<table>
<thead>
<tr>
<th>Statutory Law</th>
<th>Korea Technology Finance Corporation Act</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corporate Status</td>
<td>Non-profit Government-affiliated Institution</td>
</tr>
<tr>
<td>Mission</td>
<td>To provide financial supports to innovative SMEs</td>
</tr>
<tr>
<td>Competent Authority</td>
<td>Ministry of SMEs and Startups (MSS)</td>
</tr>
</tbody>
</table>
I. INTRODUCTION

HISTORY

1989. 4. KOTEC was founded

1997. 3. Opened the first Technology Appraisal Center

1999. 2. Implemented Technology Appraisal Guarantee System

2005. 7. Developed the new KOTEC Technology Rating System (KTRS)

2007. 1. All guarantees unified into Technology Appraisal Guarantee Scheme

         KTRS was Patented

2015. 1. Launched a technology Transfer system

2016. 1. Implemented “Technology Credit Appraiser” certificate system for the public

2017. 7. Competent Authority Changed

         (Financial Services Commission → Ministry of SMEs & Startups)
I. INTRODUCTION

ORGANIZATION

Steering Committee
- Chairman & President
- Executive Vice President
- Executive Directors

Board of Directors
- Chief Audit Executive

Secretariat

Audit & Inspection Office

Human Resources 1,352 employees

Business Network Regional Headquarters 7, Branches 74

<table>
<thead>
<tr>
<th>7 Regional Headquarters</th>
<th>59 Technology Appraisal Center</th>
<th>1 Central Technology Appraisal Institute</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 Technology Innovation Center</td>
<td>3 Cultural Content Finance Center</td>
<td>1 Institute of Future Innovation</td>
</tr>
<tr>
<td>1 Venture Investment Center</td>
<td>1 Social Venture Valuation Center</td>
<td></td>
</tr>
</tbody>
</table>
I. INTRODUCTION

MAJOR OPERATION

Technology Appraisal

Credit Guarantee
Guarantees for liabilities assumed by tech SMEs

Technology Transfer
IT platform of KOTEC's technology transfer

Guarantee-Linked Investment
Appraises future values of the technology

Management Advisory
diagnosis and consulting, education and training, mentoring and M&A, etc.
## Guarantee Institutions in Korea

<table>
<thead>
<tr>
<th>Institution</th>
<th>Full Name</th>
<th>Establishment</th>
<th>Management Ministry</th>
<th>Target Clients</th>
<th>Corporate Rating System</th>
</tr>
</thead>
<tbody>
<tr>
<td>KODIT</td>
<td>Korea Credit Guarantee Fund</td>
<td>1976</td>
<td>Financial Services Commission</td>
<td>SMEs in General</td>
<td>Credit Rating System</td>
</tr>
<tr>
<td>KOTEC</td>
<td>Korea Technology Finance Corporation</td>
<td>1989</td>
<td>Ministry of SMEs and Startups</td>
<td>Tech-based/Innovative SMEs</td>
<td>KOTEC Technology Rating System (KTRS)</td>
</tr>
<tr>
<td>KOREG</td>
<td>Korea Regional Credit Guarantee Foundation</td>
<td>1996</td>
<td>Ministry of SMEs and Startups</td>
<td>Regional Micro/SMEs</td>
<td>Credit Rating System</td>
</tr>
</tbody>
</table>
II. TECHNOLOGY GUARANTEE

TECHNOLOGY GUARANTEE SCHEME

1. Application for Loans
2. Consultation and Application for Technology Guarantee
3. Credit Investigation and Technology Assessment
4. Approval of Credit Guarantee
5. Issuance of Letter of Guarantee
6. Provision of Loans

Government

Supervision & Contribution of Capital

KOTEC

Contribution of Capital

SMEs

Financial Institutions
II. TECHNOLOGY GUARANTEE

New Programs for Supporting Innovative SMEs

**Industry 4.0 FIRST Guarantee**
Enhancing competitiveness of high-tech industries that will lead 4th Industrial Revolution

**4.0 Smart Factory Guarantee**
Enhancing competitiveness of the Korean manufacturing industry by promoting construction of smart factories

**TECH Valley Guarantee**
Enhancing competitiveness of startups established by high-caliber individuals in universities (U-Tech Valley) and public research institutions (R-Tech Valley) with excellent research records

**Pre-Unicorn Guarantee**
Fostering large-scale growth funds for Startups with high potential to be a Unicorn Company

**Social-Venture Impact Guarantee**
Enhancing competitiveness of social companies that create ‘social values’
The “Korea-Sweden Social Entrepreneurship Dialogue” was held on June 15 with the participation of Norrsken Foundation in Stockholm and Korea Technology Finance Corporation (KOTEC)
Morethan was founded in 2015 and launched his brand Continew in 2017 after two years of R&D.

More Than

Our Sustainable Goal by Triple bottom line

- Animal Free, Ethical Made, Sharing Value
- Social Value
- Economic Value
- Social Impact
- Environmental Value

Reduce Waste, Save Resource
was founded in 2015 and launched his brand Contained in 2017 after two years of R&D. The company started out with three workers but saw growth to 16 full-time staff a year later. It exports about 180 items to 15 countries including the U.S., Germany, France, Spain and Japan with an estimated monthly turnover of USD 180,000.
### TECHNOLOGY APPRAISAL INFRASTRUCTURE

#### KOTEC’s Staff
- Technology Appraisal Experts: 945
- PhDs: 244

#### External Network
- External Advisor: 1,074

#### External Institutions
- Total: 24

<table>
<thead>
<tr>
<th>Year</th>
<th>Total Employees</th>
<th>Technology Appraisal Experts</th>
<th>Ph.D Degree holders (or equivalent)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>1,102</td>
<td>923</td>
<td>154</td>
</tr>
<tr>
<td>2015</td>
<td>1,126</td>
<td>936</td>
<td>168</td>
</tr>
<tr>
<td>2016</td>
<td>1,156</td>
<td>936</td>
<td>190</td>
</tr>
<tr>
<td>2017</td>
<td>1,211</td>
<td>939</td>
<td>215</td>
</tr>
<tr>
<td>2018</td>
<td>1,304</td>
<td>952</td>
<td>239</td>
</tr>
<tr>
<td>2019</td>
<td>1,352</td>
<td>945</td>
<td>244</td>
</tr>
</tbody>
</table>

- Manpower: out of 1,352 employees, +18% are PhDs, +40% majored in Science/Engineering
III. TECHNOLOGY APPRAISAL

stands out the only quantitative tech assessment tool

- EIB reports selected KOTEC’s case as one of the best practice to reduce information asymmetry by providing technology assessment

KOTEC stands out as the only Quantitative tech assessment tool that has been developed specifically for highly innovative companies such as KETs

Innovation agencies mostly rely on qualitative assessment of technology
