Our web Security solution
Protects 4M websites in Korea
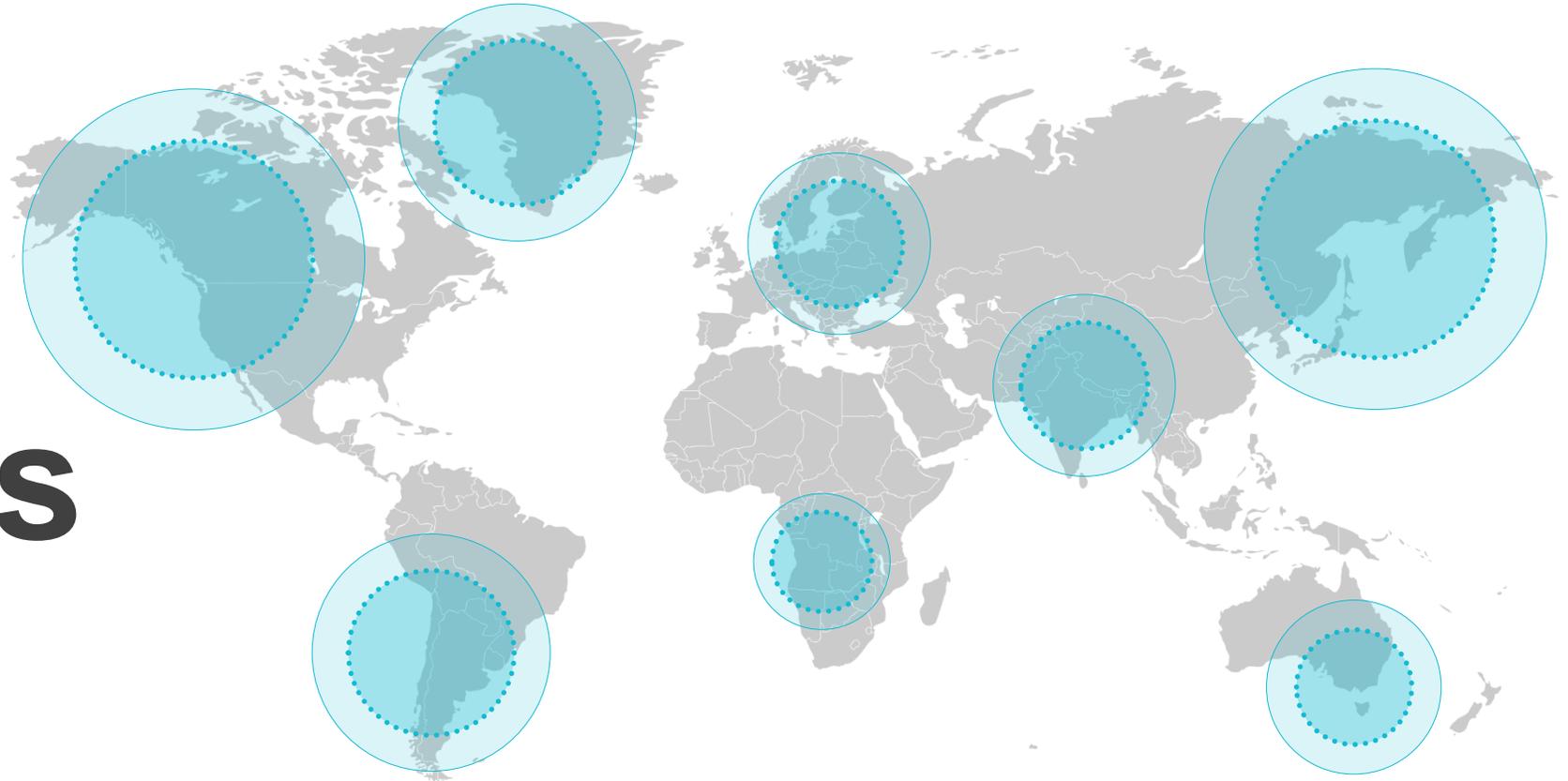
F1 **F1Security**

80% of all cyber hacking incidents are caused by **websites** being **attacked**

Websites Attack

- Buffer Overflow
- Cross-Site RequestForgery (CSRF)
- Deface
- Broken Authentication
- Using Components with Known Vulnerabilities
- Sensitive Data Exposure
- Unvalidated Redirects and Forwards
- Unvalidated Input
- XML External Entities
- Cross-Site Scripting (XSS)
- Broken Access Control
- Insufficient Logging & Monitoring
- Security Misconfiguration
- Insecure Deserialization
- Injection
- Failure to Restrict URL Access
- Insufficient Transport Layer Protection

70% of **ransomware** attacks are **distributed via websites**

One in 13 of the world's websites is

malicious

Web hacking cannot be solved with a single security product

Hacker

Web Attack

Websites

① **Take control of web servers by cyber attacking insecure website**

② **90%of hackers install WebShell to use them later**

③ **Spreads malicious codes such as ransomware through website in own control**

Malware
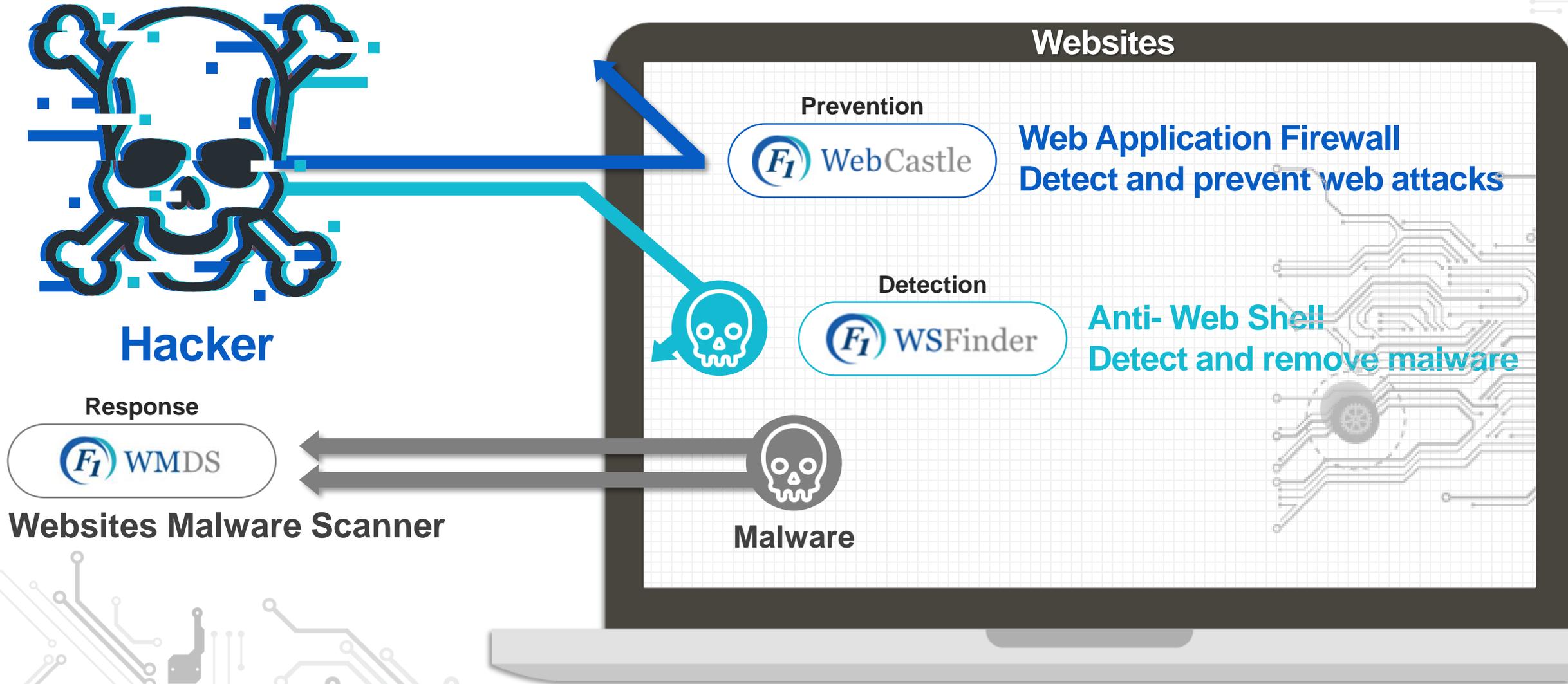
We provide **all-in-one web security solution with one platform**

F1Security
UWSM

**Conceptual
expansion and refinement**

All-In-One

FORTINET
UTM

Firewall + IDPS + Anti-virus

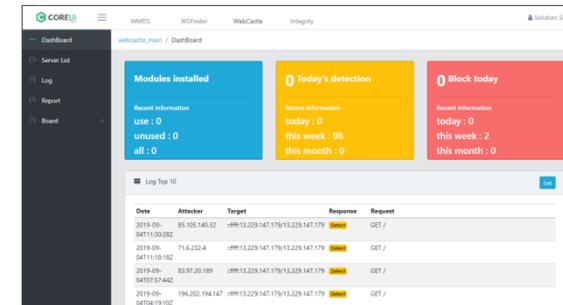**WebCastle**   **WSFinder**   **WMDS**

Packaging Products ⊕ **Centralized management**

- Web Application firewall

- Anti-WebShell detection

- Website Malware scanner

- Website Forgery Detection

- Privacy data loss detection, etc.

Detection and analysis of malicious code distribution on 4 million website

Business Summary

Business item
Malware Analysis & Distribution Detection Treatment support business

ordering organization
KISA

Business Period
2017.1.1 ~ 2020.12.31

Abstract
Detect malwares, Prevent distribution through web and respond early

Description

MCF (Malicious Code Finder) Operation Business

Malware distribution response Activity through web

Response report of media report	Report of Issue response	Response report of mass detection	Periodic Report (Stat's, Trends)
dissemination **Detection**	deletion **Treatment**	malware **Analysis**	Foreign dissemination site command control server **Block**
System automatic detection	Treat stop by site	Analyse malicious scripts	Block foreign distribution site
Outside detection	Treat distribution site	Compose distribution structure	Block foreign information leakage site
C-TAS, Google, MS, etc	Send treat guide letter	Analyse malware	Block foreign command control site
Webhard, Free S/W detect Forgery	Investigae CS(Customer Satisfaction)	Create detection pattern Check command control server	

Update check domain
- Domestic domain selection
- Check domestic domain connection

Webhard, free S/W
- Update checking object information

System malfunction Mgt.
- 2017 new introduced system stabilization
- First reporting, recover in 1hour

Human Mgt.
- Affair capability analysis capability reinforcement
- Stable personnel offering
- Manage affair satisfaction & encouragement

Project Mgt. / Support
- Security management
- Schedule production item Mgt.
- Education and couseling

Yearly **5,000 websites** vulnerability checking and treatment support

Business Summary

Business item
web vulnerability diagnosis and web security tool supplement business

ordering organization
KISA

Business Period
2017.1.1 ~ 2020.12.31

Abstract
Perform web vulnerability diagnosis, web shell detection, free web firewall supplement

Description

Web security support business of SMB

Establish SOC(security operating centers) **or CERT overseas**

Security Operating Center

Incharge security service As Korean governmental agency, KISA does. They check 4 million sites at the present

Propose to East-south nations like Thailand, Vietnam, Philippine, Malaysia, Indonesia as like KISA role

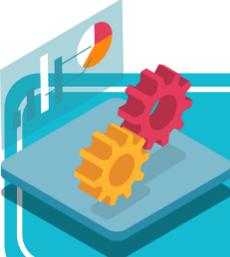**Perform analyze and detect all of related nations' web sites**

Europe

Middle East

KISA 한국인터넷진흥원

Japan

Thailand

Vietnam

Malaysia

Philippine

Indonesia

Cloud based Security Service Model

Service Provider (Local company or JV)

Security Service Infra

Enterprise

Local Partner

1 Join & apply

2 approval

3 Service provide

- ✓ Web vulnerability scan
- ✓ Web firewall
- ✓ Web malware detection
- ✓ Webshell detection

4 Charge

Local Enterprises

LPO (Local Partner Operation) **Type**
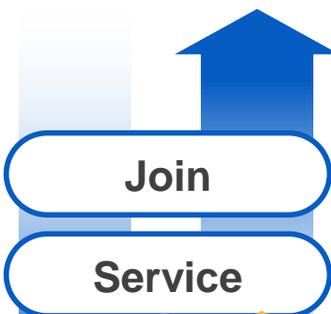
General Information
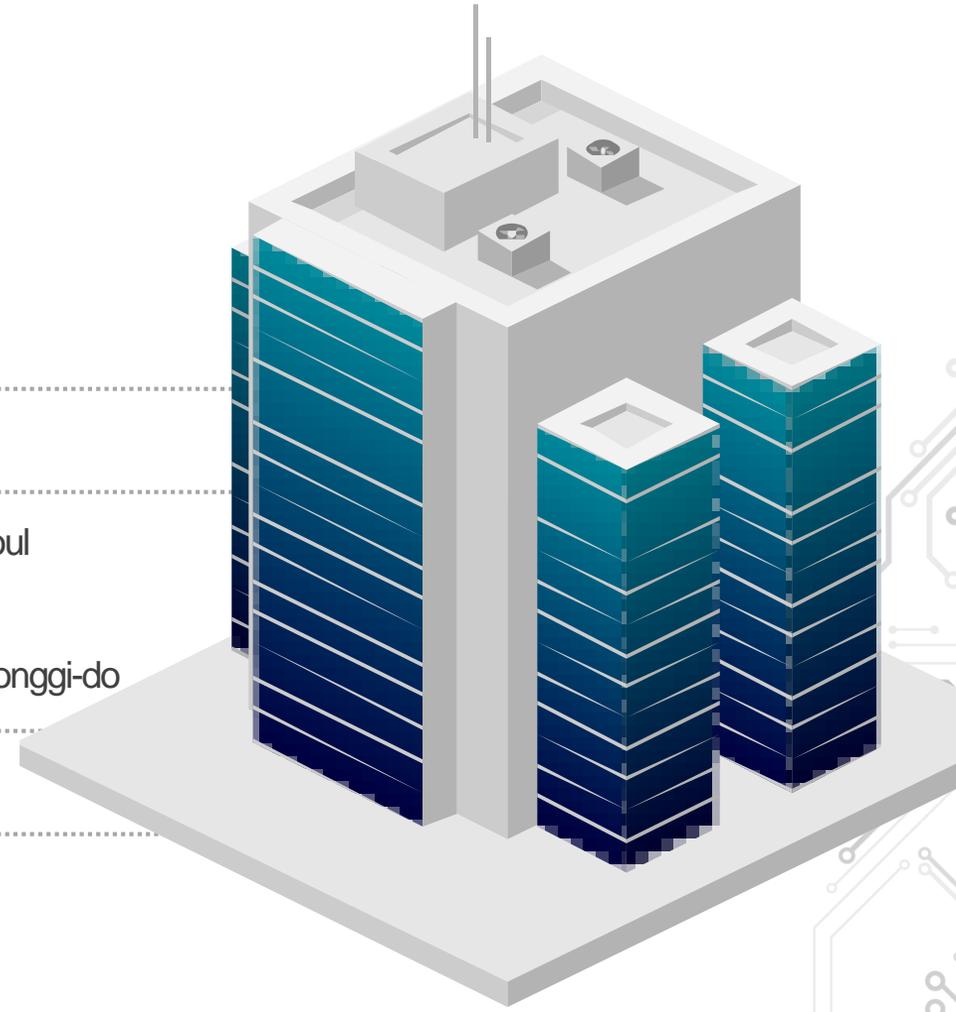
Company name	F1security, Inc.
Representative	Lee, Dae-ho
Address	(Head office) #952AB Ho, H-3, KIST, Hwarangno 14-gil 5, Seongbuk-gu, Seoul
	(Research) #1003, 128, Gasan digital 1-ro, Geumcheon-gu, Seoul
	(Research) #455, 815, Daewangpangyo-ro, Sujeong-gu, Seongnam-si, Gyeonggi-do
Since	October 2012
Staff	50

Core Workforce

Lee Dae-ho / CEO

F1Security CEO / Chief Consultant

Total career : 20 years

Qualification : ISO 27001 / ISMS / PIMS / PIPL certification auditor,
PIA, CISA, CISSP, CIA, Industrial security manager,
Engineer Information Processing, information security prior diagnosis attendant

Educational qualification : bachelor's degree
(Yonsei University, Department of Philosophy / Computer Science / Business Administration)

Development of security solution/A.I Research

- Director of Research (Master)
- Development career : 20 years

- Lee, In Young Chief Researcher (Master)
- Development career : 20 years

- Yi, Hyoung Chief Researcher
- Development career : 14 years

- Choe, Sim Hyeon Senior Researcher (Master)
- Development career : 10 years

- Jin, Se Min Senior Researcher
- Development career : 10 years

- Kim, Hyun Soo Assistant Researcher (Master)
- A.I

Main Capability

Information security consulting and Development of information protection system

- Project management
- Information security management system (ISMS, ISO27001)
- Personal Information Management System (PIMS)
- Security audit, Establishing security policy / guideline, Risk assessment, Establishing information security Master Plan
- Experience in consulting more than 100 customer sites
- Managing director of technical development projects such as WMDS

Career

- AhnLab
- Kolonbenit
- A3security

Consulting/Malware Analysis/hacking

- Kim, Ki Hwan directior (Ph.D)
- Consulting career : 11 years

- Ji, Young Min Chief consultant
- Consulting career : 11 years

- Baek, Myeong Hui Seniorconsultant
- Consulting career : 11 years

- Lee, Jun Ho Junior Consultant
- Consulting career : 5 years

- Lee, Bo Won Junior Consultant
- Mock Hacking : 4 years

- Shin, Kyoung-A Chief consultant (Master)
- Consulting/Analysis : 17 years

- Park, Seung Pill Chief consultant
- Analysis career : 16 years

- Kim, Min Seok Junior Consultant
- Analysis career : 4 years

- Lee, Whang Hee Assistant Consultant
- Analysis career : 4 years

- Jo, Sang Hyun Assistant Consultant
- Analysis career : 2 years

Sales

- Choi, Sung Su Vice President (Master)
- Development/Sales Career: 17years

- Hwang, Young-Suk Executive Director (Master)
- Development/Sales Career: 15years

[Reference] **Intellectual Property Rights**

Classification	Title	Summary	Application or Registration	Applicant or Manager
Patent	Malware Detection Device and Method	Technology transfer (patent)	No. 10-2007-0119190	F1security
Patent	Web site malware detection and prevention system	Application / Registration 2016.12	No. 10-2015-0077292	F1security
Patent	Network security system and method to detect exploit code	Technology transfer (license)	Registered patent in Korea No. 1047118	Electronics and Telecommunications Research Institute
Patent	Malicious code hiding site detection technology / Web shell detection technology	Technology transfer (license)	Korea Internet Security Agency	Korea Internet Security Agency
Patent	Method and System for Detecting Unstructured Malicious CodeUsing Process Behavior Prediction Technique	Technology transfer (patent)	(US) 8181248	National Security Research Institute
Patent	Risk Analysis System of Malicious Code by Using Machine Learning	Application / Registration 2017.12	No. 10-2017-0097491	F1security
Patent	Risk Analysis System of Malicious Code by Using Machine Learning	Overseas PCT Application 2017.12	PCT/KR2017/014233	F1security
Patent	Web site forgery detection method and system	Application 2017.08	No. 10-2017-0106962	F1security
Patent	Webshell detection system	Application / Registration 2018.05	No. 10-2018-0012441	F1security
Patent	Malicious code detection device and method	Application 2018.06	No. 10-2018-6072213	F1security
Patent	Web attack detection and prevention system	Application 2018.06	No. 10-2018-0063747	F1security
Trademark	WMDS	Registration 2017.02	No. 40-1234673	F1security
Trademark	F1SECURITY	Application 2017.10	No. 40-2017-0073030	F1security

2019.11.13
Thailand Baycomputing MOU

에프원시큐리티, 태국 베이컴퓨팅과 정보보호 사업 협력

발행일 : 2019.11.13

[AD] ROHM(로옴), 1700V SiC MOS 내장 AC/DC 컨버터 신제품 출시

2019.11.4
Mongolia OUG MOU

에프원시큐리티, 몽골 오유니운드라그룹과 정보보호사업 손잡았다

발행일 : 2019.11.04 15:30

[Reference] **Abroad Business Case**

USA Beyond Security	Vietnam Cyber security 10.14~10.15	Malaysia Cyber Security Agency 10.18

CEO 1st Visit 9.25

CEO/CTO 2ed Visit 9.25

11.13 ~ 11.14

USA Silicon valley
North America
2019 EXPO

11.19 ~ 11.20

USA Washington D.C.
meeting

Indonesia office

Thailand office

Vietnam HCMC office

168 GLOBAL
INTERTRADE CO.,LTD.
บริษัท 168 โกลบอล อินเตอร์เทรด จำกัด
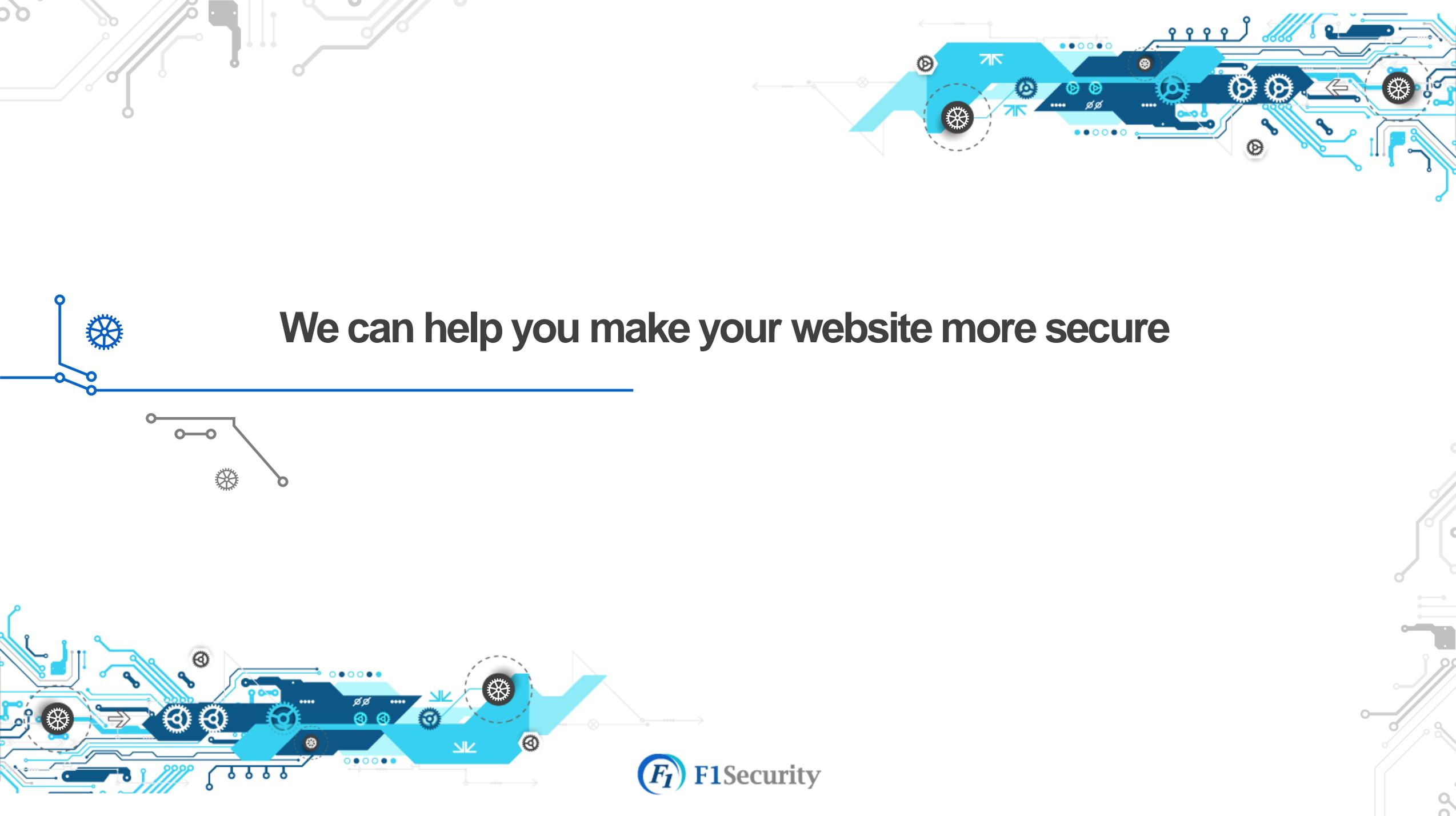
We can help you make your website more secure

F1 Security