

AMbient Intelligence

Hyper Connectivity

Hyper Realistic



YOUNG FORTY
LET'S MOVE

Vision

비전

제4차 산업혁명을 선도하는 ICT Innovator

ICT Innovator leading
the 4th Industrial Revolution

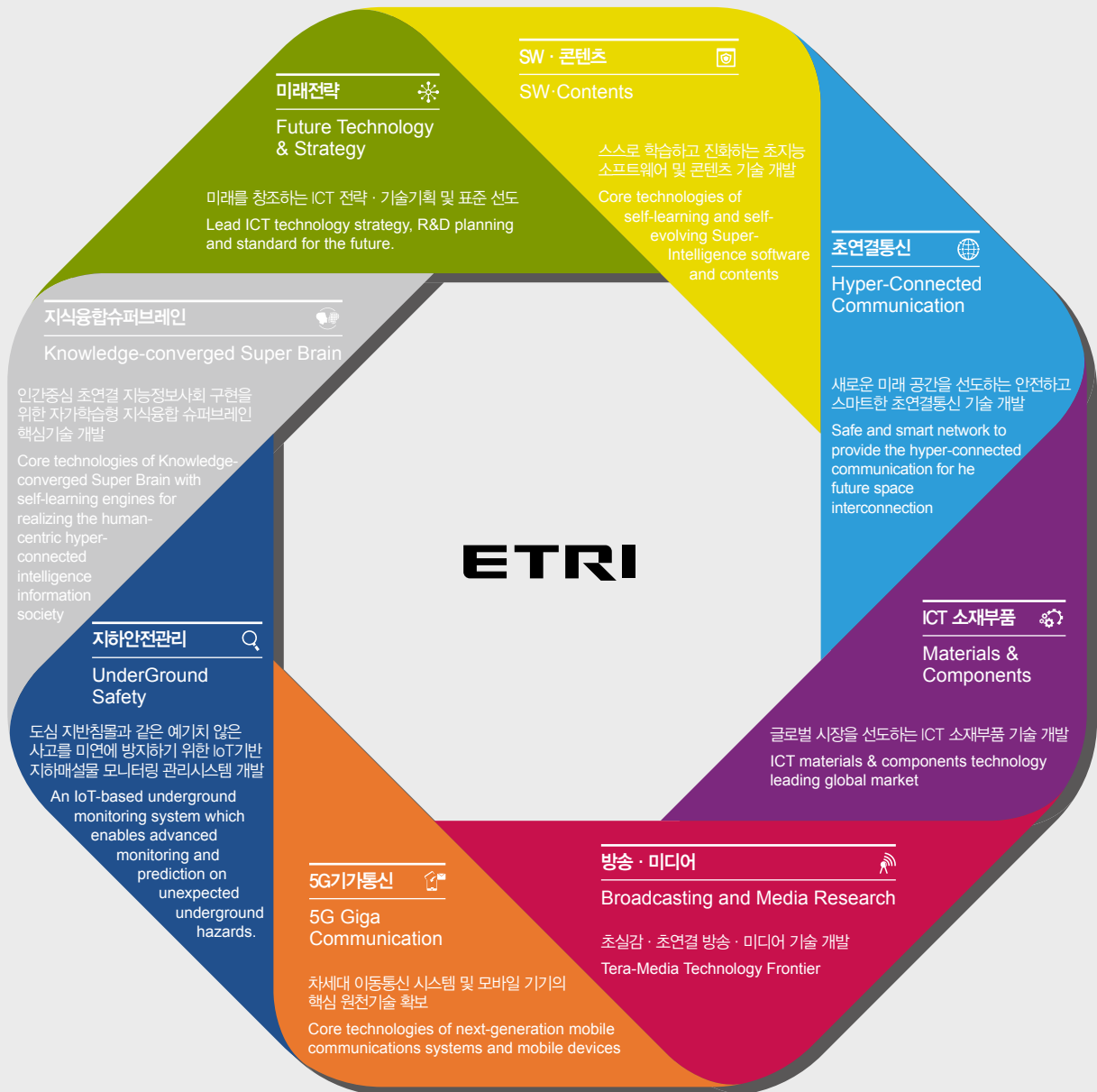
Management Principle

경영목표



Common Core Technology

공통핵심 기술



Personnel, Project Status

인원현황, 과제 수행실적

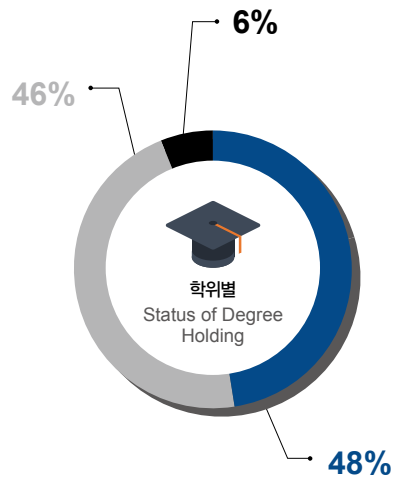
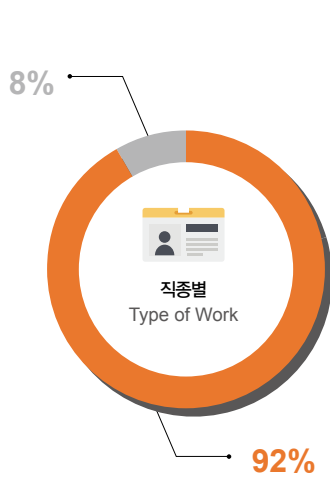
Personnel Status

인원현황

》 인원현황 : 1,943명(2015년 말 현재)
Total : 1,943(as of year 2015)

■ 연구/기술직 : 1,785명(92%)
Research/Technical Staff : 1,785(92%)
■ 임원/행정직 : 158명(8%)
Board Member/Administrative Staff : 158(8%)

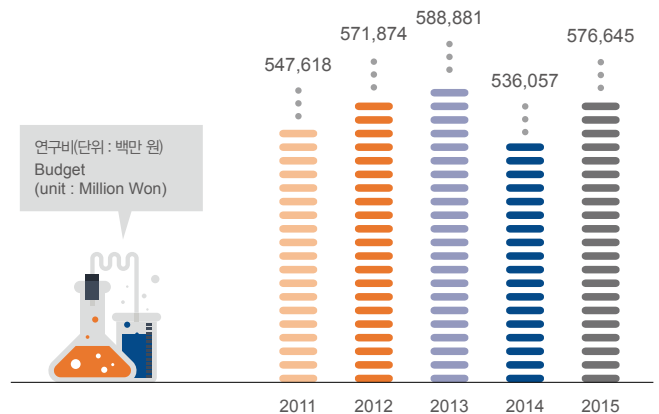
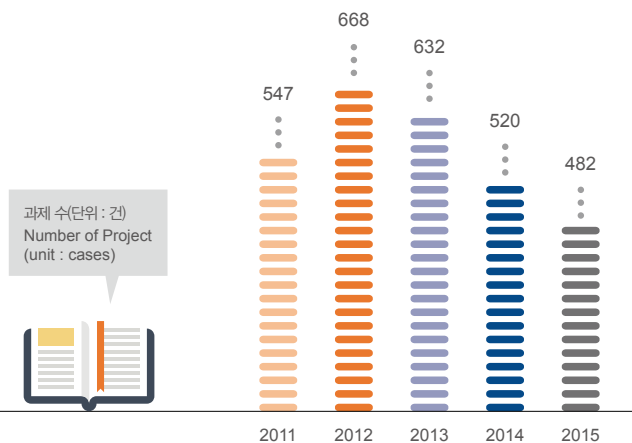
■ 박사 : 924명(48%)
Doctoral : 924(48%)
■ 석사 : 904명(46%)
master : 904(46%)
■ 학사 이하 : 115명(6%)
Bachelors : 115(6%)



Project Status

과제 수행실적

》 과제 수/연구비 : 482개/5,766억 원(2015년)
No. of Project/Budget : 482 Projects/576.6 billion won(years 2015)



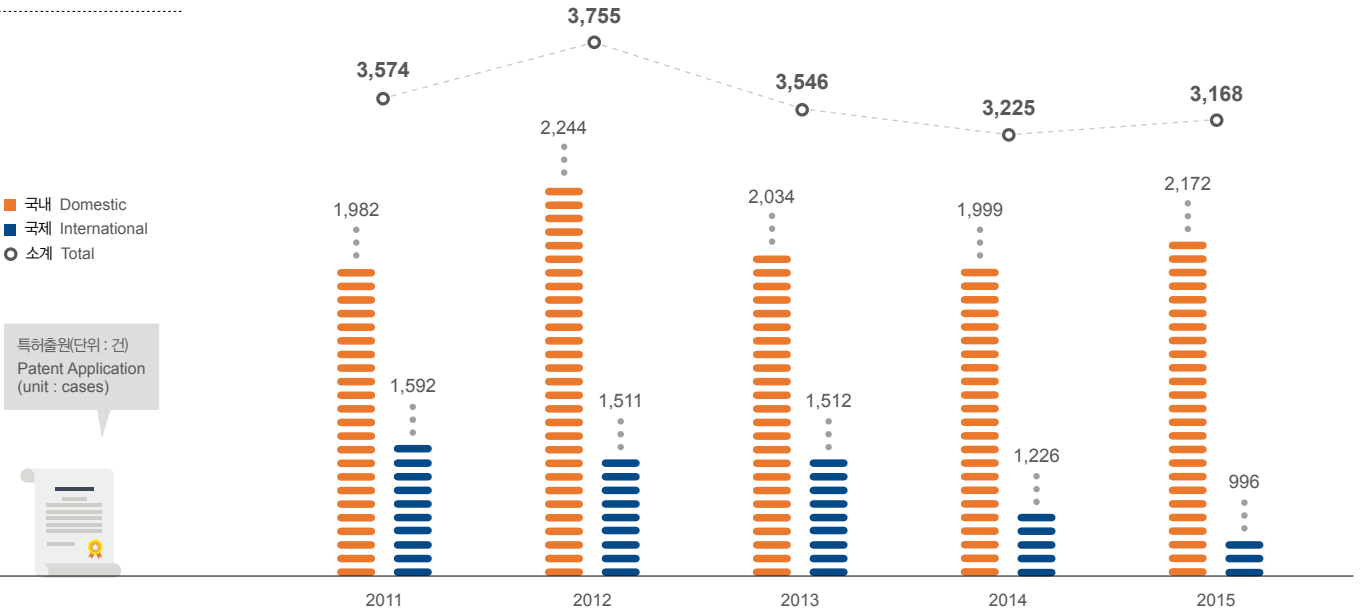
Patent Application, Technology Transfer

특허출원, 기술이전

Patent Application

특허출원

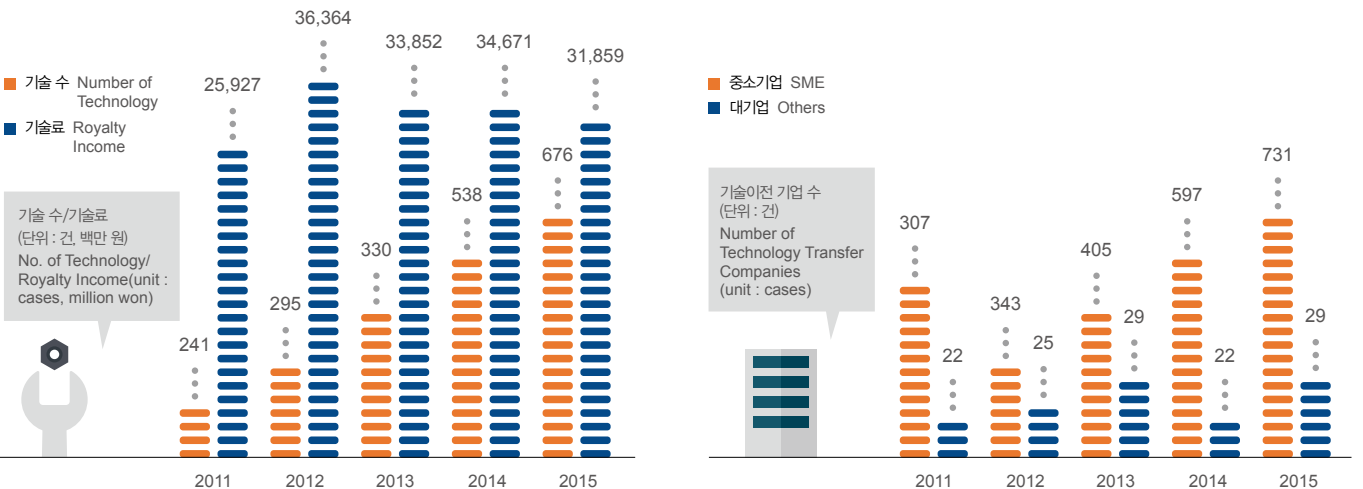
특허출원 건수 : 17,268건(5년간 누적)
No. of Patent Application : 17,268 cases(Total of past 5 years)



Technology Transfer

기술이전

기술 수/기술료 : 2,080건/1,627억 원(5년간 누적)
No. of Technology/Royalty Income : 2,080 cases/162.7 billion won(Total of past 5 years)



Standardization, SCI Papers

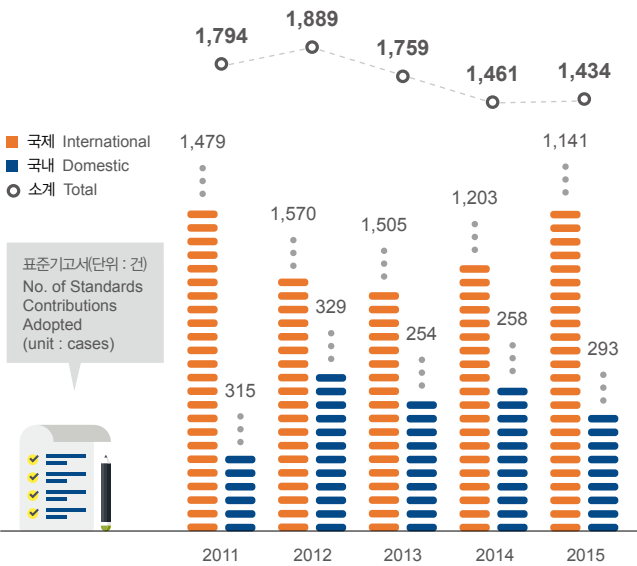
표준화, SCI 논문

Standard -ization

표준화

표준기고서/국제표준화기구 의장단 : 8,337건/498명(5년간 누적)

No. of Standards Contributions Adopted for total of past 5 years : 8,337 cases/498 Experts

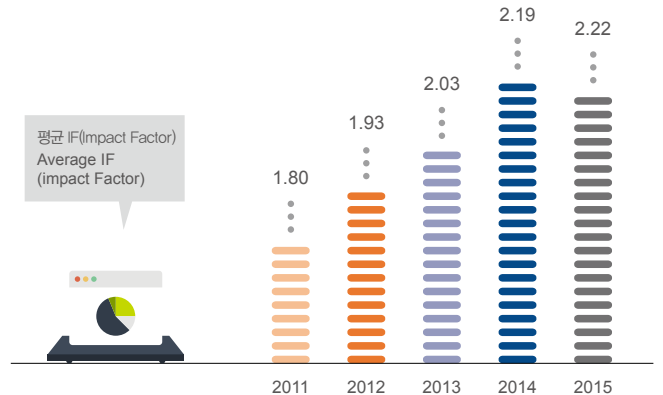
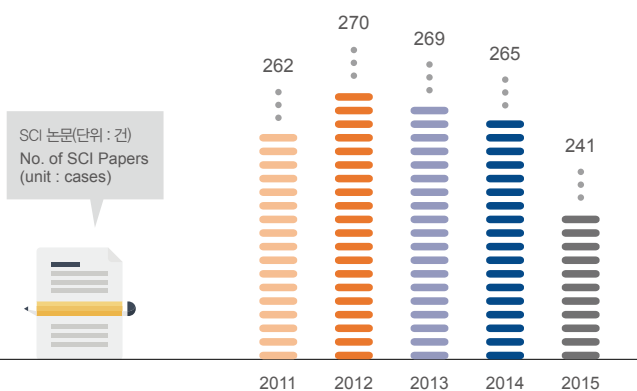


SCI Papers

SCI 논문

SCI 논문/평균 IF : 1,307건(5년간 누적)/2.03(평균)

No. of SCI Papers/Average IF : 1,307 cases(Total of past 5 years)/2.03(Average)



R&D Major Achievement

R&D 주요성과

2010s

- 2015 · 하이파이브 에스코트 기술
High Five ESCoRT RoF technology
- 2014 · 오케스트라 광인터넷 기술
OCESTRA, optical Internet technology
- 2013 · 스마트폰을 이용한 무인 발렛주차 기술개발
Automated valet parking technology using a smart phone
- 2012 · 100배 빠른 광 인터넷 기술개발
100 times faster optical Internet technology
- 휴대형 한/영 자동통역 기술개발
Korean/English portable automatic interpretation technology
- 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 · SMMD 기반 실감체형 4D 시스템기술 개발
SMMD-based 4D system technology
- 2008 · 디지털 멀티미디어 콘텐츠 자동판매기 세계 최초 개발
The world's first digital content vending machine
- 2007 · 3.6Gbps 4세대 무선전송시스템 세계 최초 개발
The world's first 3.6Gbps 4th generation mobile communication technology(NoLA)
- 2006 · 무선 홈 네트워크 개발
Wireless home network
- 2005 · 국산 임베디드SW 개발 솔루션 첫 수출
ETRI succeeded in exported embedded SW solution
- 지상파 DMB 서비스 개시 Terrestrial DMB service launched
- 2004 · WiBro 시제품 개발 WiBro prototype

1990s

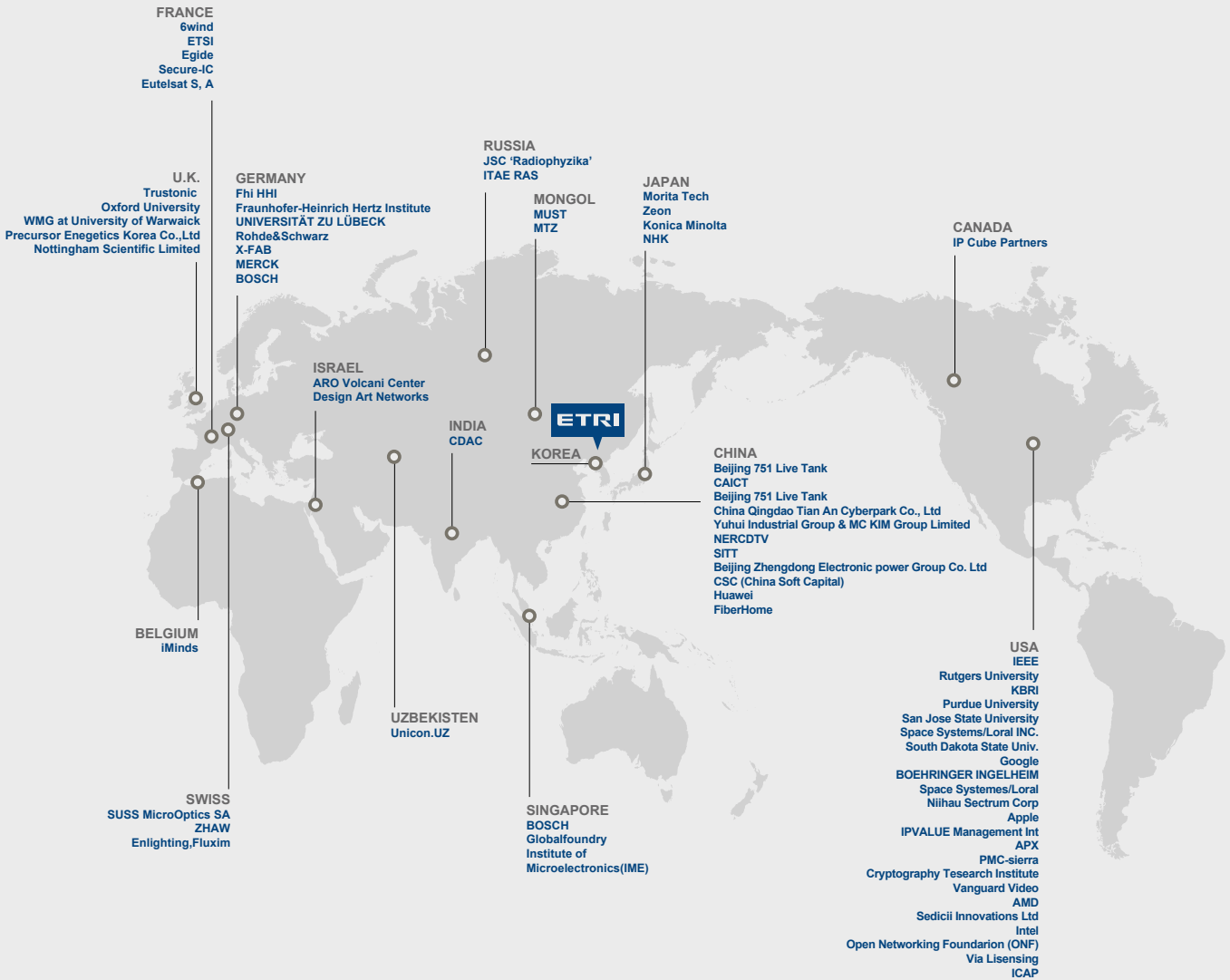
- 1999 · 동기식 IMT 2000(CDMA2000) STP 시스템 개발
Synchronized IMT 2000(CDMA2000) STP system
- 1996 · CDMA ATM교환기 개발
CDMA ATM exchanging machine
- 1995 · CDMA 세계 최초 상용화 성공
Commercialize CDMA for the first time in the world
- 1991 · TDX-10 개통 Launched TDX-10
- 주전산기II(TICOM) 개발 TICOM II
- 1990 · 32비트 마이크로프로세서 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 · TDX-1 개통 Launched TDX-1
- 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'

15국가 72개 기관

15 countries / 72 organizations



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