



LSware Inc. 18Fl., A-Tower, D-Polis, 606 Seobusatgil, Geumcheon-gu, Seoul, KOREA(08504)

Tel +82-2-6919-0321

Fax +82-2-6919-0329

Homepage www.lsware.com

Blog blog.lsware.co.kr





We are here to provide a system to the customers to use it in a freer environment.



Foundation	March 21, 2005
CEO	Minsoo Kim
Homepage	www.lsware.com
Tel	+82-2-6919-0321
Fax	+82-2-6919-0329
Businesses	<ul style="list-style-type: none"> Security field: Server security solutions, server vulnerability management and diagnostic solutions, copyright protection. Blockchain field: Blockchain security (protection, management, transactions, calculation), NFT, metaverse. Copyright Management (BOM) field: Open-source software governance. Security/Copyright SI Business.
Address	18Fl., A-Tower, D-Polis, 606 Seobusatgil, Geumcheon-gu, Seoul, KOREA

Certifications and Awards



Excellent Corporation R&D Center



Intellectual Property Management Certification



Best Family Friendly Management



Certificate of Software Process Quality



Order of Industrial Service Merit (Iron Tower)

Corporate Certifications

- Venture company certification, INNO-BIZ, Main-BIZ, SME, Family-friendly company
- Excellent corporate research institute, Intellectual property management SME, IP star company, IBK creative company, Corporate research institute, ISO9001, Excellent venture company
- Seoul-style small but strong company creating excellent jobs, Most preferred company to work for.
- Certified as an excellent institution for university-industry cooperation, Selected as a Youth-friendly Small Giant Enterprise, Acquired Intellectual Property Management Certification, Was selected as Top 1000 National Innovative Companies

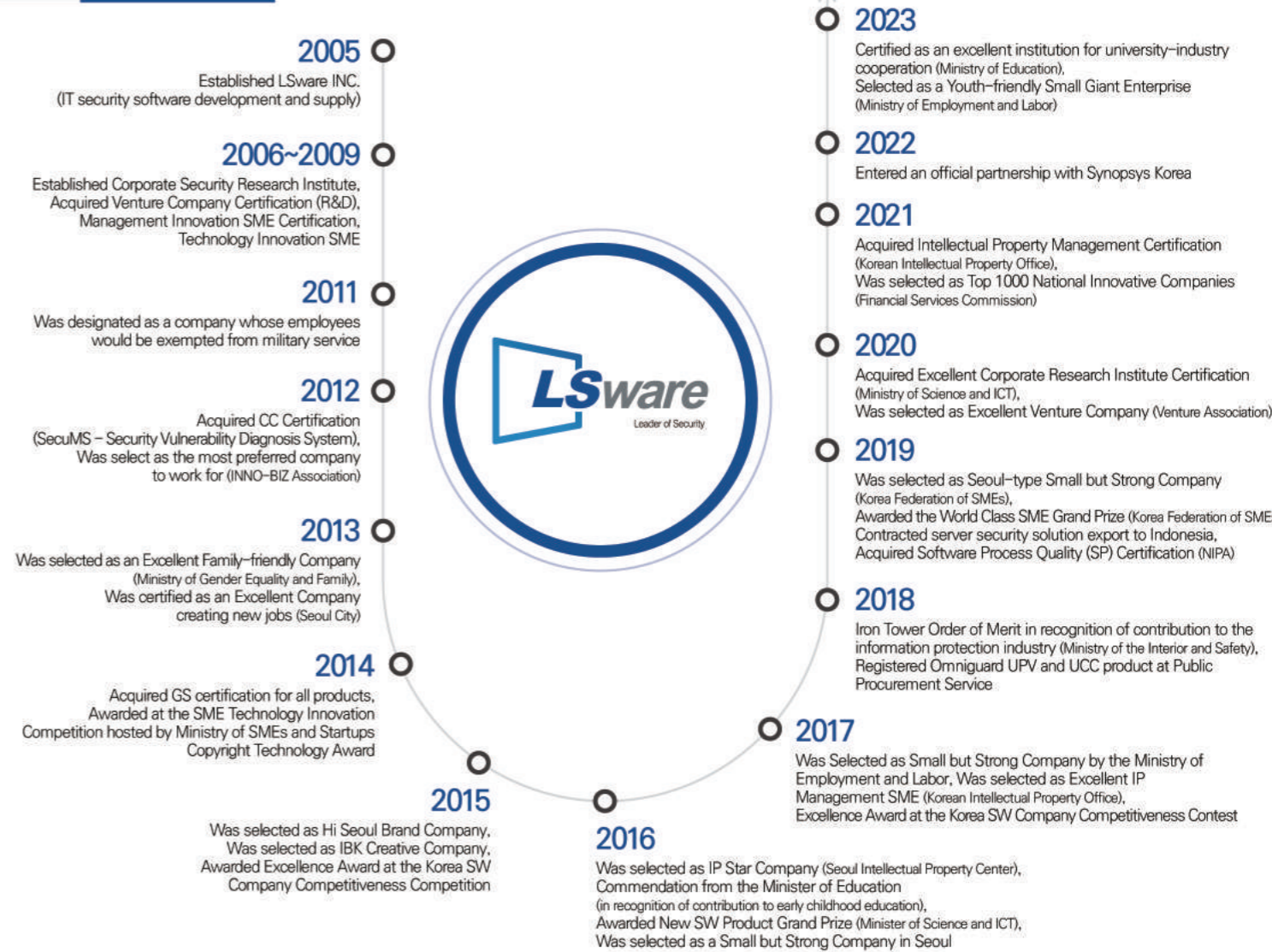
Awards

Order of Industrial Service Merit (Iron Tower), K-ICT New Software Award from Minister of Science and ICT, Minister of Education's Citation, Korea Software Enterprise Competitiveness Award, Information Security Software Excellence Award, Excellence Award in IT Solution in the Korea Software Enterprise Competitiveness, Excellent IP Award from Korea Invention Promotion Association, Bronze Award at Seoul & Gangwon Competition for SME Learning Organization Support Project, Global TOP Business Grand Prize in 2019, Award from the Chairman of Korea Copyright Commission, Digital Times Brand Power Cyber security.

Product Certifications

CC (Common Criteria) Certification: SecuMS, Omniguard UAC
 GS (Good Software) Certification: SecuMS, Omniguard UPV, Omniguard UCC, FOSSGuard
 SP (Software Process) Certification

History



Customers

Manufacturing / Service Providers

Samsung Display, Samsung SDS, Samsung Electronics, Samsung Electronics Service, S-1, Renault Samsung Motors, LG Electronics, LG Nsys, Doosan Heavy Industries & Construction, Magna Chip, Samhwa Paint, SK Communications

Finance / Insurance Companies

Korea Financial Telecommunications and Clearings Institute, KOSCOM, Samsung Securities, Suhyup Federation, KDB Industrial Bank, Shinhan Financial Group, Shinhan Credit Information, Shinhan Card, Shinhan Savings Bank, Shinhan BNP Paribas Asset Management, Jeju Bank, Shinhan DS, Shinhan Aitas, Mirae Asset Daewoo, MG Credit Information, Meritz Securities, Hyundai Card, KB Kookmin Bank, KB Securities, KB Insurance, KB Kookmin Card, KB Capital, KB Life Insurance, KB Saving Bank

Public Institution/Military/School

Korea Copyright Commission, KERIS, Korea Public Financial Information Service, Uiwang City, Ministry of Trade, Industry and Energy, Ministry of Environment, Defense Acquisition Program Administration, National Tax Service, Seoul Transportation Corporation, Seoul Metropolitan Rapid Transit Corporation, KORAIL, Korea Industrial Complex Corporation, Korea Mine Reclamation Management Industrial Complex, Gwangmyeong Cultural Foundation, Republic of Korea Ministry of National Defense, Joint Chiefs of Staff, Air Force Cyber Command, Army Headquarters, Ground Operations Command, 2nd Operations Command, Armed Forces Command and Communication Command, National Defense Integrated Data Center, Armed Forces Intelligence Command, Agency for Defense Development, KEPCO KDN, Korea Southern Power, Seoul Asan Hospital, KREN, Gyeongbuk Library, Korea National Defense University, Korea University, Korea Nazarene University, Dankook University, Guri cultural foundation

LSware's Main Businesses

Server Protection and Management Products



Omniguard
Next Generation Server Security Solution

UPV Account Management Solution

UAC Access Control Solution

UCC Audit Trail & User Privilege-
Management Solution

USAM System Security Asset
Monitoring Solution



Omni-IM
Account Lifecycle Approval and
Access Management System



Omni-VM
Vulnerability Management
Portal System



SecuMS
Vulnerability Assessment
Management Solution

Opensource SW/blockchain business



EYESVAULT
Open-source SW Compliance Solution



EYESPROTOCOL
EYESPROTOCOL



TAMTAM
NFT+ Marketplace to trade all rights of digital art

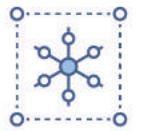


**Open-source SW
Governance Total Consulting**

Research & Development



**Copyright and content
distribution
technology research**



**Blockchain
technology research**



**Machine learning
technology research**



**Smart grid security
technology research**



**Open-source SW
technology research**



**Network security
technology research**



Server Security



Next Generation Server Security Solution

OmniGuard, our next-generation server security solution, provides guaranteed stability as well as various functions, such as account management, access control, session logging, authority management, command control, and system security asset monitoring for each module. Not only that, but it also provides convenience for selective builds while minimizing the impact on the OS and limiting the impact on the system with zero kernel modifications.



Account Lifecycle Approval and Access Management System

Omni-IM, a payment-based integrated account management and access control system, manages user accounts of heterogeneous OSs and DBMSs through the OmniGuard solution and manages the life cycle and access privileges from account creation to extinction.

UPV Account Management Solution

A server-based account solution that can centrally manage account policies of heterogeneous Unix / Linux / Windows servers

Integrated Account Management

- Simultaneous account creation, change, and deletion between heterogeneous servers
- Batch security policy for each group with single account creation

Account Management

- Account change history management
- Password policy management
- Account security policy setting
- Account Lock/Unlock setting

UAC Access Control Solution

A server-based access control solution that centrally manages consistent access control policies between heterogeneous servers and blocks unauthorized access to servers in advance.

Access Control

- Access control to the server
- Access control by group/service/IP
- Access control for unauthorized persons
- Access control port/Remote Desktop/shared folder (Windows)

Access Management

- White List and Black List setting
- Access Allowed IP Group

UCC Access Control Solution

An audit trail & user privilege management solution, supports functions such as session logging, command control, and authority delegation to ensure accountability of the information system.

Authority and usage history management

- Account authority delegation
- Trailing the use of dangerous commands
- Looking up connection session

Session logging (Unix/Linux)

- Log recording by session
- A function to record session stdin/stdout/stderr
- A function to limit log size

Session logging (Windows)

- User Session Screen Logging
- Logging program execution information
- FTP/TELNET connection logging

USAM System Security Asset Monitoring Solution

USAM is a system security asset management solution that checks the status of important security assets and monitors for signs of security incidents.

In-System Asset Monitor

- File forgery monitor
- Windows registry value monitor
- Network service information monitor

Inspection of security assets in the system

- System environment information monitor
- Installed software list monitor



Account Management Process

- Account Life Cycle Management (Work Flow is provided)
- Interworking with internal systems such as HR/SSO/e-mail
- Automatic reflection and synchronization of target systems according to the account application/approval process



Account Management

- Automatic account inspection (Ghost account detection)
- Looking up and changing user-owned/managed account information
- Various accounts such as HR change/non-registration/unauthorized change for countermeasures and alarms
- Domain, server manager and retired employee management



Access Control

- Providing payment process such as access application/approval
- Setting system access privilege by account
- OS/DBMS access control
- Privilege change for HR transfer in conjunction with HR information



Report

- Stats on account status and Work Flow status
- Providing a screen suitable for the scope of user privilege and management
- Providing various functions to create and download reports
- Detecting account status and automatically sending e-mails to the account owner, the person in charge, and the head of the department

Vulnerability Diagnosis and Management Products



Vulnerability Management Portal System

Omni-VM, an integrated vulnerability management portal system, establishes a vulnerability management work process through a single interface by interworking with various vulnerability diagnosis solutions, and provides high visibility security status by calculating the security indexes.



Integrated vulnerability management

- Interworking with various vulnerability diagnosis solutions
- Linking with asset management system
- Registration and management of administrative/physical vulnerabilities and consulting details
- Providing vulnerability inspection results in a single interface



Establishing a vulnerability management process

- Providing a process from vulnerability inspection to actions
- Establishing a management system for various compliance
- Defining roles for each vulnerability management process
- Supporting project unit vulnerability management (security review)



Vulnerability diagnosis

- Conducting automatic diagnosis of various diagnostic solutions through web portal
- Setting a specific reason and period as an exception
- Issuing alarms for delayed/missing tasks
- Management of vulnerability inspection results and implemented action details



Providing security vulnerability status

- Providing company-wide security indexes for diagnosis results
- Providing vulnerability reports of individual diagnostic tools
- Providing the vulnerability inspection results in charts and various formats
- Providing the stats on each major situation



Vulnerability Assessment and Management Solution

SecuMS, a security vulnerability diagnosis solution, automatically inspects infrastructure system security vulnerabilities and provides solutions to those problems. In addition, it improves the security level and supports constant monitoring by collectively identifying the status of vulnerabilities.



Vulnerability inspection

- Satisfying domestic/international compliance standards
- Scheduled automatic vulnerability inspection
- Manual/portable (offline) inspection
- User-defined script support



Vulnerability management

- Providing vulnerability management process
- Inspecting implemented actions and results
- Management of the history of executed actions
- Providing the history of inspection
- Vulnerability rating change and setting support



Exception management

- Setting exceptions in diagnosis items
- providing the status of exceptions and history
- Applying individual/batch exceptions
- Re-detection when the exception period expires



Report

- Providing detailed reports
- Providing daily report on vulnerability status
- Providing vulnerability change trend and stats
- Providing reports using reporting tool
- In case of portable (offline) inspection, the target system provides a function to creates a report

Open-source SW



Open Source Software Compliance Solution

EYES VAULT, an Open-source copyright management tool, analyzes the Open-source licenses used for software development to determine compliance. It supports software developers to meet a more efficient and free development environment by improving the level of copyright management by identifying legal issues related to the use of the open-source in advance.



OSS License Compliance

- Providing a function to analyze the details of the Open-source used in the product
- Providing license compatibility conflict information
- Providing a function to compare codes and identifying license



Providing analysis result report

- Providing license analysis result report
- Providing comprehensive reports on security vulnerabilities

Maximize the use of Open source

Improving the developed software quality by utilizing the latest technology

Minimize the risk of open source

Reducing the development cost and time by using open source

Using the open-source safely by reviewing Open-source license violation issues in advance

Securing product reliability by complying with license compliance

Open Source Software Governance Consulting



Educational support

Open-source studies, large-scale seminars, and lectures
We design tailored curricula that suits customer training purposes and organize instructor group consisting of hands-on experts to provide in-depth training by field, industry, and management competency through foundation training that is useful in the field. Educational services such as Open-source studies, large-scale seminars, and lectures



Verification support

Open-source SW verification service by in-house experts
In-house experts (engineering majors, law majors) with at least 5 years of relevant experience follow up on the verification process agreed in accordance with the customer's open-source SW policy and license usage regulations.



Professional consulting

Open-source SW verification service by in-house experts
Based on the customer's software development life cycle (SDLC), we comprehensively inspect the entire process from diagnosing the open-source software to establishing governance, and provide detailed consulting.



Legal advice

Legal advisory service linked to lawyers specializing in open source SW
We provide legal advisory service in close cooperation with numerous lawyers and experts (security experts, overseas open-source experts) in the fields of TMT (Technology, Media, Telecommunications), IP (Intellectual Property), Personal Information Protection and Cybersecurity.



EYES PROTOCOL

Creating a transparent copyright ecosystem by protecting the ownership and copyright of digital works.

NFT copyright trading marketplace



TAMTAM <https://tamtam.art/>

TAMTAM is a NFT marketplace where you can trade copyright licenses as well as ownership of digital art according to the purpose of use.



Creative space for young creators



Education of raising awareness for license



First license trade of NFT



Supporting sustainable profit

R&D (Research & Development)

LSware sprints to research and develop advanced technologies through the R&D group consisting of experts with master's and doctoral degree in conjunction with the software research institute. The R&D group is creating a future vision for LSware by conducting various research projects, and commercializing technology and products.



Major Technology Research



Copyright and contents distribution technology

- Analysis technology of the characteristics/relationship of modern painting works
- Webtoon settlement monitoring
- Copyright fee settlement and distribution platform
- Jeju tourism AR contents service technology using drones
- Hologram copyright protection and distribution platform
- Music distribution and copyright fee settlement technology
- Metaverse trustworthiness, Digital human/Avatar Interoperability



NFT, Blockchain technology

- Multi-channel-based parallel processing blockchain that guarantees minimum TPS
- New copyright service model using a blockchain
- Blockchain-based power energy trading and auction platform
- Bank account-based money transfer support technology that does not depend on coins/tokens
- NFT-based copyright management and transaction technology



Machine learning technology

- Anomaly detection for power energy production and consumption patterns
- Receipt image recognition
- Malicious binary code detection
- Behavior-based intrusion detection
- Illegal crop cultivation detection using drone and artificial intelligence



Open-source SW technology

- Open-source license conflict and verification automation technology
- OSS and license search and recommendation technology
- SPDX (Software Package Data Exchange) based license trailing technology
- Contact-free (online) open-source SW license consulting system
- SBOM-based open source supply chain security technology



Smartgrid security technology

- Simple password authentication technology that can be linked with PKI in a smartgrid environment
- OpenAPI-based personal information de-identification and protection technology
- Elliptic curve-based authentication protocol



Network security technology

- Ransomware detection and recovery based on intelligent honeypot
- Packet analysis for trailing Tor/Dark Web
- SPDX-CVE based security vulnerability trailing and inspection

Proprietary Technologies

Development of Intelligent Compliance Software Technology

Development of integrated compliance for intelligent software protection through the convergence of copyright and security ('20~'25)

Application of deep learning model

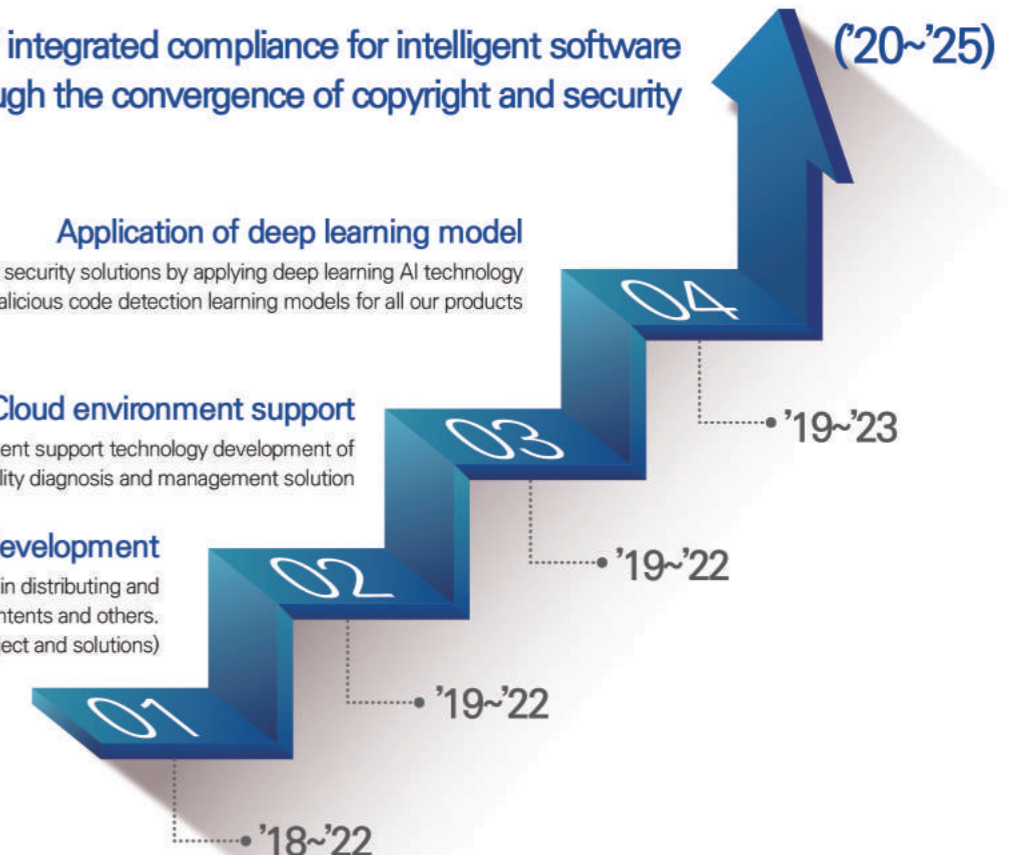
Development of intelligent security solutions by applying deep learning AI technology to malicious code detection learning models for all our products

Cloud environment support

Applying the cloud environment support technology development of our own security vulnerability diagnosis and management solution

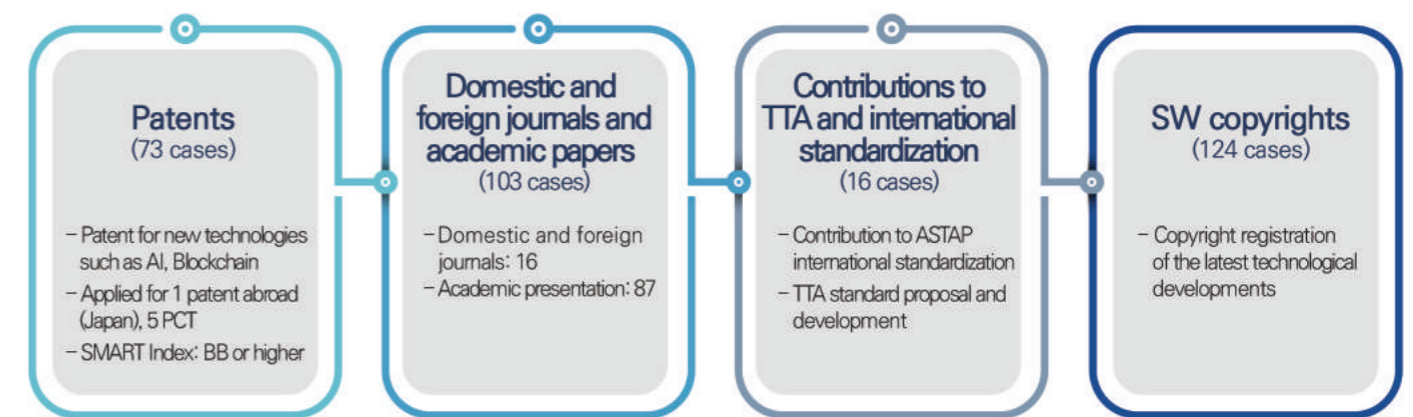
Blockchain technology development

Development of new services used in distributing and trading art works, music, webtoon contents and others. (Government R&D project and solutions)



- Development and applied the Intelligent compliance software technology to all of the LSware solutions ('20~'25)
- Company-wide application of deep learning technology to all our products ('19~'23)
- Application of the cloud environment support technology development of our own security vulnerability diagnosis and management solution ('19~'22)
- Technology development to actively respond to the latest security threats such as ransomware and the dark web and the application of the developed technology to our products ('19~'22)
- Development of Blockchain technology and the development of new services for distribution of art works, music, and webtoon contents using it ('18~'22)
- Development of software protection integrated compliance technology through the convergence of copyright and security technology ('20~'22)

Intellectual Property Rights



Patents
(73 cases)

- Patent for new technologies such as AI, Blockchain
- Applied for 1 patent abroad (Japan), 5 PCT
- SMART Index: BB or higher

Domestic and foreign journals and academic papers
(103 cases)

- Domestic and foreign journals: 16
- Academic presentation: 87

Contributions to TTA and international standardization
(16 cases)

- Contribution to ASTAP international standardization
- TTA standard proposal and development

SW copyrights
(124 cases)

- Copyright registration of the latest technological developments