



ASIA PACIFIC
PANDEMIC
PREPAREDNESS AND RESPONSE
REGIONAL FORUM



WORLD BANK GROUP



Ministry of Economy
and Finance

ETRI Technologies and Its Application to COVID19

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ETRI in Numbers

ECONOMIC RIPPLE EFFECT (1976~2016)

303 Billion USD

Economic Effects of 10 Major Technologies
: TDX, CDMA, W-CDMA, WiBro, OLED/AMOLED,
DRAM, 4K UHD, DRAM, LTE/LTE-A, Tic-Toc

- Artificial Intelligence Computing Research
- Superintelligence Creative Research
- Hyper-reality Metaverse Research
- T/NTN Integrated Telecommunications Research
- Digital Convergence Research
- ICT Strategy Research

R&D Budget

514 Million USD

Personnel

2,300

Number of Patent &
International Standard

1st

Startups/Spinoffs

117

**ETRI R&D Leading Korea,
the World's Strongest ICT Nation**





SugenTech

- Ubiquitos Bio Chip Identification
- Microelectromechanical System
- Korea's first FDA Emergency Use Authorization Home Kit
- Over 7,500 million USD annual yearly sale as of 2022
- Exports to more than 90 countries worldwide
- Opened its first research lab in Sejong TechValley
- World's first blood based tuberculosis diagnostic kit

