

조직도

ORGANIZATION CHART



글로벌 R&D 협력 네트워크

GLOBAL R&D COOPERATION NETWORK



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DIGITAL HUMANITY

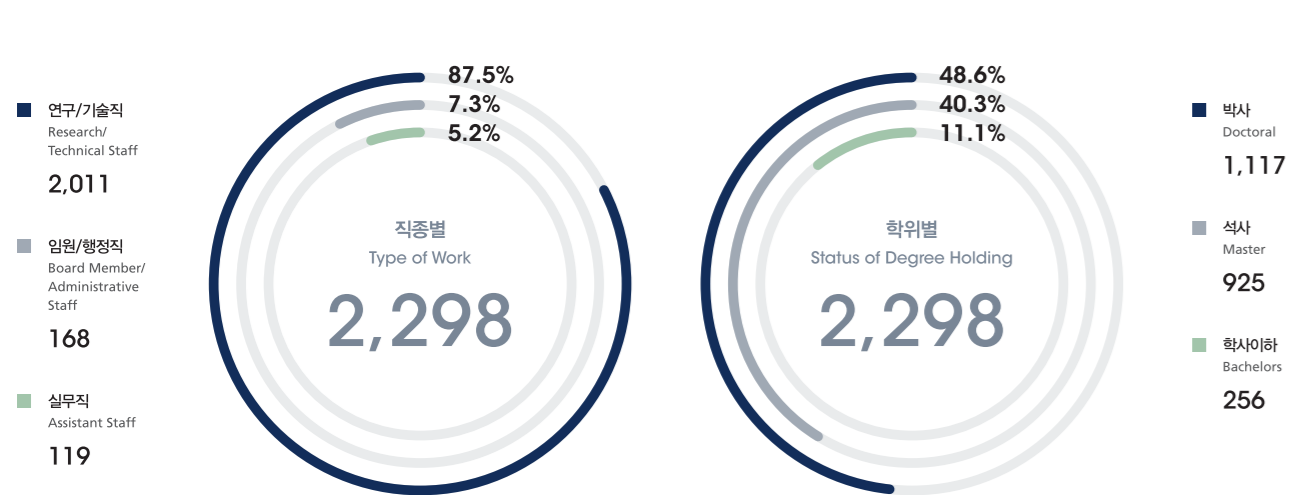
2021 ETRI TECHNOLOGY REPORT

비전 및 경영목표
VISION & MANAGEMENT PRINCIPLE



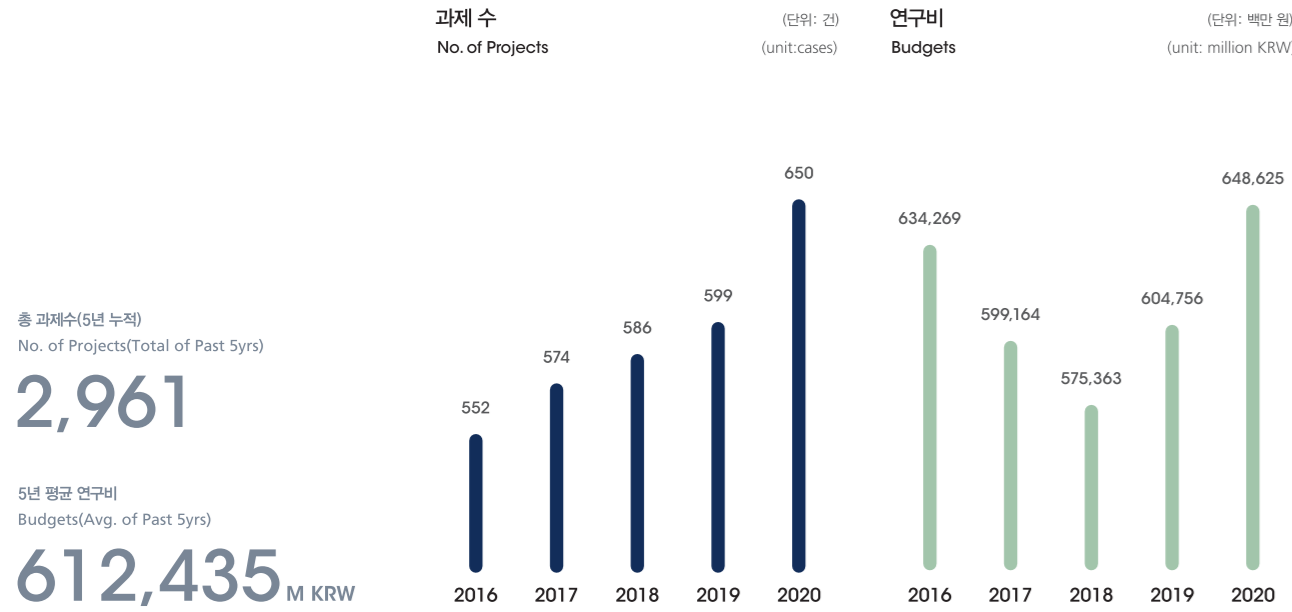
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PERSONNEL



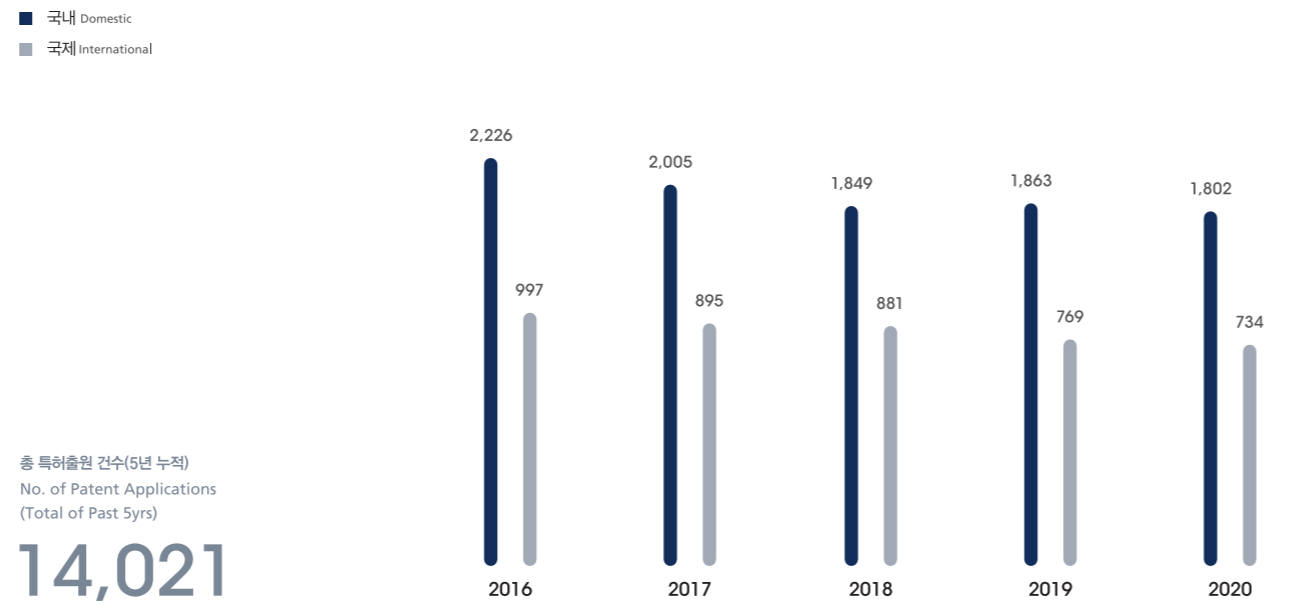
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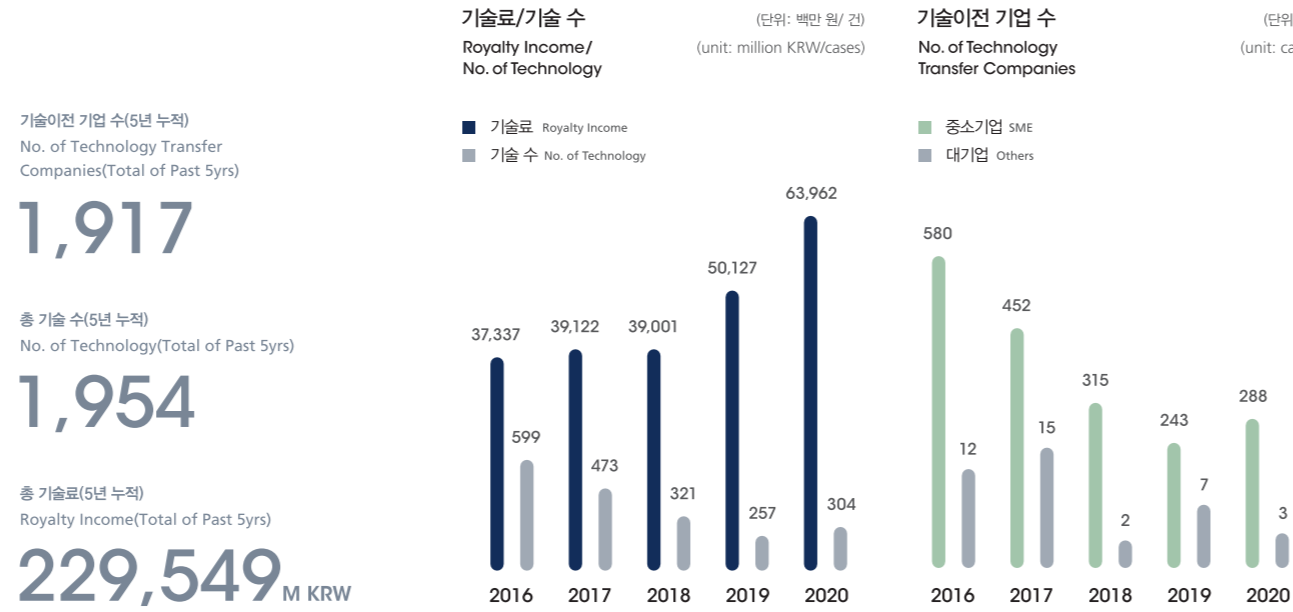
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PATENT APPLICATION



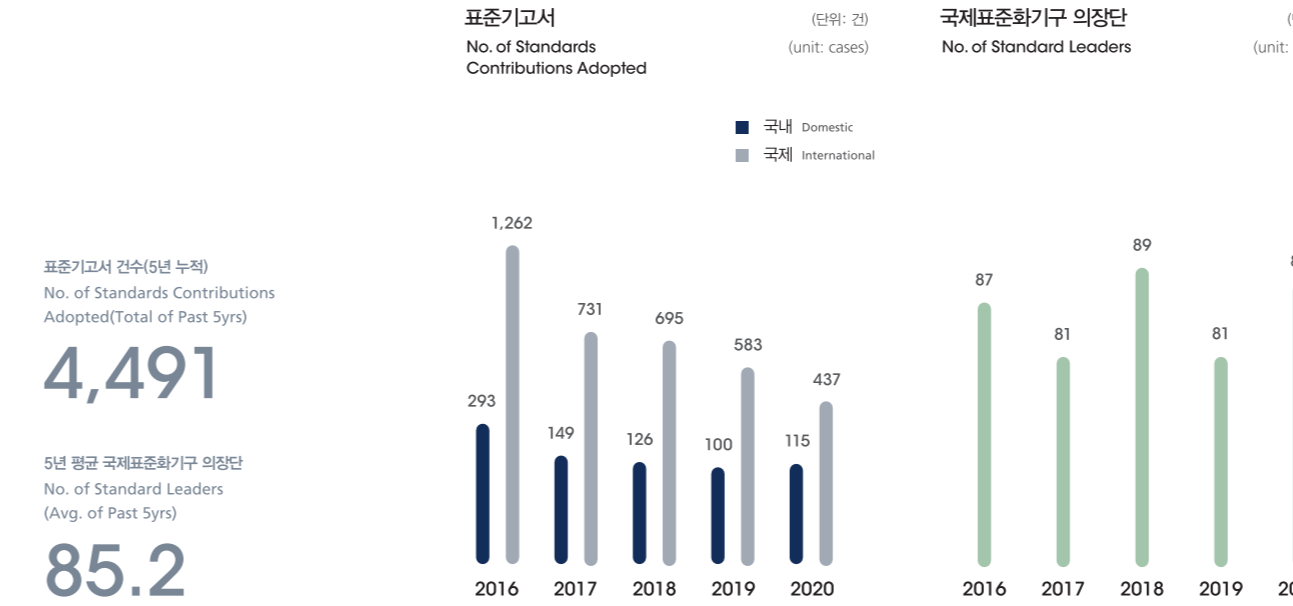
기술이전

TECHNOLOGY TRANSFER



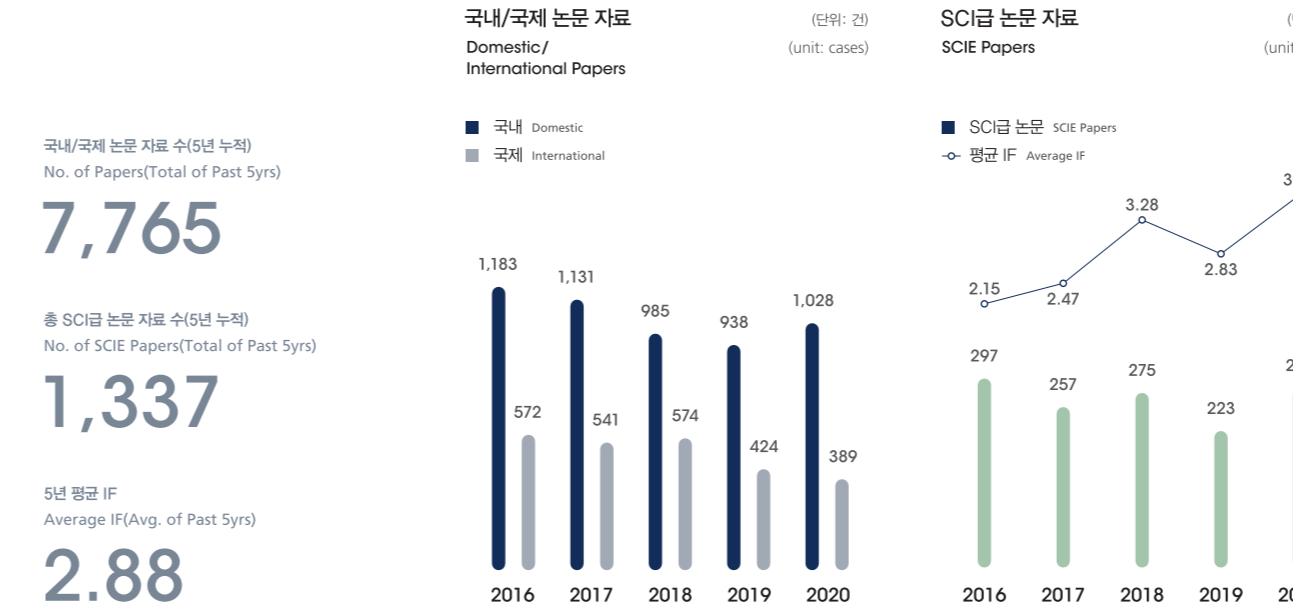
표준화

STANDARDIZATION



논문자료

PAPERS



R&D 주요성과

MAJOR ACHEIVEMENTS IN R&D

연도 (Year)	주요 성과 (Major Achievement)
2021	· 도로와 사물, 사람을 이해하는 지능로봇스 AI 핵심기술 Developed core technologies for AI that understands roads, objects, and people
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	· RoF기반 모바일 프린트를 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-Call 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)
	· 무선 홈 네트워크(UWB)개발 Developed a wireless home network(UWB)
2006	· 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 전화교환기(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'