

2025

# KOR-SWI JOINT CALL ONLINE WEBINAR

2025. 02. 19.

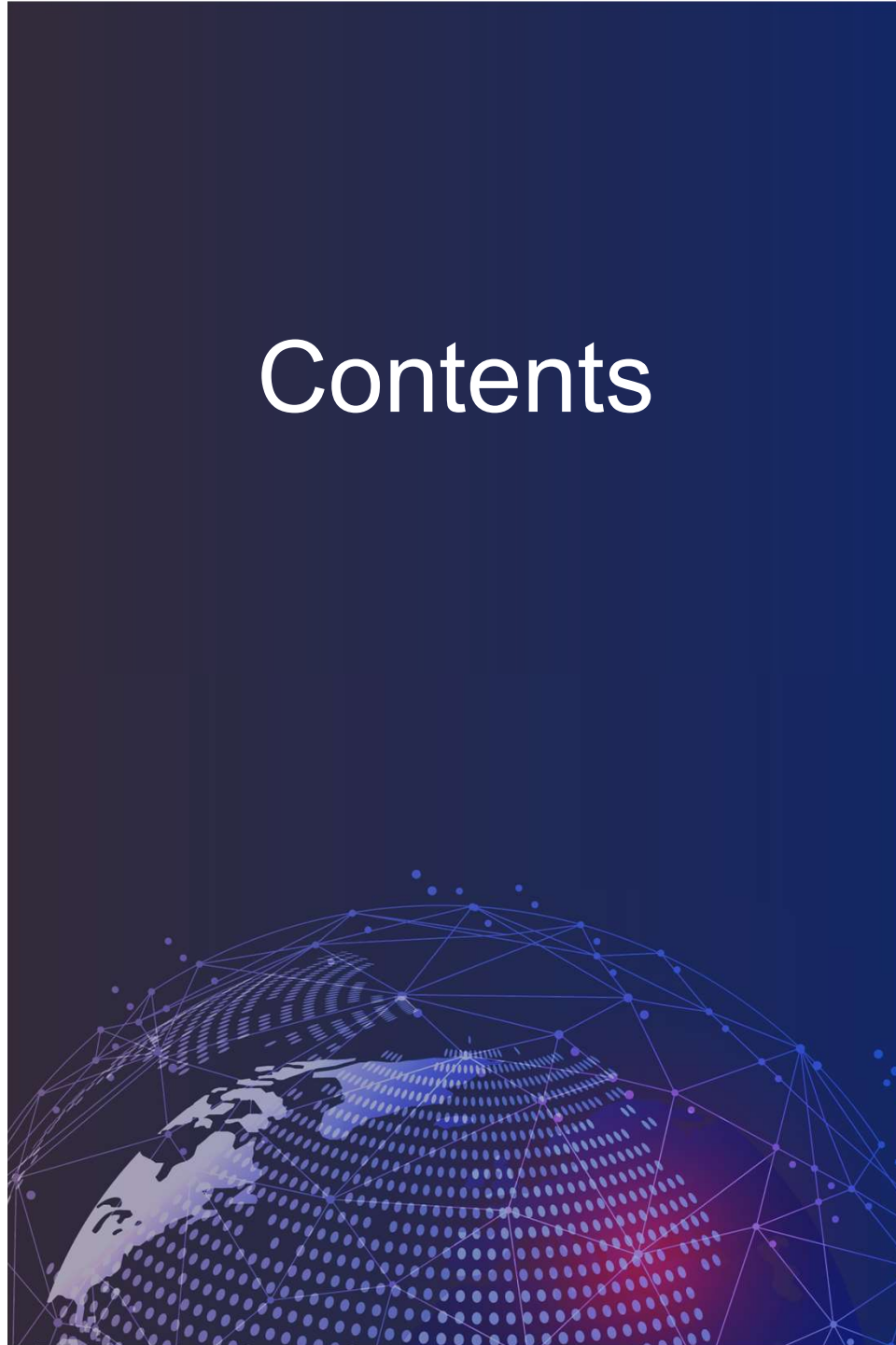


Ministry of Trade,  
Industry and Energy

beyond leading technology **kiat**

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2. Funding
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# International R&D Cooperation On Industrial Technology

Korea Institute for Advancement of Technology

Office of International R&D Cooperation



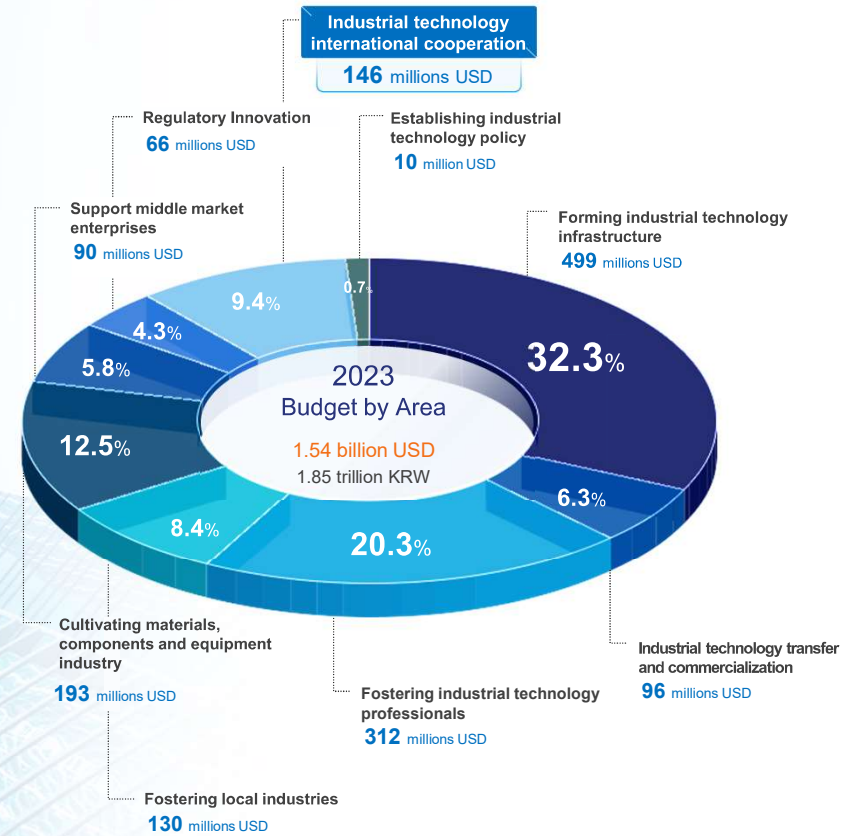
Introduction of KIAT

# Introduction of KIAT



Korea Institute for Advancement of Technology(KIAT) was established on May 4,2009

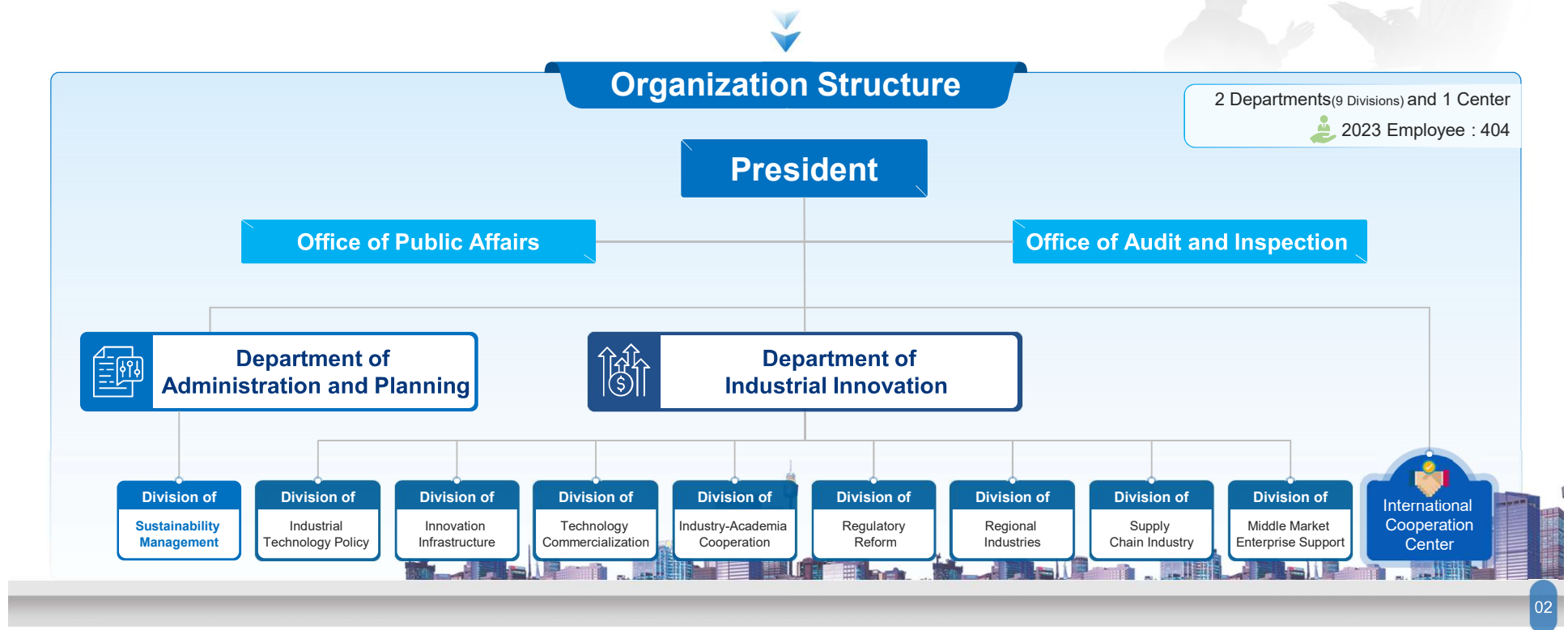
Pursuant to Article 38 (1) of the Industrial Technology Innovation Promotion Act, KIAT was established to efficiently and systematically pursue projects for the promotion of industrial technology innovation, and to support the development of policies related to industrial technology innovation



Introduction of KIAT

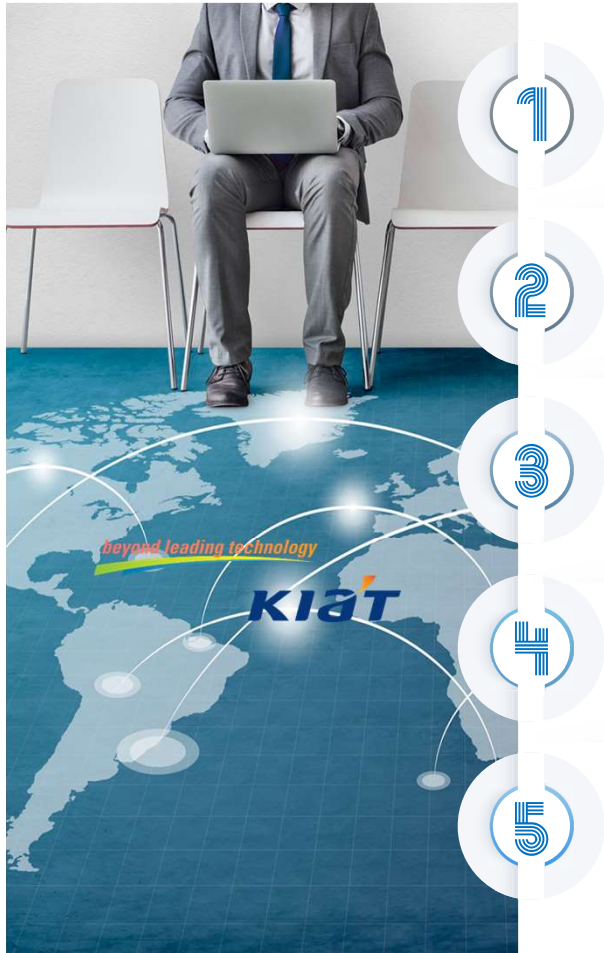
# Introduction of KIAT

## Comprehensive Industrial Technology R&D Support Organization for promotion of industrial technology innovation and policy development



Introduction of KIAT

## What we do



### Establishing industrial technology policy



- ☑ Identify an industrial technology policy agenda
- ☑ Research technology trends and identify promising industries

### Forming industrial technology infrastructure



- ☑ Planning and operating industry-specific infrastructure projects
- ☑ Operation of research equipment utilization system

### Industrial technology transfer and commercialization



- ☑ Build a technology commercialization plan
- ☑ R&D and financial support for technology commercialization
- ☑ Create a plan to promote industrial digital transformation and run a digital transformation support

### Fostering industrial technology professionals



- ☑ Educating innovative talent in industrial technology(Bachelor, Master, Ph.D, Tenured, Retiree)
- ☑ Help to create a talent development policy

### Fostering local industries



- ☑ Establishing and operating local industrial policy
- ☑ Promoting national balanced development policy

Introduction of KIAT

## What we do



### Cultivating materials, components and equipment industry



- ☑ Assist in establishing material components and equipment policies
- ☑ Establish demonstration base for the material components and equipment industry and support for R&D

### Support middle market enterprises



- ☑ Policy planning for midsize businesses
- ☑ Provide the infrastructure needed to empower and grow SMBs

### Regulatory Innovation



- ☑ Operation of the Industry Convergence Regulatory Sandbox System
- ☑ Operationalizing the regulation free special zones designation

### Industrial technology international cooperation



- ☑ **International joint R&D**(Bilateral, Multilateral, Strategic type)
- ☑ Industrial & Energy ODA for emerging countries, TASK(Technology Advices and Solutions from Korea)

Overview

# The Project for International Cooperation in Industrial Technology

Basis



Project

## Article 27 of Industrial Technology Innovation Promotion Act (Projects for International Cooperation in Industrial Technology) :

- ☑ "The Minister of Trade, Industry, and Energy may promote international cooperation projects in industrial technology to facilitate such cooperation between Korean government, enterprises, universities, and research institutions and organizations of foreign countries

KIAT 's execution

## Article 38 of Industrial Technology Innovation Promotion Act (Establishment of KIAT etc.), Article 9 of Enforcement Rule(Business of KIAT) :

- ☑ "KIAT shall execute the following business ...projects for international cooperation in industrial technology in accordance with Article 27 ..."

Goal

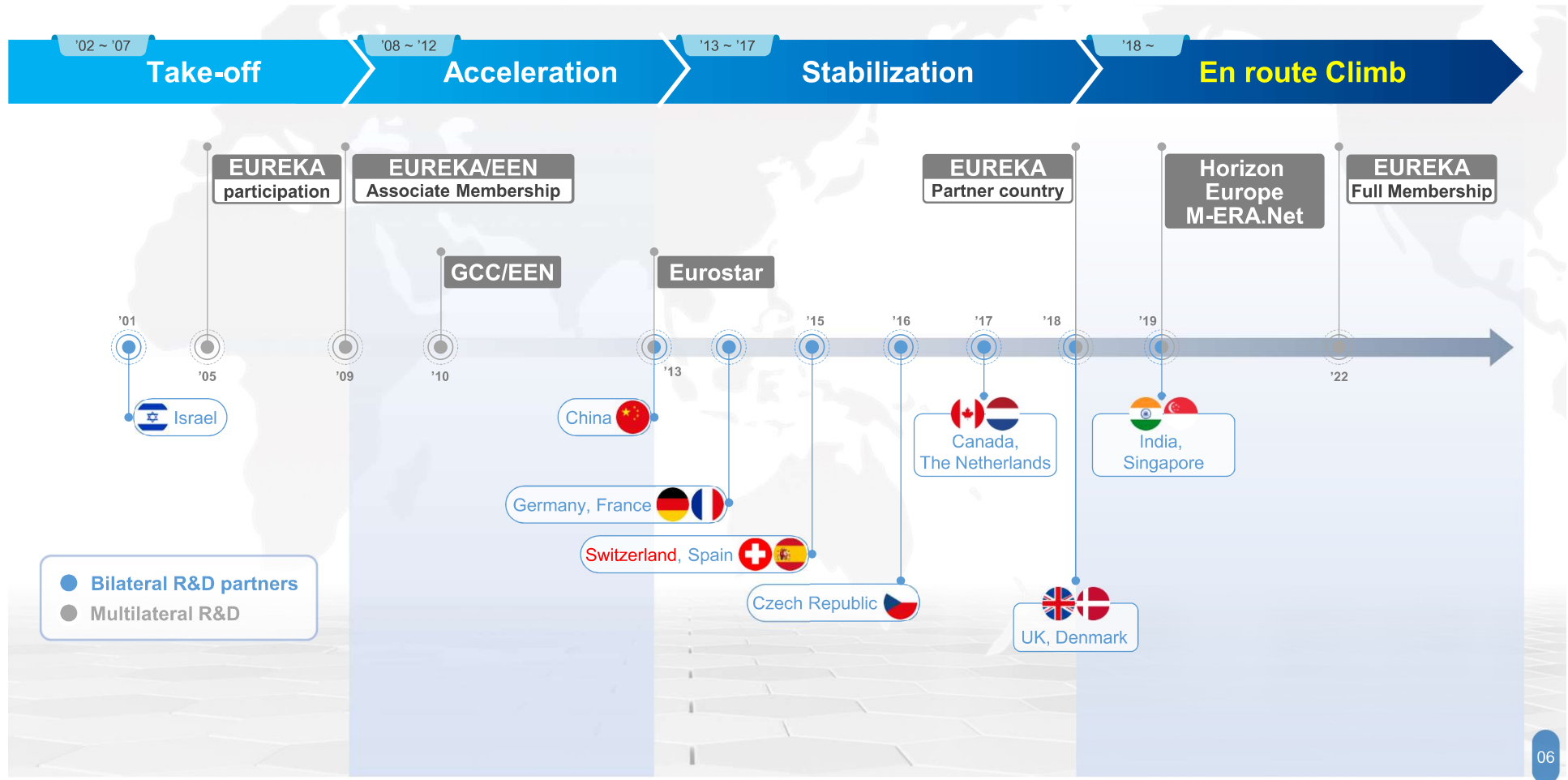


Promoting and Enhancing industrial competitiveness in Korea through securing leading-edge technology and entering GVC, and using global industrial resources efficiently, with international joint R&D among SMEs, academia, research institutes in domestic and outstanding R&D institutes in global



International Collaborative R&D on Industrial Technology

# History of Global R&D Cooperation on Program

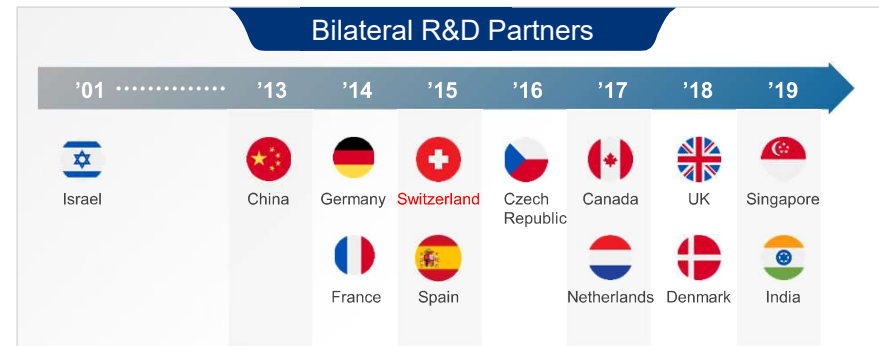
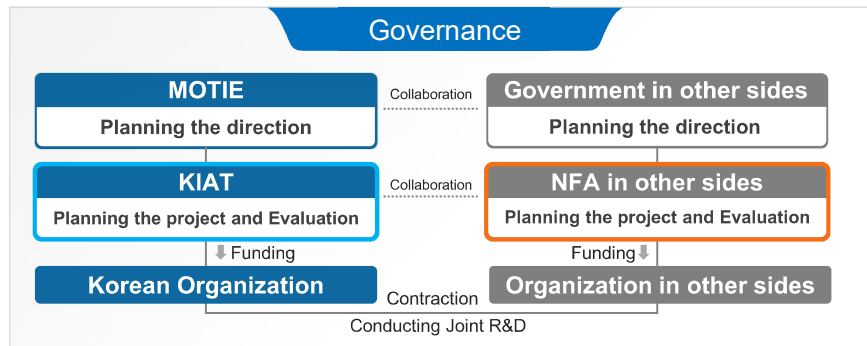


R&D

# Bilateral R&D Project

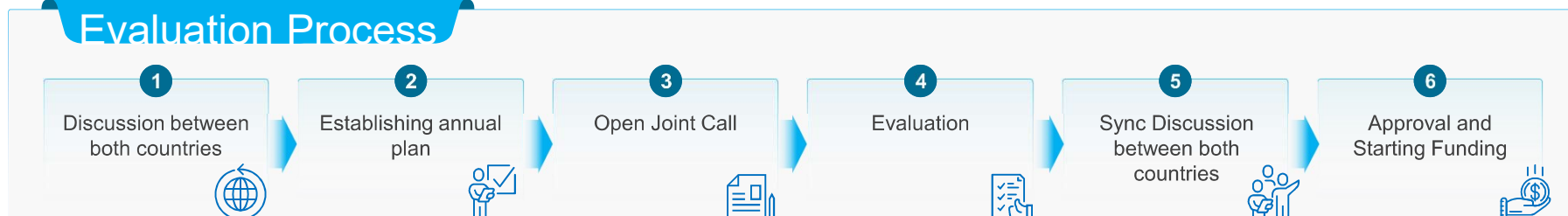
Pre-R&D   **R&D**   Post-R&D   ODA

Securing global technical competitiveness of companies through R&D focused on new industry or cutting edge technology between both countries



Forming consortia between both countries and providing R&D support to their institutions on bilaterally approved projects.

## Evaluation Process



R&D

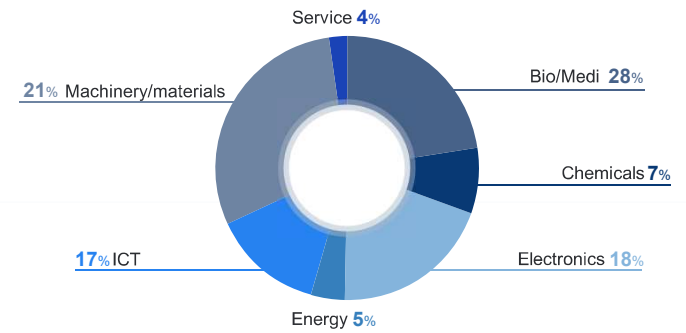
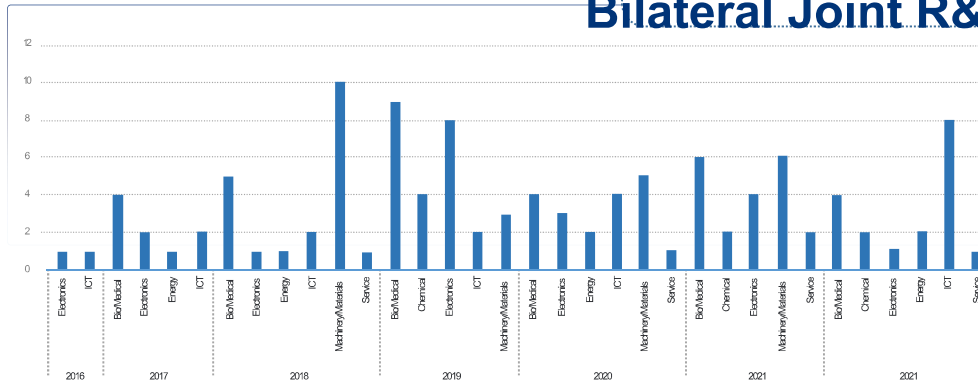
# Bilateral Joint Program

Pre-R&D R&D Post-R&D ODA

## Thematic domains

<b>Netherlands</b> <ul style="list-style-type: none"> <li>Bio/Health</li> <li>Energy</li> <li>IoT</li> </ul>	<b>France</b> <ul style="list-style-type: none"> <li>Bio/Health</li> <li>Autonomous Vehicle</li> <li>Energy</li> <li>Nano-tech</li> </ul>	<b>Germany</b> <ul style="list-style-type: none"> <li>(2+2) Robot, Lightweight construction/Carbon</li> <li>(AiF) All sectors</li> </ul>	<b>UK</b> <ul style="list-style-type: none"> <li>Advanced materials</li> <li>AI</li> <li>Future Mobility</li> <li>Semiconductor</li> </ul>	<b>India</b> <ul style="list-style-type: none"> <li>Future manufacturing</li> </ul>	<b>Singapore</b> <ul style="list-style-type: none"> <li>Bio/Health</li> <li>IoT/AI</li> </ul>	<b>Israel</b> <ul style="list-style-type: none"> <li>Robot</li> <li>Bio/health</li> </ul>
<b>Denmark</b> <ul style="list-style-type: none"> <li>ICT</li> <li>Industry 4.0</li> <li>Bio/Medtech</li> <li>Materials energy, /IoT</li> </ul>	<b>China</b> <ul style="list-style-type: none"> <li>High-tech aterials</li> <li>Future Display</li> <li>Next-generation Semiconductor</li> <li>Bio/health</li> </ul>	<b>Canada</b> <ul style="list-style-type: none"> <li>Bio/Health</li> <li>IoT/AI</li> <li>Advanced manufacturing &amp; materials</li> <li>Energy</li> <li>Quantum</li> </ul>	<b>Czech</b> <ul style="list-style-type: none"> <li>Green Car</li> <li>IoT/SoC</li> <li>Advanced manufacturing &amp; materials</li> <li>Space tech.</li> </ul>	<b>Spain</b> <ul style="list-style-type: none"> <li>Bio/Health</li> <li>Energy</li> <li>Smart city</li> <li>ICT</li> <li>Manufacturing</li> </ul>	<b>Switzerland</b> <ul style="list-style-type: none"> <li>Biotech, Medtech</li> <li>Renewable Energy &amp; Batteries</li> <li>Digitalisation, Industry 4.0, IoT, AI</li> <li>Additive Manufacturing</li> <li>Smart Materials, Innovative Surface</li> <li>AR, VR</li> <li>Hydrogen Technologies</li> </ul>	

## Bilateral Joint R&D Projects



Outcome of Collaborate R&D Cooperation

## Korea-Switzerland International Joint R&D Cooperation

Pre-R&D

R&D

Post-R&D

ODA

Joint R&D Projects

A total of 43 projects were selected as of 2022

1

### Bilateral joint R&D project



**\$26 Million USD**  
(37.6 Billion KRW)

### Korea-Switzerland Bilateral Joint R&D Program

#### Type of support



#### Number of selected R&D Projects



#### Areas of cooperation

1. Biotech; Medtech
2. Digitisation; Industry 4.0; IoT, AI
3. Additive Manufacturing
4. Smart Materials / Innovative surfaces
5. Augmented and virtual reality
6. Hydrogen Technologies
7. Renewable Energy & Batteries

2

### Multilateral joint R&D project



**\$14.5 Million USD**  
(19.17 Billion KRW)

### Multilateral Joint R&D Program(18 projects)

#### EUROSTARS & HORIZON



#### EUREKA(CLUSTERS, NETWORK)





## 02 Funding

# 02 Funding

2023 KOR-SWI JOINT CALL

## 1 Funding

### A Funding Size

- Annually max **500,000,000 won** within **max 3 years**  
(totally **1,500,000,000 won**)
- KIAT funds Korean organizations up to **1,500,000,000 won** per a project

### B Constitution of Project Budget

- Total Project Budget = **Funding** + **Private Cost(Cash, In-Kind)**

# 02 Funding

2023 KOR-SWI JOINT CALL

## 1 Funding

### C Funding Ratio

Type	After 2023
Large Enterprise	33% or less of the Project cost of Participating enterprise
Medium sized Enterprise	50% or less of the Project cost of Participating enterprise
Small sized Enterprise	67% or less of the Project cost of Participating enterprise
Demand Enterprise*	67% or less of the Project cost of Participating enterprise
Others (Univ, Research institutes)	100% or less of the Project cost of Participating enterprise

\* The term "demand enterprise" means a participating enterprise not a leader, in charge of performance evaluation and verification in the development process in the hope of purchasing or implementing development products and technologies.

# 02 Funding

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## 1 Funding

### C Cash ratio of private cost(civilian dues)

Type	After 2023
Large Enterprise	<b>15%</b> or more of the Private Contribution of Participating enterprise
Medium sized Enterprise	<b>13%</b> or more of the Private Contribution of Participating enterprise
Small sized Enterprise	<b>10%</b> or more of the Private Contribution of Participating enterprise
Demand Enterprise	<b>10%</b> or more of the Private Contribution of Participating enterprise
Others (Univ, Research institutes)	Paid if necessary



## 03 Eligibility

# 03 Eligibility

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## 1 Qualification

- All types of companies (large enterprise; SME), universities or research institutes are able to apply and lead the consortium.  
**However, at least one company (private enterprise) must be included in Korean consortium**
- Participating Korean Company should be in operation for more than a year, and must have a certificate of corporate R&D center issued by KOITA(Korea Industrial Technology Association)

# 03 Eligibility

2023 KOR-SWI JOINT CALL

## 2 Restriction

- The project should not have already been implemented and should not overlap with other R&D projects  
(Overlap review)
- Korean organizations and the persons responsible should not be restricted from National R&D program by the end of the application date  
([www.ntis.go.kr](http://www.ntis.go.kr))
- The participating company should be Financially Solvent
- The number of national R&D projects that the participating researchers are simultaneously doing cannot exceed **5**

# 03 Eligibility

2023 KOR-SWI JOINT CALL

## 2 Restriction

- If the number of MOTIE R&D projects conducted by a Korean Lead company at the same time by the submission deadline date is higher than the number in the table below, the application is restricted.

Type of Korean Lead	Number of R&D tasks
Medium sized Enterprise	4
Small sized Enterprise	2

\* Marginal Enterprise is an entity with an interest coverage ratio of less than 1 in its financial statements at the end of the last three consecutive fiscal years.



# 04 Application

## 05

## Application

2023 KOR-SWI JOINT CALL

1

Process

- Applications must be submitted to KIAT for Korean institutions and Innosuisse for Swiss institutions to be accepted.

[ 2025 KOR-SWI Joint Call Procedure]

Application		Evaluation	Notification	Project Start Date
Open	Submission Deadline			
12 <sup>th</sup> Feb	<b>27<sup>th</sup> May 16:00</b>	July	August	October

# 05

## Application

2023 KOR-SWI JOINT CALL

2

Submission

- All documents must be submitted via online ([www.k-pass.kr](http://www.k-pass.kr))
- Unfinished documents can be rejected
- Applications are not accepted after the deadline (24th May 16:00)



# Thank you !

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