

# โครงการสร้างฐานทางธุรกิจในเอเชีย

ชื่อโครงการ	โครงการสร้างฐานทางธุรกิจในกลุ่มประเทศอาเซียนและประเทศญี่ปุ่น
งบประมาณ	• กระทรวงเศรษฐกิจ การค้า และอุตสาหกรรมแห่งภูมิภาคคั่นไซ
วัตถุประสงค์	• การสอบถามความสนใจในการจัดการด้านสิ่งแวดล้อมของบริษัทชั้นนำในประเทศไทย
ระยะเวลา	• มกราคม-มีนาคม พ.ศ. 2563
กิจกรรม	• สภาอุตสาหกรรมแห่งประเทศไทยดำเนินการคัดเลือกบริษัทชั้นนำในประเทศไทยที่มีความตระหนักในปัญหาสิ่งแวดล้อม จำนวน 10 บริษัท • ศึกษาแนวทางการจัดการด้านสิ่งแวดล้อมของบริษัทต่าง ๆ ที่คัดเลือกเกี่ยวกับนโยบาย แนวคิดทิศทางการดำเนินงาน รวมทั้งกิจกรรมและแผนเพื่อการรักษาสิ่งแวดล้อมและ/ หรือการอนุรักษ์พลังงาน
ผลลัพธ์	• รายงานข้อมูลการจัดการด้านสิ่งแวดล้อมของบริษัทชั้นนำในประเทศไทย



The Project on

# **Asia Business Creation Platform (ABC Platform)**

In ASEAN countries and Japan

Initiated by **Kansai Economic Federation of Japan (Kankeiren)**

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**EX Research Institute Limited**

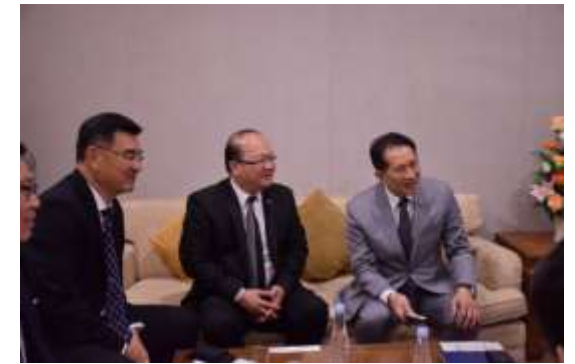
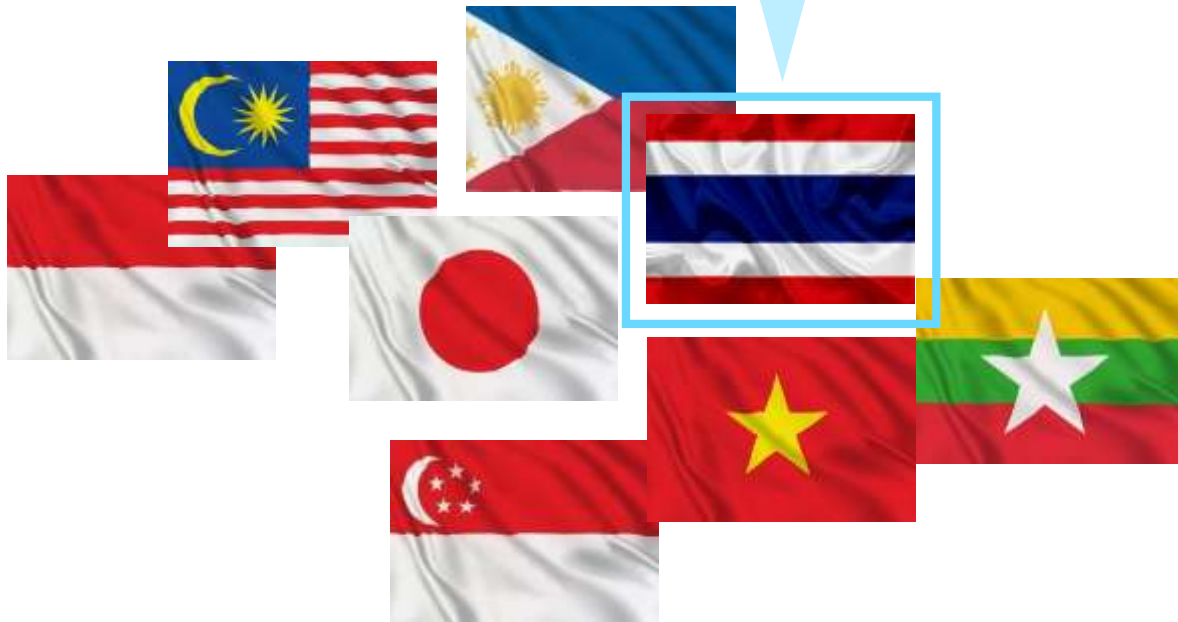
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# 1. Introduction of ABC Platform (1)

**Asia Business Creation Platform (ABC Platform)** is a platform for organization & private sectors in ASEAN Countries & Japan to create business in the area, established by major economic, commercial & industrial related organizations from Indonesia, Malaysia, Myanmar, Philippines, Singapore, Thailand, Vietnam and Japan on April 5<sup>th</sup>, 2019.

From Thailand, **Federation of Thai Industry**, as a representative, participated as one of the founders and members of the platform.



Mr. Supant Mongkolsuthree, Mr. Montri Mahaplerkpong and Mr. Kriengkrai Thiennukul are welcomed the representatives from KANKEIREN Japan, Mr. Katsuhiko Ushiba: Director, Asia Business Creation Platform Office, International Affairs Department and Mr. Zen Sadakuni: General Manager, International Affairs Department at the Federation of Thai Industries on 11 June 2019.

# 1. Introduction of ABC Platform (2)



## OBJECTIVES

**Expanding economic growth in ASEAN countries and Japan by providing opportunities for Business Creation**

In "Asia Business Creation Platform (ABC Platform)", the economic organizations in Asian countries and Kansai work together to **provide opportunities for Business Creation** to companies and affiliated organizations in each country by accelerating collaboration in various fields (human resources, technologies, services, etc.).



Indonesia



Malaysia



Myanmar



Philippines



Singapore



Thai



Vietnam



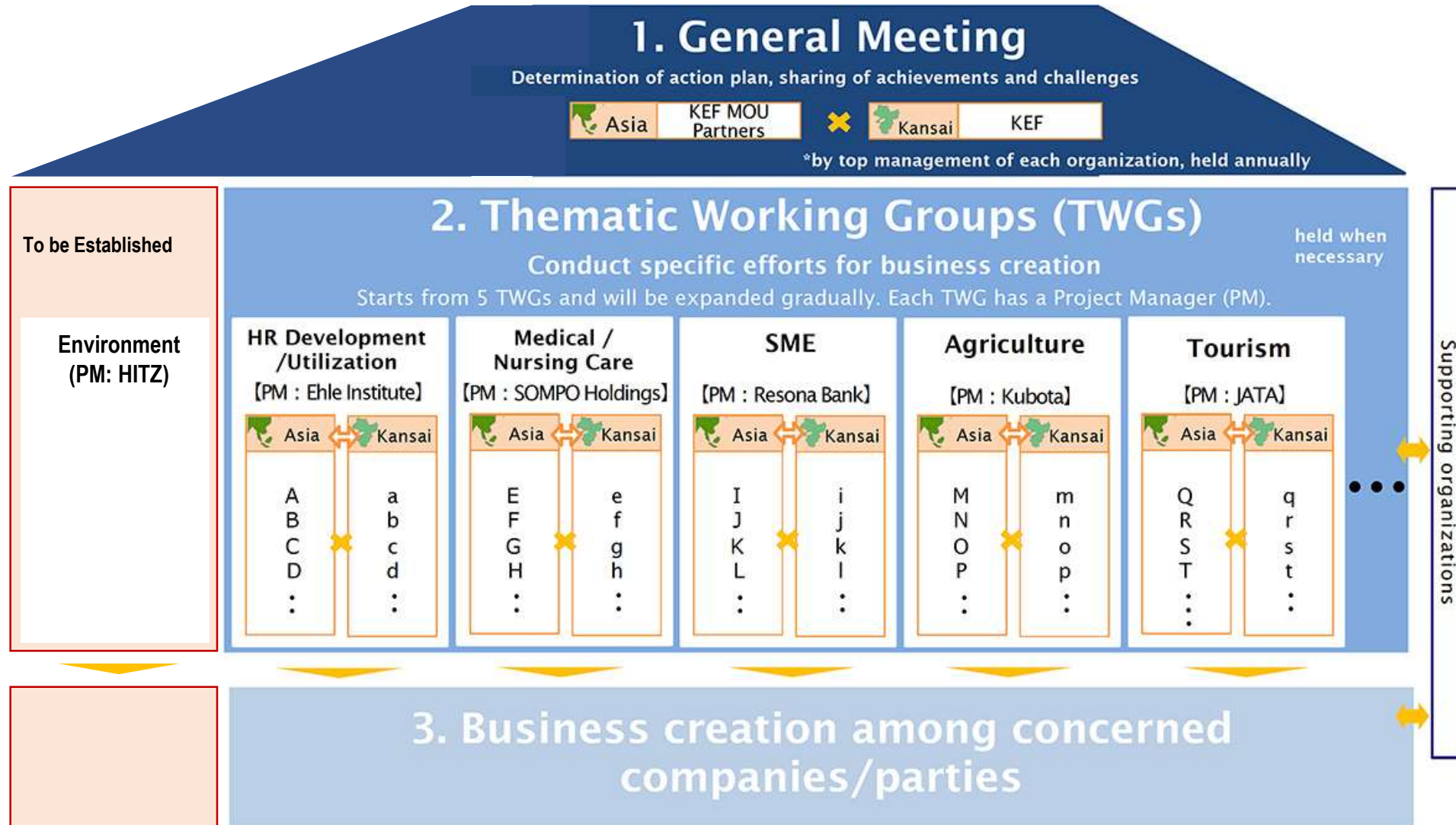
Japan

## ACTIVITIES

- Hold a **General Meeting** where the leaders of economic organizations gather once a year
- Establish "**Thematic Working Groups (TWGs)**" in the respective fields of mutual interest and work actively on business creation

# 1. Introduction of ABC Platform (3) Structure of ABC Platform

## Overall image of ABC Platform



# 1. Introduction of ABC Platform (4) Environment Group

The Environment Group is one of group among x groups under ABC Platform focusing on environment related business covering “**Water**”, “**Soil**”, “**Air**” “**Waste**”, “**Hazardous Substance**”, “**Energy Saving**” and even others.

Water treatment

Waste management and recycling

Energy saving

Air Quality Control

Environmental Pollutants Management

Example



Cubic Latticed Contactor ESROTAE  
by SEKISUI AQUA SYSTEMS Co., Ltd.

PM2.5 Automatic Particle & the Element analyzer  
PX-375 by HORIBA, Ltd.



Source: <http://team-e-kansai.jp/en/members/>

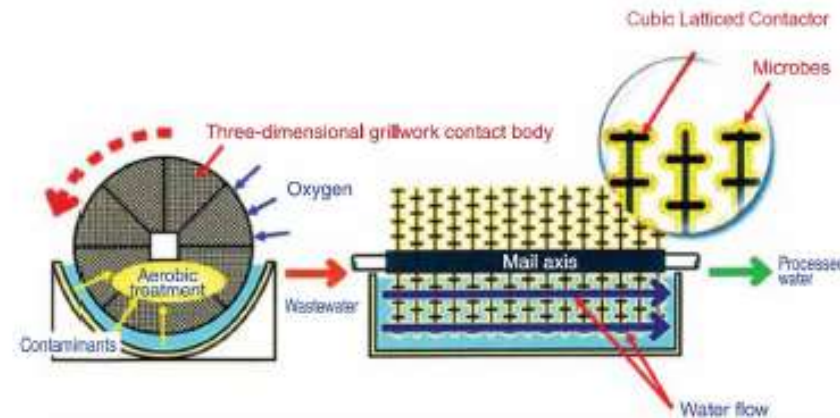
From “**Kankeiren**” with collaboration with **METI Kansai** and **Team E-Kansai**, more than **180** companies are ready to support by sharing related information to interesting parties in ASEAN countries, including Thailand

# 1. Introduction of ABC Platform (5) Technologies

## Water treatment

### Cubic Latticed Contactor ESROTAE by SEKISUI AQUA SYSTEMS Co., Ltd.

Suitable for processing organic wastewater, simple and conventional maintenance and management through energy efficient mechanism and a 50% reduction of sludge.



### Features

- Consumes approx 40% lower power than conventional wastewater treatment equipment using activated sludge.
- Generates less than half the quantity of sludge generated from equipment using activated sludge.
- Withstands inflow load changes and ensures ease of use and maintenance.

### Overview (Technical principles, actions, etc.)

The ESROTAE is wastewater treatment equipment that uses the microbe film on the cubic latticed contactor. The contactor rotates slowly while approximately 40% of the contact body is immersed in wastewater, takes in oxygen from the air, adsorbs contaminants from the wastewater, and breaks down the contaminants aerobically with the work of microbes. The microbes proliferate in process of wastewater decomposition, and those that loose activity fall off and they are separated in the sedimentation layer of the equipment.

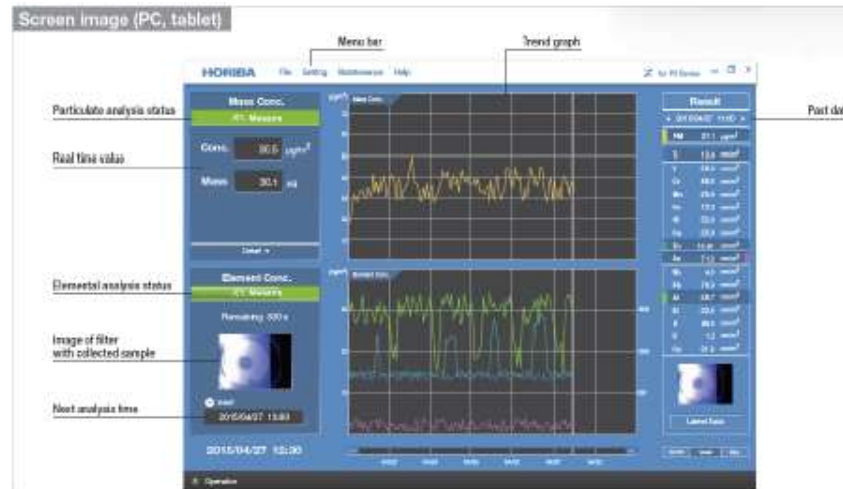


# 1. Introduction of ABC Platform (6) Technologies

## Air Quality Control

### PM2.5 Automatic Particle & the Element analyzer PX-375 by HORIBA, Ltd.

Continuous analysis of particle and the element with automatic sampling.



#### Characteristic

- Continuous analysis of PM and the element concentration by single unit directly at field.
- Advanced analysis by world proven technologies and reliable functions.
- Excellent sensitivity and precision realized by HORIBA new-developed filter tape.
- Air pollution source is more specific and accurate because of the installed CMOS camera.

#### Overview

PX-375 is capable of measuring of PM2.5, PM10 or TSP and the elemental concentration at Air Quality Monitoring Station (AQMS). Compact design enables the analyzer to be installed in laboratory too. The online measurement reduces the man power and the human error in using the manual method. X-ray fluorescence & Beta-ray attenuation are adoption of world proven technologies, and allow highly accurate analysis. PX-375 has safety function (X-ray shield structure and inter lock) for prevention of X-ray leakage. No need to appoint the particular working space and person in charge for the X-ray operation. Chemical background of the filter tape is extremely low. Therefore the filter with collected sample could be used for chemical analysis by other scientific analytical instruments. (ICP-MS etc.) Installed CMOS camera enables observation of collected particulate sample on the filter. In addition to particulate and elemental concentration, analysis of particulate sample image: its color, shape is possible. Particulate concentration, elemental concentration and particulate color –this 3 approach enables more reliable stationary air pollution source appointment.

## 2. Activities of Environment Group (1) for the case of Thailand



ABC Platform



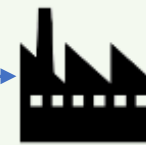
- **Networking**
  - **Facilitation of business development**
- among the members in “Federation of Thai Industry” and “KANKEIREN (TEAM E-KANSAI)”



<KANKEIREN>

**Facilitation & Coordination**

- **Introduction of Technologies / Products**
- **Technical Cooperation**
- **Research**
- **Personnel Exchanges & etc.**



## 2. Activities of Environment Group (2) – March 2020

### Objectives of the project

To review Environment related interest of the Leading Thai Companies

### Activities of the project

- FTI will select 10 or more leading companies with high Environment Awareness in Thailand
- To study the Environment related practices from companies listed covering policy, concept, direction, activities & plan to contribute environmental and/or energy conservation

### Output

- Report to introduce practices of leading companies in Thailand (English)

to study & consider further support and facilitate & coordinate  
Among the members in the platform



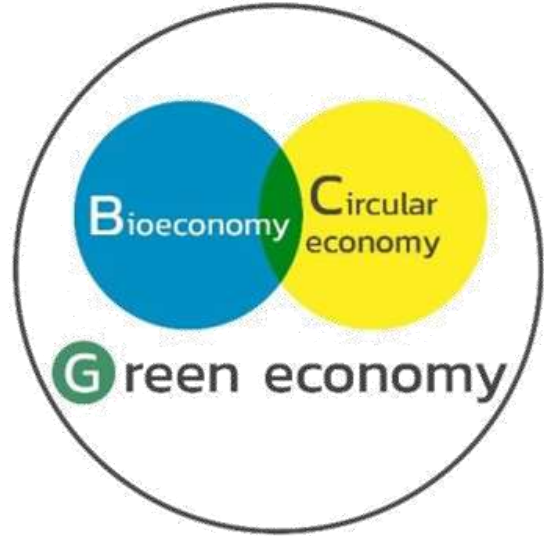
## 2. Activities of Environment Group (3) – Outline of the Interview

Date	Time	Itinerary / Program	Target audience	Venue
2020/01/XX*	AM and/or PM Approximately 1-2 hours	Interview as per questions in questionnaires by Interviewer <ul style="list-style-type: none"> <li>• To confirm our understandings</li> <li>• To review current environmental related interest</li> </ul>	Person in charge of Environment &/or Energy Conservation related activities	As per instruction to be given by the visiting places

*\* To be arranged between responsible person of your company and Mr. Rangsan (EXRI), hopefully sometime in January 2020*

# 3. Reference (1) Environmental Awareness in Thailand

In Thailand, Prime Minister and Defense Minister General Prayut Chan-o-cha had urged Cabinet members to study the “BCG model” as one of the possible method to boost the Thai economy.



The "**BCG Model**" is a new national development concept proposed by the Ministry of Higher Education, Science, Research and Innovation. the BCG model which stands for **Bio, Circular, and Green economies** was described as a "three-dimensional model" for economic development.



New technology & Know-how



# 3. Reference (2) Environmental Awareness in Thailand

## Revision of regulation related to Soil and Groundwater contamination control in factory area

Department of Industrial Works (DIW) develop a regulation on soil and groundwater contamination control in factory area. This regulation will control soil and groundwater contamination from factories' activities.

Type of factory who concerned with regulation on soil and groundwater contamination control in factory area as follows;

