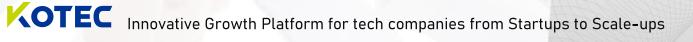
KOTEC's Digital Transformation

Tech-mate:

Connecting the Value of Technology with Data

Seok-Kyun Park _ Deputy Director | Global Cooperation Center







Contents



I About KOTEC

Transition to Non-Face-to-Face & Business Automation

KOTEC's Digital Innovation



Q Objective

Facilitates funding for tech-based innovative SMEs

through the implementation of the technology guarantee system

Implemented
Carbon Valuation Model
Supporting green-tech SMEs

Launched KPASPatent Appraisal System

- **Organization** (2024)
- **⊘** 8 Regional HQ, 79 Branches
- **⊘ 1,501 Employees (304 PHDs, 1,106 experts)**
- © Establishment

Established under the Special Law in 1989 (KOREA TECHNOLOGY CREDIT GUARANTEE FUND ACT)

2005 **Developed KTRS**

Specialized tool evaluating tech-based innovative SMEs

2014 Started the Tech-Bridge

Technology Transfers & Commercialization System



Major Businesses



KRW 28.2 T (81,962 SMES)

 Guarantee support for SMEs with high future value and strong technological capabilities, despite limited collateral



6,872 (Since 2014)

 Tech Transfer b/w public research institutes or universities and SMEs, and financial support for commercialization

KRW 306 B (343 SMEs)

 Direct investments for outstanding tech- startups, regional enterprises, and technology innovation firms.

KRW 468 B (Since 2018)

 Guarantee support for social venture companies pursuing both social and economic value

- Evaluation of intangible technologies based on technology merit, marketability, and business viability utilization as financial and non-financial support mechanisms.
- Conducting technology evaluations for in-house use and outside parties.





Transition to Non-Face-to-Face &

Business Automation

Transition to Non-Face-to-Face Business







Non-visit System

< Digitally available >

- Guarantee Application
- Guarantee Agreements
- Guarantee Extension
- Document Submission

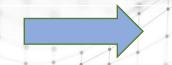
Increased Convenience

- Simplified Process
- Automatic Document Submission (Scraping)
- Various Digital Certificates

Positive Impacts

- Saves 95,886 hours annually for customers
- Increases satisfaction
- Reduces greenhouse gas emissions

Reduction of travel distance by 3 million km



Reduction of 300 tons of greenhouse gases

Business Automation(RPA)



First public institution to introduce virtual server RPA

RPA?

Robotic Process Automation









Examples of RPA



ExampleIntellectual Property Post-Management



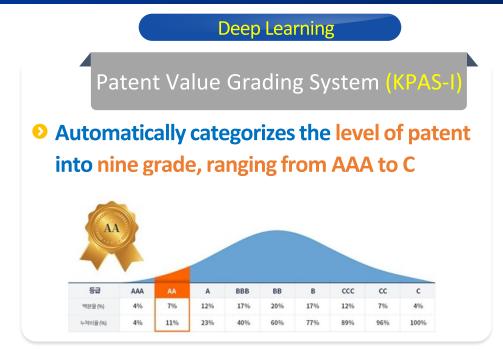
- Tasks 11(2019) → 91(2023)
 - Annual Savings60,093 hours
 - # of Tasks by RPA 1,249,155(42h)
- Wage savings effect KRW 2.8B(EUR 2M)





Automated Patent Evaluation System (KPAS)

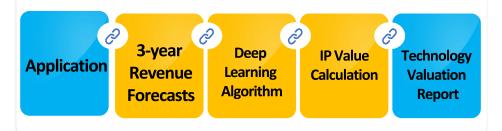




Big Data Analysis

Patent Value Calculation System (KPAS-I

Automatically calculates the monetary value of patent,
 leveraging AI trained with revenue approach data





IP Valuation Guarantee

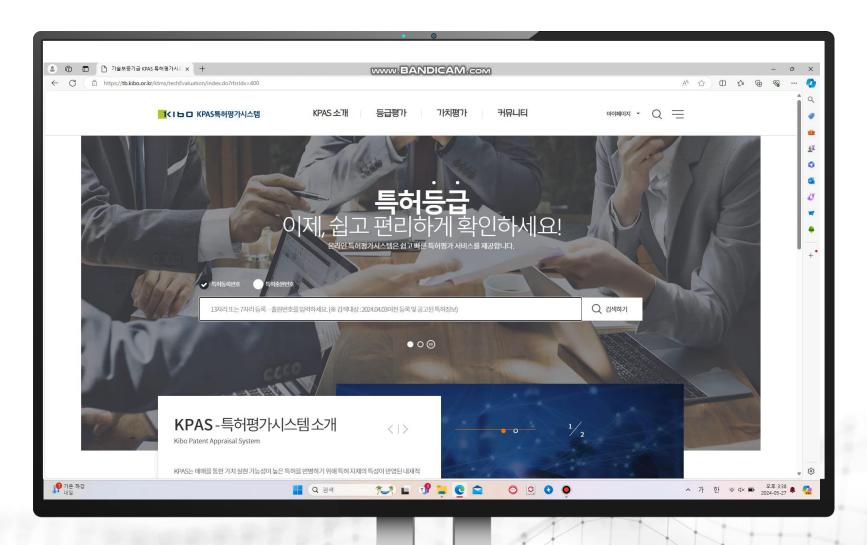
IP Value Guarantee

IP Fast Guarantee

IP Grade Guarantee

Demonstrating the Patent Automatic Evaluation System (KPAS)



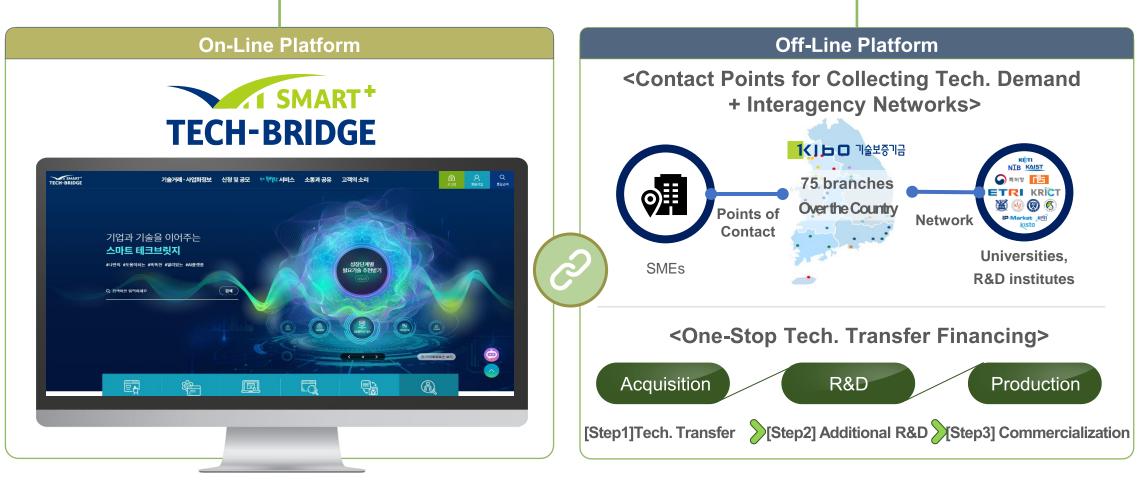




Technology Transfer Platform



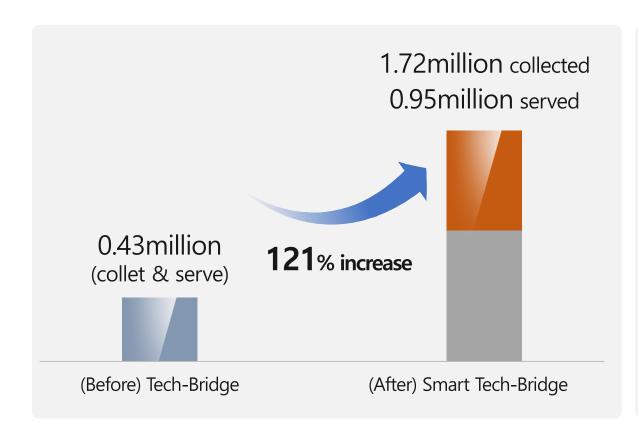
On&Off-Line Hybrid Tech. Transfer and Commercialization Framework

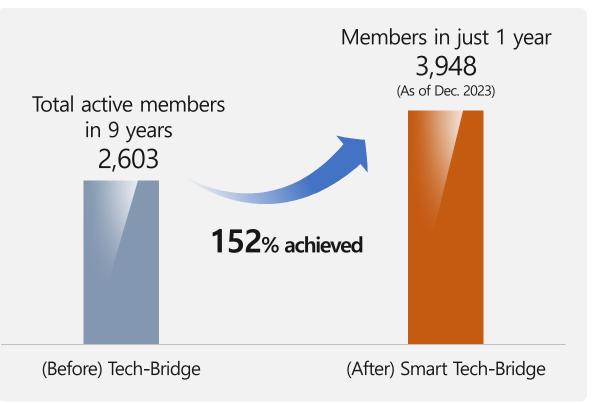




Performance of Smart Tech-Bridge







Supply Techinformation

Membership account



