

Shaping Smart Cities

-Experience of UR, Japan-



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History of Urban Renaissance Agency (UR)

Transition of the Organization

1955

JHC

Japan Housing Corporation

1975

Land
Development
Corporation

1974

Japan Regional Development Corporation

1981

HUDC

Housing and Urban
Development
Corporation

1999

UDC

Urban Development
Corporation

2004



**Urban
Renaissance
Agency**

- Staff: **3,152**
- Capital: **10 billion USD**
(as of March, 2019)

Businesses in line with Policy Purposes

**Mass supply of
Houses and Residential Land**

**Improvement of Living Environment
and City Functions**

**Urban
Revitalization**

Economic and Social Situation of Japan

Rapid Economic Growth

Economy: from 1950s to 1970s

Population:

Population Bonus

Baby Boom
in 1970s

Events:

Tokyo
Olympic
In 1964

Steady Economic Growth

from 1970s to 1990s

Privatization of
Japan National
Railway in 1987

Great Hanshin-Awaji
Earthquake in 1995

Population Peak
in 2010

Maturation Period

from 2000

**Declining Birthrate
and Aging Population**

Great East Japan
Earthquake in 2011

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Business fields of UR in Japan

Urban Renewal

In cooperation with private businesses and local authorities.

- To coordinate Vision, Planning and Conditions
- To join the project as a partner



New Town Development

Safe and comfortable life in the suburbs

- To advance safe, secure, and eco-friendly city building coping with aging population and lower birthrate
- To realize attractive suburban life or local living



Rental Housing

Manages and provides rich living space.

- To manage rental housing through cherishing trust relationship with 720,000 units
- To promote to live in the urban center, to secure stable rental housing for elderly, to improve child care environment.



Disaster Restoration

Supports reconstruction and installs preventive function.

- To promote building disaster resilient urban area



Our Achievements



New Town
292 projects
44,000 hectares



Housing
1.58 million units

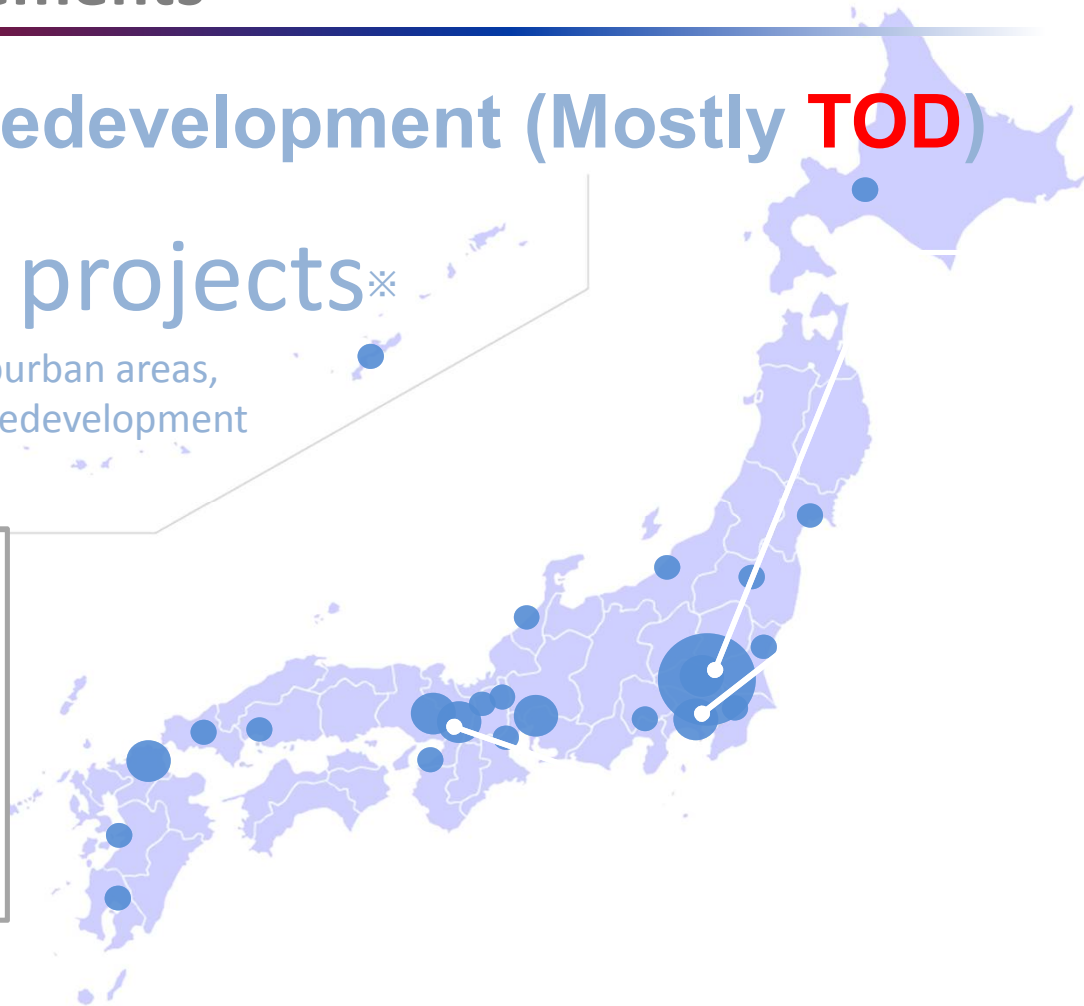
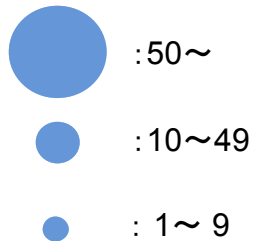
Our Achievements

Urban Redevelopment (Mostly **TOD**)

253 projects※

※Except for Suburban areas,
and Disaster Redevelopment

Number of projects



Representative Projects

Otemachi



Minato Mirai 21



Umekita



6 Elements for Smart Cities



Smart Cities
for Better Life



Mobility **Safe**
New Technologies
Decarbonization **Better Life**
Risk Reduction
Multi Generation **Sustainable**
Competitive Communities
Easy Access
Productive **Vivid**
Empowering Women

Smart Cities for Achieving SDGs

Advantages of Smart City in Japan

Along with its long history and distinctive culture, Japanese cities have realized high Quality of Living by maximizing the potential of limited space, including underutilized urban spaces. Japanese cities face national challenges such as an aging population and limited living space. Smart city elements are structurally woven into Japanese societies. Smart cities that have integrated various urban functions and enabled effective management of urban resources through the use of information technologies.

✓ Comprehensive plan based on people's activities

✓ Promote the use of public transportation and

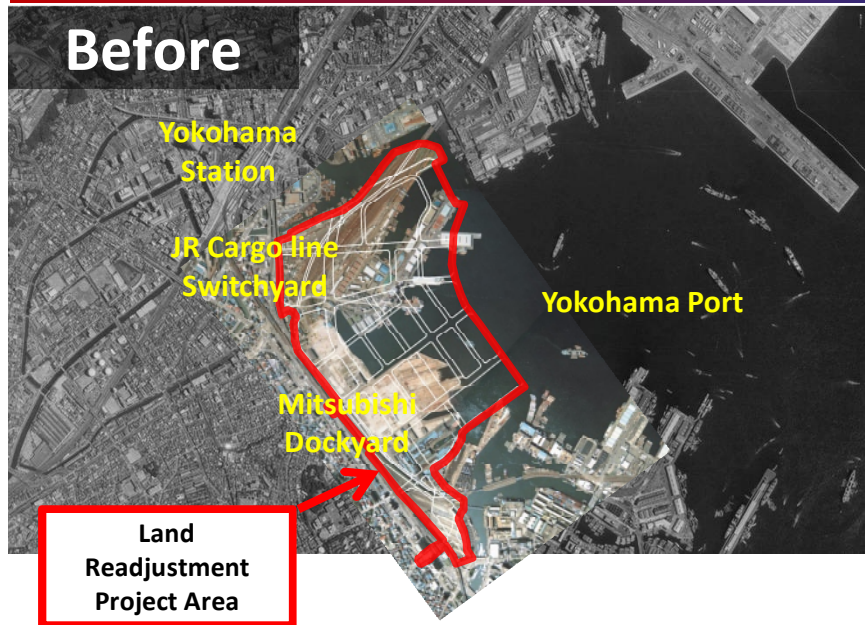
✓ Many people in the town and staying comfortably

✓ Flexible plan review to meet the changes in the various environment



Minato Mirai 21

Before



After

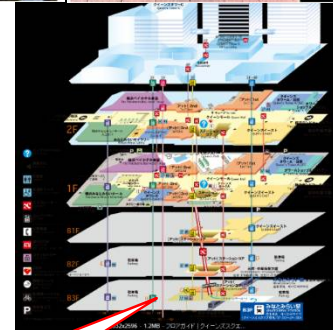
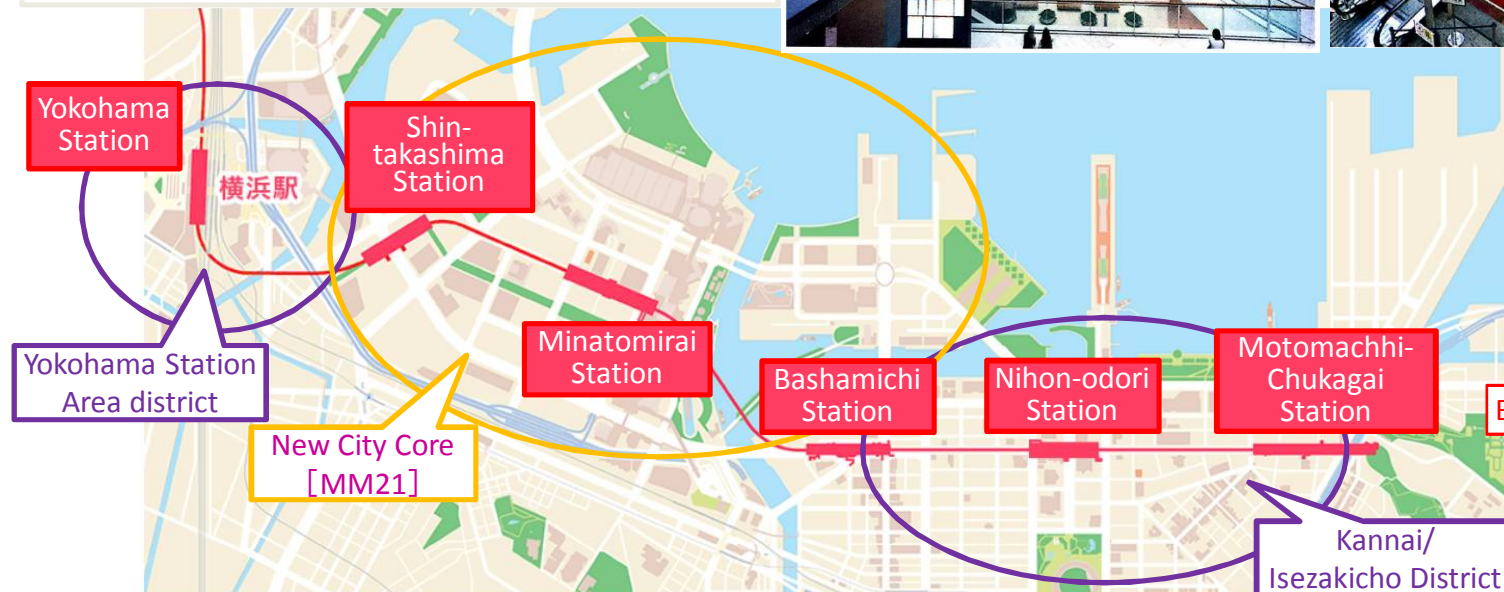


TOD: Rail Integrated Urban Development

MM21

Every stations has **800m** distance

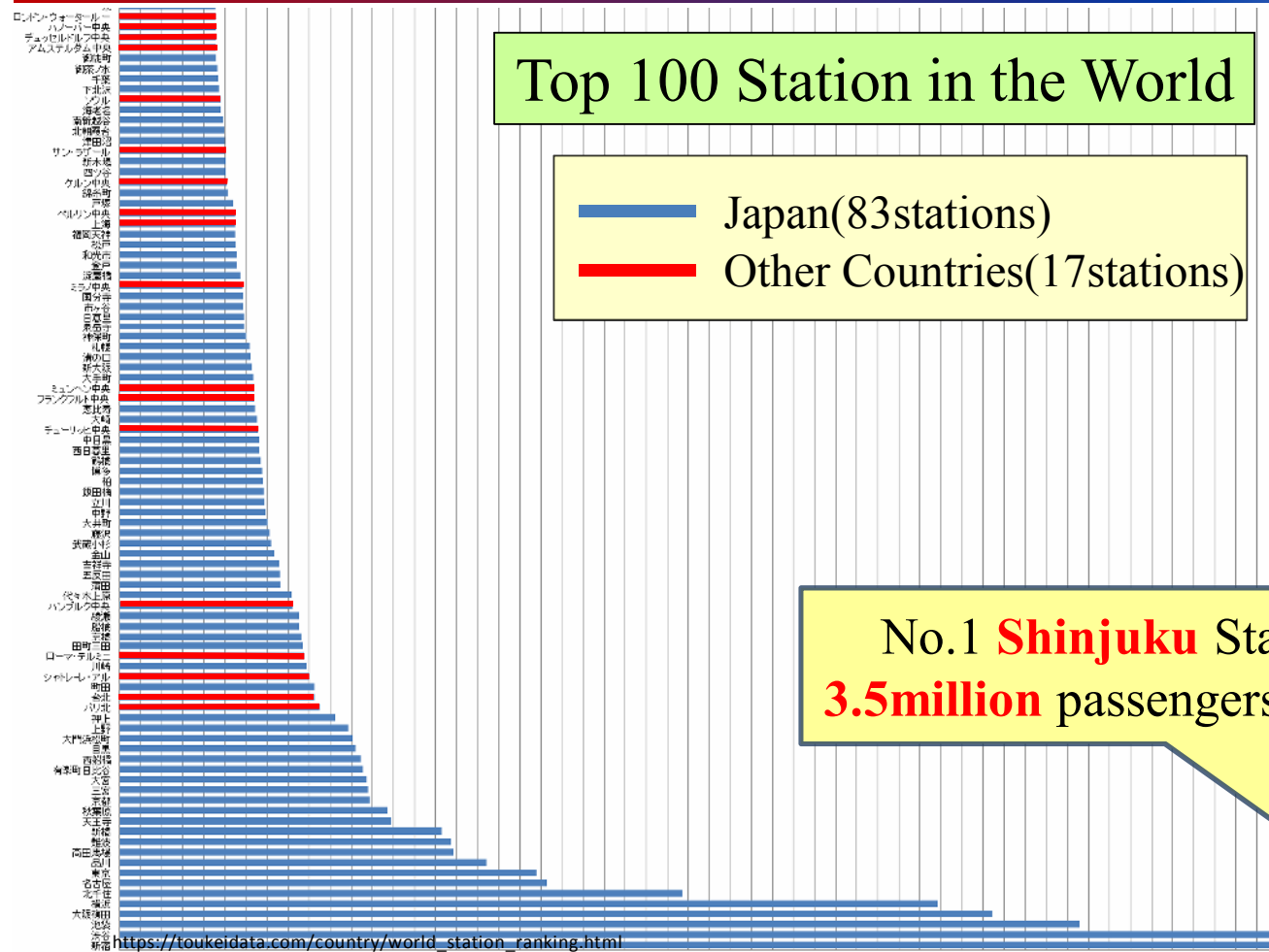
Direct access to the facilities and integrated station design enhanced visitor's experience



B4: Station



Transit Oriented Development in Japan



No.1 **Shinjuku** Station
3.5million passengers a day



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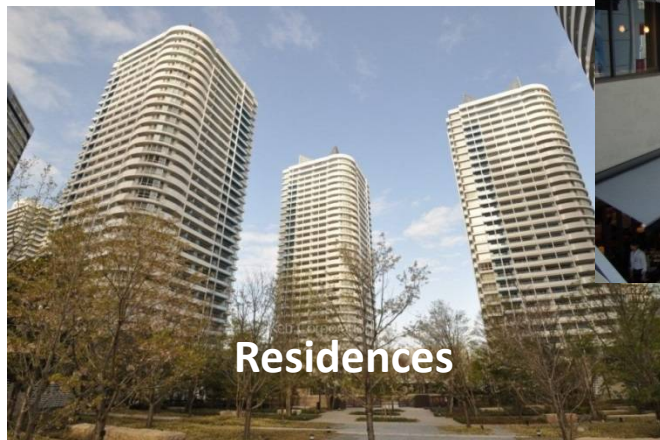


<https://thegate12.com/jp/article/119>

Walkable: TOD with Pedestrian Network & Bus Network



Synergistic: Mixed Use - Landmark, Office, Shops, Residence, Culture ...

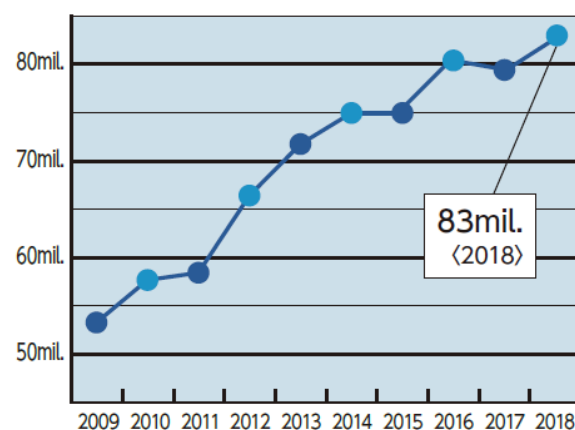


Project Results- Offices & Visitors

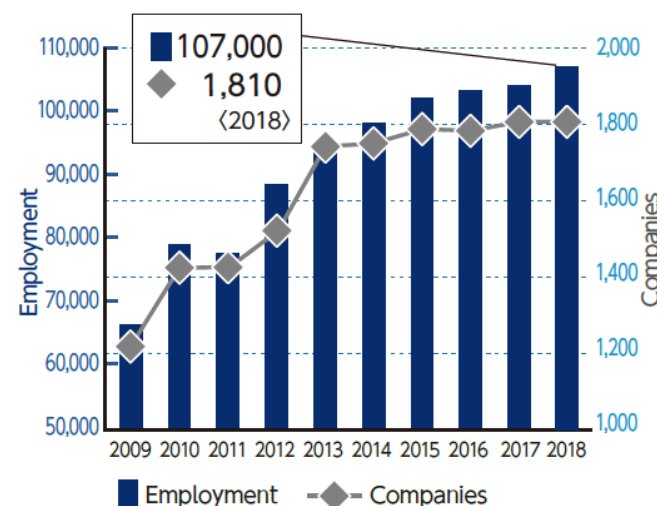
MM21

	2005	2018	Increase	Increase ratio
Employees	56,000	107,000	47,000	1.84
Number of offices	1,140	1,810	620	1.54
Number of visitors/ year	47,000,000	83,000,000	34,000,000	1.72

Transition of Visitors

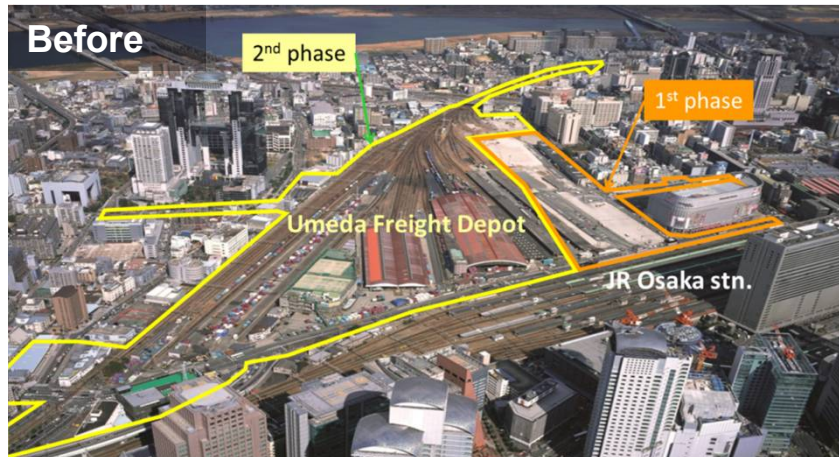


Transition of Employment and Companies



Source: Yokohama city and YMM(2017), YOKOHAMA MINATO MIRAI 21 Information

Umekita

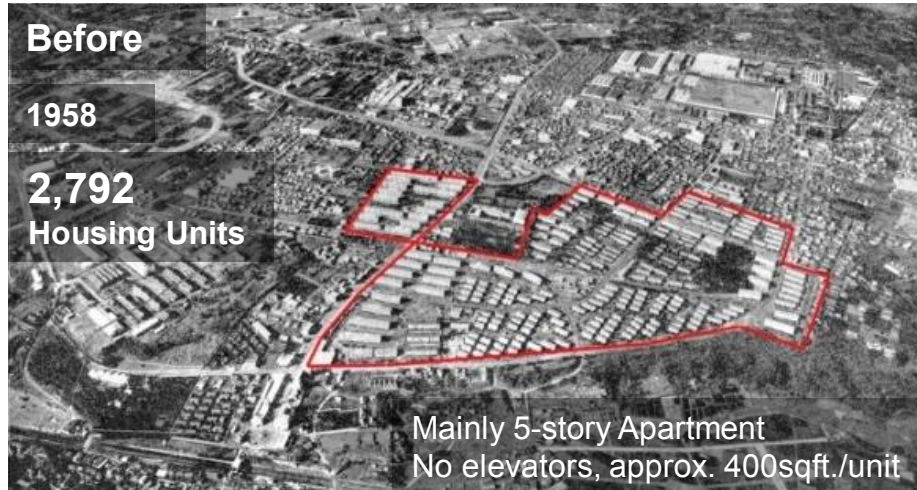


Tamadaira-no-Mori

Before

1958

2,792
Housing Units



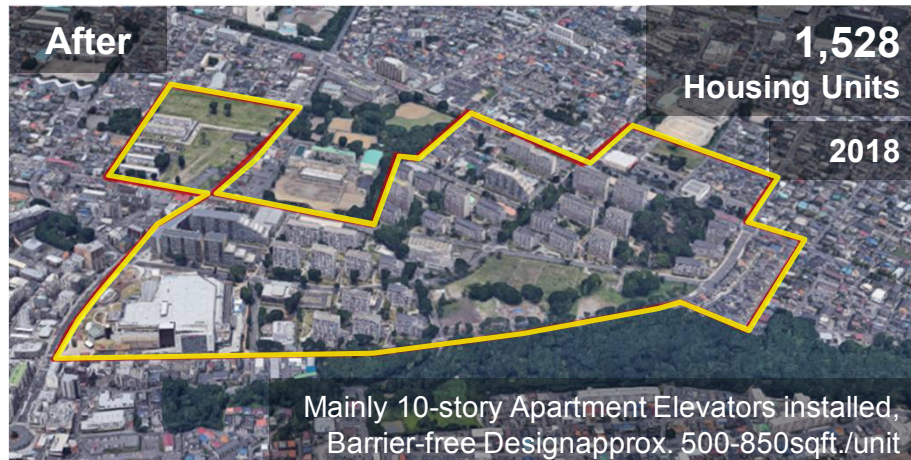
Mainly 5-story Apartment
No elevators, approx. 400sqft./unit



After

1,528
Housing Units

2018



Mainly 10-story Apartment Elevators installed,
Barrier-free Design approx. 500-850sqft./unit



What UR can do in your country?

Partner, Customer



- Survey work (F/S etc.)
 - Development of various plans
City Master Plan,
Area Master Plan,
District Plan,
Phased Development Plan,
etc.
 - Coordination between Partners
in your country
and Japanese Investors / Business
Partners
 - Providing Useful
Information etc.
 - Advisory service
 - Accepting trainees
 - Sending engineers
etc.
- Provide knowledge and know-how
acquired through extensive
experience in urban development
and housing supply in Japan.*

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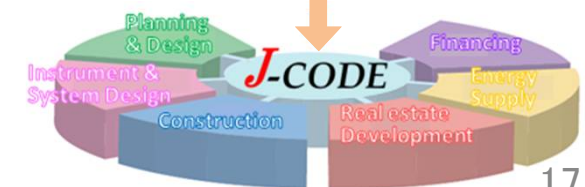


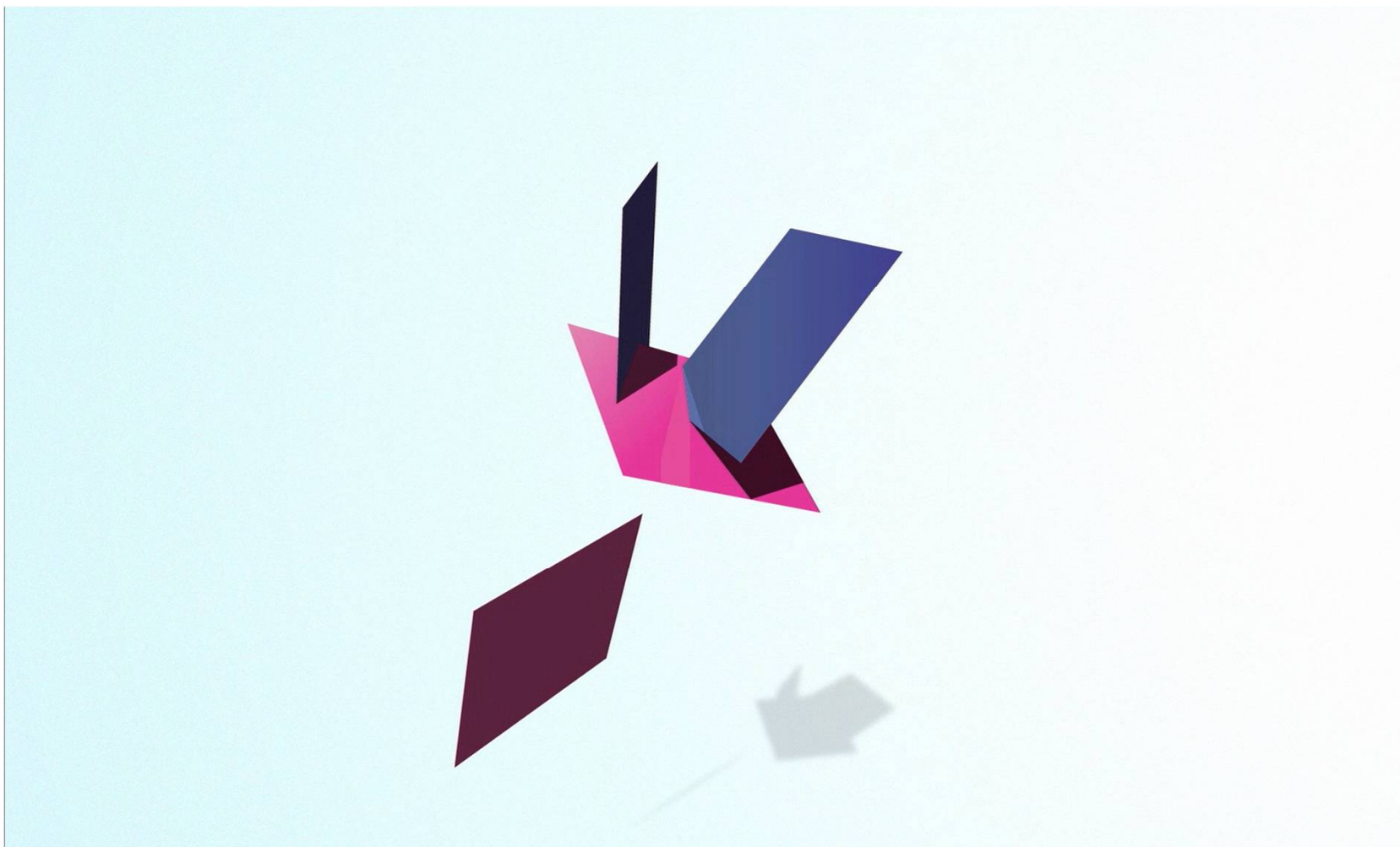
Japanese Investors



Private
Companies
(Investors)

Japanese Business Partners





Thank you for your attentions!

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