

An aerial photograph of the Osaka Bay Area, showing the city of Osaka and its surrounding islands and waterways. The city is densely packed with buildings, and the bay is filled with industrial and commercial structures. The sky is clear and blue, and the water is a deep blue color.

Osaka Bay Area

***~ Relationships between bay area
development and the city ~***

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**Port & Harbor Bureau,
Osaka City Government**

Oct.31, 2019

My speech will cover,

1. Outline of Osaka and our urban planning
2. Development of Osaka Bay Area
3. Global event in Bay Area



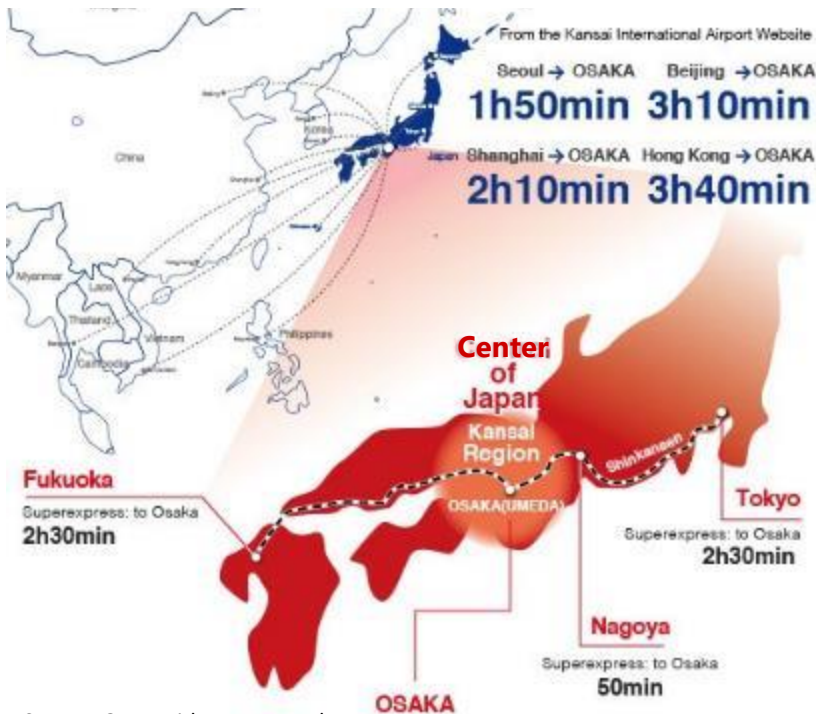
1. Outline of Osaka and our urban planning

- The Kansai region is located in the center of Japan.
- **Osaka City has the third biggest population in Japan.**

The Kansai region



Location of Osaka City



Prominent features of Osaka and the Kansai Region

21 million residents

Kansai's population accounts for 16% of Japan's total population
 Osaka city's population is about 2.7million.

2.5 million passengers

The railway stations in Osaka Station District are used by 2.5 million people per day.

30 minutes

It's only 30 minutes from Osaka to major cities such as Kyoto, Kobe and Nara without changing trains

60 minutes

Osaka city is accessible in 60 minutes by train or by bus from Kansai International Airport

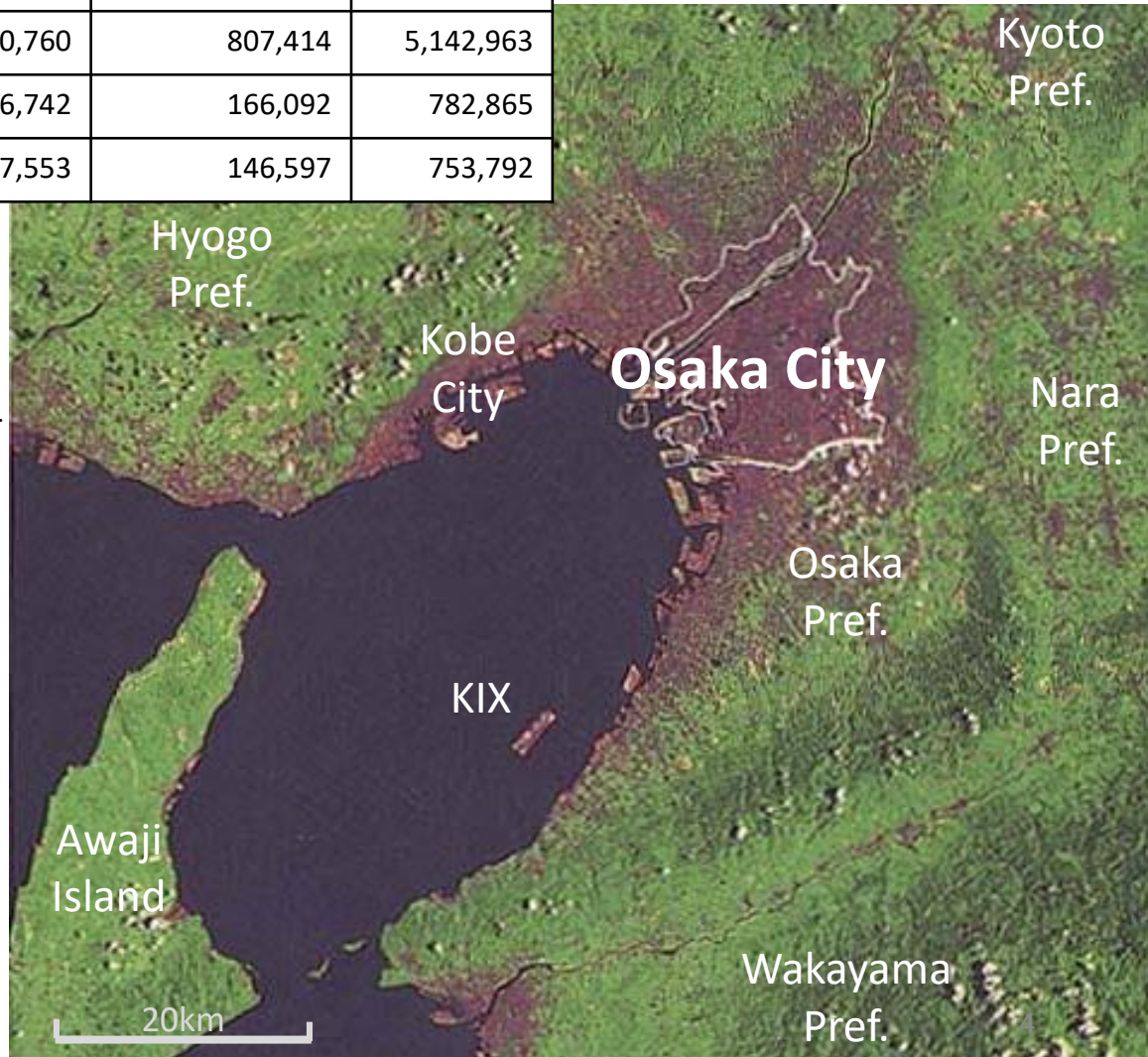
Source: Grow with UMEDA webpage

Osaka Metropolitan Area

items		Osaka City	Kansai Region	Japan
Population※1		2,724,007	20,598,181	126,493,181
Area (km2) ※2		225.21	27,351.24	377,973.89
Gross Product (Hundred million yen) ※3		190,760	807,414	5,142,963
Foreign Trade Value (Hundred million yen) ※4	Export	36,742	166,092	782,865
	Import	47,553	146,597	753,792

Sources

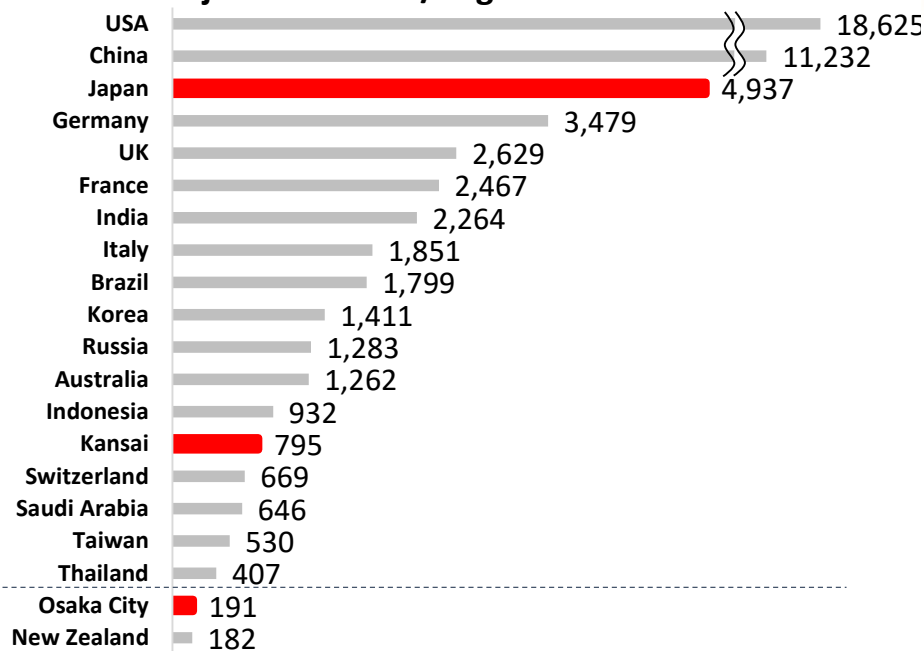
- ※1 Estimated population as of Aug 1, 2018;
the national population was estimated as of March 1, 2017.
- ※2 Nationwide area survey by prefecture and municipality
2017 (As of October 1)
- ※3 FY2014's GDP, Annual Report on Prefectural Accounts, and
Annual Report on Municipal Account The figures are nominal.
- ※4 Trades Statistics of Japan for 2017 (The figures for
Osaka City show the amount of trade handled at Osaka Port



Big Market and Economic Power

- The gross regional product (GRP) in the Kansai region reaches 795 billion US dollars.
- **Osaka City is the second biggest economic city in Japan.**

GDP Comparisons; World' Major Economies/Regions and Kansai



(Unit: billion US dollars)

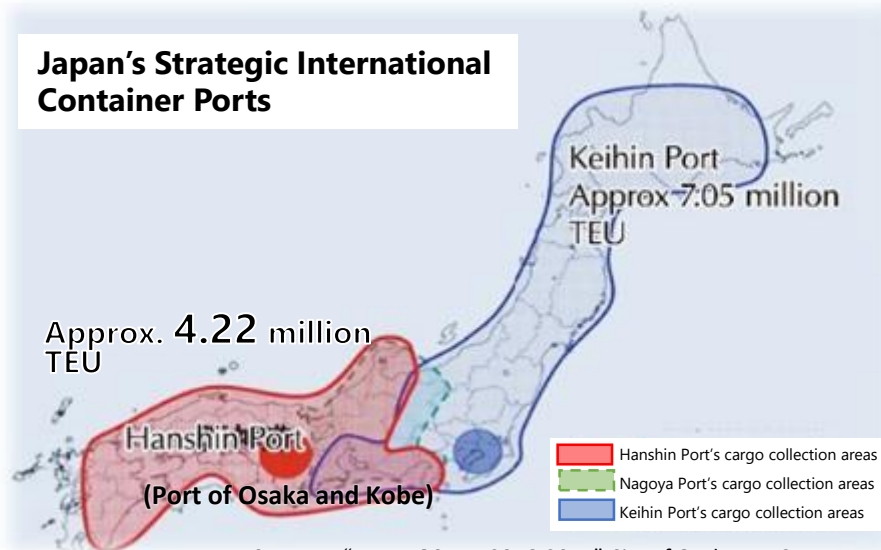
Source: "Invest OSAKA 2019", City of Osaka, IBPC

Port of Osaka



Container volumes (for international trade) and collection areas (2014)

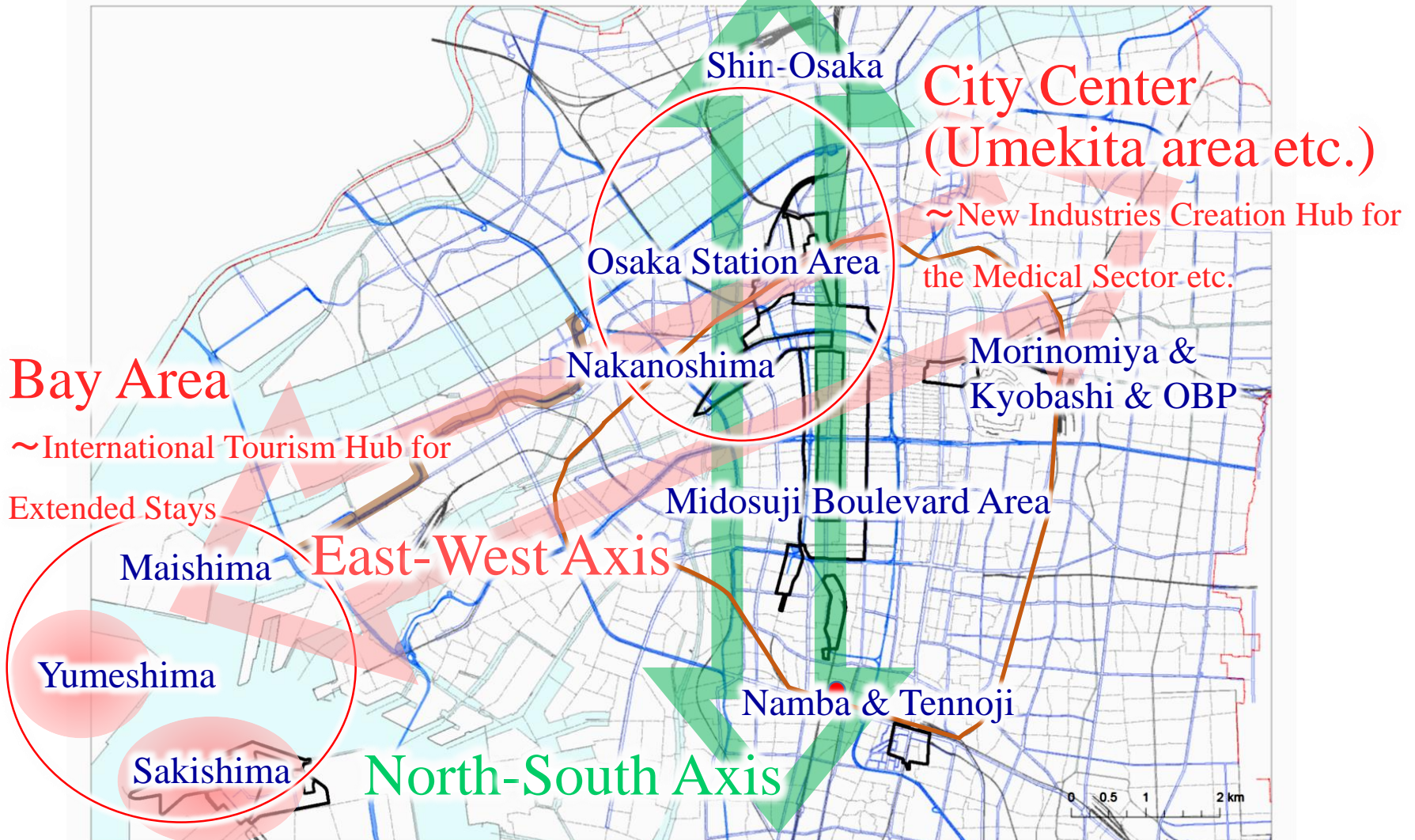
Japan's Strategic International Container Ports



Source: "Invest OSAKA 2016-2017", City of Osaka, IBPC

City Axes of Osaka City

An urban development vision to reinforce the existing North-South Axis, and to complement it with an East-West Axis that consists of iconic elements such as the bay area and Umekita.



The Urban Development Projects in Osaka City

- Many large-scale projects are presently underway in Osaka City.



Namba



Nakanoshima



**Umeda
(Osaka Station Area)**



**Osaka Business Park
(OBP)**



Bay Area



Osaka City

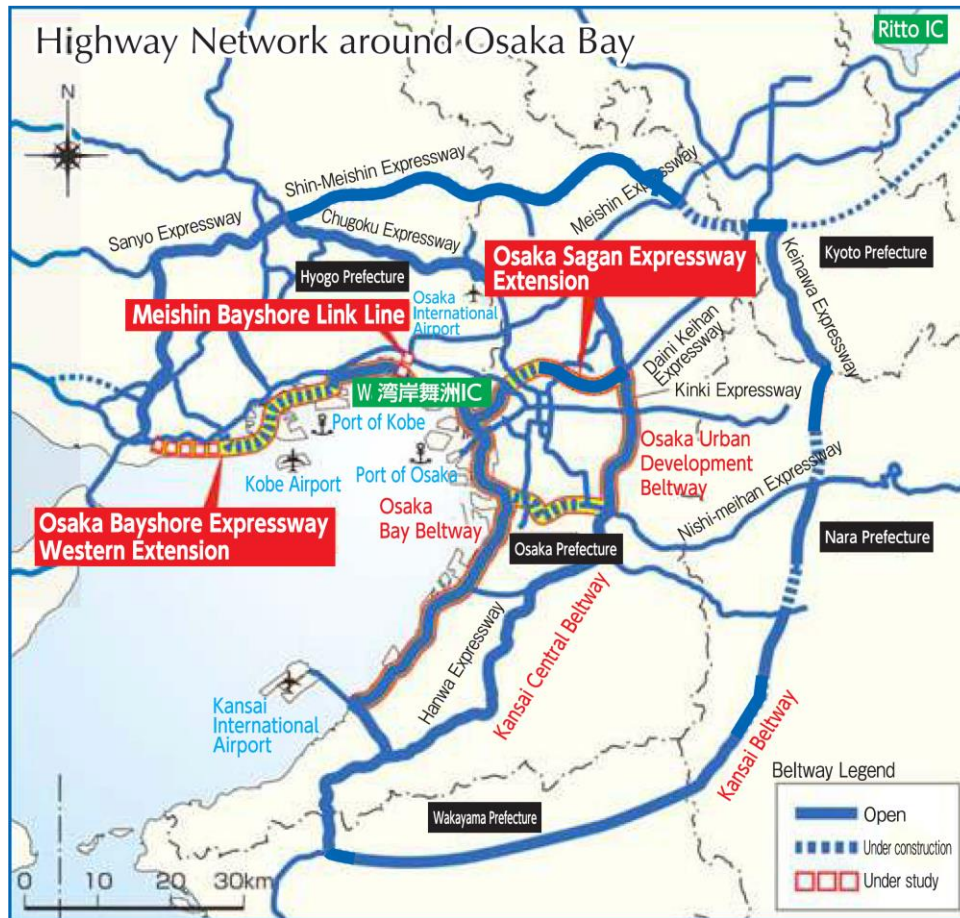


Tennoji

Highway and Railway Network

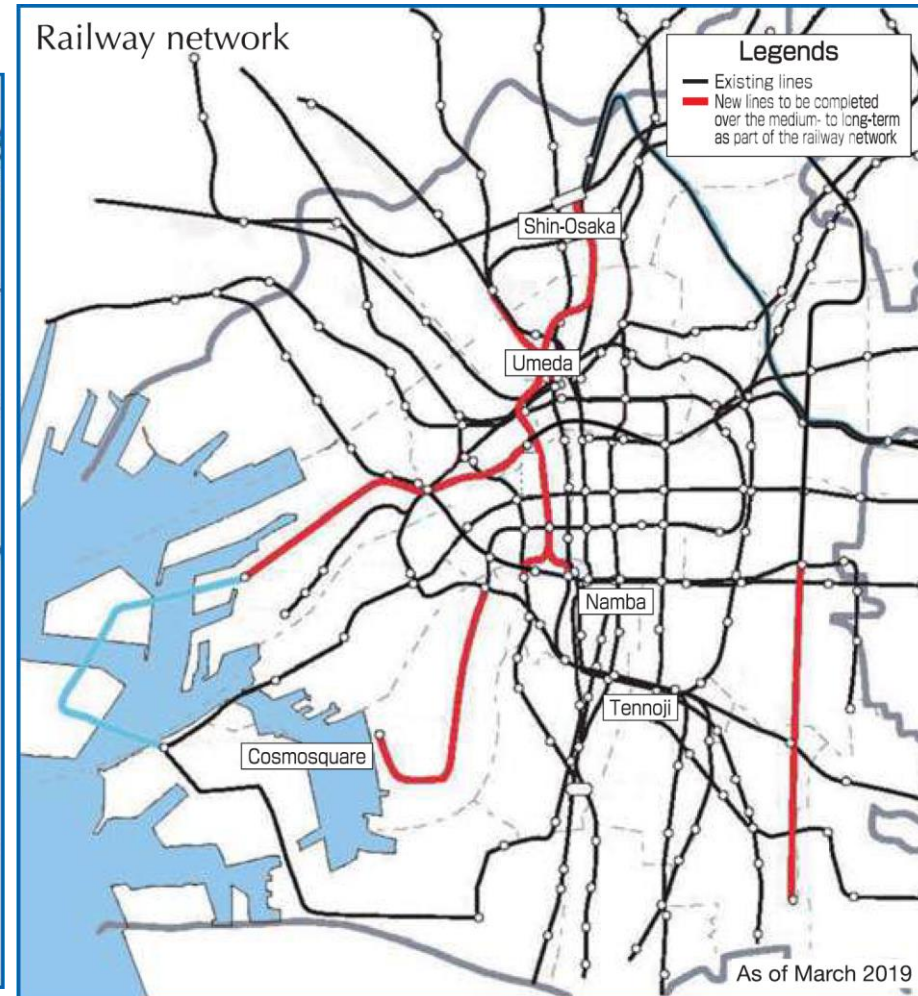
Highway Network

Highway Network around Osaka Bay



Railway Network

Railway network



2. Development of Osaka Bay Area

Sports Island

Sports and Recreation

Logistics / Environmental Functions
(Total area : 220ha)

Redevelopment of old
warehouses, transit sheds,
factories, etc.

Maishima

The Old Bay
Area

Yumeshima

Container Terminal
Industrial / Logistics
IR (Integrated Resort)
World Expo 2025
(Total area : 391ha)

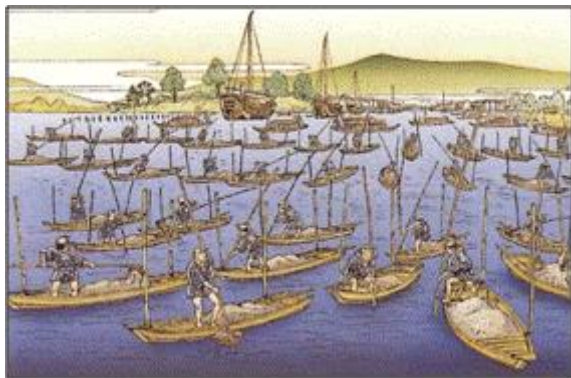
Sakishima

Intelligent, Advanced Business
R&D (Research and Development)
Commercial
Port Facilities
Residential
(Total area : 1,045ha)

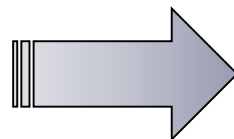
Objectives of reclamation

- method to “kill 2 birds with 1 stone” continued since Edo Period

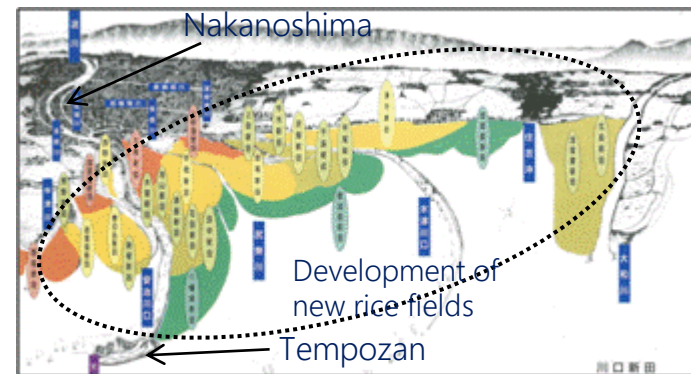
■ Edo Period (1700s)



Aji-gawa river dredging to maintain depth for convenience of vessel traffic



Aji-gawa's dredged soil was used to develop new rice fields



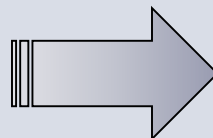
Development of new rice fields by reclamation of the sea

■ Today

Objective 1: Disposal of waste soil from public construction works (road construction, waterway dredging etc.) + effective use of large area



Public works (e.g. excavation for subway construction)



Disposal of waste soil + utilization of large area



Improvement of port function (maintenance of terminals)



Solution for urban issues (supply of good housing)

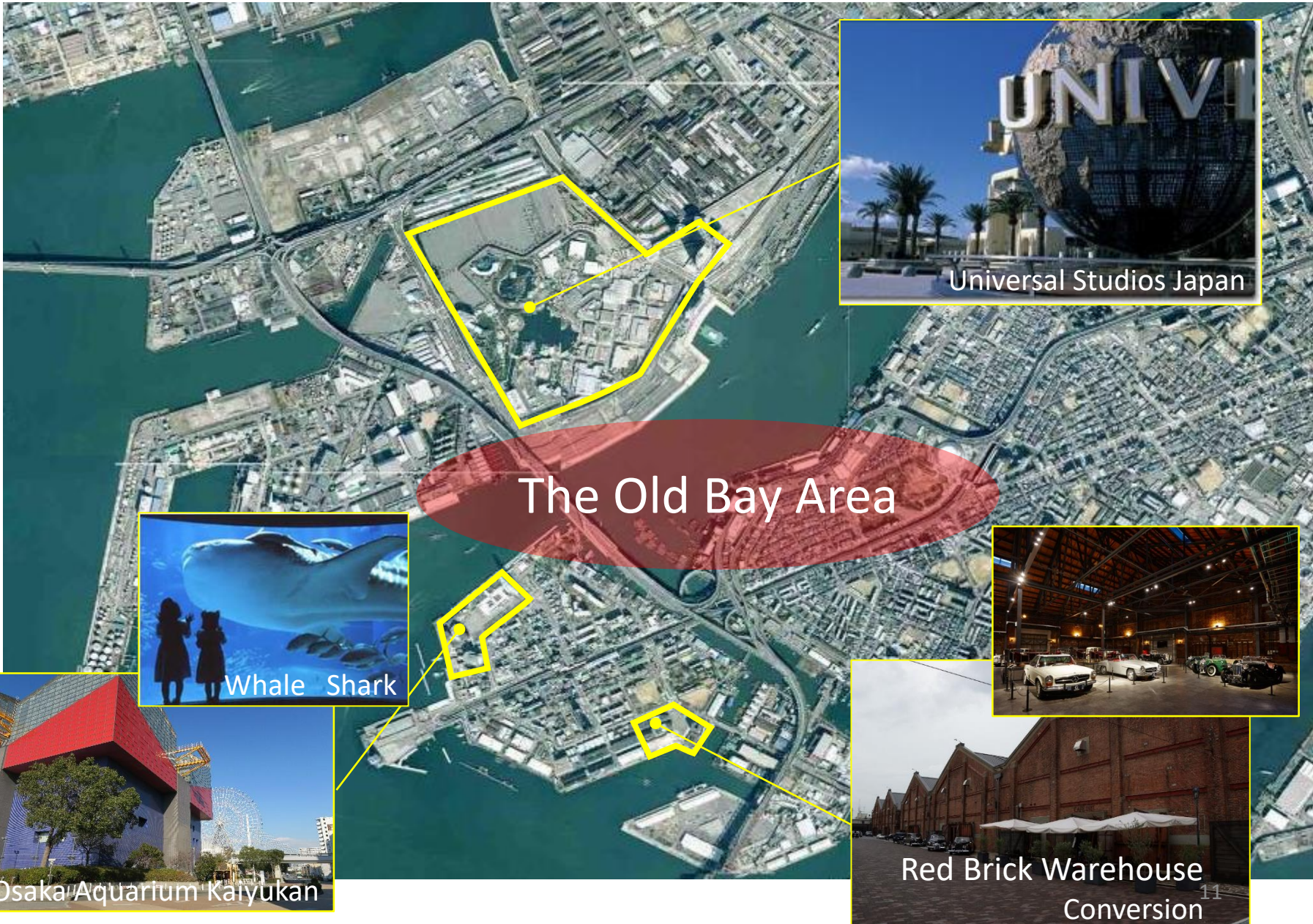
Objective 2: Waste disposal

Objective 3: Others (Securing of land for redevelopment/town development)



- Reclamation is, and will continue to be, necessary for disposal of waste soil from public works and dredging, as well as waste from everyday life of citizens.
- Former landfill sites are valuable source of land. It is difficult to secure land in other parts of the city.

The Old Bay Area

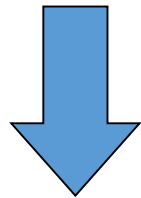


The Old Bay Area



Land Use Conversion in the Old Bay Area

Chikko (Tempozan) Area

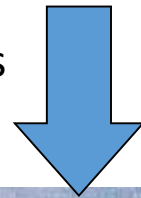


conversion of the warehouses
to the amusement facilities



**Kaiyukan Aquarium and Tempozan
Market Place, opened in 1990**

Konohana Western Area



conversion of the factories
to theme park



**Universal Studios Japan
opened in 2001**

Sakishima Area

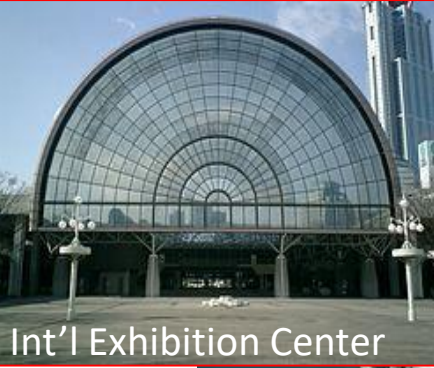
Cosmosquare

New City Center

(Intelligent, Advanced

Business R&D Commercial)

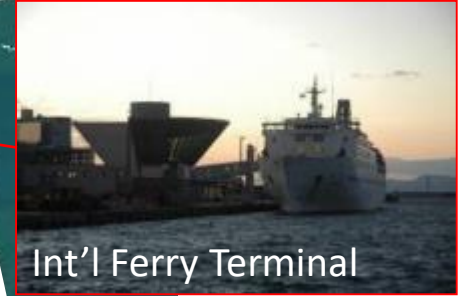
⇒ Total Visitors : 11mil. / year



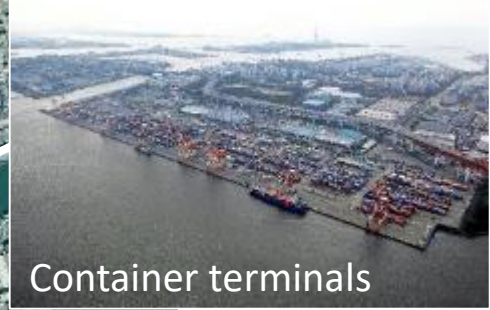
Int'l Exhibition Center



Sakishima



Int'l Ferry Terminal



Container terminals



Port Town

Automobile industry
Ironworks complex
(Relocate to Bay area
from Urban area)

Maishima Area



Maishima Arena



Maishima Baseball Stadium



Hotel Lodge Maishima



Sports & Recreation Zone

Disposal site

Maishima

Incineration Plant

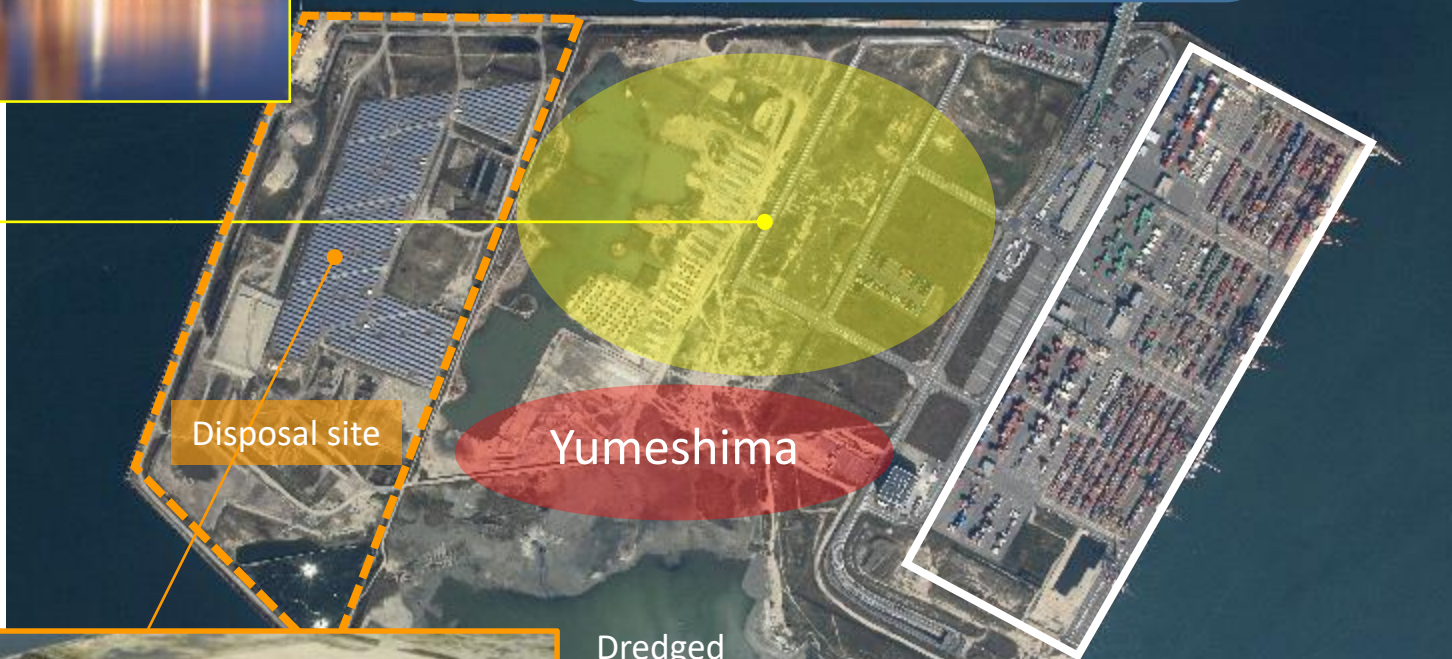
Logistics & Environment Zone

Sports Island
Maishima Baseball Stadium / Maishima Arena / Football Field /
Tennis Court / Outdoor Activity Center / Pottery Museum /
⇒ Total Visitors : 1mil. / year

Yumeshima Area for the Future



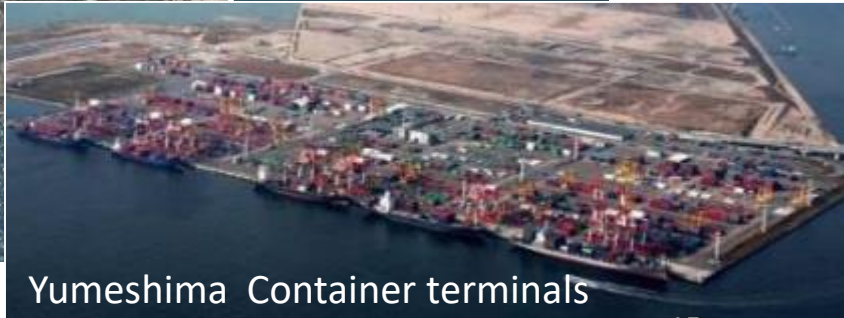
**Container Terminal
Industrial / Logistics
IR (Integrated Resort)**



Mega Solar Business



Dredged
waste soil



Yumeshima Container terminals

Yumeshima Area for the Future



3. Global event in Bay Area

【Venue】

- ◆ Yumeshima Island ; “dream island” in Japanese
- ◆ The proposed site ; 155 hectare

【Visitors】

- ◆ About 28 MILLION (total visitors)



Venue concept and design

【Key concepts】

- ◆ “Decentralization” and “dispersion”

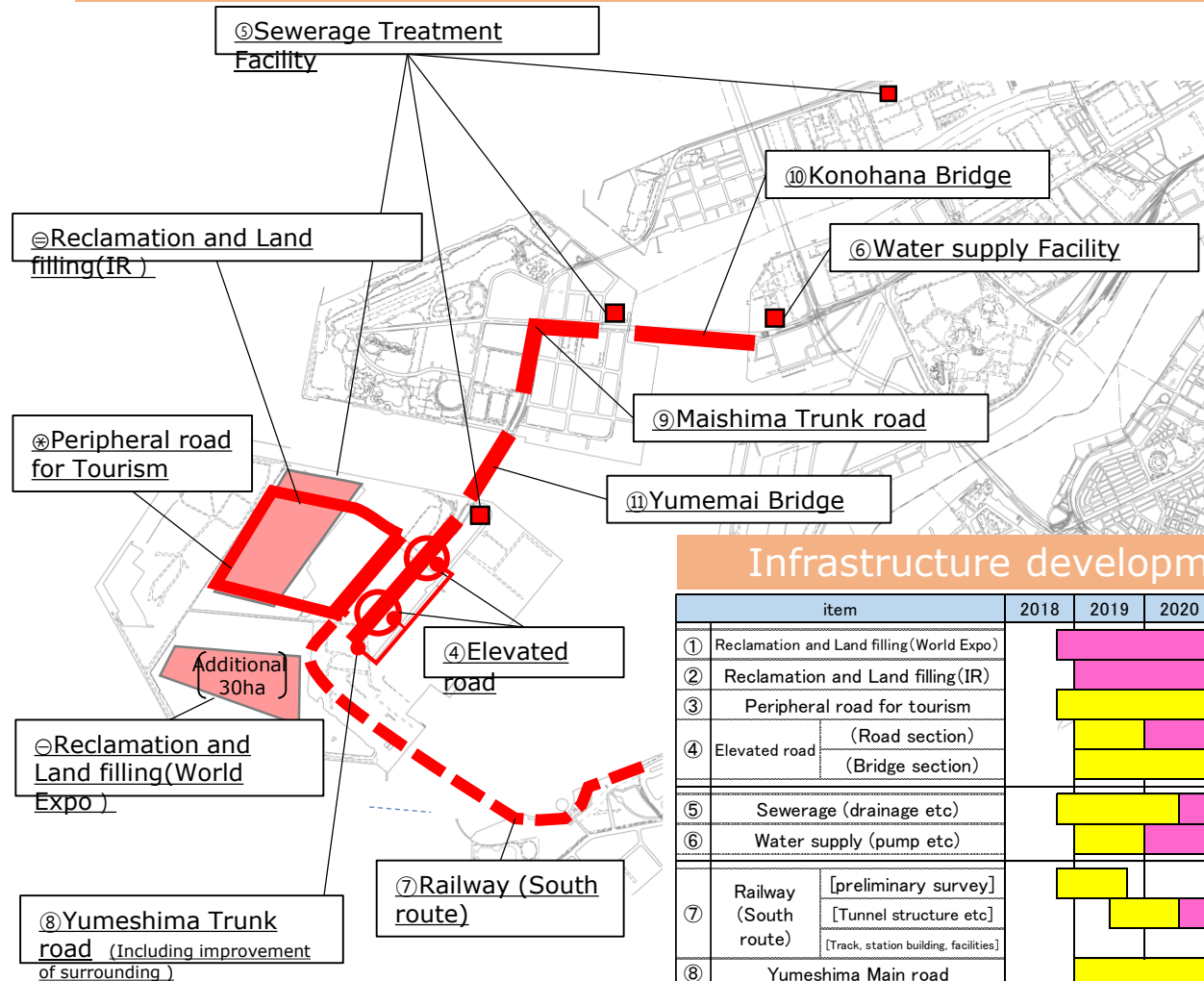
【The venue design feature】

- ◆ Dispersed facility arrangement, using “Voronoi technique”.



Future Plan for Infrastructure Development in Yumeshima

Infrastructure development map



Infrastructure development outline process (plan)

item		2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
①	Reclamation and Land filling (World Expo)		Design etc									
②	Reclamation and Land filling (IR)		Design etc									
③	Peripheral road for tourism		Design etc			Construction						
④	Elevated road		Design etc		Construction							
			Design etc			Construction						
⑤	Sewerage (drainage etc)		Design etc			Construction						
⑥	Water supply (pump etc)		Design etc			Construction						
⑦	Railway (South route)		Design etc									
			Design etc		Construction							
			Design etc				Construction					
⑧	Yumeshima Main road		Design etc			Construction						
⑨	Maishima Main road		Design etc		Construction							
⑩	Konohana Bridge (6 lanes)		Design etc		Construction							
⑪	Yumemai Bridge (6 lanes)		Design etc		Construction							



Thank you for your kind attention.

