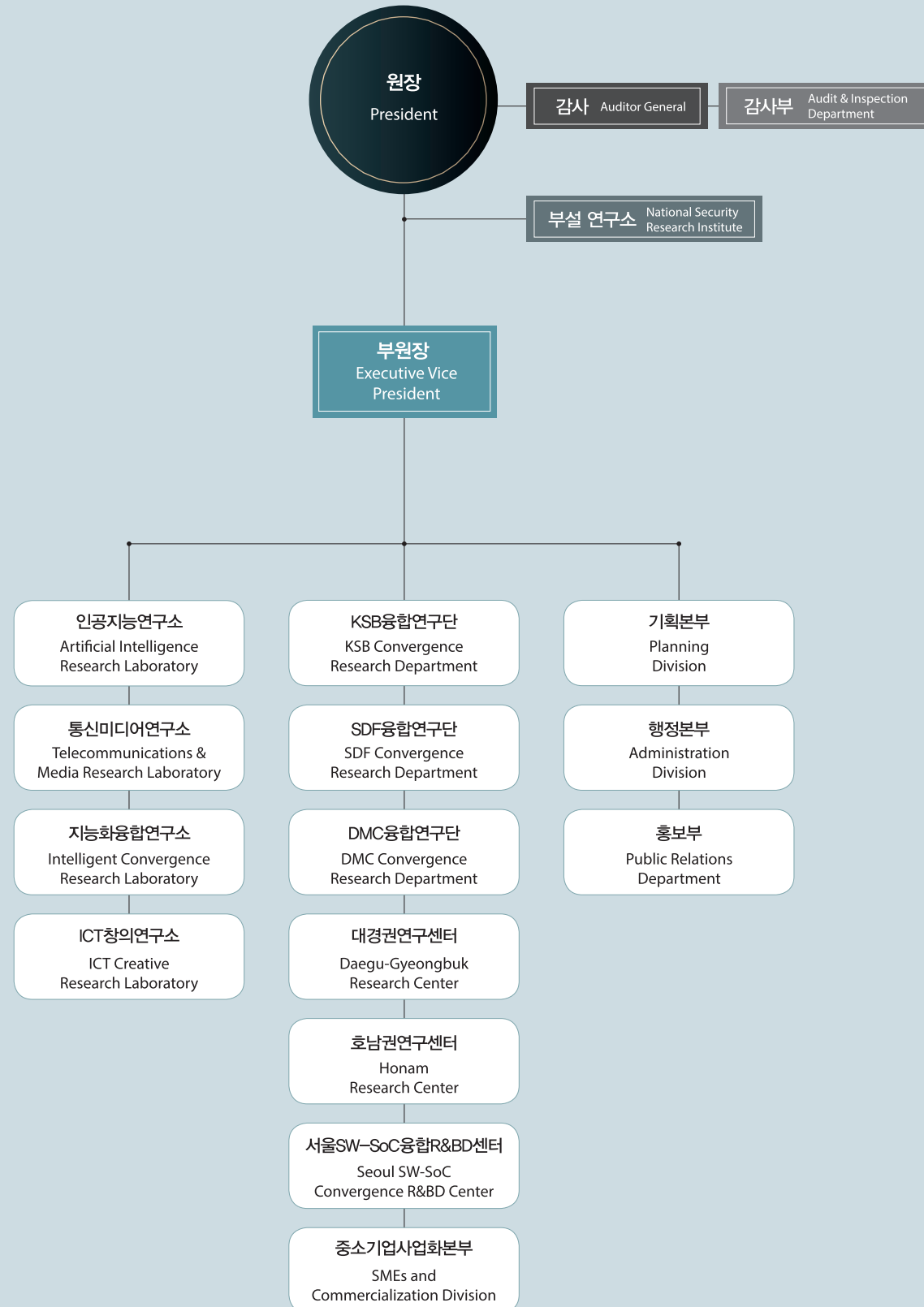
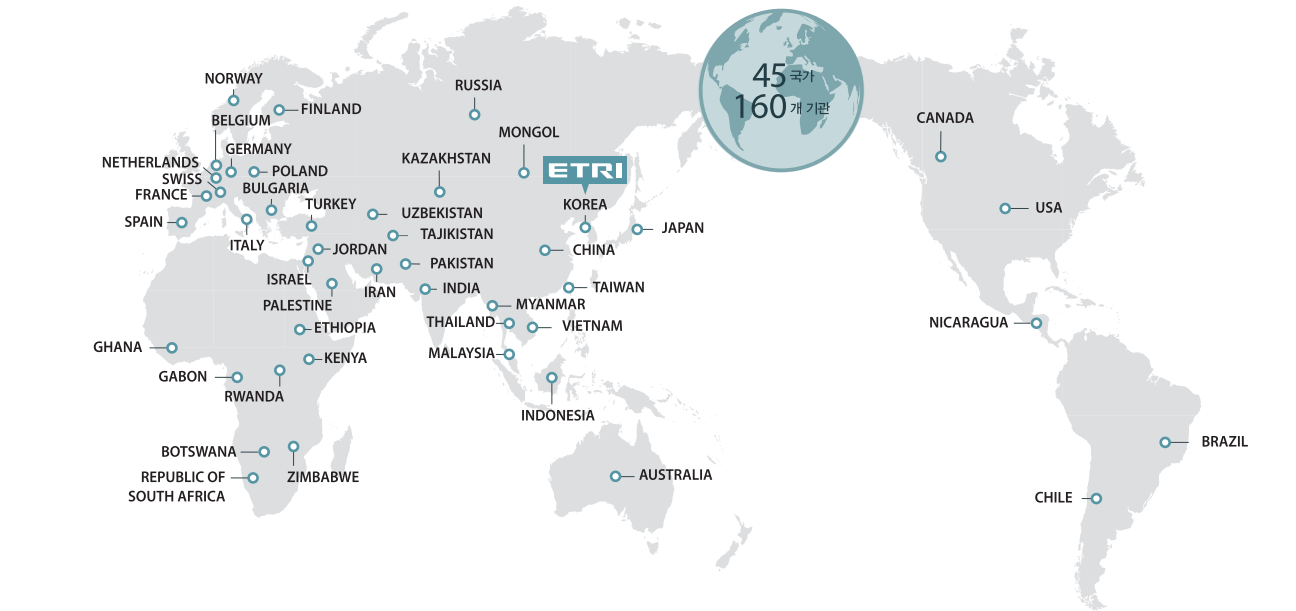


Organization
조직도



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글로벌 R&D 협력 네트워크



- | | |
|--|---|
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Mytel / UCSY(University of Computer Studies, Yangon) / West Yangon Technological University / Ministry of Education</p> <p>INDONESIA
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Vesa Inc. / ONRG</p> <p>CHINA
Tongji University / TSMC / Beijing Jiaotong University</p> <p>POLAND
Warsaw University of Technology / PUT</p> <p>FINLAND
University of OULU</p> <p>BULGARIA
IOMT-BAS</p> <p>ZIMBABWE
GHANA
Council for Scientific and Industrial Research</p> <p>NETHERLANDS
WLR</p> <p>NORWAY
Sintef Ocean AS(MARINTEK)</p> <p>AUSTRALIA
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Rwanda Information Society Authority / Ministry of Infrastructure</p> <p>TURKEY
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ENAVTEL</p> <p>TAJIKISTAN
Technological University of Tajikistan</p> <p>JORDAN
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National Agency of Digital Infrastructures and Frequencies</p> <p>USA
BOTSWANA
DIS Botswana</p> |
|--|---|

· ETRI BEIJING R&D CENTER : Room 2011, Air China Plaza, 36 Xiaoyunlu, Chaoyang District, Beijing 100027, CHINA Tel : +86-10-8447-5215
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Prepare for future growth by vitalizing creative and challenging research.

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Generate world-class top-tier R&D performance.

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국민생활문제해결 및
중소기업지원 확대

Resolve the living issues of the public and expand support for SMEs.

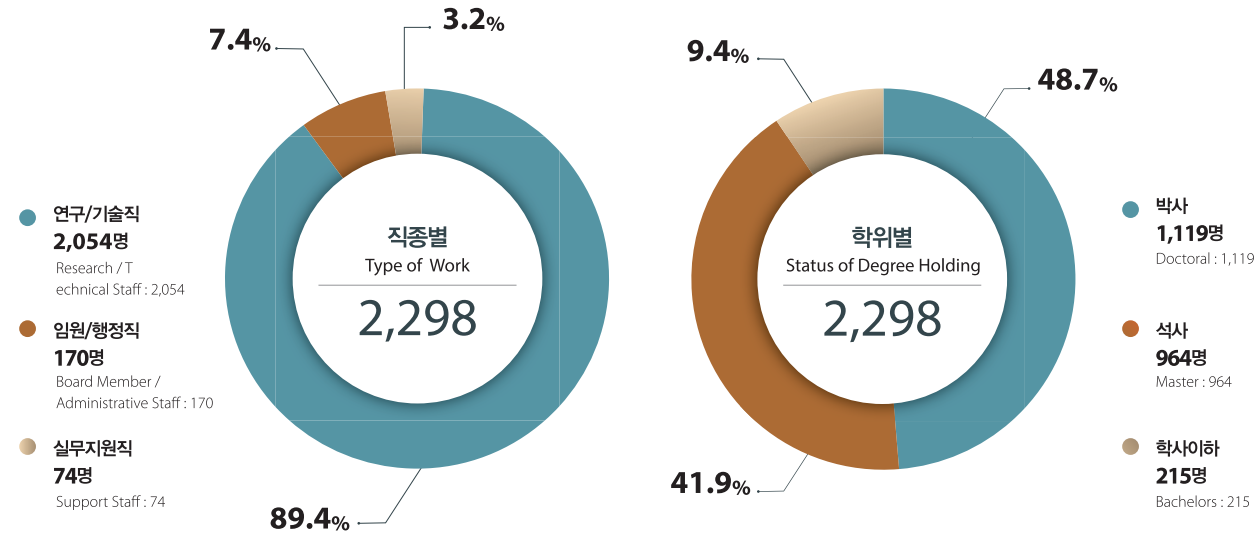
개방·공유·협업 기반의
연구문화 정착

Establish a research culture that is rooted in openness, sharing, and cooperation.

PERSONNEL

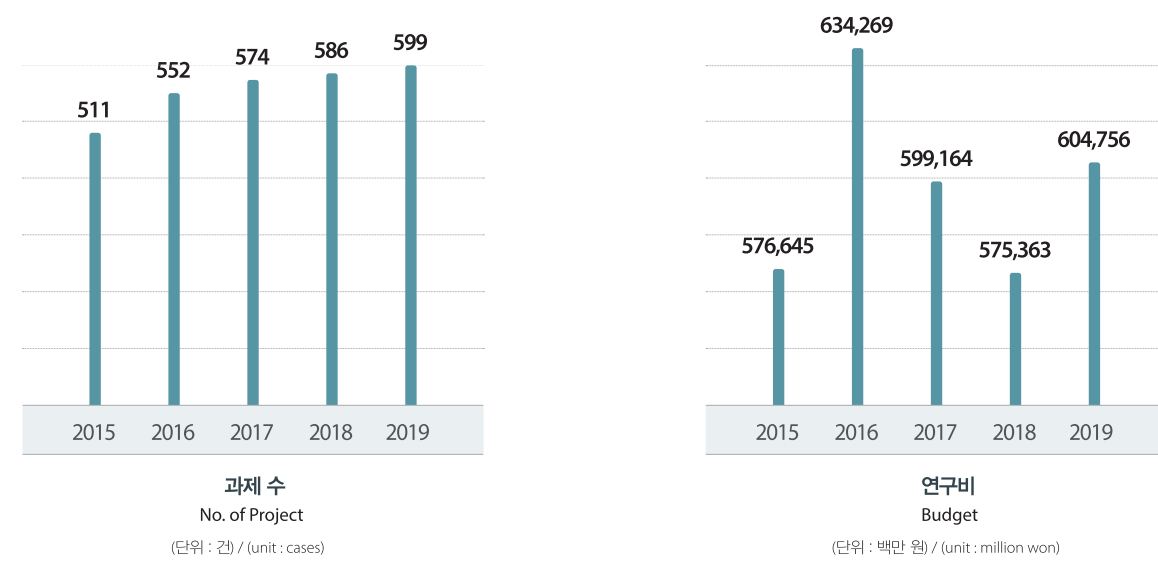
인원현황

2020.06.09. 현재기준
As of end of June, 2020



PROJECT STATUS

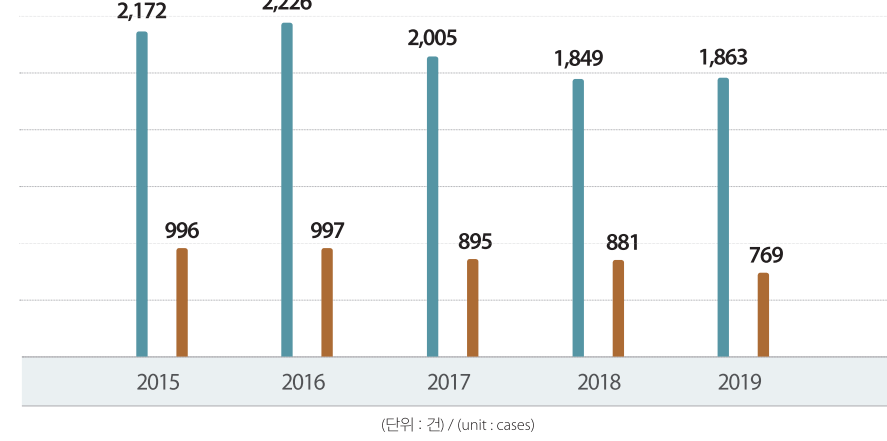
과제 수행실적



PATENET APPLICATION

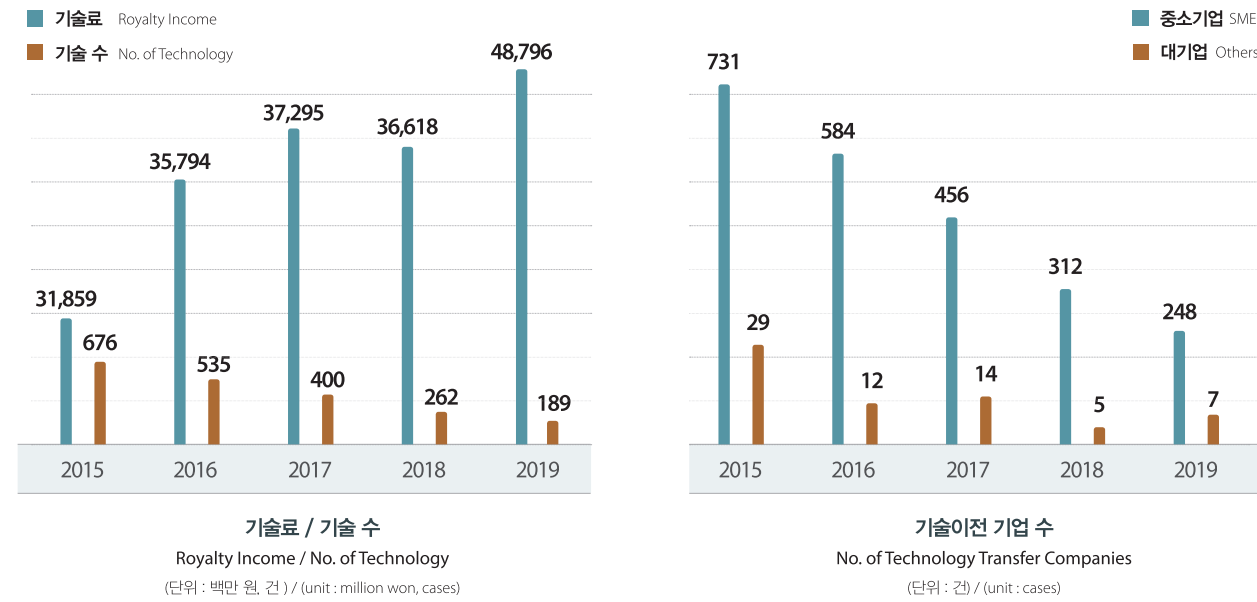
특허출원

국내출원 (Domestic)
국제출원 (International)



TECHNOLOGY TRANSFER

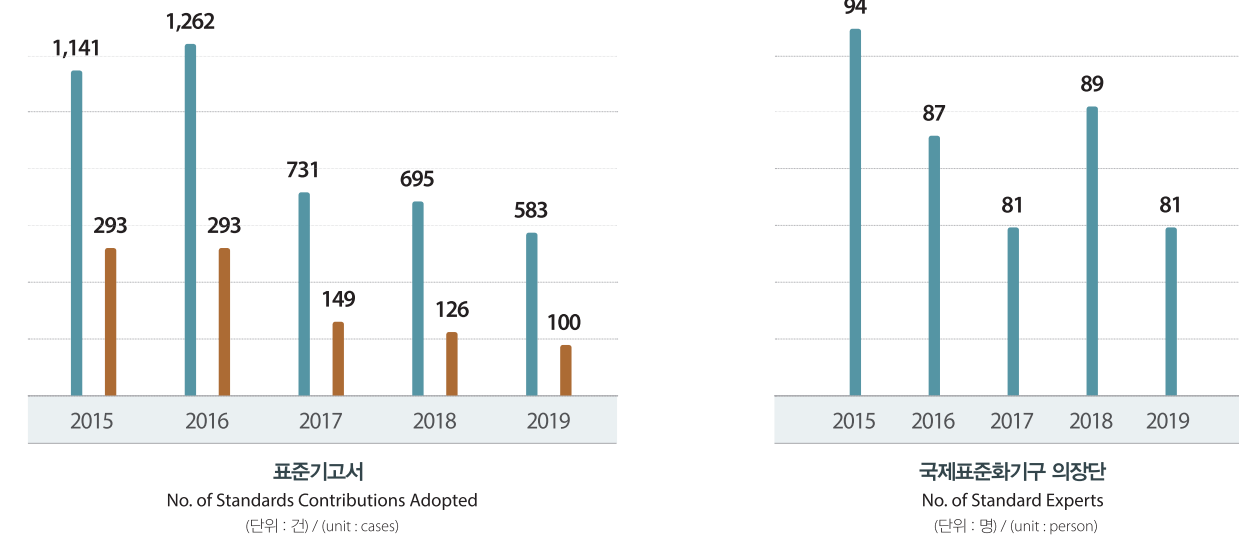
기술이전



STANDARDIZATION

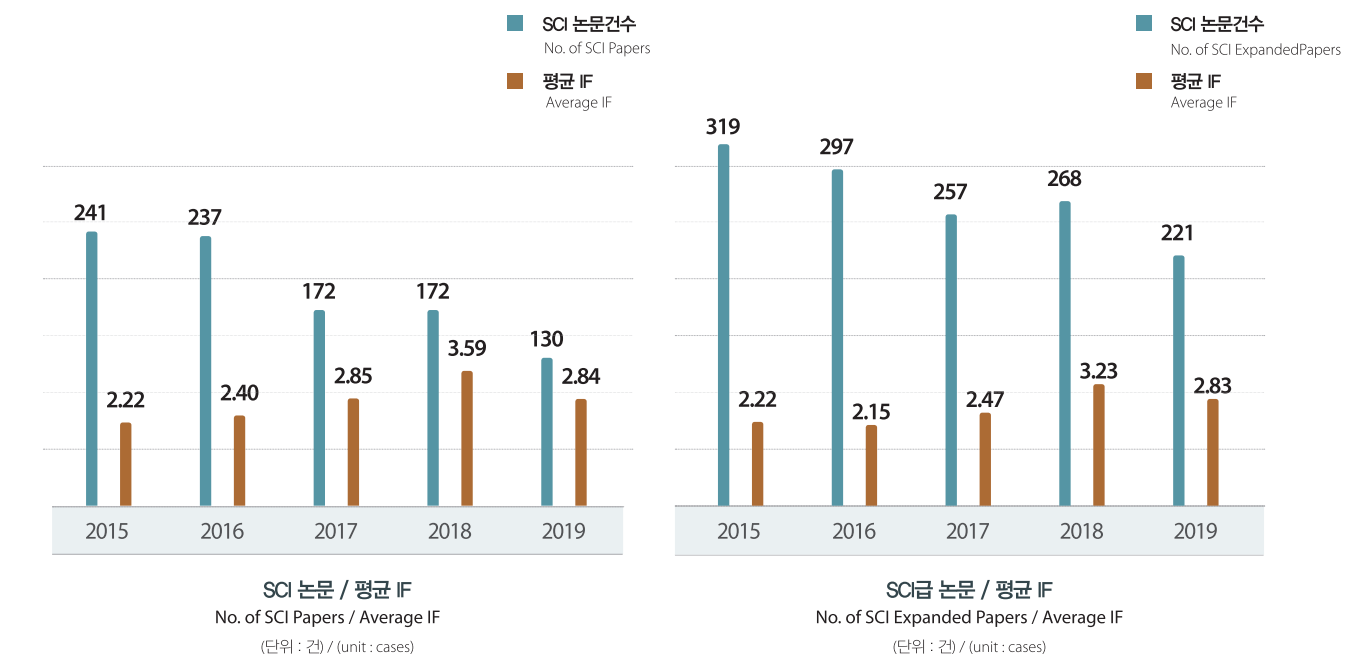
표준화

국내 (Domestic)
국제 (International)



SCI PAPERS & SCI EXPANDED PAPERS

SCI 논문 & SCI급 논문



R&D Major Achievement

R&D 주요성과

2010s

- 2020** · 시각지능 원천기술 플랫폼 '딥뷰(Deepview)' Deepview - Visual intelligence source technology platform
- 2019** · 25Gbps급 촉각인터넷 기술 '틱톡(TIC-TOC)' TIC-TOC - 25Gbps-class tactile Internet technology
- 2018** · UHD 모바일방송 기술 UHD mobile broadcasting technology
- 2017** · 고성능 언어지능 SW '엑스브레인(Exobrain)' Exobrain - High-performance language intelligent SW
- 2016** · 광-회선-패킷 통합 스위칭 시스템 Optic-line packet integration switching system
- 2015** · RoF 기반 모바일 프론트홀 기술(High Five ESCoRT) RoF-based mobile front hole technology (High Five ESCoRT)
- 2014** · 세계최초 가입자당 10Gbps 속도보장 오케스트라(OCES+3.2 Tera) 광인터넷 기술 World's first Orchestra (OCES+3.2 Tera) optic Internet technology guaranteeing 10 Gbps per subscriber
- 2013** · DB-Cal 기반 지능형 영어학습 시스템(Genie Tutor) DB Call-based intelligent English learning system (Genie Tutor)
- 2012** · 100배 빠른 광 인터넷 기술개발 Developed optical Internet technology that's 100 times faster
- 휴대형 한·영 자동통역 지니톡(Genie Talk) 기술 개발 Developed a mobile Korean-English translating technology called Genie Talk
- 2011** · 투명도 조절 AMOLED 디스플레이 패널 개발 Transparency adjustable AMOLED display
- 패킷-광 통합 전달망 기술개발 Packet-optical integrated transport network technology
- 2010** · 4세대 이동통신 LTE-Advanced 세계 최초 개발 4G LTE-Advanced Technology
- 스마트 선박 기술개발 Smart ship technology(SAN)

2000s

- 2009** · 세상을 밝혀주는 친환경 OLED 조명기술 개발 Developed eco-friendly OLED lighting technology for illuminating the world
- 2008** · SMMD 기반 실감체험 4D 시스템기술 개발 Developed an SMMD-based live experience 4D system technology
- 2007** · 3.6Gbps 4세대 무선전송시스템 세계 최초 개발 The world's first 3.6Gbps 4th generation mobile communication technology(NoLA)
- 2006** · 무선 홈 네트워크(UWB)개발 Developed a wireless home network(UWB)
- 투명 AMOLED 세계 최초 개발 Developed the world's first transparent AMOLED
- 2005** · 국산 임베디드SW 개발 솔루션 첫 수출 ETRI succeeded in exported embedded SW solution
- 지상파 DMB 서비스 개시 Terrestrial DMB service launched
- 2004** · 세계최초 이동무선 광대역 인터넷 와이브로(WiBro) 시제품 개발 Developed the world's first prototype system of wireless broadband Internet called WiBro

1990s

- 1999** · 동기식 IMT 2000(CDMA2000) STP 시스템 개발 Synchronized IMT 2000(CDMA2000) STP system
- 1996** · CDMA ATM교환기 개발 CDMA ATM exchanging machine
- 1995** · CDMA 세계 최초 상용화 성공 Commercialize CDMA for the first time in the world
- 1991** · TDX-10 개통 Launched TDX-10
- 주전산기II (TICOM) 개발 TICOM II
- 1990** · 32비트 마이크로프로세서 개발 32-bit microprocessor

1980s

- 1989** · 4M DRAM 개발을 시작으로 16M, 64M, 256M DRAM 개발 4M, 16M, 64M and 256M DRAM
- 1988** · 565Mbps 광통신 시스템 개발 565Mbps optical communications system
- 1986** · 1가구 1전화시대를 연 전전자교환기(TDX)개발 Developed the telephone exchange system(TDX) that opened the era of 1 telephone per household in South Korea
- 1984** · 16비트 UNIX 개발 컴퓨터 국산화 성공 16-bit UNIX domestic computer
- 1983** · 8bit 교육용 컴퓨터 개발 8-bit educational computer
- 1982** · 우리나라 최초의 메모리 반도체 32K ROM 개발 The nation's first semiconductor product '32K ROM chip'