

# Managing Information Security Risks

SK innovation is enhancing its measures against cyber-attacks and other security threats that may occur due to the automation and digitization of business facilities, as well as telecommuting due to COVID-19, while working on their implementation.

Taking a proactive approach in dealing with internal and external security threats, we have selected 'Managing Information Security Risks' as a priority task and share the importance of implementing effective security programs to protect information. To this end, we set mid/long-term goals and developed action plans for the protection of personal information and industrial secrets.

This priority task will enable us to enhance the overall sustainability of our corporate activities by successfully implementing security programs as we focus on fulfilling our social responsibility toward our shareholders, employees, customers, and other stakeholders.



A security training for information security risk management

## Priority Task Implementation Strategy (Mid/Long-term Strategy)

At SK innovation, we have set to achieve 90% of standard security management index and 100% of security training completion rate by 2025. At the same time, we will establish a global security management system and process to prevent any leakage, violation and misuse of information. First, to internalize information security systems that meet the level of information security certification (ISMS / ISO27001) at Korea and overseas, we will raise the level of risk management in relation to international and local security regulations. In addition, we will strengthen the security responsibility management through employee training and campaigns. Going forward, in order to prevent information leakage and misuse, security regulations will be established and revised. Information security goals and standards for each business sites will be reinforced through continuous management of security indicators as well. We also plan to strengthen our ability to respond to cyber infringement and information leakage incidents by reorganizing the security incident response system.

## Action Plans for 2022

In 2022, we will enhance our security management system by appointing a CISO (Chief Information Security Officer) and update domestic security policies and procedures. At the same time, we will acquire new international security standards certifications and maintain existing standards. In order to manage the risk of security violations, we will complete the development of an advanced threat management system that started in 2021 and initiate the development of security management indicators for each subsidiary.

### 2022 Action Plans



#### Information Security System

- Complying with disclosure requirement and appoint a CISO
- Responding to government surveys on business sites designated for national technology
- Establishing and updating standardized information security regulations/procedures
- Maintaining and expanding information security standard certification
  - Domestic: SKI subsidiaries, SKE, SKON, SKIET Jeungpyeong
  - Overseas: business sites in U.S., Hungary, China and France



#### Security Risk Management

- Establishing and operating an advanced threat management system
- Achieving 100% for security training completion rate
- Developing and test application of security indicators for each subsidiary

### Goals for 2025



Ensuring compliance with the majority of global information security measurement standard

more than 90%



Achieving full participation in information security training

100% participation

### Progress in 2021

In 2021, we carried out the following activities to protect all our tangible and intangible assets including personal information of employees and customers as well as intellectual properties.

#### Privacy and Security Certification Management

We validate and maintain our security certifications acquired from international agencies including ISO-IEC 27001:2013 and ISO-IEC 27701:2019, as well as domestic certifications such as ISMS and ISMS-P.

#### 2021 Certification Management



##### Domestic Certifications

- Renewed ISMS certification for SKI security system operation management
- Renewed ISMS-P certification for SKE EnClean<sup>1)</sup>



##### Overseas Certifications

- Renewed G-HR<sup>2)</sup> ISO/IEC 27001:2013 and acquired ISO/IEC 27701: 2019 certification for SKI subsidiaries
- Renewed ISO-IEC 27001:2013 and acquired ISO-IEC 27701: 2019 certification for SKE EnClean
- Renewed ISO-IEC 27001:2013 for SKI Battery and SKIET material business sites
- Expanded the scope of ISO-IEC 27001:2013 for the business sites in Hungary

#### Global Privacy Compliance

SK innovation reviews global security laws and regulations to manage personal information related issues and to ensure compliance of its products and services with local regulations. We are committed to carrying out compliance with state laws including CCPA (California Consumer Privacy Act) as well as GDPR (General Data Protection Regulation) in EU, PDPA (Personal Data Protection Act) in Singapore. Special information security measures were taken to protect personal information at the subsidiaries in China in 2021.

#### Enhancement of Privacy and Security Management

In 2021, SK innovation conducted an integrated security level check and organized security training for subsidiaries and independent contractors. We also introduced training with simulated security violations and malicious emails for our employees to raise their awareness.

#### Protection of Industrial Secrets

SK innovation complies with local laws and regulations in relation to industrial secrets to protect both tangible and intangible assets including core technology and human resources. In 2021, we fulfilled our reporting obligations for exporting core technologies, and fully cooperated with the inspections on organizations with national core technologies.

#### Employee Security Training

In 2021, to raise our employees' security awareness, we conducted 6 training sessions for New Comers, 2 sessions for new employees, 2 sessions for personnel working at Daedeok Research Institute, and 1 online industrial technology security training session for those working in the battery/material business.

#### 2021 Security Training

CATEGORY	Unit	Common	Process Security (Ulsan CLX)	Industrial Security (SKON, SKIET)	Total
Participants	person	2,581	3,650	1,755	7,986
Completed	person	2,403	3,611	1,671	7,685
Not completed	person	178	39	84	301
Completion rate	%	93.10	98.93	95.21	96.23

#### Progress in 2021



Checked the security level of SKI subsidiaries and external contractors

about **120** companies



Provided security training to SKI subsidiaries

**96%** participation



Provided security training to personnel (outside contractors) handling personal information

**100%** participation



Organized training for simulated security violations and malicious email

1) A membership brand operated by SK innovation  
2) Global HR information system commonly used by SKI subsidiaries