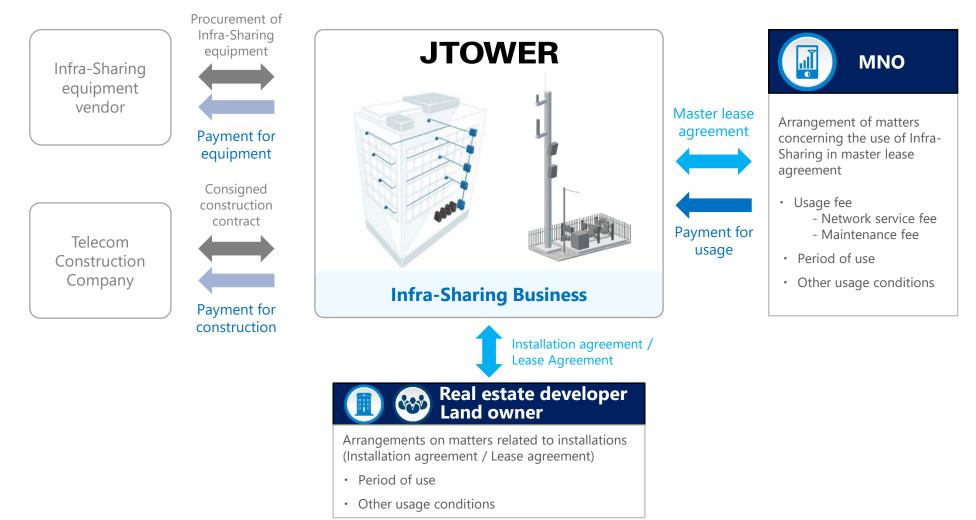
*1: Based on Current Status and Future Forecast of the Mobile Phone Base Station Market and Peripheral Materials Market (2020 Version) by MCA

*2: Based on TowerXchange



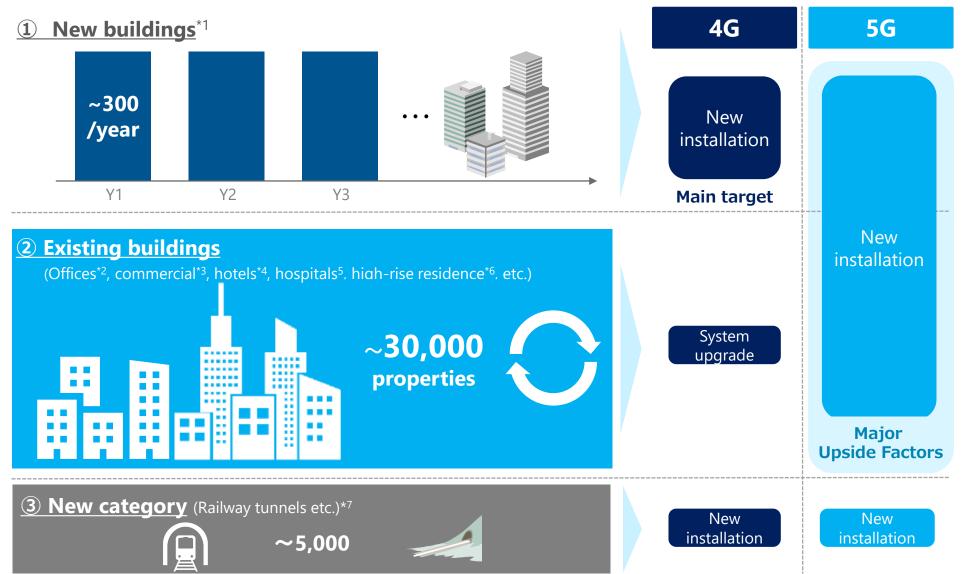
2 Overview of Infra-Sharing contract structure

• Contracts for Infra-Sharing services, such as master lease agreement with MNO, installation agreement with real estate developers, and lease agreement with landowners.



2 Domestic IBS - Persistent Demand and Upside Potential

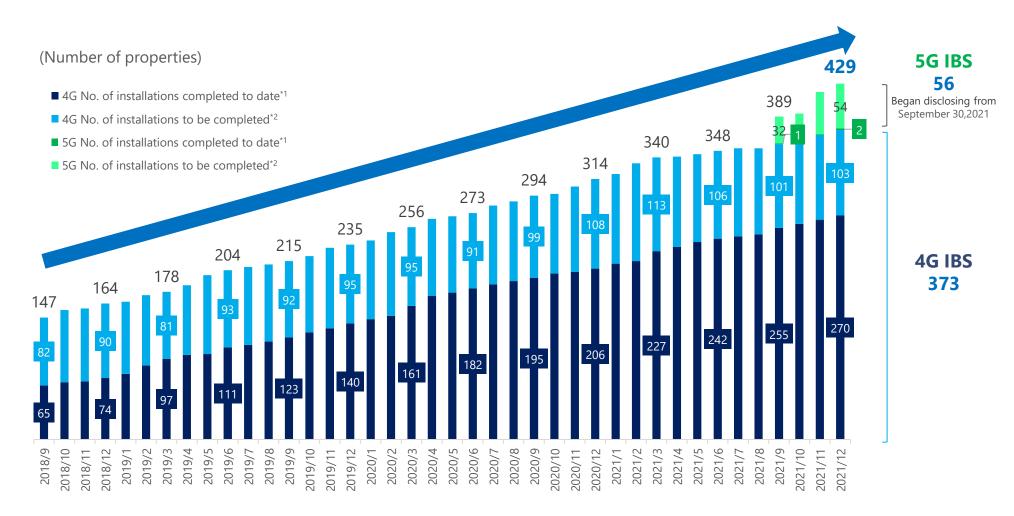
JTOWER



* 1 : Company estimate based on large-scale projects with ploor area of >10,000ml. *2 Large-scale projects with >330ml per floor (as of Sept. end 2018, office building criterion based on Sanko Estate). *3: Large-scale projects with >1,500ml retail floor space and >10 tenants, developed by a developer. *4: Based on the number of resort hotels, city hotels and business hotels in Japan (as of Dec. 31, 2018). *5: Large hospitals with >300 beds in Japan (excluding general clinics, as of Oct. 1, 2017). *6: Condominium buildings with >20 floors in Japan (estimate for 2020 as of Oct. 31, 2018). *7: Total number of tunnels used by private railway companies and Japan Railway Company based on the statistics provided by the Ministry of Land, Infrastructure, Transport and Tourism (as of 2016) Source: "OFFICE RENT DATA 2017" by Sanko Estate Co., Ltd., Japan Council of Shopping Centers Website, TOXYO KANTEL Co., Ltd. and the Ministry of Land, Infrastructure, Transport and Tourism (Annual Railway Statistics)

Historical Number of Installations (Domestic IBS-4G·5G) JTOWER 2

- Total number of 4G IBS installations has increased to 373 (installation completed: 270, to be installed: 103).
- Total number of installations of 5G IBS became 56 including pipelines.

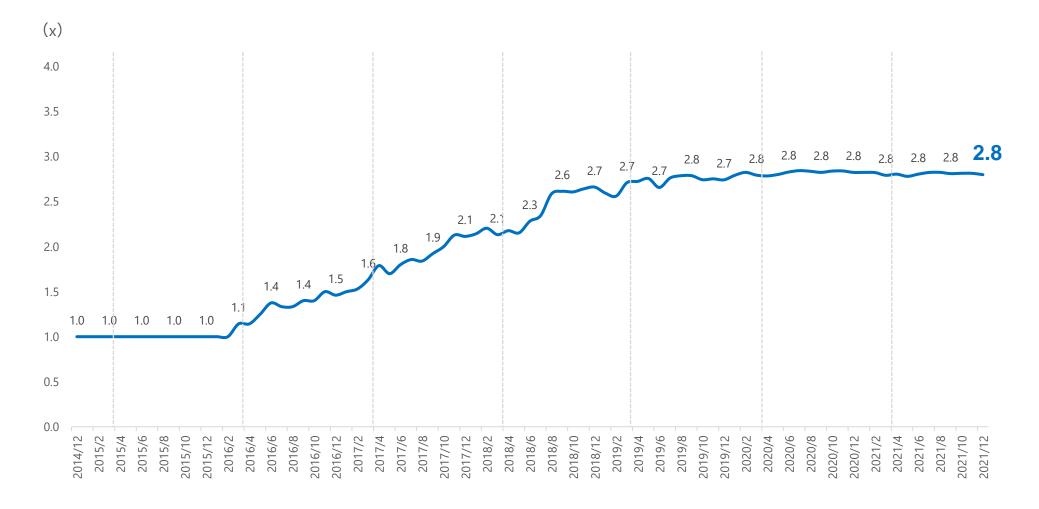


*1: Projects where radio waves have been emitted and revenues are recognized.

^{*2:} Projects where we have reached an agreement with the property owner and mobile carriers, and radio waves emission and revenue recognition are expected in the next few years.

² Historical Tenancy Ratio^{*1} (Domestic IBS-4G)

- **JTOWER**
- Tenancy Ratio (average number of participating mobile network operators per property) has been steady in the higher 2 point range.

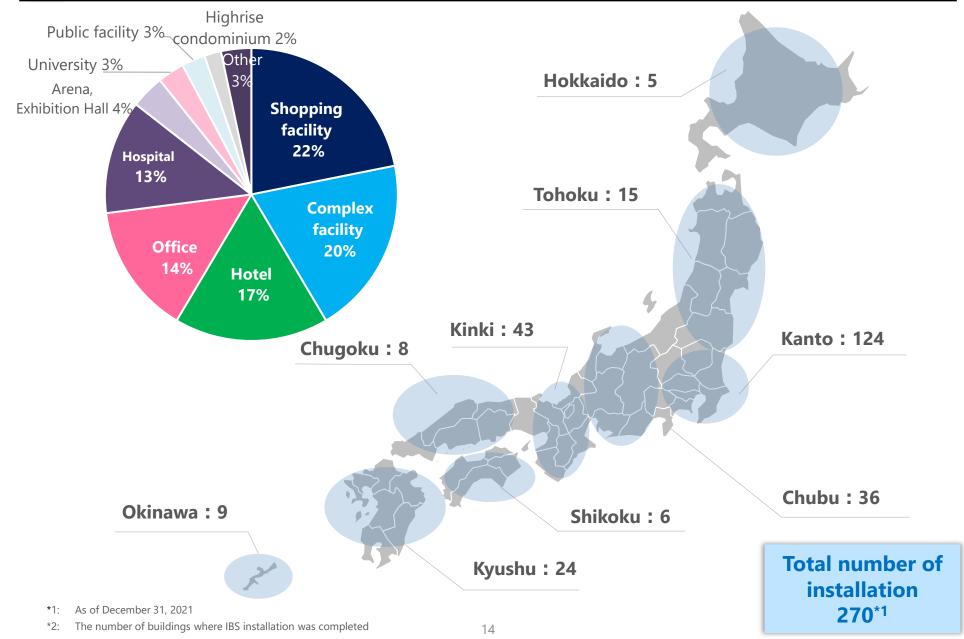


*1: テナンシー・レシオ=1物件あたりの平均参画携帯キャリア数(累計導入済み物件における数値)



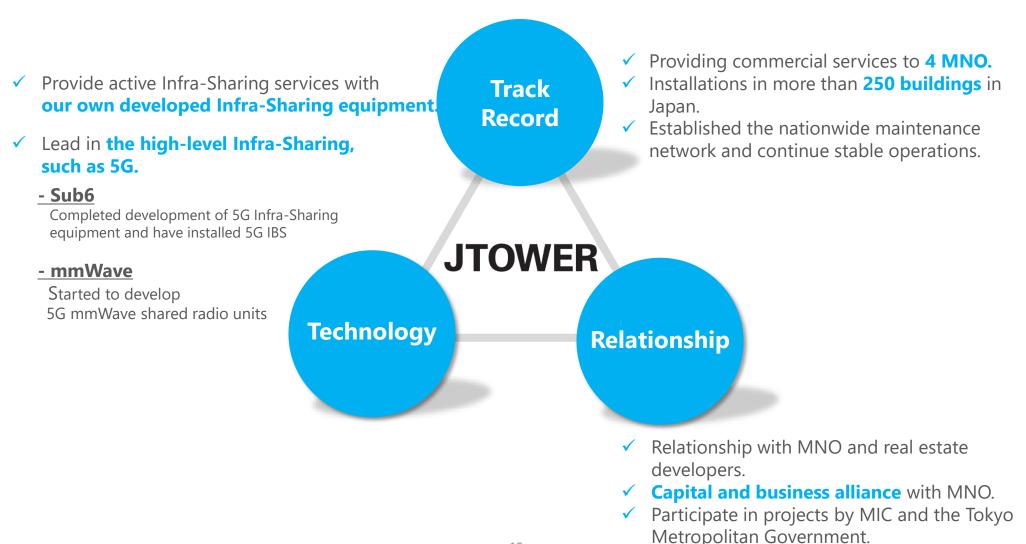
2

-The number of installations around the country and type of buildings *1, 2 **JTOWER**

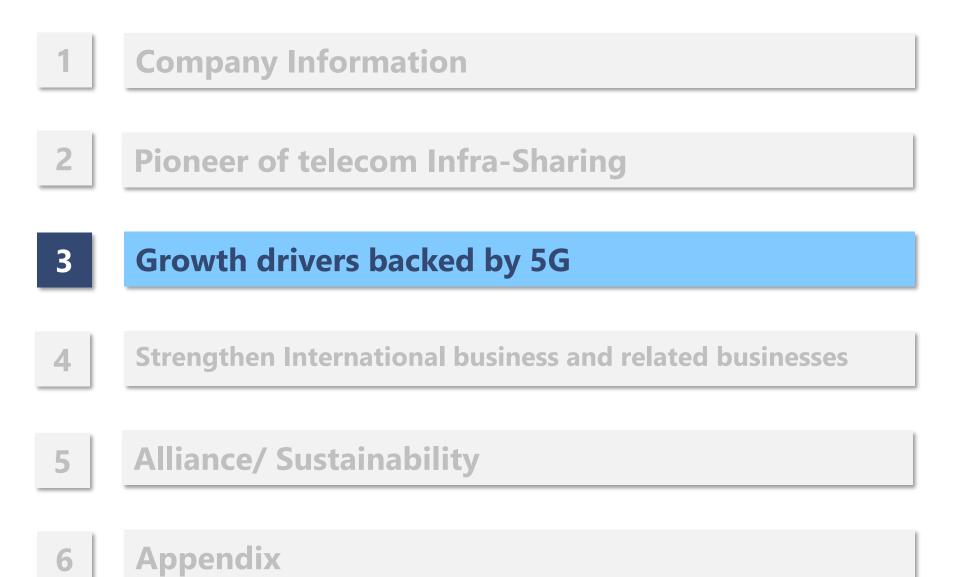


2 Our strengths in Infra-Sharing market

• As a leading company of Infra-Sharing, JTOWER has established a solid position in the market with a high entry barrier.

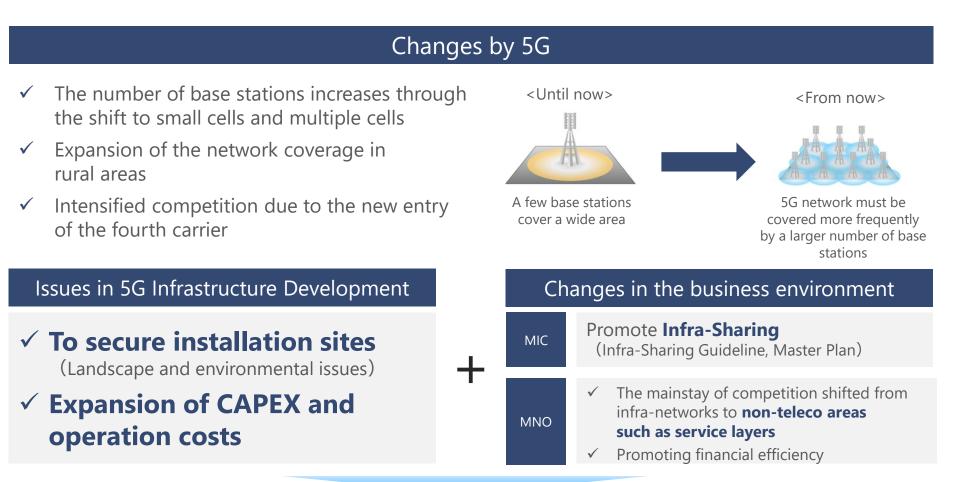


Outline



3 Growing demand for Infra-Sharing in Japan

• Demand for Infra-Sharing has been increasing due to the launch of 5G.



Demand for Infra-Sharing increases as a solution in 5G/Beyond 5G age

3 Initiatives of MIC and others to promote Infra-Sharing **JTOWER**

✓ Formulation of Infra-Sharing Guideline

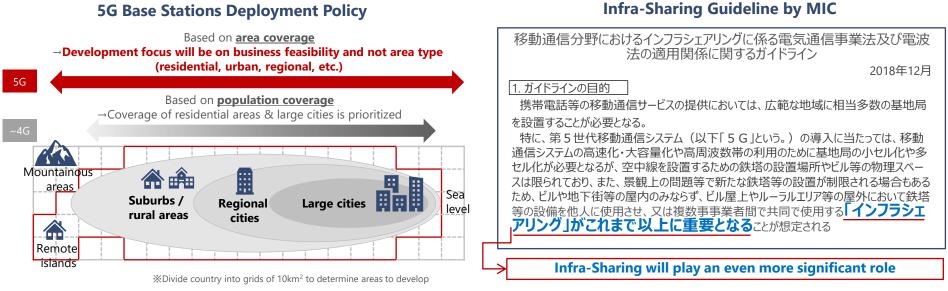
At the time of 5G spectrum allocation, required Infra-Sharing plan as an item in 5G infrastructure deployment plan for MNO

 If 5G base stations are installed by several companies in rural areas, it is decided that the subsidy rate will be more favorable than that of a single company

- ✓ Build 5G network **utilizing traffic signals**
- Initiatives to utilize public assets (Ministry of Finance and local governments)
 Released lists and database of assets owned by the national government and the Tokyo Metropolitan
 Government to use as installation sites for 5G base stations

Source : Partial excerpt from MIC's "Promoting the Development of 5G Base Stations through Infrastructure Sharing" announced in December, 2020.

3 < Reference > MIC (Area Coverage Policy, Infra-Sharing Guideline, Master Plan, JTOWER



Source: Ministry of Internal Affairs and Communications

<Master Plan on the development of 5G base stations>



In order to promote the development of 5G network nationwide, including in rural areas, **Infra-Sharing in which multiple operators jointly develop network facilities such as base station facilities will be promoted** in accordance with Guidelines for the Application of the Telecommunications Business Act and Radio Act Concerning Infrastructure Sharing in the Mobile Communications Field (formulated in December 2018).

The public and private sectors, including local governments, will work together to promote;

- The support for joint development by multiple operators in the development of mobile network
- R&D on shared-use technologies for network facilities of 5G base stations
- The installation of base stations on traffic signals where is physical restrictions on the space
- Utilization of private Infra-Sharing service providers
- Utilization of public facilities and privately owned facilities for base station sites

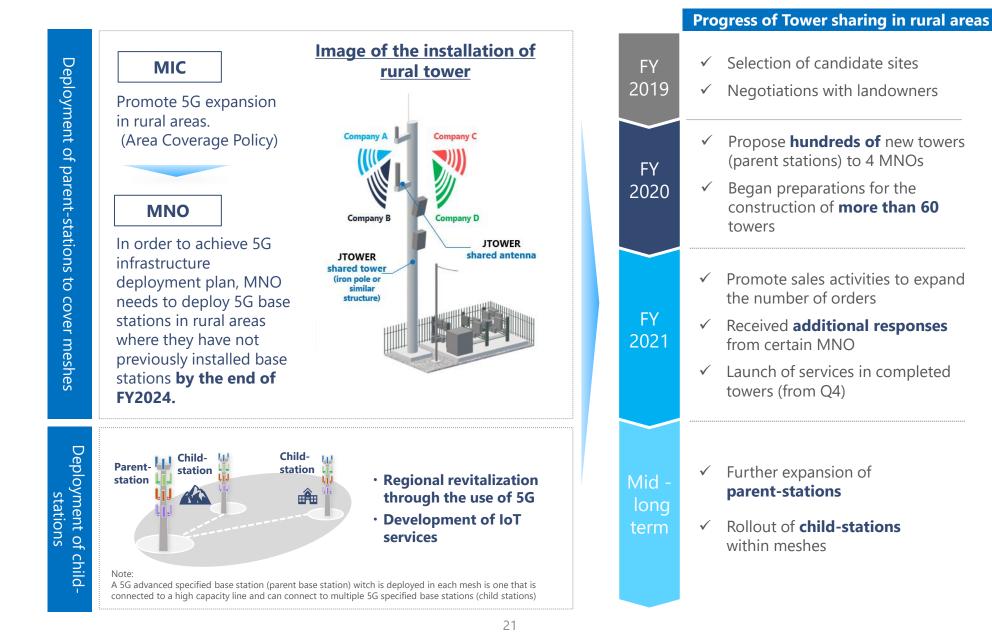
Partial excerpt from MIC's "Master Plan 3.0" announced on December 25, 2020 (English translation by JTOWER)

3 Tower Business

- Accelerate outdoor Infra-Sharing to expand 5G coverage.
- Expanding 5G coverage in 3 areas contributing to regional digitization.

Rural Tower Sharing	Smart Pole	Carve-out
Launch new tower sharing in rural areas	Expand the coverage in areas with smart solution demands	Further expand carve out transactions for telecommunications towers

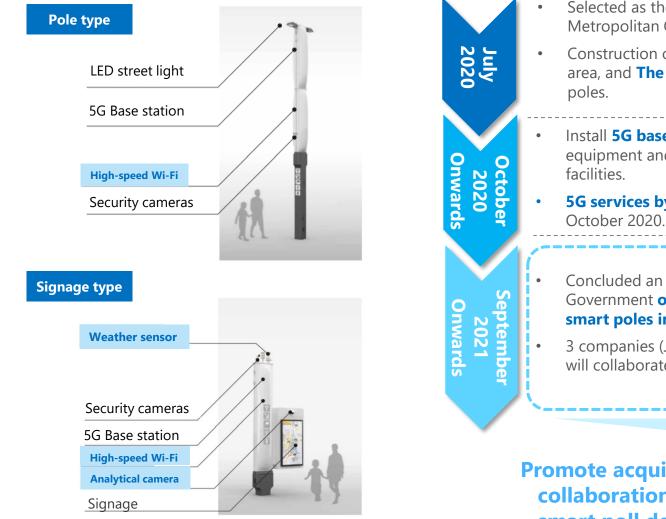
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3 Tower – Tower sharing in urban areas

JTOWER

Image of Smart Pole



Equipment related to data utilization

Tower sharing in urban areas

- Selected as the 5G Smart Poles provider of the Tokyo Metropolitan Government (April 3, 2020)
- Construction of smart poles completed in Nishi-Shinjuku area, and **The four MNOs** all decided to use these smart poles.
- Install 5G base stations including 5G infra-sharing equipment and began to share telecommunications facilities.
- **5G services by four MNO** gradually started from October 2020.
- Concluded an agreement with the Tokyo Metropolitan Government on the expansion of installation of smart poles in Nishi-Shinjuku area.
- 3 companies (JTOWER, TEPCO Power Grid, NTT EAST) will collaborate to build **20 new types of smart poles.**

Promote acquisition of new orders, such as collaboration with local governments with smart poll demand aiming for expansion

3 Tower – Progress of tower carve-outs with NTT West JTOWER

Progress of transaction

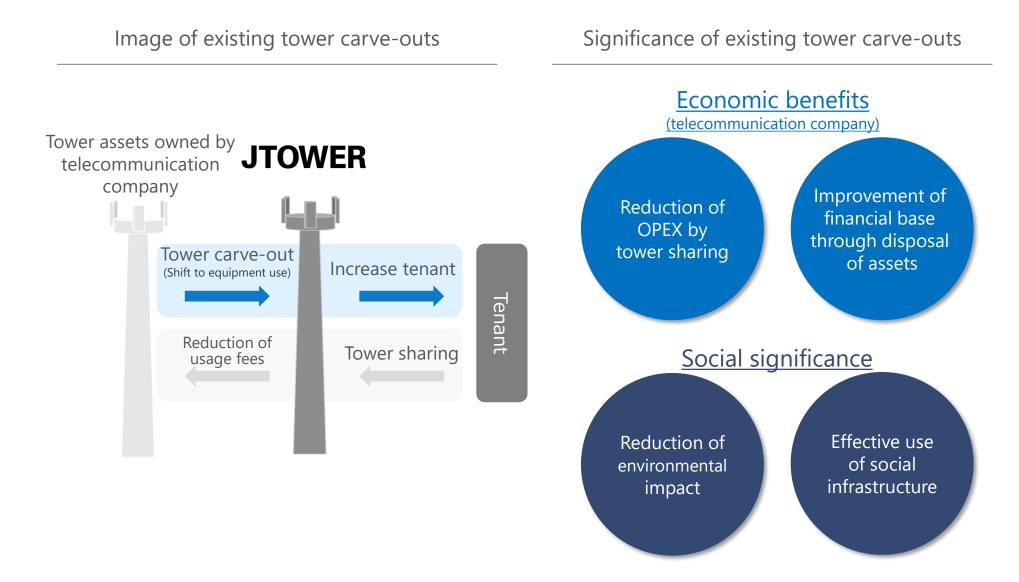
- Began discussions with NTT West and existing tenants for the transfer. The contract transfer is expected to be implemented gradually, but the transfer is expected to begin from March 2022.
- After the contract transfer is completed, we plan to work to attract new tenants to telecommunication companies and others for sharing.

Image of telecommunications tower



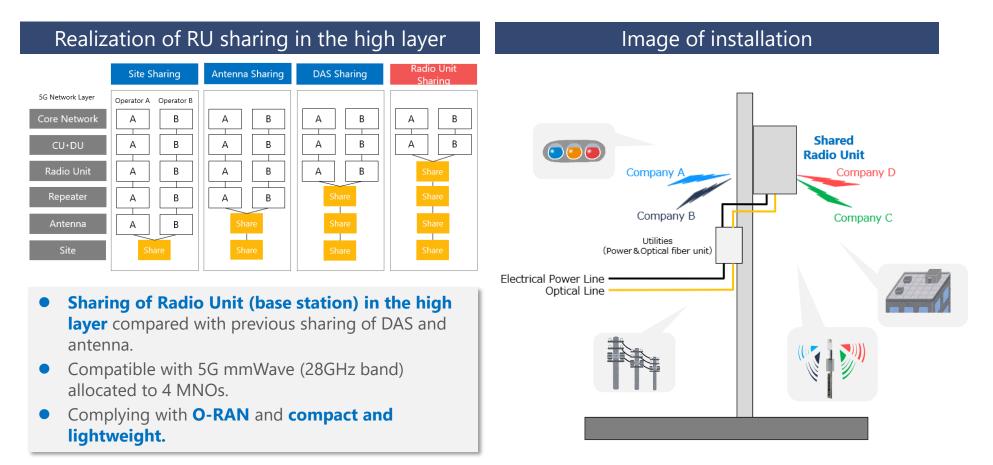
NTT WEST **JTOWER** Lease Agreement Succession Sales of Existing Tower Assets Tenants Attraction Telecommunication NTT West Building NTT West Building Companies (MNO/LPWA Provider) **Purchase Price (Total):** Number of Towers: 71 Approx. 700 million yen **Revenue contribution: Transfer of ownerships:** Approx. 200 million yen Start gradually from March 2022 * If this transaction contributes for the full fiscal year *The contracts of the existing tenants of each tower will be successively transferred

Image of tower carve-outs transaction



3 Tower - 5G mmWave Shared Radio Unit

- **JTOWER**
- In 5G mmWave spectrum, we have begun developing shared radio units (base stations), aiming for sharing in the high layer compare to previous sharing.
- Aim to complete manufacturing of the prototype unit by Q3 FY2022.



Anticipate installation in a wide range location both indoor and outdoor, including concrete poles, electric poles, signals, smart poles and inside of buildings

3 Domestic IBS Business – 5G Strategy

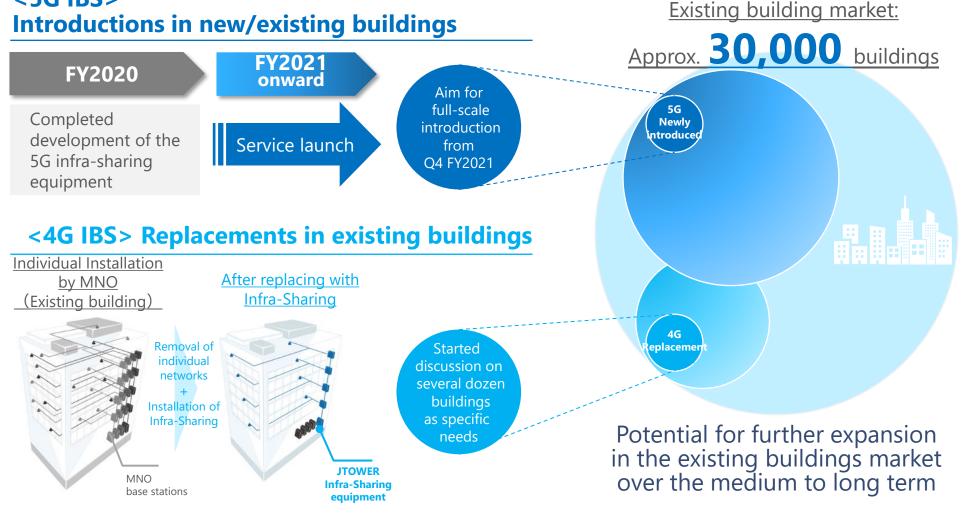
- in addition to ongoing expansion of existing 4G IBS, launch new services including 5G IBS.
- Aiming for further expansion in existing buildings, which has significant potential.

Image of 4G/ 5G IBS (main target buildings)

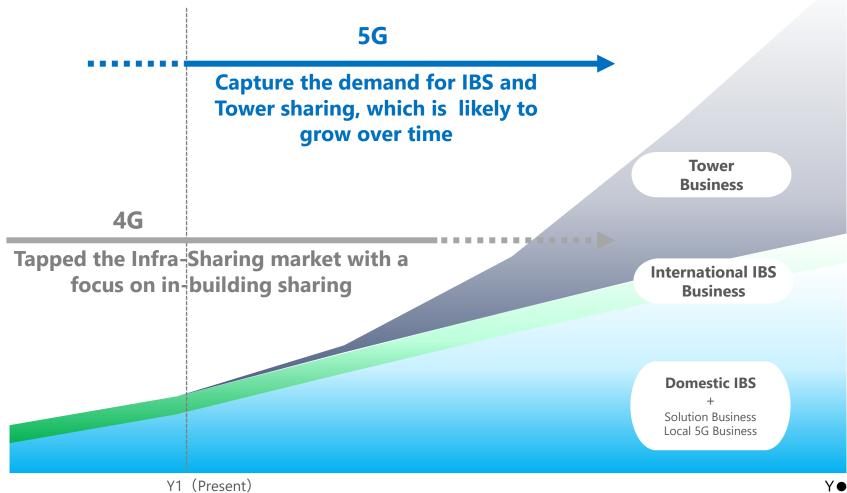


3 Domestic IBS – New Initiatives

 New initiatives, the replacement of existing 4G networks to 4G IBS in existing buildings and the rollout of new 5G IBS, will be introduced from FY2021 onward. Aiming to expand in the existing building market, which has significant potential, over the medium to long term.
 <5G IBS>



• Aiming to expand the Domestic IBS business and the Tower business supported by the increasing 5G demands for the efficient capital investments in telecom infrastructure area.



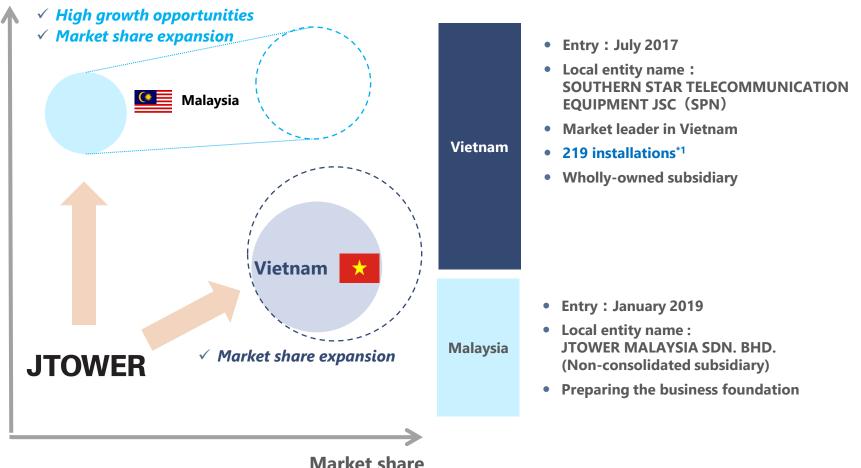
Outline



4 International IBS – Capturing Emerging Markets

• Expansion mainly in Southeast Asia by partnering with influential local players.

Market growth



<Reference> IBS Asset Purchase in Vietnam

 On November 17, 2020, the overseas subsidiary SPN engaged in the IBS business in Vietnam, has executed IBS Asset Purchase Agreement with Thien Viet Company Limited one of the IBS operators in Vietnam.

SPN executed IBS Asset Purchase Agreement with International Thien Viet Company Limited one of the IBS operators in Vietnam. (Announced on November 17, 2020)

Purchase Price (Total) Approx. 240 million yen

IBS

Number of Projects 63 projects (Approx. 1.8 million m²)

Transfer of ownership expected to be completed

at the end of December, 2021

* Transfer of ownership will be conducted on a propertyby-property basis

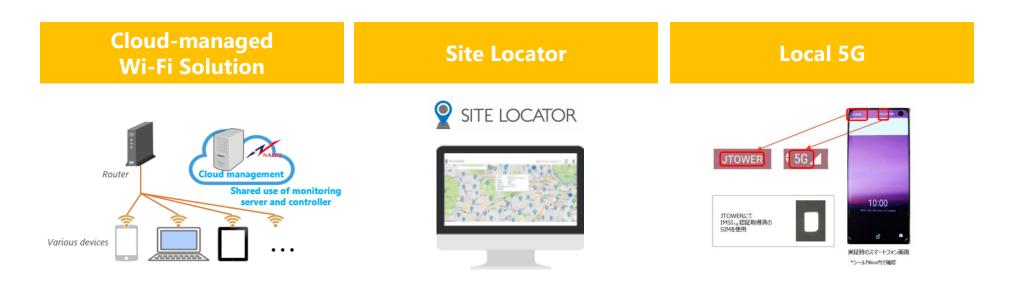
Revenue contribution Approximately 150 million yen

* If this transaction contributes for the full fiscal year

Further promoting growth strategies in Vietnam, including M&A of local competitors and the purchase of existing operating assets

4 Solution Business

• Provide related services as an up sell for Infra-Sharing.

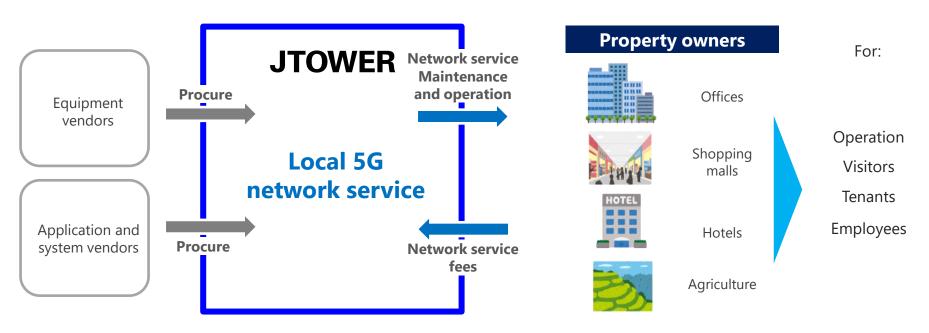


Provide Cloud-managed Wi-Fi Solution as am up sell for Infra-Sharing Provides a database for matching the rooftop space leasing demands with the BTS installation demands Promote development and participation in demonstration tests as a preparation for the launch of commercial services in FY2022 • Launched initiatives for commercialization by leveraging management resources cultivated in Domestic IBS.

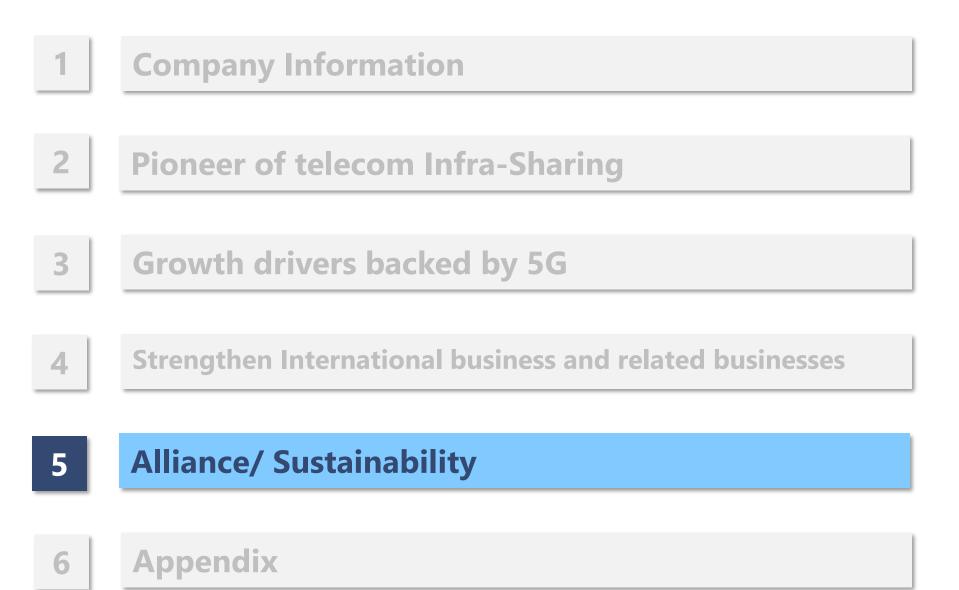


✓ The Image of Our Local 5G Services

Expect to provide B2B2C and B2B2B services to property owners



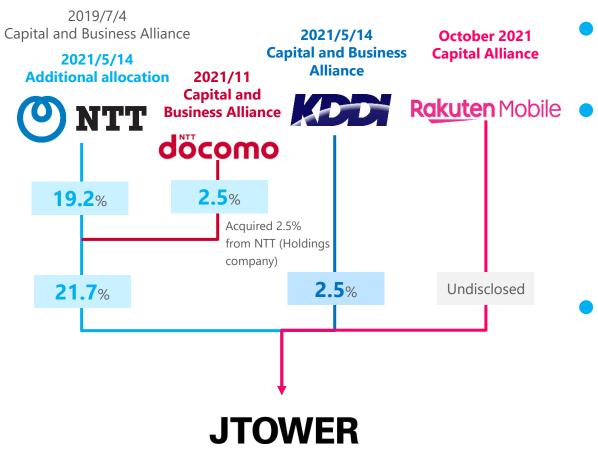
Outline



⁵ Positioning of alliances with mobile network operators

 By strengthening relationships through alliances with mobile network operators, we will strengthen our position as Infra-Sharing provider aiming for further growth and expansion.

Our capital structure



Significance for us

- Strengthening our position as a leading company of Infra-Sharing
- In Tower Business, where the relationship with mobile carriers is important, we aim to expand the business based on the strengthening of the relationship under this alliance.
- Going forward, we will continue to consider alliances that contribute to enhancing corporate value as an important measure.

5 Toward Sustainable Society

• Infra-Sharing in itself leads to the realization of Sustainable Society

JTOWER

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

Infra-Sharing



- Reduction of electricity consumption by indoor Infra-Sharing
- Manpower-saving and reduce accident risks by reducing redundant constructions
- Reducing the environmental impact of manufacturing, transportation, and disposal by reducing the use of equipment and materials
- Minimizing the impact on the natural environment and landscape by Tower Sharing



36

With our employees

Together with our customers and business partners

Realization of
Society3GOOD HEALTH
AND WELL-BEING
AND WELL-B

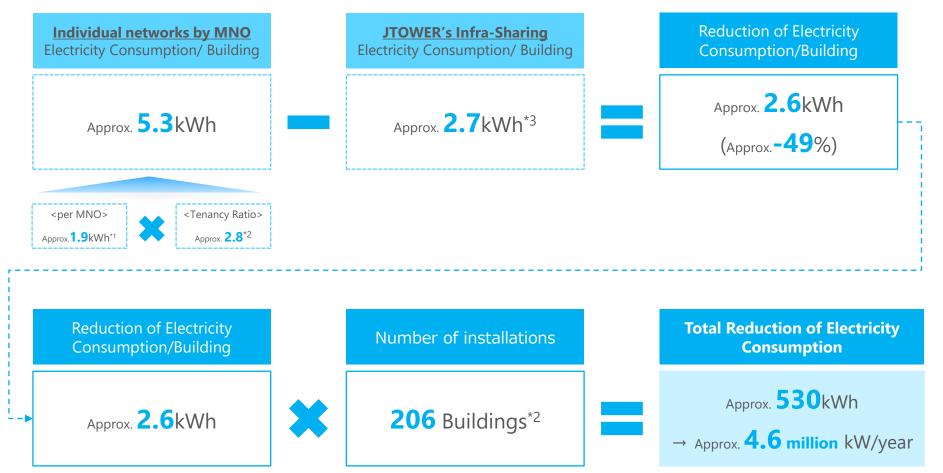
JTOWER

- The Improvement of the usability of mobile phones by improving the indoor and outdoor communication environment
- Promotion of Smart City
- Regional revitalization Elimination of the digital divide

Our Approach to SDGs

5 - Reduction of Electricity Consumption (Domestic IBS)

• In Domestic IBS business, the installation of indoor Infra-Sharing contributes to reducing electricity consumption by approximately 4.6 million kW/Year (our calculation).

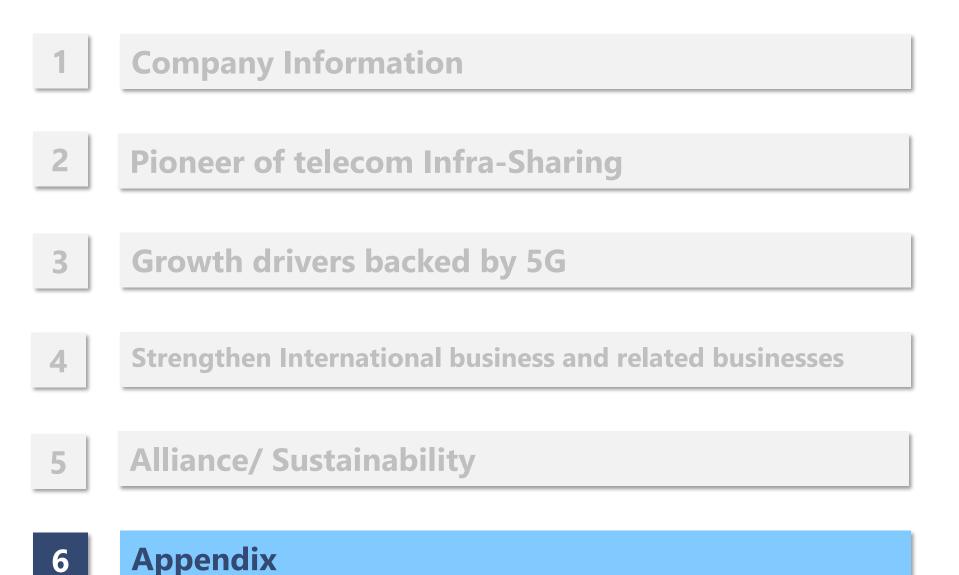


*1: (Estimated electricity consumption/Building)×70% 70% is our assumed calculation and does not indicate actual electricity consumption

*2: As of December 31, 2020

*3: Estimated based on the calculation: (The average number of units used at IBS installed properties) × (The estimated electricity consumption of our Infra-Sharing equipment based on specification) as of December 31, 2020.

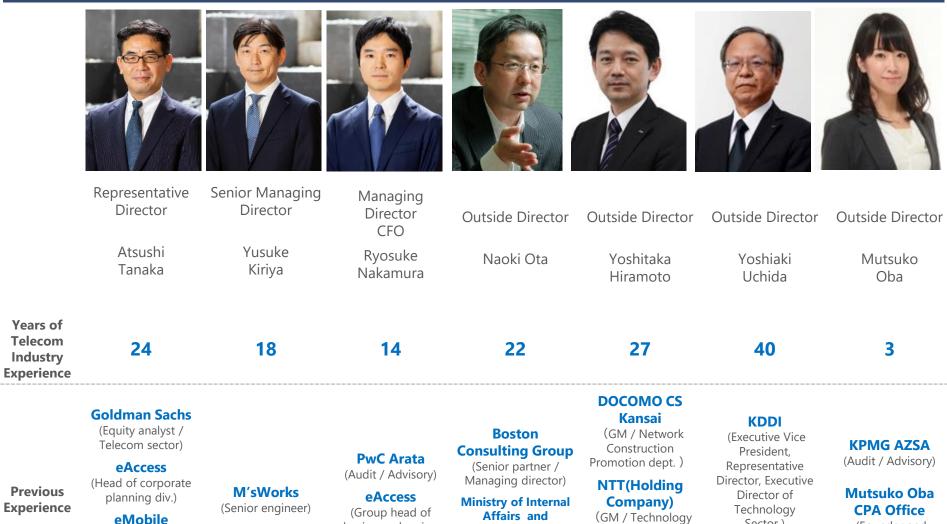
Outline



6 **Management with Telecom Expertise**

JTOWER

Board of Directors



(CFO / Head of corporate planning div.)

Years of

business planning div.)

Affairs and Communications (Advisor to Minister)

39

(GM / Technology

Planning dept.)

NTT DOCOMO

Sector)

KDDI

Engineering

(Chairman)

(GM / Radio Access Network Engineering dept.)

(Founder and Representative)

Advisors



Advisor

Nobuo Nezu

53



Years of Telecom Industry Experience

47

Eiji

Hagiwara

KDDI (Managing executive officer /

Full time auditor / Advisor)

Previous Experience NTT DOCOMO (Director)

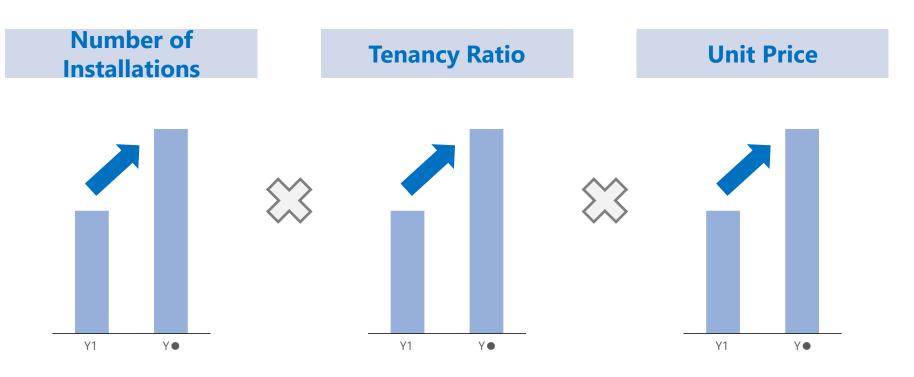
Panasonic Mobile Communications (Senior Managing Director)

> SAMJI ELECTRONICS (Advisor)

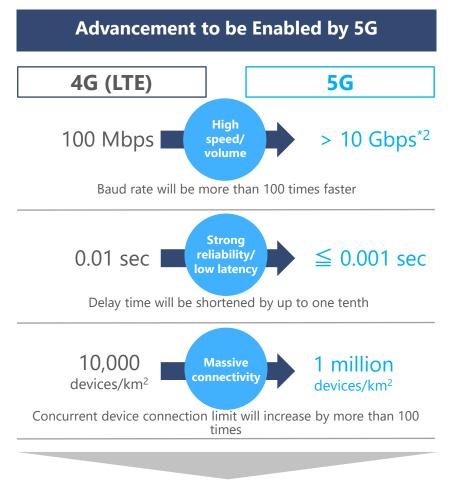
Important Indicators to Improve Enterprise Value

6 and Upside Potentials

JTOWER

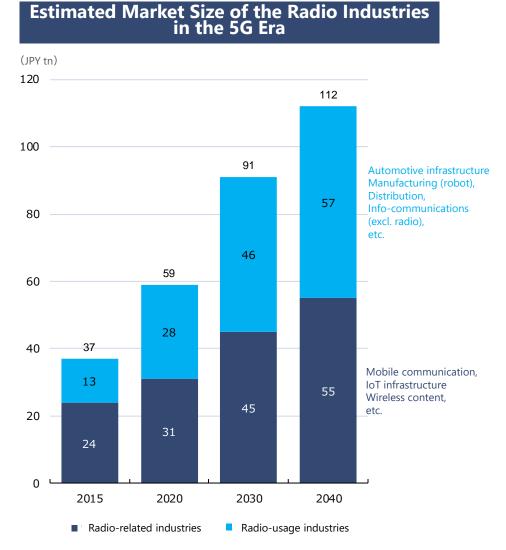


- ✓ 4G IBS in existing property and new introduction of 5G IBS
- Strengthen business foundation through alliances
- Increase in the entry of mobile network operators such as further participation on existing properties
- ✓ Introduction of shared equipment for 5G to the existing and new properties
- ✓ Additional value for IBS Business
 Provide Wi-Fi solutions
- ✓ Provide local 5G-related solutions



Demand for infrastructure will increase due to the significant impact of 5G related services

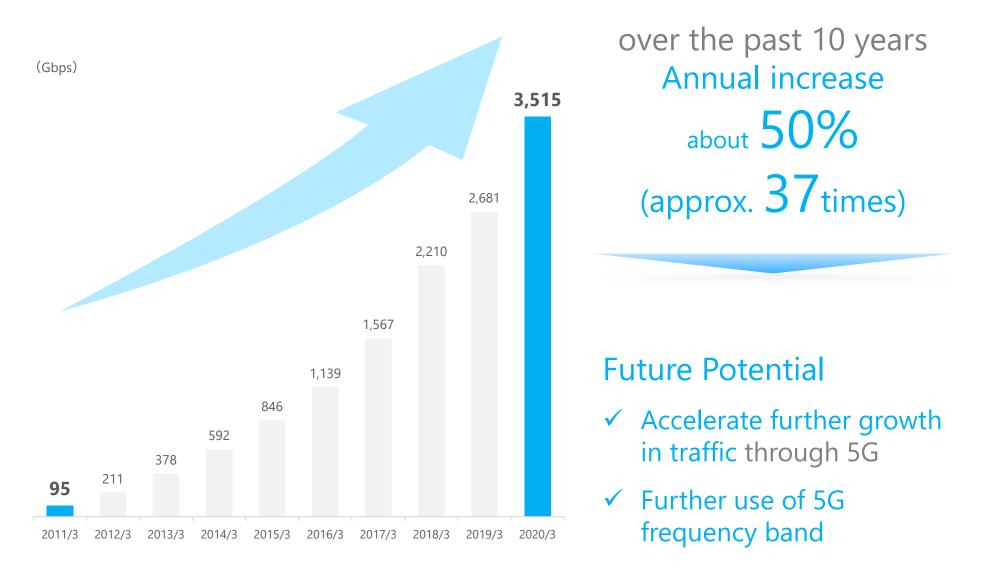
*1: As of September 30, 2018 *2: "Gbps" is defined as Gigabits per second. 1Gbps is equal to 1,000,000,000 bits per second Source: Ministry of Internal Affairs and Communications, Softbank



Note: "Radio-related industries" is defined as industries in which companies use radio in their main business "Radio-usage industries" is defined as industries in which companies use radio to enhance or streamline their services (excl. radio-related industries) Source: Mitsubishi Research Institute

Domestic IBS - Strategy for 5G -Transition in Mobile Communications Traffic*¹

JTOWER

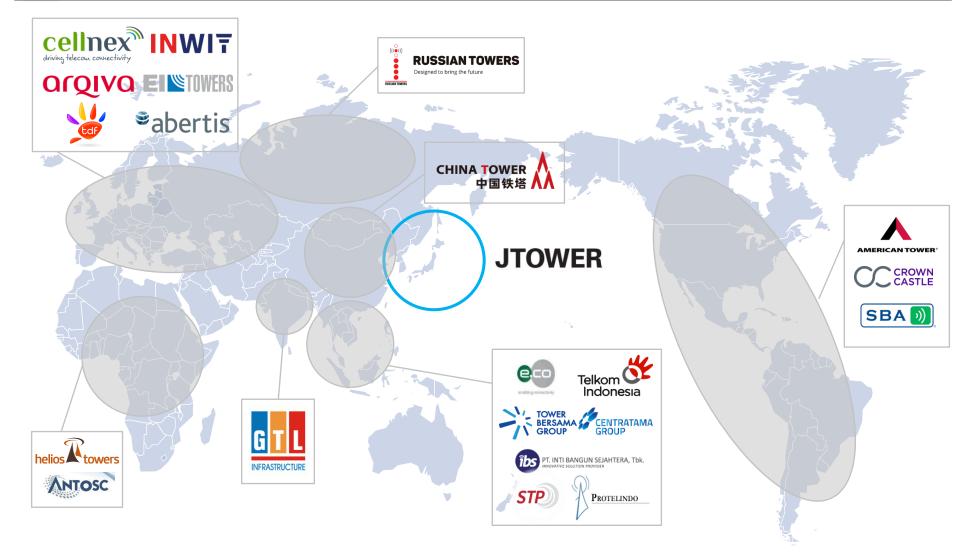


Source: Information and Communications Statistics Database of Ministry of Internal Affairs and Communications

*1: The average of monthly traffic (download)

6

6 Operating Areas of Global Tower Companies



Notes: Based on the announcement regarding main business operating area by each global tower company Source: Company Materials

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Infra-Sharing Services from Japan Lead the World

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