

# Beyond Technology Guarantee

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Korea Technology Finance Corporation

Manager, Chunku Lee (Technology Guarantee Department)

Manager, Eun Hee Lee (Seoul Technology Appraisal Center)

## 1. Introduction

- **Economic Miracle:** Korea had a severe lack of natural resources and its social infrastructure had been devastated over the Korean War. However, GNI per capita increased almost 100 times within four decades. (1953 \$67 -> 2016 \$27,561)

- **KOTEC's mechanism** is a very good way to boost technological innovation of SMEs and create a new growth engine for the Korean economy by improving technology financing practices.

- **KOTEC's Objective:** To attribute to the National Economy by providing financial support primarily in the form of credit guarantees based on technology appraisals.

- **Three Target Clients:** Tech-based start-ups, New growth engine industries which government focuses, Creative industry SMEs

### -History of KOTEC

- **Organization:** 7 departments in headquarter, 54 branches (Technology appraisal center), 6 convergence center, 3 cultural content finance center, 1 technology appraisal institute, 1,156 staffs

### -Process of technology guarantee issuance

- **Technology appraisal:** Aims to provide quantitative analysis of a company's business prospects.

- **KTRS (KOTEC's Technology Rating System):** KTRS is the unique tool to screen promising startups and to make support decisions by evaluating technology, business feasibility, and marketability of SMEs.

## 2. Technology Guarantee Programs

- **Technology Guarantee by growth stage:** Pre & startup -> Growth -> Maturity -> Marginal

- **Specialized Supporting Program:** IP investment, Investment option, Job creation, First, Smart factory, Meister Technology, Cultural industry completion

- **Size of Technology guarantee and Guarantee supply** (about USD 20 trillion) for **3 major support areas**

## 3. Going beyond Guarantee for SMEs

Beyond the credit guarantee, KOTEC developed **special supporting programs** for the SMEs such as guarantee linked investment, technology transfer system KTMS(KOTEC Technology matching system) and Technology management consulting. By using these special supporting programs, KOTEC will provide substantial benefits to SMEs and support the growth of SMEs.

## 4. Conclusion

KOTEC will lead Era of 4<sup>th</sup> Industrial Revolution with Technology-oriented **Start-up Platform**