

CONTENTS

KOITA OVERVIEW

- 04 Greetings
- 06 Executive Message
- 08 History
- 10 Vision

BUSINESS REVIEW

- 14 Establishment · Nurturing of Corporate R&D Centers
- 15 Digital Innovation Support and IP-R&D Service
- 16 Domestic and Overseas Technical Cooperation
- 17 Establishment of Industrial Technology Innovation Network
- 18 Establishment and Systematic Improvement of Industrial Technology Policies
- 19 Research and Information Provision
- 20 Human Resources Development and Technical Manpower Support
- 21 Certification and Award System
- 22 Benefits for KOITA Members
- 23 Organization Chart

YOUR R&D PARTNER, KOITA

Over the last 40 years, KOITA has walked along only a single road to support the R&D of enterprises as a comprehensive R&D support agency. KOITA will continue to endeavor to become a strong partner for technological innovation and continued growth.

KOITA will lead the way in new innovation issues and will grab the spot of 'the best innovative platform to open the future of K-Tech.'

With our K-Tech, we must seize the opportunities for great changes that will never come up again. We must proactively respond to new changes to seize the new opportunities a new paradigm shift will bring.



As we enter into a new great industrial transition period represented by digital innovation and carbon neutrality, Korean companies face golden opportunities to leap into becoming global leaders. We must further extend our lead over rivals in our competitive areas, and must proactively respond to new changes to seize the new opportunities a new paradigm shift will bring. Based on so-called 'K-Tech,' which dominates over our competitors, we must seize the great opportunities that will never come again.

Now, we have to open up our future by strengthening our industrial & technical competitive edges based on 'K-Tech,' a new symbol of trust and cutting-edge technologies.

Since its founding in 1979, for the last 40 years, Korea Industrial Technology Association(KOITA) has been committed to strengthening Korean technical competitiveness, a driving force for Korean industrial development. Thanks to our efforts, the number of Corporate R&D Centers has exceeded 40,000 in South Korea, and the total amount of R&D investment has risen to the fifth largest level in the world.

Now, KOITA leads new innovation issues to secure the growth momentum of Korean economy, and will establish itself as 'the best innovation platform that opens the future of K-Tech.' We at KOITA will be a 'giant convergence community' in which all industries such as manufacturing, information technology (IT), finance, and culture can participate as our members via technical innovation.

To this end, we have set out four major missions: 1) Creating a sustainable growth environment, 2) Leading digital innovation, 3) Advancing openness and cooperation, and 4) Expanding the innovation ecosystem driven by the private sector.

In order to create a sustainable growth environment, we will play a leading role as a hub for technical development and public-private cooperation, which involves forming a private leading group that points the way to carbon-neutral technology innovation, as well as playing a role as a public-private connector through solidarity with R&D consultation groups, related organizations, and companies. We will present better practical alternatives to carbon neutrality from a business viewpoint, and will strive to spread technical innovation for carbon neutrality across all industries. Moreover, we will spare no effort to support the establishment of a Korean ESG ecosystem to fit the reality of Korean companies.

To lead the digital innovation across all South Korean industries, we will develop the Korea DT Initiative as the center of domestic and overseas digital innovation networks, and will also lead discussions on core tasks such as data sharing between industries.

For the advancement of openness and cooperation, we plan to strengthen supports for convergence and cooperation activities such as mutual growth and promotion of exchanges between different industrial sectors. We also hope to develop into a convergence and cooperation platform to grow a network of 100,000 innovative companies. We will create a new platform service where any company who wants to cooperate can easily find a good partner.

To spread the private-led innovation ecosystem, we will take the lead in establishing a new national R&D system in which the public and private sectors work together, and creating a social atmosphere of respect for companies' technical innovation efforts. We will build up the influence of Korean private R&D consultation groups so that they can be reflected on the Korean overall national R&D policies, beyond their conventional role of conveying corporate opinions.

In addition, we will make more effort to increase member satisfaction by developing unique innovative services that contribute to the expansion of activity areas for KOITA members and the creation of their values as well. We will provide our brand new value services by discovering not only the apparent demands of KOITA members, but also their hidden demands using big data and AI.

KOITA has accumulated much experience and know-how as a central institution for Korean industrial promotion and technical innovation over the last 40 years. Using this experience and know-how, we will take the lead in 'working together for technical innovation' rather than 'working by myself,' and will continue to support our proactive attitudes and innovation.

We ask for your interest and support so that KOITA can prepare for tomorrow as your good partner in industrial technology innovation and can lead a better future through 'K-Tech.' Thank you.

Chairman of the Korea Industrial Technology Association (KOITA)

A handwritten signature in black ink, consisting of stylized Korean characters: 구자현 (Goo Ja-hyun).

We will lead innovation through a smart network that connects the whole world.

Former Chairmen

1st~4th

Chairman Shin-Koo Huh
Feb. 1979 – Feb. 1988

President, Geumsung Corporation

5th~6th

Chairman Chae-Gyum Kim
Feb. 1988 – Feb. 1992

Vice-Chairman, Ssangyong Group General
(Current) Chairman, Board of Directors, Kookmin University

7th~10th

Chairman Shin-Ho Kang
Feb. 1992 – Feb. 2003

Chairman, Dong-A Pharmaceutical
(Current) Chairman, Dong-A Socio Holdings

11th~12th

Chairman Young-Seop Heo
Feb. 2003 – Feb. 2010

Chairman, Green Cross

13th~15th

Chairman Yong-Hyun Park
Feb. 2010 – Feb. 2019

Chairman, Doosan Group
(Current) Chairman, Board of Directors, Doosan Yonkang Foundation

16th~17th

Chairman Ja-Kyun Koo
Feb. 2019 – Present

Chairman, LS Electric



Director

- 3M Korea
- AmorePacific
- APEC
- CammSys
- Central
- Cheonil Foods
- Daerim Metal Technology Industries
- Daewoo E&C
- Daeyoung Electronics
- Dongwoo Fine-Chem
- DOUZONE BIZON
- Ecopro
- ESE
- HANSEL GREEN
- Hanon Systems
- Hanwha Solutions
- Himpel
- HL Science
- Huons Global
- Hyundai E&C
- Hyundai Steel
- Hyundai Steel
- Jinsung T.E.C.
- JPI Healthcare
- KCC
- Kisan Electronics
- Korchip
- Korea & Company
- Korea Electric Power Corporation (KEPCO)
- Korea Lost-wax
- Korea Shipbuilding & Offshore Engineering (KSOE)
- Korea Trade Information and Communication (KTNET)
- KT
- Kyungdong Navien
- LIG Nex1
- Lotte Chemical
- Mando
- Medical Dream
- NCSOFT
- Osstem Implant
- PHC Valeo (Kapec)
- Poskom
- PROLANGS
- Roche Systems
- RSupport
- Samyang
- Sanil Electric
- SK Hynix
- SK Innovation
- SOOSAN ENS
- Sungshin Electric
- Woojin
- Youngmu Construction

Auditor

- Woojin ENG
- Hyundai Doosan Infracore

Going beyond customer satisfaction through constant challenge and innovation, we will pioneer a new path for KOITA.

1979

- 1979 Launched the Private Research Institute Establishment Promotion Council



1980 - 1989

- 1981 Founded the R&D Directors Council (currently R&D Directors' Council)
- 1982 Expanded and reorganized KOITA
- 1983 Published First Issue of Technology Management (currently Technology & Innovation)



1990 - 1999

- 1991 Established the IR52 Jang Young-shil Award
- 1991 Started recognition of the Corporate R&D Centers
- 1993 Established the Korean New Technology Recognition System (currently NET Certification)
- 1993 Held First Technology Leaders Summer Forum Managers
- 1996 Founded CTO Club
- 1997 Established KT Club (currently New Excellent Technology [NET] Club)



2000 - 2009

- 2000 Started on the Specialized Researcher Program
- 2002 Enacted the Award for Engineer of the Month (currently Engineer of Korea Award)
- 2003 Opened the online R&D Recruitment Portal (www.mdjob.or.kr)
- 2005 Opened the KOITA Building
- 2007 Opened KOITA Daejeon Branch
- 2008 Opened KOITA Yeongnam Branch
- 2009 Founded the Yeongnam Research Directors' Council (currently Busan-Ulsan-Gyeongnam Technology Managers' Council)



2010 - 2019

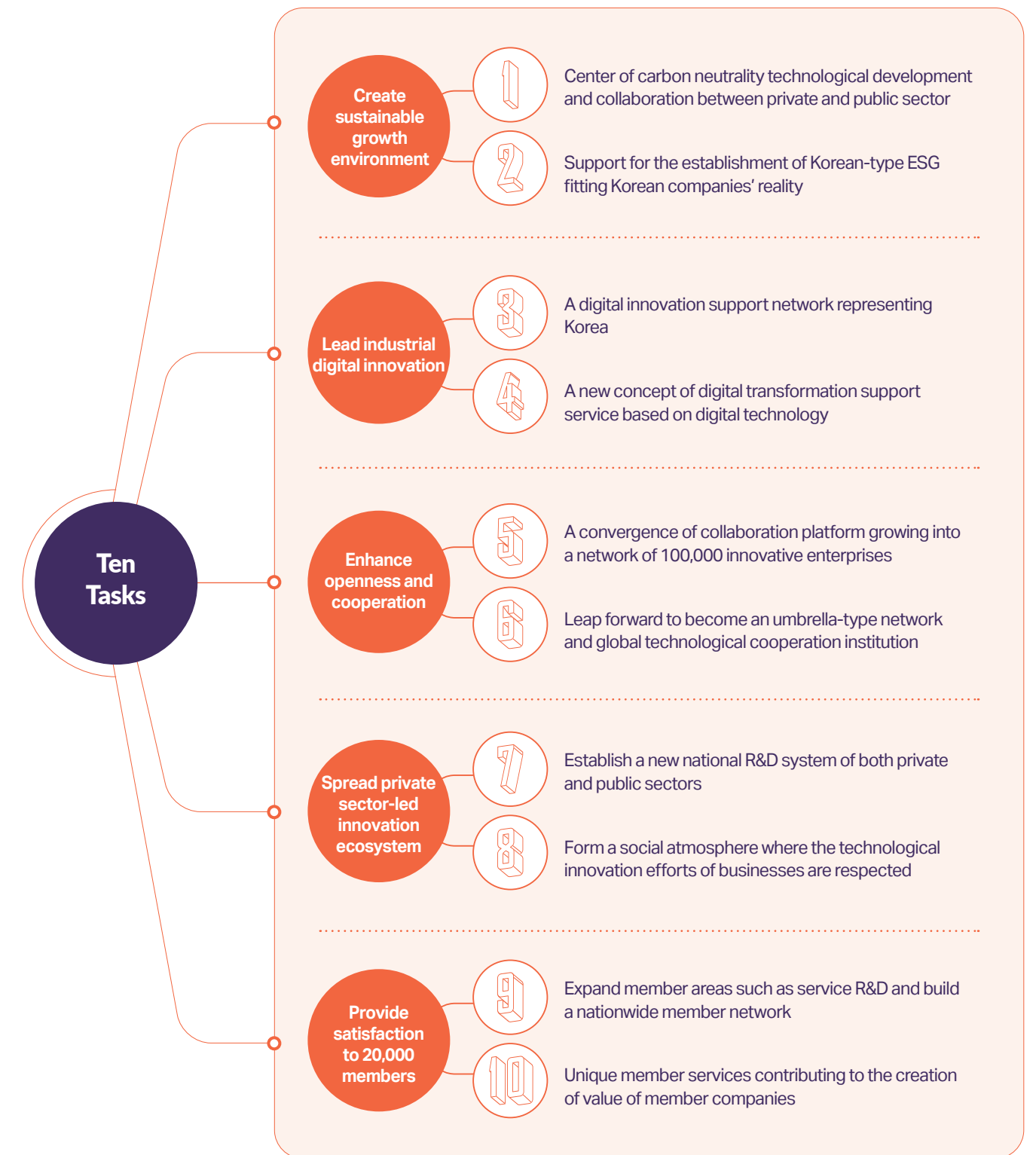
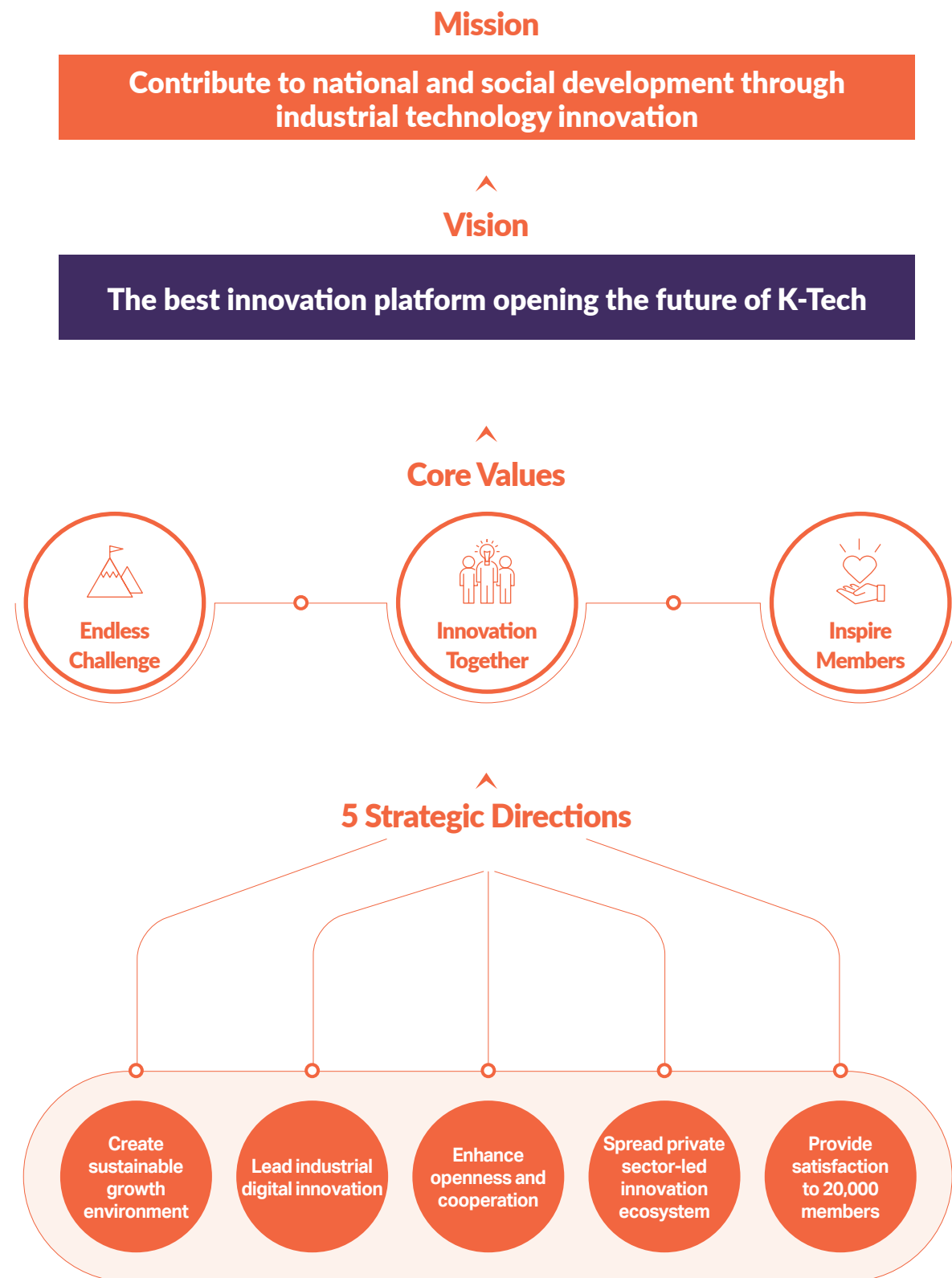
- 2012 Held First KOITA Breakfast Seminar
- 2013 Founded the Daejeon-Chungcheong Technology Managers' Club (currently Chungcheong Technology Managers' Club)
- 2013 Selected First Promising Scholarship Students
- 2016 Received the Presidential Citation for Merit of Industrial Technology Promotion
- 2017 Introduced the Excellent Corporate R&D Center Certification Program
- 2017 Founded the Honam Chief Technology Officers' Club
- 2018 Number of Corporate R&D Centers exceeded 40,000
- 2019 Dr. Ja-Kyun Koo inaugurated as Chairman
- 2019 Held the 40th anniversary ceremony of KOITA



2020 - Present

- 2020 Establishment of Designation System of Excellent R&D Innovation-based Products
- 2021 Launched the Korea DT Initiative
- 2021 Launched the Korea Industrial R&D Forum
- 2021 Number of members exceeded 10,000
- 2021 40th anniversary of the implementation of the Accreditation System for Corporate R&D Centers
- 2021 Held the 30th anniversary ceremony of the IR52 Jang Young-shil Award
- 2022 Founded the CEO Club
- 2022 Founded the Daegu-Gyeongbuk R&D Directors' Council





WE ARE YOUR R&D PARTNER, KOITA

We will be a strong partner for our member companies' technological innovation and sustainable growth.

Main Activities of KOITA

- Establishment · Nurturing of Corporate R&D Centers 
- Digital Innovation Support and IP-R&D Service 
- Domestic and Overseas Technical Cooperation 
- Establishment of Industrial Technology Innovation Network 
- Establishment and Systematic Improvement of Industrial Technology Policies 
- Research and Information Provision 
- Human Resources Development and Technical Manpower Support 
- Certification and Award System 

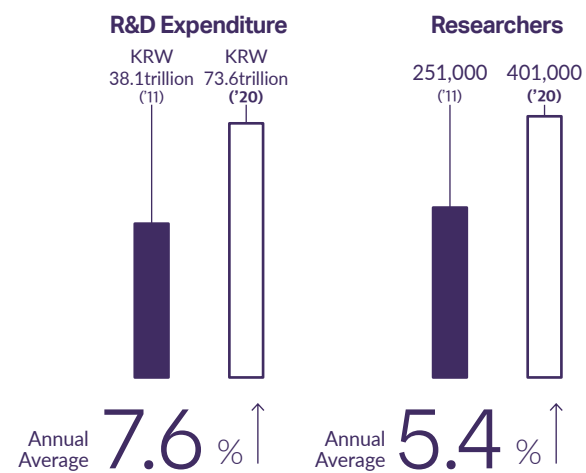
01.

Establishment · Nurturing of Corporate R&D Centers

We help establish and nurture Corporate R&D Centers by receiving the consignment from the government and operating the report and management system for Corporate R&D Centers and R&D departments.

The nearly 44,000 Corporate R&D Centers in Korea are the key subject of national R&D.

- Increased R&D Centers : 1,000 institutes (1991) → 24,000 institutes (2011) → 44,000 institutes (2021)
- The total R&D cost is KRW 73.6 trillion (2020), accounting for 79.1% of the total R&D investment in Korea.
- The total number of researchers is 401,000 (2020), occupying 71.9% of the total R&D manpower in Korea.



The Korean government is providing tax benefits, funds, manpower, etc. to Corporate R&D Centers.

- Tax deduction for R&D personnel development cost, duty exemption for R&D goods, etc.
- Granting of requirements for participating in national R&D projects, support with additional preference points, etc.
- Specialized researcher program for supporting researchers for SMEs, etc.



02.

Digital Innovation Support and IP-R&D Service

For facilitating the digital conversion of enterprises, we support the basis for DT(digital transformation) promotion and construction of systems and provide innovation services based on R&D big data.

We assist cooperation between enterprises and creation of new digital projects for facilitating the DT of enterprises and present directions for national DT policies by operating DT consultant bodies with a special emphasis on leading companies.

Support includes DT-related information and case sharing, matching demand-supply companies, enterprise demand discovery, policy proposals, etc. through regular forums, division commissions, working groups, and solution Day Program

We provide patent analysis (IP&R&D) services based on big data and the cloud for establishing enterprise technological strategies and improving technological competitiveness.

Provision of patent analysis (IP-R&D) reports and search services on analysis of the company and its competitors, specific technological fields, etc.

We provide R&D open platform services for R&D innovation support services based on the cloud.

Provision of special services such as project management service (PMS), electronic research notes (with certified point of time), enterprise R&D diagnosis, and R&D benchmarking and various tools for communication and cooperation

We provide services for searching and matching technological collaboration partners by building and analyzing R&D big data.

Support for discovery and matching of enterprises to collaborate, registration of technologies desired for collaborations, and technology search service using the KOITA R&D data and public data



03.

Domestic and Overseas Technical Cooperation

We help enterprises, universities, and research institutes actively exchange and collaborate with each other, and build close cooperative ties with overseas agencies, thereby supporting Korean enterprises' entrance into the global market.

We support enterprise R&D activities such as tasks discovery and technical support through network activities with universities and research centers with special emphasis on Corporate R&D Centers.

- Support for strengthening the R&D capabilities of corporate R&D centers
- Operation of the SOS1379 Support Center (www.SOS1379.go.kr)
- Support for SOS1379 Technology Problem Solution (www.SOS1379.go.kr)
- Retired Scientists and Engineers for Advancement of Technology Support Center (www.reseat.or.kr)

We dispatch technology research groups to various countries and cooperate with overseas institutions to support the overseas technological collaboration of Korean companies and globalization in R&D.

International Data Spaces Association (IDSA), Fraunhofer Institute, German Electro and Digital Industry Association (ZVEI), Innovation Research Interchange of the US (IRI), Vietnam State Agency for Technology Innovation (SATI), National Association for R&D&E of Innovative Enterprises of Brazil (ANPEI), Singapore Agency for Science, Technology and Research of Singapore (A*STAR), Ukrainian Chamber of Commerce and Industry (UCCI), European Industrial Research Management Association (EIRMA), Japan Techno-Economics Society (JATES), Japan Research Industries and Industrial Technology Association (JRIA), China Association for Science and Technology (CAST), Australian Innovation Research Group (AIRG), etc.



04.

Establishment of Industrial Technology Innovation Network

We support exchange between companies and operate various group meetings for collecting broad opinions from all levels of Industry.

CTO Club A gathering of the highest technology management executives of large enterprises that shares and exchanges information related to new industries and technological innovation trends

R&D Directors' Council A gathering of R&D directors of Corporate R&D Centers and technology management executives in Korea

New Excellent Technology Club A gathering of CEOs in SMEs that have acquired awards, certificates, and designations from KOITA to create a cooperative system for exchanging technology and information between members and promoting joint project

CEO Club A gathering of representatives of SMEs and mid-sized companies that shares information on technological innovation and latest technologies, strengthens open R&D and business capabilities, and facilitates exchange between different types of occupations

Bu-Ui-Gyeong CEO Council A gathering of CEOs of enterprises, R&D directors, and executives in charge of technologies in enterprises located in Busan, Ulsan, and Gyeongnam for strengthening mutual cooperation between local enterprises and exchanging technology and information

Chungcheong Chief Technology Officers' Club A gathering of CEOs, R&D directors, and executives in charge of technologies of enterprises in Daejeon, Sejong, and Chungcheong that strengthens cooperation between local companies and exchanges technology and information

Honam Chief Technology Officers' Club A gathering of CEOs, R&D directors, and executives in charge of technologies of enterprises in Ho-nam that strengthens cooperation between local companies and exchanges technology and information

Daegu Gyeongbuk Chief Technology Officers' Council A gathering of representatives for companies in Daegu and Gyeongbuk that strengthens cooperation between local companies and exchanges technology and information

TI Club (Technology Innovation Club) A cooperative gathering of major industrial technology groups, which exchanges opinions on major issues related to industrial technologies and jointly responds

* 13 councils and groups such as the Korea Venture Business Association, INNOBIZ, KOSDAQ Listed Companies Association, and Korean Venture Capital Association



05.

Establishment and Systematic Improvement of Industrial Technology Policies

We identify the technological innovation demands in industrial circles and present the plan for enhancing the industrial technology policies and support systems based on their analysis.

We directly participate in establishing major industrial technology policies and institutions.

- Participation in the establishment of the S&T Basic Plan
- Participation in the establishment of mid- and long-term investment strategies for national R&D
- Participation in the establishment of the private R&D revitalization policy
- Submission of opinions related to industrial technological policies and participation in the enactment and revision of various laws and ordinances
- Participation in the improvement and evaluation of the national R&D project management systems

We lead the improvement of industrial technological support systems by collecting opinions from the industrial circles and suggesting measures to the Korean government.

- Suggestion of opinions for improvement of technological development support systems related to taxes, customs, funds, and manpower
- Submission of suggestions for evaluation of tax and local tax exemptions related to R&D
- Adjustment of items for R&D supplies for customs exemption
- Presentation of results of survey on issues on industrial technological policies and improvement plans (materials, parts and equipment, COVID-19, etc.)
- Presentation of long-term strategies for strengthening industrial competitiveness, the 'Industrial Technological Innovation 2030'
- Opening of conferences, public hearings, forums, etc. for transmitting enterprise opinions related to technological innovation support policies

We operate the Korea Industrial R&D Forum for enterprises to take the lead in discovering and reflecting promising technology demands in national R&D investment.

Representative companies in major industries with promising future growth gather together and discover and suggest R&D demands of enterprises to the government

* In 2021, consultative body for carbon neutrality and smart sensor (71 enterprises participating)

* In 2022, consultative body for carbon neutrality, renewable energy, high-tech bio, future mobility, and digital transformation (121 enterprises participating)



06.

Research and Information Provision

We provide optimal data for establishing R&D strategies of enterprises and the government through study and research on R&D activities in industrial circles.

- Research of R&D investment and manpower prospects, and major issue studies in relation to the R&D of enterprises, etc.
- Discovery of opinions on regulations improvement related to R&D activities of enterprises and suggestion of opinions to the government
- Calculation of national R&D statistics such as industrial circle R&D activities research and technology trade, and provision of the results as indicators when establishing national R&D plans
- Publication of research reports such as 'Research and Analysis of Public Research Performance Utilization by Enterprises' ('22), 'Analysis of Evaluation of Corporate R&D Centers' ('21), and 'Industrial Technological Innovation Policies Desired by Enterprises for the next government' ('21)

We rapidly provide the latest data and special information related to technological innovation, helping technological innovation of enterprises.

- Publication of periodicals such as 'Technology & Innovation', and 'DT Quarterly'
- Publication of information provision manuals for persons in charge of R&D in enterprises such as 'Guide for Corporate R&D Support System', 'Practical Manual for R&D Taxes Support', and 'Guidelines for R&D Activities'
- Provision of the latest technological trend information and summary issued by around 70 industrial technology special institutions through e-mail/Kakao Talk



07.

Human Resources Development and Technical Manpower Support

We operate talent development programs for strengthening capabilities of researchers and research planning managers in industrial circles, and support the employment of science and engineering professionals who will take charge of the technological innovation of enterprises.

We operate the next-generation CTO training course (NexCTO) for providing know-how for establishing R&D strategies and solving problems of the former and current CTOs in large enterprises for the first time in Korea.

Provision of innovative insight through R&D experience cases of former and current CTOs in large enterprises from the perspective of S (Strategy)-P (Process)-R (Resource)-O (Organization) and theoretical analysis and lectures by special professors

We operate special, high-level talent development programs for nurturing technological innovation professionals with theoretic knowledge and practical work abilities.

- Technological innovation training courses for business administration strategies, technological strategies, and R&D commercialization
- Training courses for special technologies targeting technicians related to universities and government-funded research institutes
- Innovation training courses customized for each position for department managers and working-level staff for technological management
- Business management support training courses such as human resources, general affairs, finances, taxes, document preparations, and communication

We help job-seekers in natural sciences and engineering and enterprises that want to employ workers actively connect.

- Operation of R&D Job (www.ndjob.or.kr), a recruitment website for natural sciences and engineering majors
- Opening of online/offline employment expositions for people in natural sciences and engineering
- Operation of employment academy for supporting customized employment support
- Provision of content for connecting employment of high-level researchers and employment support content through operation of employment consultation center

We create jobs for natural sciences and engineering professionals, and perform employment-support projects to help the technological innovation of enterprises.

- Young Researcher Recruiting Support Program (www.smtech.go.kr, www.iris.go.kr)
- Senior experienced researcher Recruitment Support Project (www.smtech.go.kr, www.iris.go.kr)
- Selection of military service designation company (special researcher system) (www.ndjm.or.kr)

We are performing a job mismatch eradication project to strengthen the expertise and R&D capabilities of unemployed natural sciences and engineering majors and support their job search.

- Training project for technologies in natural sciences and engineering fields (snejob.koita.or.kr)
- Training project for technologies for Master and Doctoral candidates (snejob.koita.or.kr)

08.

Certification and Award System

We take the lead in boosting the morale of researchers and forming the foundation for industrial and technological innovation while helping technological commercialization through new technology certification systems and various awards.

NET(New Excellent Technology) certification

We discover new domestically developed technologies in the early stages and support their early advancement into the market by certifying their excellence in promoting commercialization and technology trade, and enhancing the reliability of new technology products (introduced in 1993)

NEP(New Excellent Product) certification

We recognize the products employing technologies that have been developed in Korea for the first time in the world or alternative technologies and facilitate finding initial markets for the products and the technological development (introduced in 1993)

Disaster Safety Product Certification

We secure public confidence in functions, properties, and quality of disaster safety products, which are closely related to daily lives of Koreans, improve the national safety levels, and contribute to minimizing the damage from disasters (introduced in 2018)

Green Technology Certification

We certify promising green technologies, green technology-based products, and green enterprises that save and efficiently use energy and resources and minimize the discharge of greenhouse gases and pollutants and support their commercialization (introduced in 2010)

Designation of Excellent R&D Innovation-based Products

We designate products acknowledged for technological innovation which have commercialized technologies from national R&D projects as excellent R&D innovation products and support public procurement (introduced in 2020).

Excellent Corporate R&D Center Certification

We designate Corporate R&D Centers with superb value creation through technological innovation capabilities and technology commercialization and nurture them as the R&D leaders (introduced in 2017)

IR52 Jang Yeong-shil Award

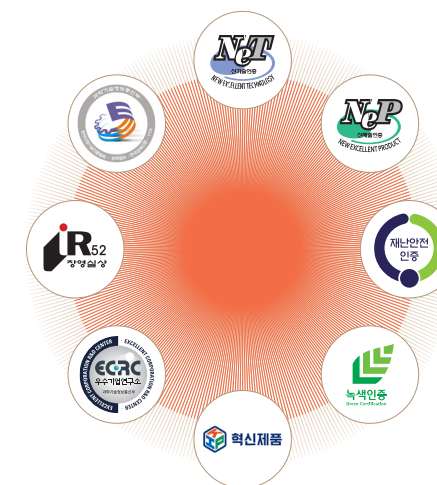
An award for products, researchers, and R&D organizations with excellent originality, economic efficiency, and technological prowess as well as superior technological innovation performance among new products and their developers (introduced in 1991)

Engineer of Korea Award

We discover excellent engineers who have greatly contributed to the development of national competitiveness and enterprise growth through technological innovation on industrial sites and grant the award to one person in a large enterprise and one person in an SME every month and to six female engineers every year (introduced in 2002)

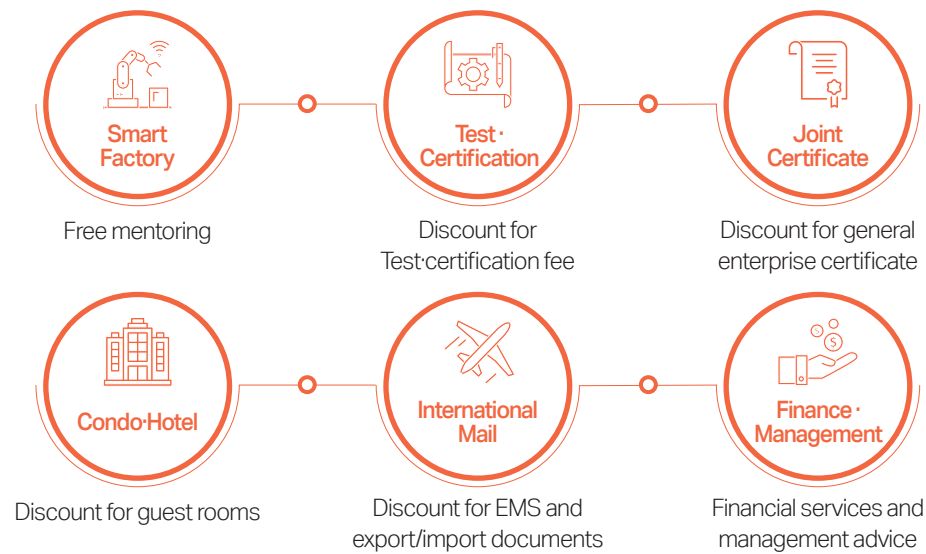
Recommendations for Medals and Citations for Industrial Technicians

We recommend industrial technicians who have greatly contributed to the national industrial development through new technology development and commercialization for government prizes or the like



Benefits for KOITA Members

Affiliate Discount Service



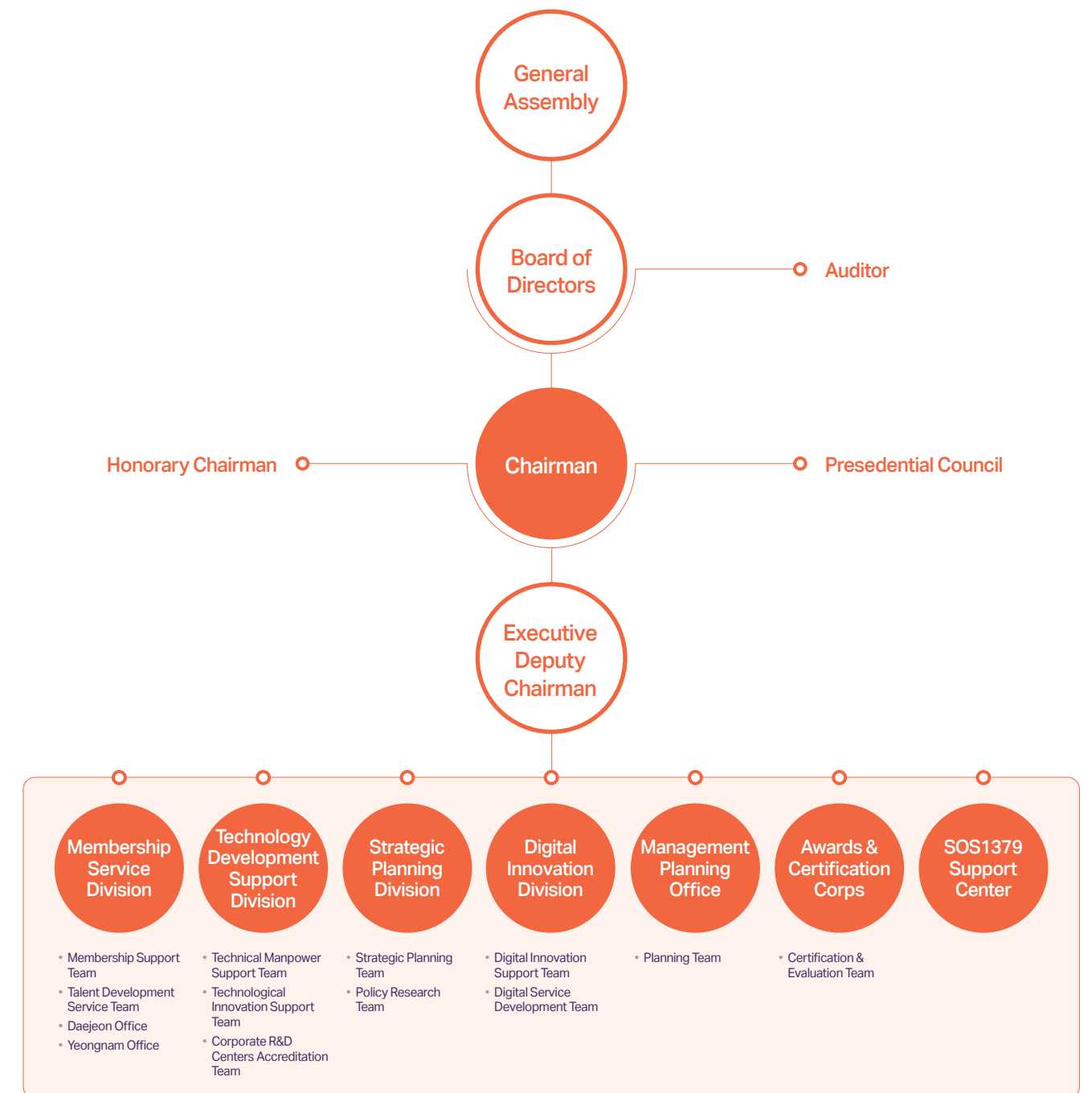
Benefits for New Members

- ▶ Signboards for Corporate R&D Centers/Departments in charge and member ID cards (once)
 - ▶ Books such as R&D-related periodicals issued by this association over the past one year
 - ▶ Discount for leasing conference rooms (executive companies 40%, member companies 30%)
 - Grand Hall (accommodates 100-120 people)
 - Middle Conference Room (accommodates 25 people)
- ※ We also have a small conference room. Please refer to our website (www.koita.or.kr) for more details.

Provision of Technological Innovation Information of Member Companies On/Offline

- ▶ Official YouTube Channel "KOITA TV"
We upload around 60 clips of video content a year, such as live streaming of breakfast seminars and summer forums, introduction of special issues of our 'Technology and Innovation' magazine and our monthly projects, and the Technological Innovations We're Doing Together
- ▶ Kakao Talk Channel Service, R&D Knowledge Here "AI-Ji-Yo"
We operation our own official Kakao Talk channel and push message service every Wednesday, and rapidly provide information on government R&D projects, research reports, policy data, innovation news, etc.

Organization Chart



Seoul Headquarters

37, Baumoe-ro 37-gil, Seocho-gu, Seoul, 06744, Korea
KOITA Office (20-17 Yangjae-dong)
Tel. 02-3460-9114

Daejeon Office

593 Daedeok-daero, Yuseong-gu, Daejeon-si, 34112, Korea
Rm. 807 Daedeok TechBiz Center (386-2 Doryong-dong)
Tel. 042-862-0002

Yeongnam Office

24 Hwangryeong-daero, Busanjin-gu, Busan, 47354, Korea
4F, Busan Chamber of Commerce (853-1 Beomcheon1-dong)
Tel. 051-642-2953