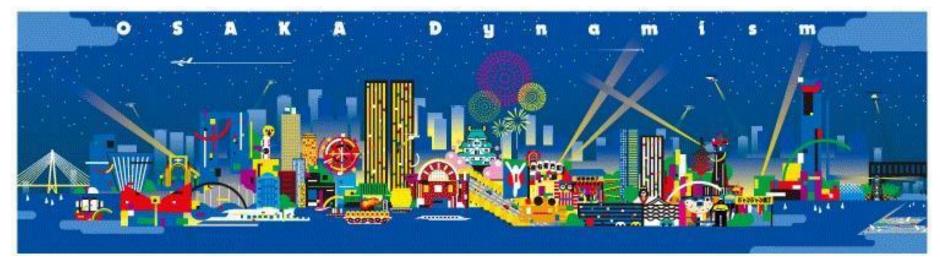
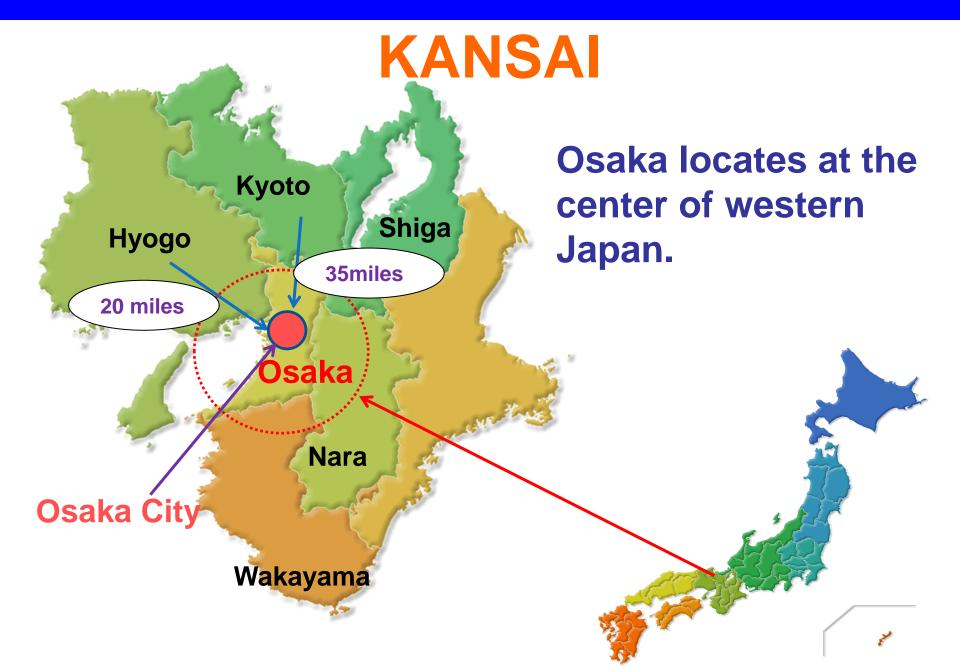
Osaka's High-tech Clusters and Market Potentials

September 2016

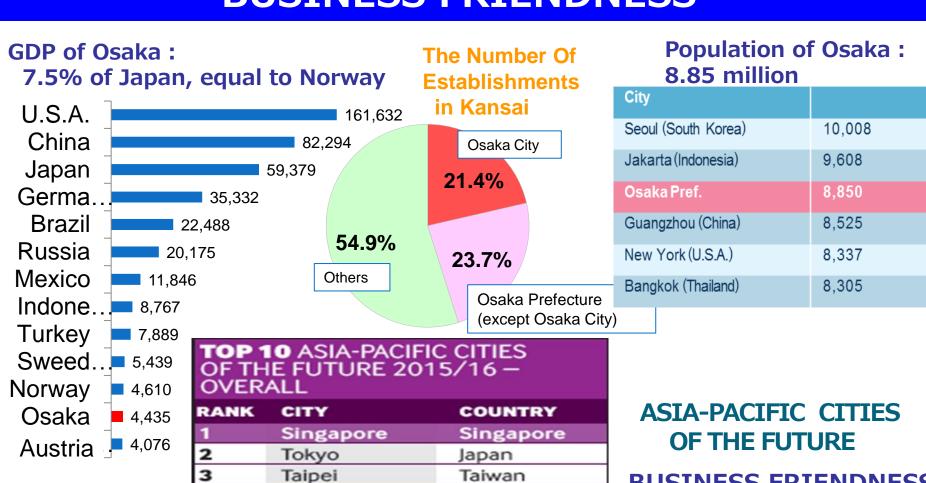




Location of Osaka



GDP & Population BUSINESS FRIENDNESS



Seoul

Beijing

Osaka

Sydney

Shanghai

8

10

Hong Kong

Kuala Lumpur

South Korea

Hong Kong

Malaysia

Australia

China

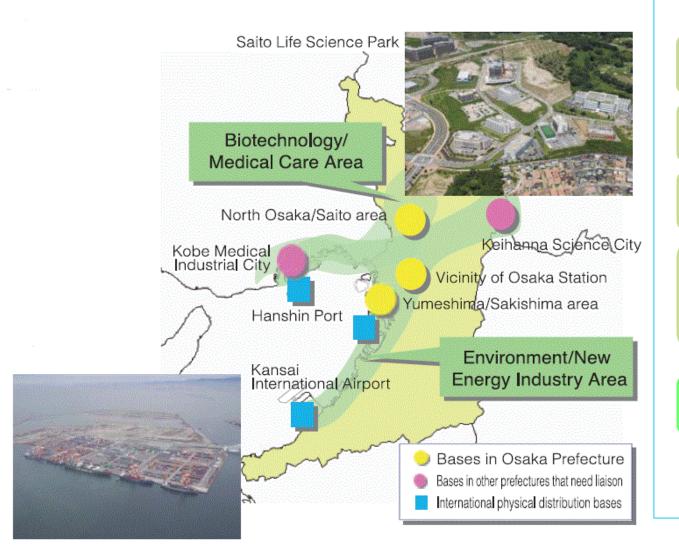
China

Japan

of Osaka
Osaka is ranked among
the world's top 10.

Special Zone

The Kansai Innovation Comprehensive Global Strategic Special Zone



6 important targets create the innovation

Pharmaceutical Drugs

Medical Device

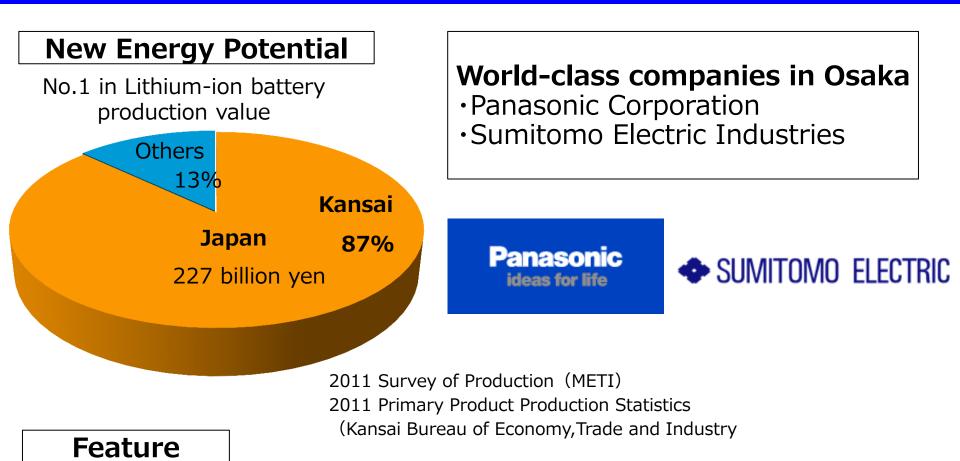
Preemptive Medicine

Advanced Medical Technology (regenerative medicine)

Battery

Smart Community

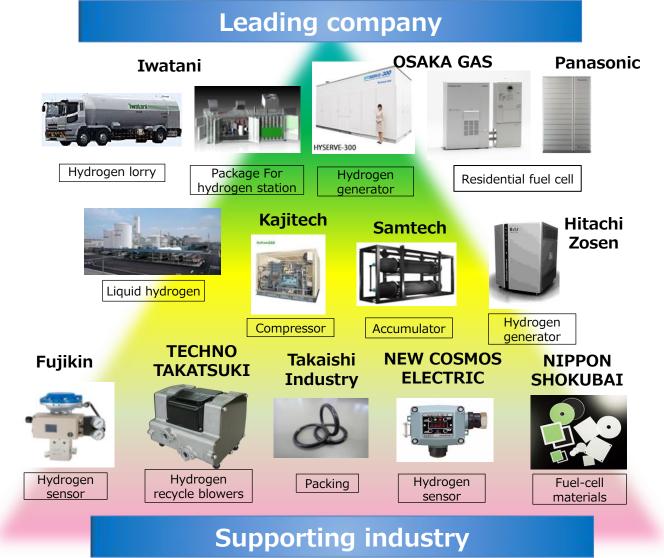
Potential of Osaka [Energy] (1)



In Osaka, there are a lot of enterprises that have important key technologies and gain a high market share in new energy industrial fields, Rechargeable Battery, Hydrogen and Fuel Cell. (See the following page)

Potential of Osaka [Energy] (2)

In Osaka, a lot of companies which have typical key technologies in hydrogen and fuel cell fields.



Quote: each company's web

Potential of Osaka [Energy] (3)

One of the World's Largest – "Testing and Evaluation Center for Large Storage Batteries" Completed in bay area of Osaka

 NITE* has built the world's largest testing and evaluation facility.

*The National Institute of Technology and Evaluation

Establish eco-system that provides necessary services for battery business



Source: provided by NITE

Potential of Osaka [Energy] (4)

KIX Hydrogen Grid Project @ Kansai International Airport



Experimental project of fuel cell forklift



Hydrogen station at Kansai int'l airport

Nation's First Largest Fuel Cell @ Osaka Central Wholesale Market



- Disaster-Resistant
- provides 50% of electricity needs
- ■30% CO2 reduction compare to the previous year

Potential of Osaka [Energy] (5)

Open Innovation Event (September 5, 2016)

Invite leading companies from Canada and UK.

Osaka chamber of commerce



International Conference (September 6-8, 2016)

- Future perspective of Osaka as a New Energy Society.
- Cutting-edge lectures
- Great opportunity of Networking

Osaka Prefectural Government



Delegation Event (November 13-20, 2016)

Business delegation to Canada and US.

Osaka chamber of commerce



Ask Osaka about business on Battery, Hydrogen / Fuel cell in Japan.

Potential of Osaka [Energy] (6)

Osaka Business Delegation of Hydrogen and Fuel Cells to North America

OSAKA GAS

SOSAKA GAS

ENE-FARM (home use fuell cell)
Hydrogen Station (commercial use)

Hitachi Zosen Corporation



HydrogenGenerationSystem

Iwatani Corporation



Total solution for hydrogen station

Fujikin Incorporated



 High-Pressure
 Flow Control
 Valve for H2
 for hydrogen
 station

Potential of Osaka [Energy] (7)

Osaka Business Delegation of Hydrogen and Fuel Cells to North America

FIS Inc.



- Hydrogen leak Sensor for Fuel Cell Vehicle(Toyota MIRAI)
- Hydrogen leak Sensor for Hydrogen
 Station

KAJI TECHNOLOGY CORPORATION



KAJI TECHNOLOGY CORPORATION

Hydrogen Compressor for Fuel
 Cell Refueling Station

Takaishi Industry Co., Ltd



O-rings for hydrogen station

Potential of Osaka [Innovation](1)

Umekita 2nd Phase



Potential of Osaka [Innovation](2)



Energy

Healthcare

Environment

Potential of Osaka [Innovation](3)

G-ONE INC. Nishi-tenma, Kita-ku, Osaka-shi

Ripple Light:

a color-customizable LED wristband controlled by radio waves.

feature: making it easy to find the right color for any event.

ex)concert:

its LED colors can be pre-programmed to change and shift with music





SMART VALUE



Services:

web design, software, data centers, mobile applications

CIEMS:

- an IT service designed for automobiles
- a car navigation system for safe driving

Utsubo-honmachi, Nishi-ku, Osaka-shi



Potential of Osaka [Innovation](4)

WESTUNITIS

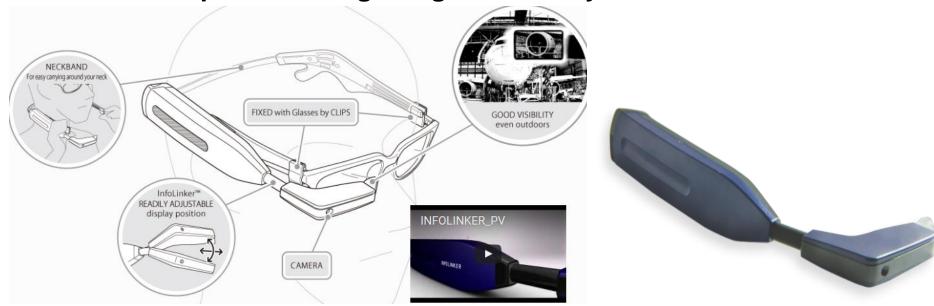


Ofuka-cho, Kita-ku, Osaka-shi

Services:

consumer electronics and hardware production Wearable computers:

allowing users to access training and educational manuals/videos and enterprise solutions that offer product-integrating software systems



Support by Osaka

Osaka Prefectural Government

- ► Subsidy for Investment Promotion
 - Subsidies of up to ¥50 million for companies constructing or renovating factories or R&D facilities in designated zones within Osaka
- ► Real Estate Acquisition Tax Breaks
 - Real estate tax breaks for the acquisition of land and buildings in designated zones within Osaka

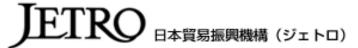


provides comprehensive support for foreign companies that wish to set up new business in Osaka

- •Introduction of agencies handling application for status of residence and other registration
- Introduction of experts on social welfare, salary and tax
- Offering information on marketing and office space

Temporary Office Space

Office space which foreign companies considering doing business in Osaka



IBPC Osaka

Investment Promotion Project

7 offices up to 6 months (in principle)

3 offices up to 50 business days

Attraction of Osaka

Kansai International Airport



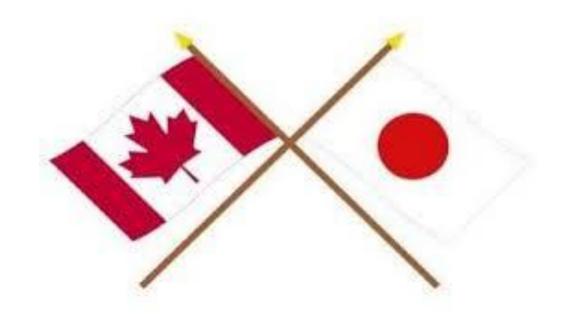




There are many
Japanese-style restaurants
ex) Nadaman Osaka



Thank you for your attention





http://www.pref.osaka.jp

TEL: +81-6-6210-9502 FAX: +81-6-6210-9296

E-mail: kokusaikeizai@gbox.pref.osaka.lg.jp