

Dr. Susumu Maruno Director General



RDMM Promotion Center Public foundation of Kansai Research Institute

History of Keihanna Science City



Established by the 1987 Construction Promotion Law for Kansai Science City, a vast 15,000 hectare area has been developed for the Keihanna Science City

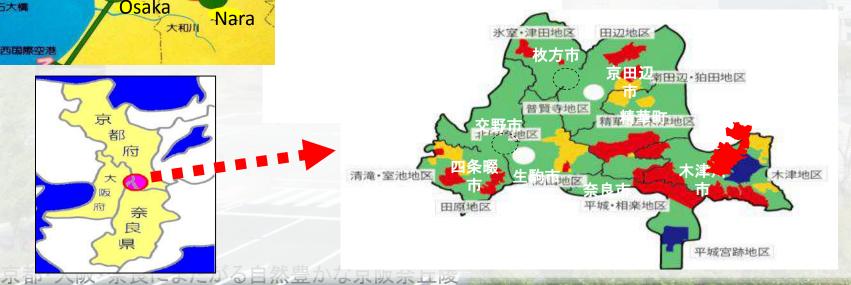


The Keihanna Science City stretches over the verdant hills of the

Kyoto, Osaka, and Nara prefectures

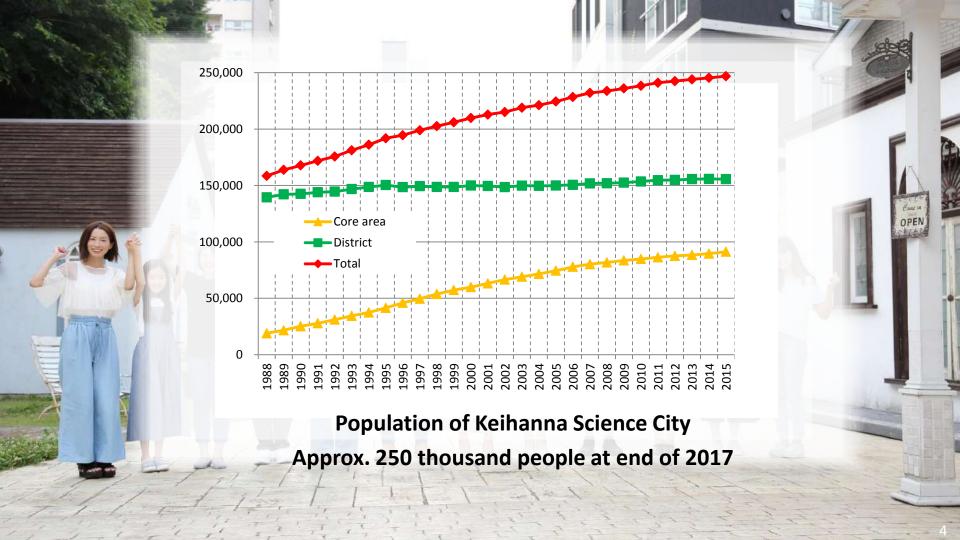
Total Area 15,000 ha

Developed for facilities 3,600 ha(12cluster)

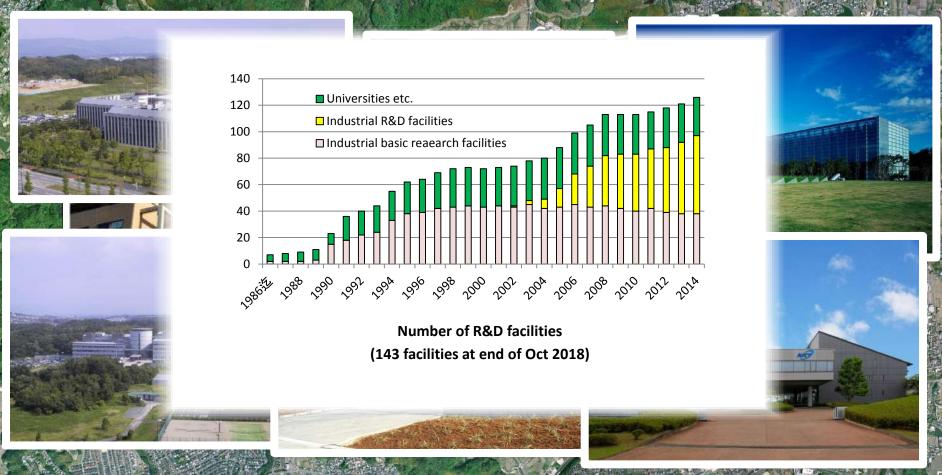




けいはんなプラザ西から現況写真



Keihanna Science City Now



Potential of Keihanna Science City

- National Strategic Special Zone
 - providing platforms for demonstrating experiments, like smart car test drives and drone test flights.





- Collaboration with public organizations
 - → National Diet Library, AIST, NICT, ATR, NTT, Kyoto prefectural office
- Collaboration with universities
 - → Osaka University, Kyoto university, Kyoto prefectural University, Nara Institute of Science Technologies, Doshisha University, etc.
- Creative Keihanna Community
 - Experiments with resident participation



Establishment of a Hub organization for open innovation and Industry, Gov't and Academia Collaboration

Public Foundation of Kansai Research Institute





RDMM Promotion Center



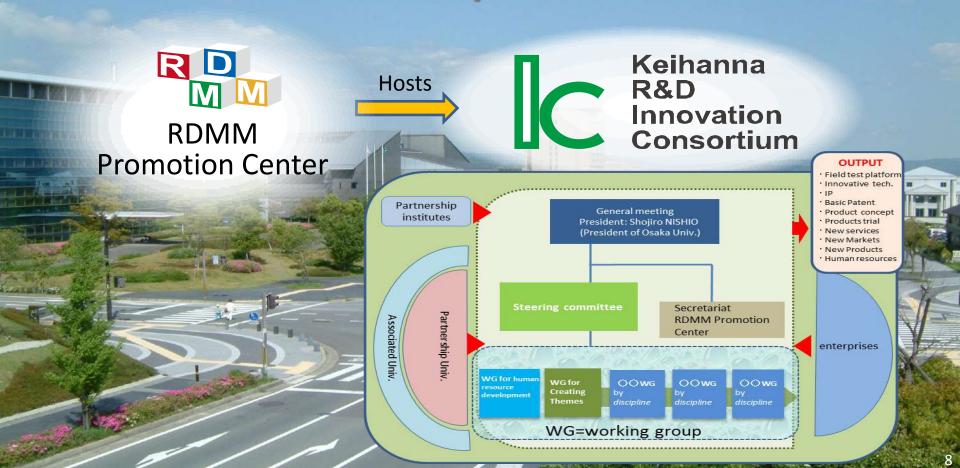
The RDMM promotion center is a hub organization for open innovation and collaboration among various enterprises, universities and public institutes. The objective of the center is to speed up the creation of a smarter and more prosperous society through the development of new industries and communities. RDMM stands for Research and Development for Monodzukuri through Marketing.

The RDMM Promotion Center hosts the Keihanna R&D Innovation Consortium



Utilizing unique resources of the Keihanna Science city Speeding up an early stage R&D with design thinking methods Adjustment of Interests and IPs among corporations and organizations Global human resource development

Platform for open innovation



Current Members (Excluding Chairs) and WG Activities (As of September 2018)

- ☐ 2 core institutions, 71 companies (4 in KICK), 11 cooperating facilities, and 12 experts from universities: total of 96 members
- ☐ Currently 40 members (about 60 people) take part in WG activities in fields they are interested in 4 main WG which promote creation of joint R&D projects.



Agriculture/Foods ——— Health —— Mobility/Energy New Theme Creation •









Global human resource development

Also, a global human resource development WG started for providing practical education programs and seminars to the members.



Resident Supporters' Organization "Club Keihanna"

IVIIssion: To reflect local residents' opinions and creativity in R&D, industrialization, and community building







New products/business plans

Community-building project

business ventures

•Turning R&D into new

Companies, universities, research facilities, and government





Hub for Future Mobility R&D Formed



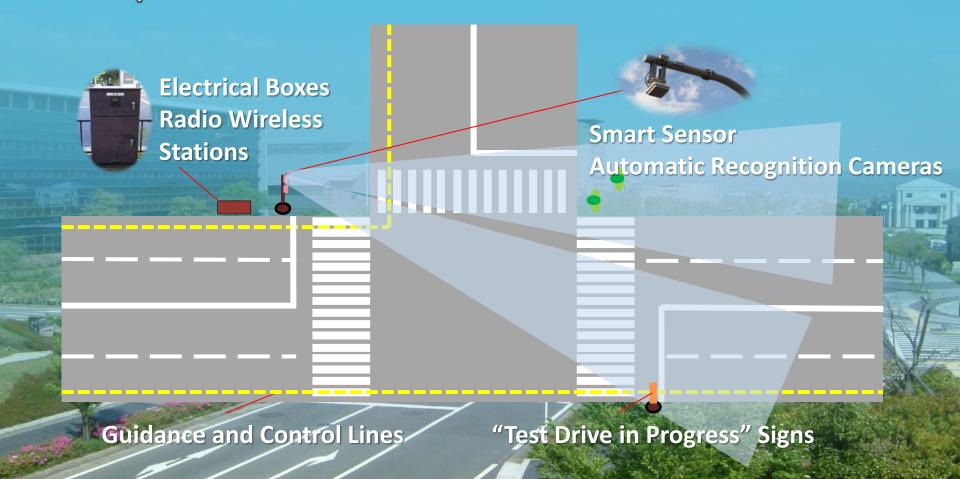
Keihanna Public road Experimental Platform (K-PEP) Created

Examples of Companies' Shared Experiments



Every company shares roads, facilities, and equipment to raise cost-effectiveness, the first experiment platform of its kind in Japan

Examples of Shared Public Roads and Facilities



Equipments in KICK and Other Facilities

Roads for Test Drives

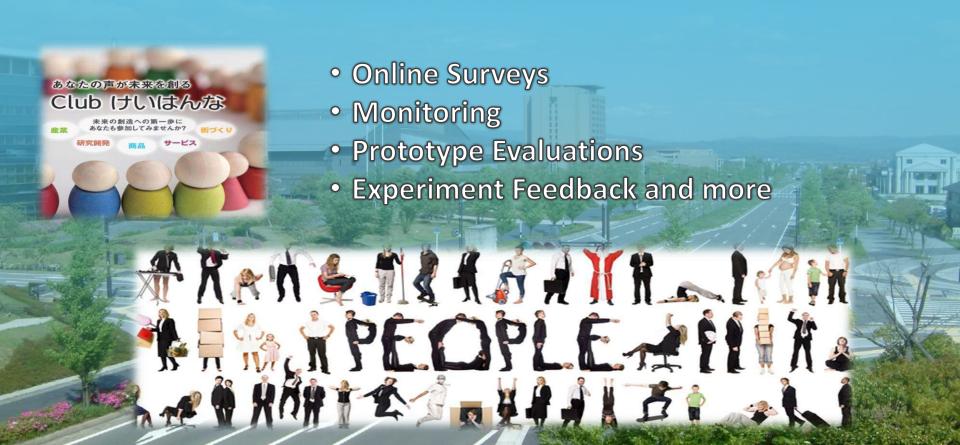




Coordination with Government Agencies, Police, Municipalities, and Local Area



Resident Collaboration from Club Keihanna



Collaborative Innovation & Industrialization among Science Cities of ASEAN, IORA and Japan, Keihanna Science City

Global Partnerships of RDMM promotion center

- ☐ Collaboration with Science and Technology Park Chiang Mai University (CMU STeP) and Northern Science Park in Thailand.
 - •considering improvement of performance in the construction of experiment spaces and R&D related to IoT, automatic driving and agriculture etc. (MOU signed on Sep, 2017)



- considering collaborating in the fields of urban science,
 IoT, security and mobility (MOU signed on Sep, 2017)
- ☐ Collaboration with the world-famous electronics producer imec (Inter-University Microelectronics Center) in Belgium
 - •considering collaborating in the fields of semiconductors, IoT, life science, and mobility.







Platform for innovation and industrialization among science cities of ASEAN, IORA and JAPAN

□ For the prosperity of the Asian society and economy in the future,
the platform is necessary which promotes
the international mutual cooperation among companies, universities,
research institutes and economic organizations in Asian countries
based on the science cities' scheme as the "Hub of Collaboration" in each country.

☐ The platform will promotes

mutual utilization of Science Cities/Parks of ASEAN, IORA and Keihanna Japan for realizing innovation and industrialization, and also human resource development exchange programs for prosperous societies.

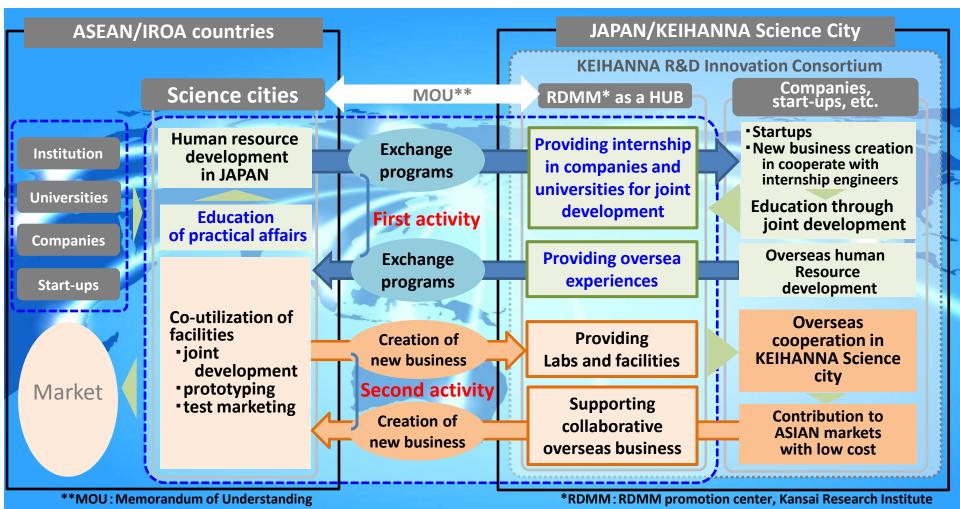
☐ The platform will also increase the values of Science Cities/Parks in each country and eventually will contribute to so-called UN SDGs (Sustainable Development Goals by United Nation).

Activities in the Platform

2 main activities

- (1) International mutual exchange programs of researchers, engineers and students:
 - Mutual exchange programs towards human resource development in the field of R&D and Industrialization.
 - The programs based on Science Cities/Parks of ASEAN, IORA and Keihanna Japan.
- (2) International mutual utilization of science cities in each country for innovations and new business creation:
 - attracting private companies, universities and national research institutions of ASEAN and IORA to Keihanna Science City and vice versa for promoting cooperative R&D and industrialization.
 - mutual utilization of the science cities and which facilities of ASEAN, IORA and Keihanna Japan for prototyping in the pilot plant, test marketing and new business creation.

Scheme of the Platform for the collaborative innovation and industrialization



Scheme of the collaborative innovation hub among several countries and Japan

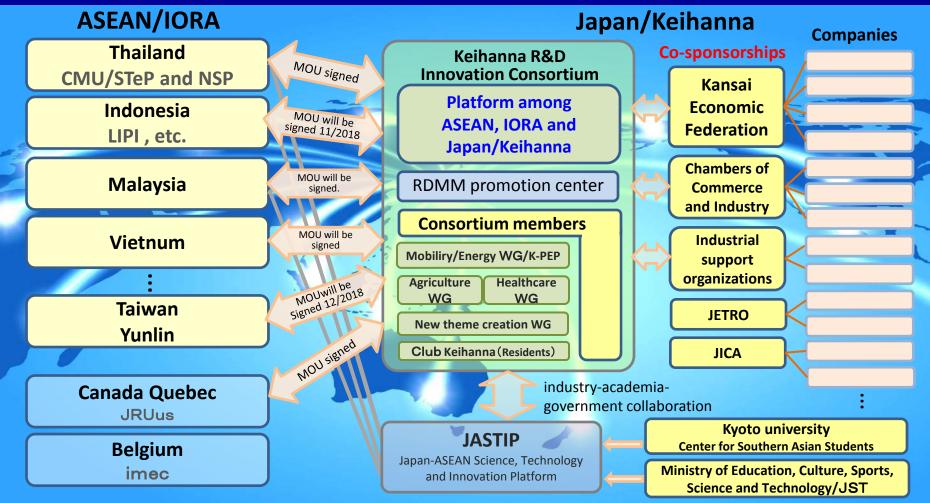


Image of the future innovation hub networks among science cities of ASEAN, IORA and Japan





GLOBAL INNOVATION



第1回 SDGs に向けた関西・ASEAN・IORA イノベーション拠点連携サミット 2018

First Global Innovation and Industrialization Summit

toward SDGs

among ASEAN, IORA and JAPAN (GIIS AIJ) 2018

Special Event at Kyoto Smart City Expo 2018

October 4 - 5, 2018

Keihanna Open Innovation Center @Kyoto,

Keihanna Science City, Japan

Program

 Conference on Collaborative Global Innovation and Industrialization toward SDGs among Innovation Hubs and Science Cities of ASEAN, IORA and Japan

Date: Fri. Oct 5th Time: 13:00-15:00 Venue: KICK main hall

- 2. Business Matching and Pitching based on Innovation among
 - companies, startups, universities and institutions in Japan, (mainly from "Keihanna R&D Innovation Consortium" and Keihanna Science City)
 - companies, universities and startups from ASEAN, IORA and related countries

Date: Fri. Oct 5th Time: 15:30-17:00 Venue: KICK guidance room 3/4

- 3. Special Exhibition of invited GIIS AIJ members from ASEAN and IORA
 - Technologies, New Products, New Business, and Collaboration scheme, etc.

Date/Time: Thu. Oct 4th 10:00-17:00 Fri. Oct 5th 10:00-17:00

Organized by RD RDMM Promotion Center Public Foundation of Kansai Research Institute

Cosponsored by The Organizing Committee of Kyoto Smart City Expo Kansai Economic Federation

Supported by Japan-ASEAN Science, Technology and Innovation Platform Web JASTIP

National Diet Library

Kyoto Prefecture Osaka Prefecture, Nara Prefecture,

Union of Kansai Government

Keihanna R&D Innovation Consortium





Anantana

Subiyanto

Business Matching and Pitching among companies from ASEAN, IORA and J



Special Exhibition of invited GIIS AIJ members from ASEAN and IORA



Meetings for introducing activities of Keihanna Science City towards future collaboration



