SMEs Call Center
1357

Korea
Where people thrive together

Ministry of SMEs and Startups

TIPA Korea Technology and Information Promotion Agency for SMEs

www.tipa.or.kr

The BRIDGE for SMEs

A Partner for the Innovative Growth of SMEs



Purpose of Establishment

TIPA, a Partner That Unlocks the Future of SMEs

Established as a specialized organization dedicated to enhancing the competitiveness of SMEs by promoting technological innovation and information administration (Jan. 22, 2002)

Founding Law: Article 20 of the Act on the Promotion of Technology Innovation of Small and Medium Enterprises (TIPA)

Mission: To contribute to national economic development through the technological innovation and smartization of SMEs

Core Values		Management Policies (4C)	
Try	Integration	Creation	Change
Professionalism	Accountability	Collaboration	Communication

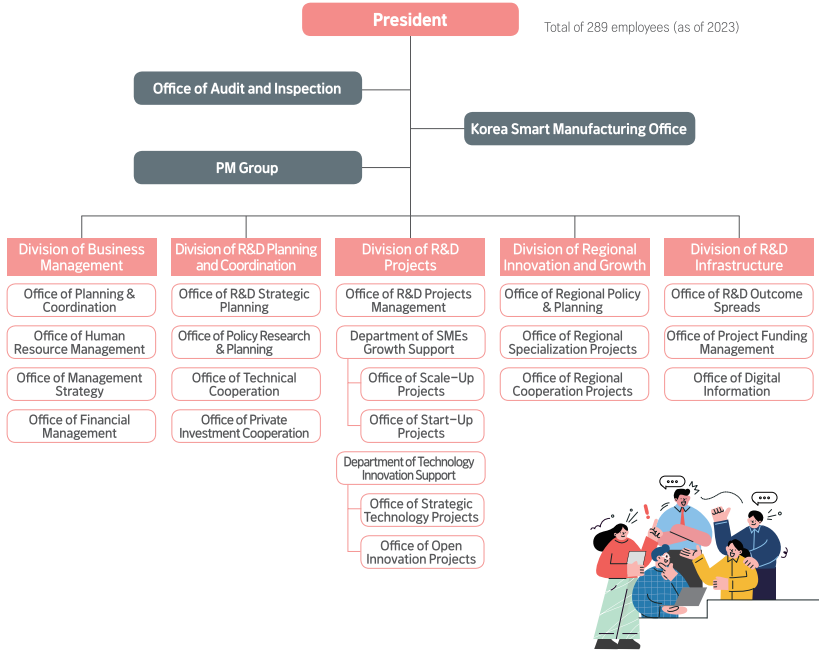
Management Goals for 2027

- Fostering 100 publicly traded companies with R&D support
- Achieving 42% rate in local innovative companies
- Creating more than 100 smart manufacturing clusters
- Achieving "Outstanding" rating in the customer-centered area of the management index

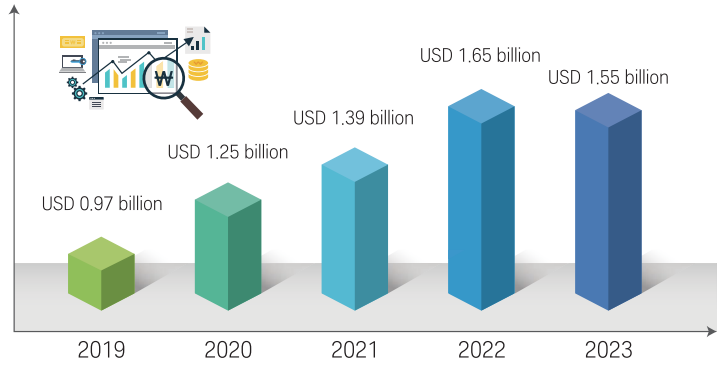
History

- May 24, 2001 — Act on the Promotion of Technology Innovation of Small and Medium Enterprises enacted
- Jan. 22, 2002 — Founded as Korea Information Management Institute for Small and Medium Enterprises (KIMI)
- Jun. 21, 2002 — Designated as an organization specializing in technology promotion of SMEs
- Mar. 1, 2006 — Renamed Korea Technology and Information Promotion Agency for SMEs (TIPA)
- Jan. 29, 2009 — Designated as a quasi-governmental agency for entrusted projects
- Mar. 11, 2013 — Relocated from Seoul to Daejeon
- Dec. 23, 2014 — Unified agencies dedicated to R&D project evaluation management for SMEs
- Jan. 23, 2017 — Opened the SMEs Technology Innovation Center
- Jul. 2, 2019 — Established the Korea Smart Manufacturing Office
- May 3, 2021 — Relocated from Daejeon to new office building in Sejong
- Jan. 22, 2022 — 20th anniversary of the founding of TIPA

Organization



Organization Budget



About the SMEs R&D Support Project

What is the SMEs technology development support project?

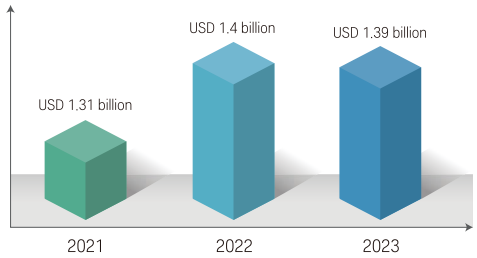
It is a research and development initiative designed to enhance the technological competitiveness of small and medium-sized enterprises through new technology, product development and process innovation.

Project Objective

To enhance technological competitiveness by assisting SMEs with the costs involved in the development of new technologies, products, and processes.

2023 SMEs R&D Project Structure [USD 1.39 billion]

› Budget



› Details

01 Enterprise-led (USD 616.8 million)

02 Cooperative (USD 267.7 million)

03 Policy-oriented (USD 465.2 million)

※ Excluding the Climate Fund of USD 41.7 million

› Eligibility

- SMEs under Article 2 of the Framework Act on Small and Medium Enterprises

※ Eligibility may vary depending on the characteristics of each project.
(Please refer to the individual project announcement for details.)

› Support Details

- Each project can run for a maximum of 4 years with a budget of approximately USD 1.5 million.
- Fully government-supported R&D expenses (unsecured, interest-free) account for 65-80% of the total project cost.

※ The government-supported R&D expense ratio may vary depending on the characteristics of each project, and some planning tasks are supported 100%.

› Fee

- A fee (if applicable) must be paid after the completion of the technology development.

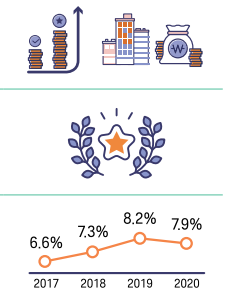


Policy Directions for SMEs R&D

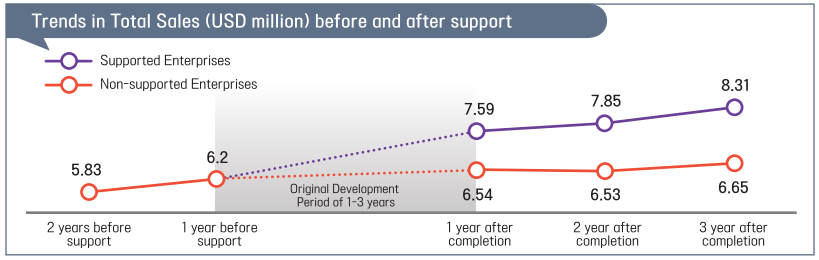
Policy Direction 1	Policy Direction 2	Policy Direction 3	Policy Direction 4
Activating Private-led R&D	Reinforcing Cooperative and Linkage-type R&D	Nurturing Promising Enterprises in Strategic Fields	Establishing Self-directed and Responsibility-centered Research Foundation
• Expanding R&D through linkage with private investment • Discovering and supporting outstanding private-led projects • Increasing successful commercialization based on private funds	• Strengthening industry-academia collaboration and network for R&D • Activating technology transfer and commercialization support • Enhancing inter-business collaboration for improved R&D results	• Strengthening support for global R&D expansion • Expanding R&D for digital transformation • Supporting the promotion of service R&D • Improving local-based technological capacity	• Improving R&D system based on autonomy and creativity • Imposing strict measures to prevent misconduct • Strengthening the support system for R&D performance management

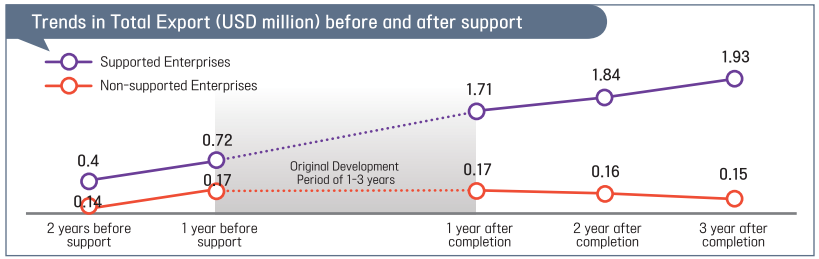
Achievements of SMEs R&D Support Projects

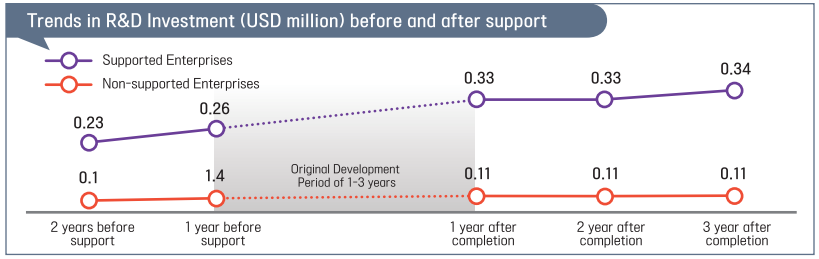
Classification	Total	Government Funding	Comparison With General SMEs
Employment	137,596 people	12.9 people (per task)	• Employment performance per USD 76,000* support to companies : **9.1 times the employment inducement coefficient** ※7.4 people per USD 76,000* (Bank of Korea) *Unit : KRW 100 million
Sales	USD 11.44 billion	USD 862,000	• Companies that generated more than USD 7.6 million* in sales in a year after the task is completed : **55 companies, the sum of sales equal USD 922.6 million** *Unit : KRW 10 million
Exports	USD 2.74 billion	USD 572,000	• Ratio of exports to sales of supported companies (23.6%) : **3.2 times the average of SMEs (7.5%)**
Patents	20,940	3.8 (per task)	• Ministry of SMEs and Startups' R&D registered patents (domestic) account for 7.9% of all patents : **The ratio of mid-term R&D to total government R&D continues to grow**

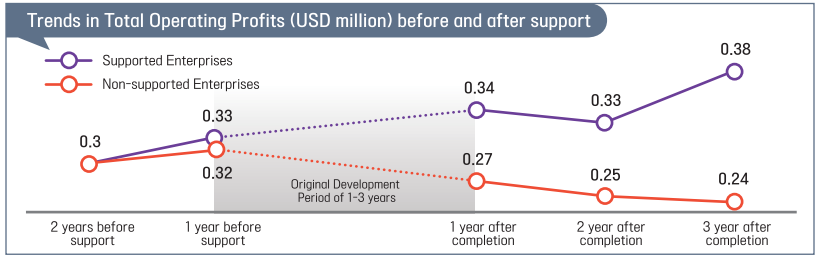


Comparison of Trends Before and After SMEs R&D Investment









K-BIO Lab Hub

Overview

- Specialized support (drug candidate discovery → commercialization) to accelerate biomedical startups' growth as global innovators.

Location	Yonsei University International Campus, Songdo, Incheon (32,000㎡)
Target	Companies in the 8 fields* of biomedicine * Protein drugs, antibodies, vaccines, cell/tissue therapy, DDS etc
Occupancy	3 years (extendable for 1 year, up to 4 years)
No. of residents	Regular selection: Early startups (60 companies yet to reach Series B funding)

Main Contents

- **Facilities/equipment** for resident biomedical startups' research and **specialized support programs**

Specialized support infrastructure

Direct support with essential equipment and facilities readily available for early-stage resident startups

Support programs

Specialized programs to assist them in business planning, R&D, funding and investment, and networking

Expert group mentoring

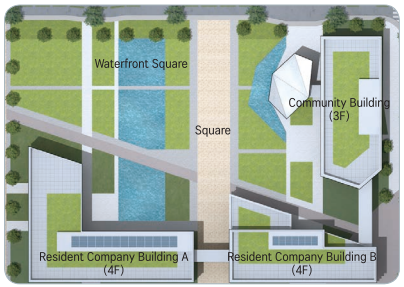
Comprehensive mentoring forresident biomedical startups' including technical difficulties, regulatory science, approval, and legal affairs by expert groups in each subject.

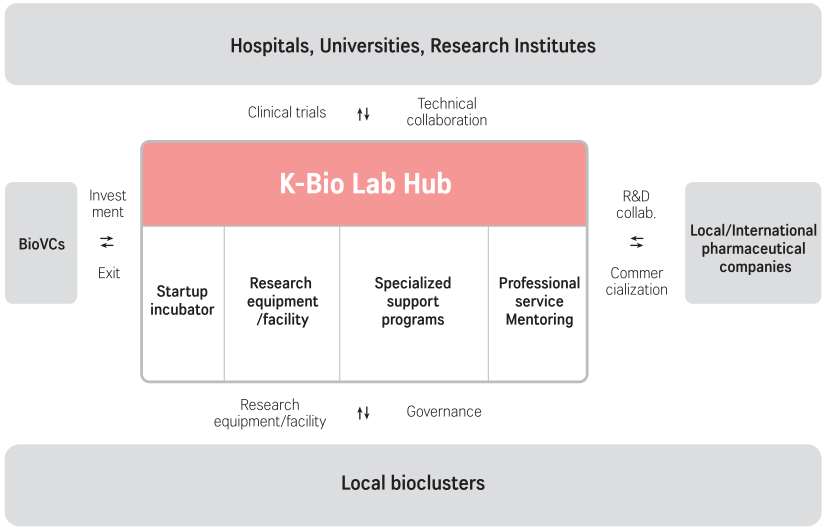
Internal/external cooperation

Support for cooperation with industry, academia, research, and medicine for technical collaboration and investment troubleshooting

K-Bio Lab Hub building and cooperation model









Smart Factory Supply and Expansion Project

Purpose of Implementation

Improve the quality of life by building the system
for virtuous circle of SMEs' smart manufacturing innovation
based on AI and super computers

Deployment of 30,000 smart plants	Advancement of smart plants (level 3 or higher level: 25%)	Building of AI data hub
Advancement of new business model development for manufacturing innovation of SMEs	Innovation to support deployment and expansion of smart manufacturing of SMEs	Reinforcement of business competitiveness by improving and expanding performance of SMEs

Implementation Details by Project Phase

Status of Implementation

Deployment of Smart Plants	Advancement	3-Phased Approach Development of Innovative Service
Phase 1 (from 2014)	Phase 2 (from 2020)	Phase 3 (from 2022 to 2025)
Focus on expansion of the base for Korean SMEs' smart manufacturing	Secure infrastructure dedicated to service for SMEs for storage, analysis and utilization of manufacturing data	Advancement of 5G- and AI-based smart plants Adoption of My Manufacturing Data

Implementation by Phase

Phase 1.

Deployment and Expansion of Smart Plants

Deploy and expand smart plants at 30,000 out of 67,000 small and mid-sized manufacturing businesses and advance 25% of level 3 or higher businesses (7,500 businesses) by 2022

Phase 2.

Building of Manufacturing Data Infrastructure

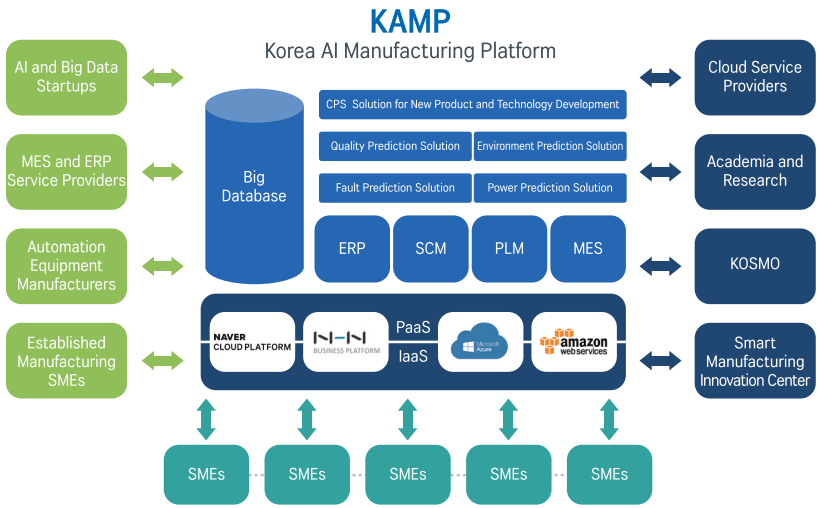
Build the autonomous production infrastructure Where KAMP-centered, cloud-based AI monitors, analyzes and assesses plants in real time, and a person makes a final decision and takes a quick action

Phase 3.

Utilization of Various KAMP-Based Platforms

Adopt AI solutions which are necessary for modeling and virtual manufacturing for SMEs' new product and technology development and utilize the adopted solutions for development

Cooperation Model of KAMP



TIPA Social Media Channels

TIPA Youtube

TIPA Blog

TIPA Facebook

TIPA Instagram

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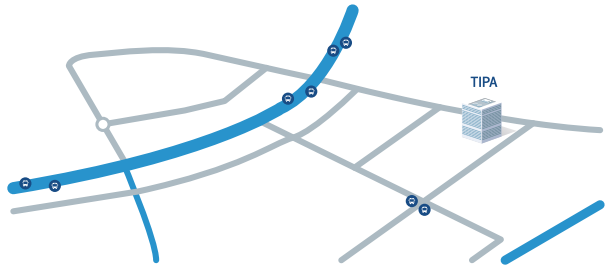

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