

Towards the most important value of our customers...

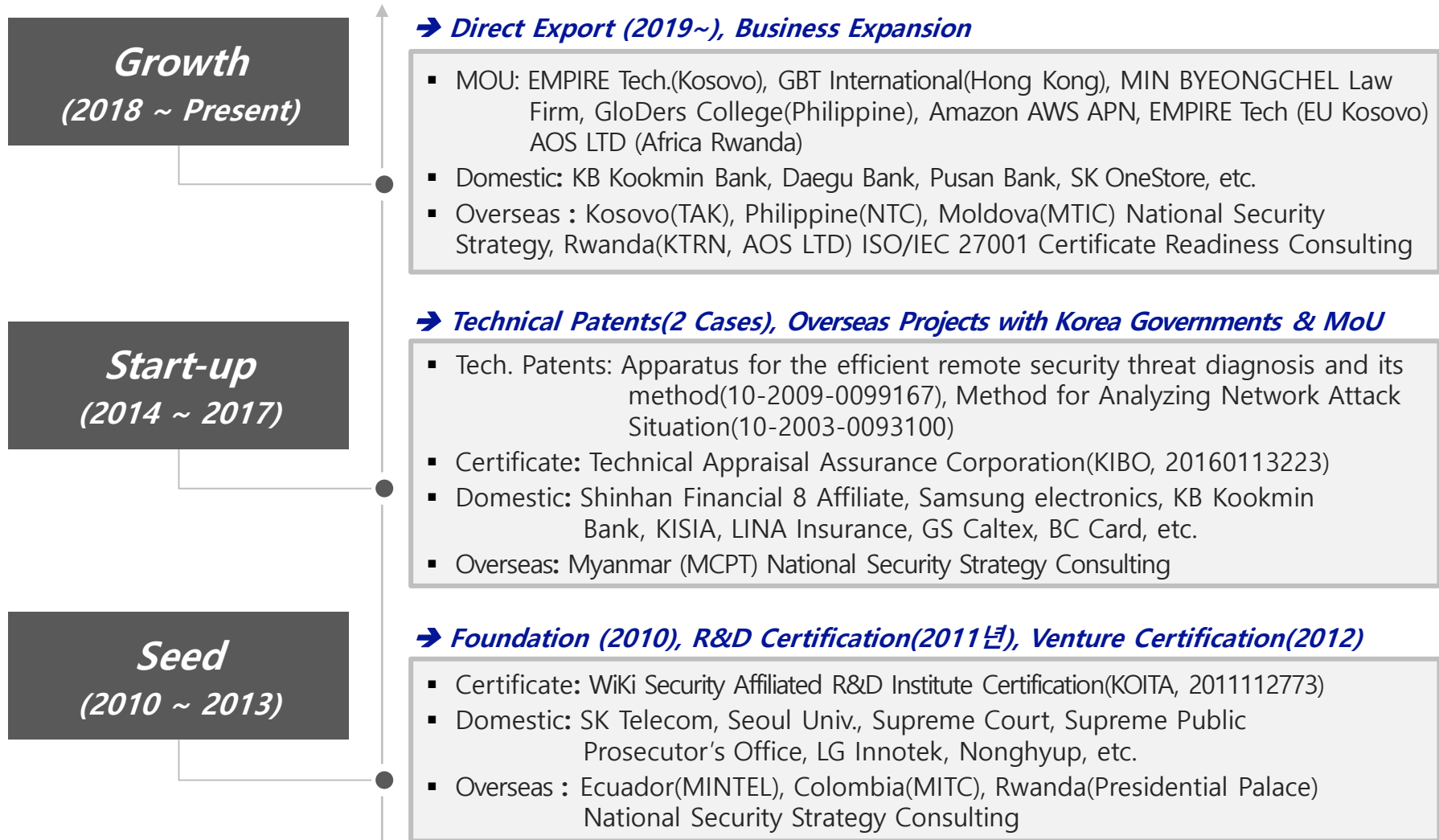
## WiKi Security Corporation

**It is our ultimate goal**

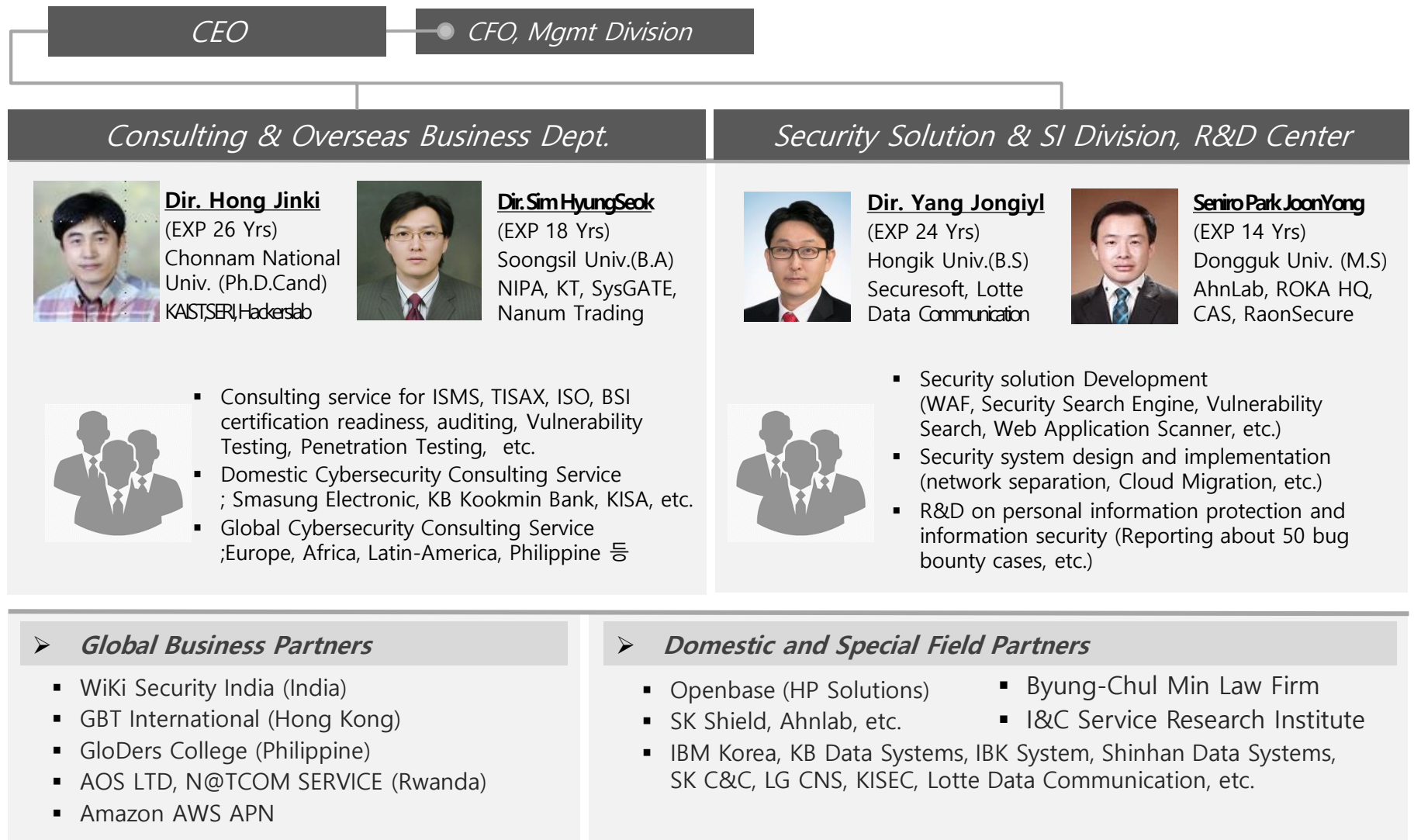
**that eliminates the blind spots of information security  
around the world by sharing Korea's experiences and know-how**



# COMPANY HISTORY



# ORGANIZATION CHART





## Registration No. 10-1259897

- Apparatus for the efficient remote security threat diagnosis and its method
- Korean Intellectual Property Office
- Summary:  
The technical invention relates to a remote security vulnerability test apparatus and method, and it is possible to obtain specific information about the vulnerability of the device, thereby providing a safe vulnerability analysis.



## Registration No. 10-0628296

- Method for Analyzing Network Attack Situation
- Korean Intellectual Property Office
- Summary:  
The technical invention uses a timeslot-based counting algorithm to count the occurrence frequency of an attack situation, and then analyzes the attack situation such as the occurrence frequency of a detection alert to accurately detect the network attack situation in real-time without affecting the amount of alert generation provide the function

# CERTIFICATIONS & AGREEMENTS

## Home & Abroad Business Part

- Military Service Exception Firm - Military Manpower Administration
- Selected as a Hidden Champion Company - Ministry of Employment and Labor
- Designated as a Prospective Export SME Company - Ministry of SMEs and Startups
- Certification of venture business - Korea Technology Finance Corporation
- Certification of corporate R&D institute - Korea Industrial Technology Association
- Member companies of Korea International Trade Association - Korea International Trade Association
- Trade business ID number issued by KITA - Korea International Trade Association
- Africa (Rwanda) National Electronic Procurement System Supplier company

## Technology R&D Part

- Member company of the KISA's Cyber Threat Information Analysis Sharing System (C-TAS)
- Technology transfer company from Korea Advanced Institute of Science and Technology (KAIST) - intelligent malicious web page detection system based on real analysis environment
- Software business certification – Korea Software Industry Association



## Education & Social Service Part

- Regular sponsor company of World Vision(Global NGO Organization)
- Enterprise field trip agreement to Seoul Women's University, Gachon University, The University of Suwon, Daeduk University
- Concluded industry-university cooperation with special purpose high school (Incheon Information Science High School, Incheon Meister high school)
- KISA Academy National Human Resources Dev. Agreement
- TTA's National Human Resources Dev. Consortium Agreement



# STRONG POINTS

**+20 Years**

**IT & Cybersecurity Experiences**

- More than 20 years of experience in ICT and Cybersecurity fields
- Carried out in related businesses from the infancy of the domestic information security market
- Possess experience in solving information security issues in various industries

**100 %**

**Service Balancing Capability**

- Capability from consulting (planning) to security system design and development (provide full-cycle service)
- Possess the capability to satisfy 100% of the lifecycle of information security PDCA

**+10 Years**

**Overseas Business**

- More than 10 years of overseas information security business experience since 2009
- Securing know-how for overseas business execution
- Continents around the world including South America, Southeast Asia, Europe, and Africa

**+270**

**Cybersecurity Projects**

- Possess experience in performing 270 projects, including public/administrative, group affiliates, game, construction, manufacturers, and travel agencies as well as financial companies
- Possess a high understanding of the business of various industries

**47 %**

**Financial Sector Projects**

- The financial industry, which is more sensitive to information security than any other industry, accounts for more than 47% of the total projects.
- Financial sector projects include Kookmin Bank, Woori Bank, Shinhan Bank, etc.

**+92 %**

**B.S, M.S, Ph.D.**

- More than 92% of employees majored in information communication or cybersecurity at a university or graduate school
- Possess a wide field of expertise with a bachelor's, master's, or doctoral degree in the information and communication sector or cybersecurity sector

# BUSINESS AREAS

## Cybersecurity Consulting Service

- Managerial Side
  - Information Security ISP Consulting
  - Information Security Certification (ISO27K,GDPR BS10012, K-ISMS, NYCRR 500) Consulting
- Technical Side
  - Penetration Testing, Vulnerability Testing
  - Theme based testing (Social Engineering, computer Incident Analysis, etc.)

## Global Cybersecurity Business

- Consulting on national cybersecurity strategy and master plan (NCS) establishment
- Global information security certification and compliance readiness consulting (ISO 27001, GDPR, TISAX, etc.)
- Technical security check consulting (Penetration Testing, Vulnerability Testing)
- Cybersecurity training (Bug Bounty, etc.)

## Cybersecurity Solution Development

- Development and maintenance of security system
  - WiKi-Shodan (security search engine), WiKi-ARAM (WAF)
- Global security system interworking module development

## Information Security R&D

- Global Bug Bounty Trend and Platform Comparative Analysis (HackerOne, Bugcrowd, Open Bug Bounty)
- OpenVPN development research using Open VPN G/W
- A study on smart car injection attack technique using USB2CAN device

*20+ Years  
Experiences*

*10+ Years  
Overseas Business*

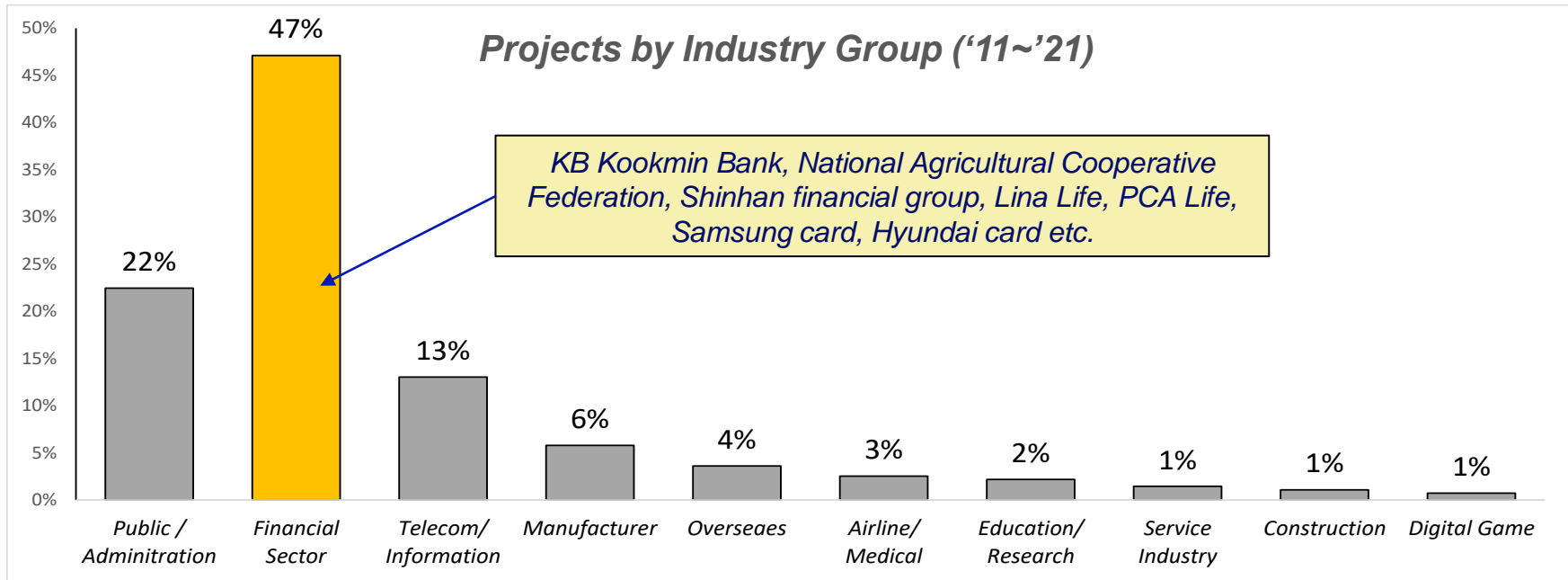
*47 %  
Finance Customers*

*100 %  
Balancing Capabilities*

*270+  
Cybersecurity Projects*

*92+ %  
B.S, M.S in ICT*

# PROJECTS & CUSTOMERS





# PROJECTS (Abroad)

Year	Country/Organization	Project Name	Main Scope
2020	Auto parts manufacturing plants in Korea and Slovakia	ISO/IEC 27001 and TISAX Certification Readiness Consulting and Certification	ISMS Implementation and Certificate
2019	Rwanda AOS LTD (IDC, ICT Service Provider)	ISO/IEC 27001 Certification Readiness Consulting	ISMS Implementation and Certificate
2018	Kosovo (TAX Administration of Kosovo)	Kosovo/TAK's Adaptive Security System Development Pilot Program	Security Hardening for Tax Web Service
	Rwanda KT Rwanda Networks	ISO/IEC 27001 Consulting, Auditing, And Certification	ISMS Implementation and Certificate
2017	KISA (Korea Internet and Security Agency)	Cybersecurity Alliance for Mutual Progress (CAMP) Website Improvement Project	CAMP's website Improvement
	Kosovo (TAX Administration of Kosovo)	2017 GCCD Security Consulting for Developing Country	Managerial and Technical Security Consulting on TAK
2016	KISA (Korea Internet and Security Agency)	2016 Convergence Security manpower training education project	Developed information security education module and textbook
	Philippine/NTC (National Telecommunications Commission)	Philippines Radio Spectrum Management System PMC	Radio wave management system construction PMC
2009 ~2015	Moldova/MTIC (The Ministry of Information Technology and Communication)	Information Security Policy Consultation on the Republic of Moldova	Establish national information security strategy
	Myanmar/MCPT (The Ministry of Post and Telecommunication)	Consultation on Information Protection Policy on the Union of Myanmar	Establish national information security strategy
	Ecuador/MINTEL (Ministry of Information and Social Affairs)	Consultation on Information Protection Policy in Ecuador	Establish national information security strategy
	Colombia/Ministry of Communications	Consultation on Information Security and Cyber Terrorism Protection	Establish national information security strategy

# PROJECTS (Home)

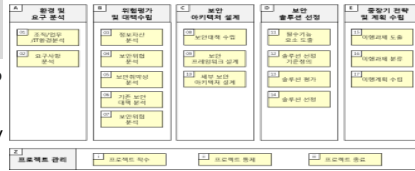
Year	Client	Project Topic
2021	KB Kookmin Bank	Global Internet Banking, KB Liiv Reboot Renewall, E-Capital Marketplace, etc.
	SK group Family company	SK Gas, SK Advanced, around 30 SK group family companies
	Korea Internet and Security Agency(KISA)	Technical support to improve bug bounty and new vulnerability reporting
2020	KB Kookmin Bank	Upgrading the chatbot system, Corporate Credit Process Innovation Development, An integrated platform for account-based payment service
	Korea Internet and Security Agency(KISA)	Technical support to improve bug bounty and new vulnerability reporting
	SK Telecom	Annual security vulnerability testing for SK Telecom (T-Phone Part)
2019	KB Kookmin Bank	Web/App security vulnerability & penetration test (Liiv Mobile, Corporation Banking, Log collection, etc)
	Korea Internet and Security Agency(KISA)	ISP to establish a national vulnerability information portal (KVIP)
2018	KB Kookmin Bank	Internet Banking, Star Banking APP, Asset Management, Liiv, Real Estate, Web/App security vulnerability & penetration test
	National Information Resource Service	Build Next-Generation security system based on Artificial Intelligence(2018)
	SK Telecom	2018 Annual Penetration & Vulnerability Test
	SK OneStore	2018 Annual ISMS Certificate Readiness consulting
	KOICA	Incident Tracking and Analysis (Web site)
	Seoul St. Mary's Hospitals	Annual ISMS readiness consulting
	Shinhan Financial Group	2018 Annual Vulnerability and Penetration Test
	Korea Investment & Securities	Mobile APP Security Vulnerability Test
2017	KB Kookmin Bank	Video Call(Non-face), L-Project, Non-face-to-face Interactive Banking, S-Project, KB Mobile Star Banking,
	Korea Local Information Research & Development Institute	ISP Consulting for Building Big Data based Security Operating Center
	Samsung Card	Security Vulnerability and Penetration Test
	SK OneStore	2017 Annual ISMS Certificate readiness consulting
	Woori Bank	Security Vulnerability and Penetration Test
	SK Telecom	2018 Annual Penetration & Vulnerability Test
	Samsung Life Insurance	Penetration Test
	NHN Entertainment	ISO/IEC 27001 Annual Certificate Readiness Consulting

# CONSULTING METHODOLOGYS

Managerial Side

## Enterprise Information Security Consulting Methodology (WK-ESCM)

- (Personal) information security ISP establishment
- Comprehensive security strategy establishment
- Establishment of company-wide security strategy



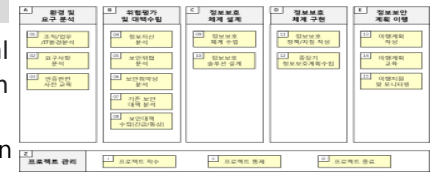
## Information Security Organization Design Methodology (WK-OACM)

- Analysis of the workload and related status of the security-dedicated organization
- Establishment of improvement plan for security organization optimization



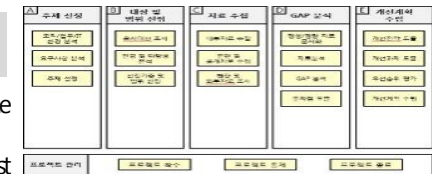
## Security Certification Consulting Methodology (WK-CRCM)

- Establishment of personal information protection process
- Establishment of (personal) information protection certification system
- Personal information impact assessment



## Benchmarking Consulting Methodology (WK-BMCM)

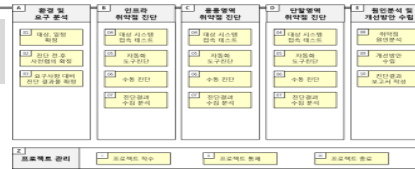
- Selection of best practices compared to the target model and definition of scope
- Suggestion of benchmarking method for best practices



Technical Side

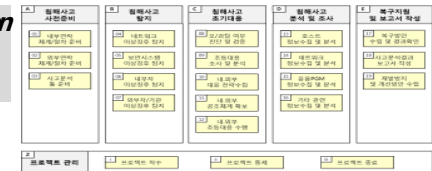
## Security Vulnerability Testing Methodology (WK-VACM)

- Establishing a safe service environment
- Threat factor assessment and vulnerability analysis
- Evaluate the result of vulnerability inspection and establish protection measures



## ISP consulting methodology of Information system establishment (WK-ISCM)

- AS-IS analysis and TO-BE requirements analysis
- TO-BE system technology element derivation and design



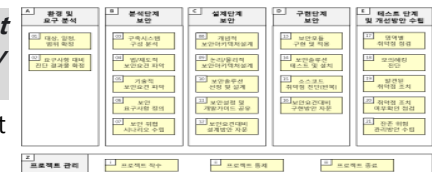
## Penetration Testing Methodology (WK-PTCM)

- Rapid response to the latest security vulnerabilities
- Scenario development for the latest issues



## Information system development security consulting methodology (WK-SDCM)

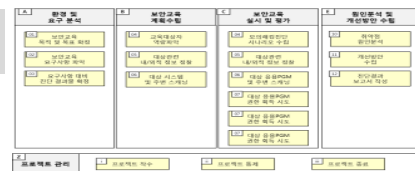
- SW development security policy establishment
- Conduct developer security training
- Conduct a security review



Training Side

## Security Education Consulting Methodology (WK-SECM)

- Establish an annual training plan
- Security education for information security officers/developers/users



## Security simulation training consulting methodology (WK-STCM)


- Establishment of cyber crisis response system
- Scenario-based simulation training
- Conducting mock training for company-wide and security personnel



# PRODUCT LINE-UP

## → Attacker's viewpoints

**WiKi-Shodan**

 **Security Search Engine**


Service port and Vulnerability of public IP devices of countries/continents are always scanned and stored, and various search functions

**WiKi-WS**

 **Web Application Scanner System**

Scans web applications for web security vulnerabilities recommended by OWASP Top10, and reports the vulnerabilities found

**WiKi-Dugong**

 **Malware Distribution Website Detection**

Malware distribution URL inspection and reporting that exploits Drive-by Download vulnerability


External Network

Internet

## → Defender's viewpoints


Internal Network

**WiKi-ARMA**

 **Web Application Firewall**

A system that detects and defends against various attacks on web applications (OWASP Top10, CWE, etc.)

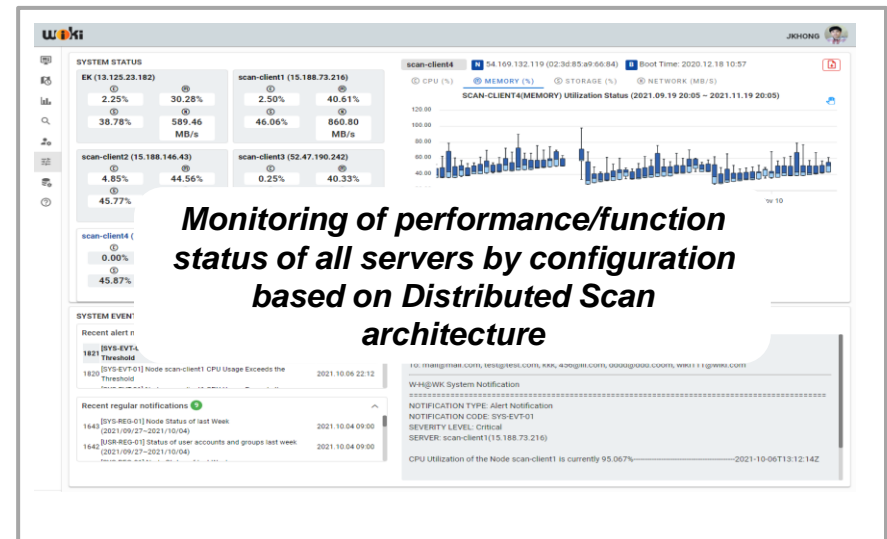
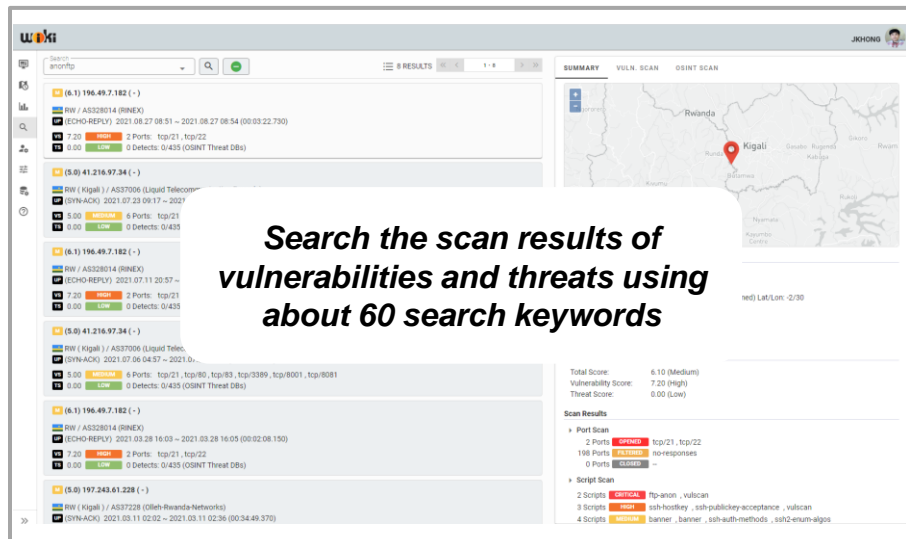
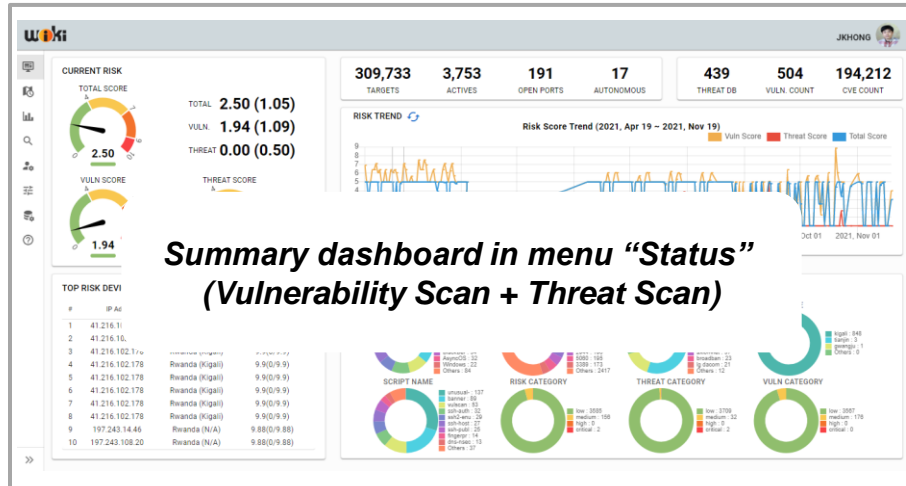
**WiKi-MONSTER**

 **Log and Security Event Monitoring System**

A system to prevent risks in advance through the integrated collection and correlation analysis of logs of various IT systems and events of security systems

# PRODUCT SCREENSHOT

## ➔ WiKi-Shodan (Security search Engine)



# PRODUCT SCREENSHOT

## ➔ WiKi-ARMA (Web Application Firewall)

**WAF Main menu dashboard**

Home | Logged User: Admin | Logout | Last Login: 2018-10-11 20:13:13

Current Filter: [ Date: 2018-10-11 00:00:00 Until 2018-10-11 23:59:59 | Reset for Today | Clear Filter ]

Operation Mode: **On** | Total Rules: **458** | Total Events: **1,472** | Total Attacker IPs: **8**

**Top Threat IP Address**

Rank	IP Address	Rate(%)	Count	Country
1	192.168.1.6	94.49	120	Unknown
2	192.168.1.10	5.51	7	Unknown

**Top Threat Event**

Rank	Event Message	Rule-ID	Rate(%)	Count
1	minicom allow	1	85.83	109
2	Host header is a numeric IP address	920350	30.71	39
3	XSS Filter - Category 1: Script Tag Vector	941110	12.6	16
4	NoScript XSS InjectionChecker: HTML Injection	941160	12.6	16
5	SQL Injection Attack Detected via libinjection	942100	10.24	13

**Top Threat URL Path**

Rank	URL Path	Rate(%)	Count
1	/d/vwa/vulnerabilities/xss_r/	21.26	27
2	/d/vwa/dvwa/css/main.css	17.32	22
3	/d/vwa/vulnerabilities/sql/	12.6	16
4	/d/vwa/index.php	10.24	13
5	/d/vwa/login.php	7.87	10
6	/d/vwa/vulnerabilities/evsec/	4.72	6

**Event Log**

Home | Logged User: Admin | Logout | Last Login: 2018-10-11 15:59:42

Current Filter: [ Date: 2018-09-12 00:00:00 Until 2018-10-10 23:59:59 | Please for Today | Clear Filter ]

Action	Date/Time	Source/Port	Host/Name/Path	Rules Alert	Severity	Event
⊘	2018-10-04 17:04:26	192.168.1.6:80	Hostname: 192.168.1.41, Port: 80 Method: GET, Path: /d/vwa/vulnerabilities/xss_r/?name=%5Cscript%5E&user_token=20871ee3cef4e15de49e93fba814	(Rule ID: 941160) XSS Filter - Category 1: Script Tag Vector (Matched Data: <script> found within ARGSname: <script>)	⚠	Details
⊘	2018-10-04 17:04:24	192.168.1.6:80	Hostname: 192.168.1.41, Port: 80 Method: GET, Path: /d/vwa/dvwa/css/main.css		⚠	Details

**Search function for attacks and events detected by WAF**

**Top Threat Event**

Rank	Event Message	Rule-ID	Rate(%)	Count
1	minicom allow	1	85.83	109
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3	XSS Filter - Category 1: Script Tag Vector	941110	12.6	16
4	NoScript XSS InjectionChecker: HTML Injection	941160	12.6	16
5	SQL Injection Attack Detected via libinjection	942100	10.24	13
6	XSS Attack Detected via libinjection	941100	8.66	11

**Rule Management**

Home | [+ Add Rule For Expert]

Event Log | Variables: Please Select [Add]

Operator: Please Select [ ]

**Rule Management function for WAF detection and blocking**

[Apply]

*End of Document*

## **CONTACT POINT**

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