



INFORMATION SECURITY CLUSTER



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Introduction to the Facilities



Overview of the Southeast Information Security Cluster

Background

As a hub of national key industries, the Southeast region is exposed to cyber threats, potentially leading to significant damage. Therefore, it is crucial to drive the secure digital transformation of regional strategic industries and address information security gaps in the area.

Purpose

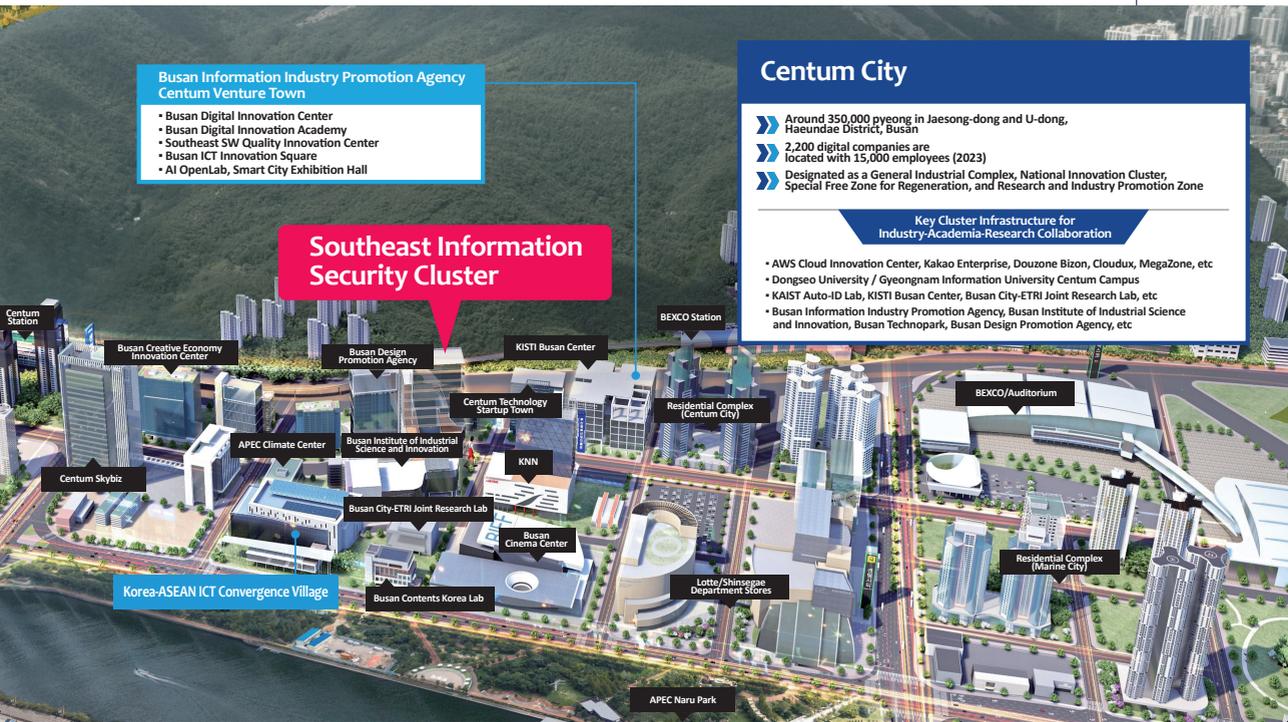
To create an information security cluster linked to regional strategic industries and foster a growing information security industry ecosystem in the area

3 Key Projects

Smart Ocean, Smart City, Smart Factory



Size and Location of the Southeast Information Security Cluster



Busan Information Industry Promotion Agency Centum Venture Town

- Busan Digital Innovation Center
- Busan Digital Innovation Academy
- Southeast SW Quality Innovation Center
- Busan ICT Innovation Square
- AI OpenLab, Smart City Exhibition Hall

Southeast Information Security Cluster

Centum City

- Around 350,000 pyeong in Jaesong-dong and U-dong, Haeundae District, Busan
- 2,200 digital companies are located with 15,000 employees (2023)
- Designated as a General Industrial Complex, National Innovation Cluster, Special Free Zone for Regeneration, and Research and Industry Promotion Zone

Key Cluster Infrastructure for Industry-Academia-Research Collaboration

- AWS Cloud Innovation Center, Kakao Enterprise, Douzone Bizon, Cloudux, MegaZone, etc
- Dongseo University / Gyeongsang Information University Centum Campus
- KAIST Auto-ID Lab, KISTI Busan Center, Busan City-ETRI Joint Research Lab, etc
- Busan Information Industry Promotion Agency, Busan Institute of Industrial Science and Innovation, Busan Technopark, Busan Design Promotion Agency, etc

Location

7th and 8th floors, Centum Central Road 55, Haeundae-gu, Busan, Dongseo University Centum Campus

Size

Approximately 400 pyeong (Net Area: 1,306.32㎡)

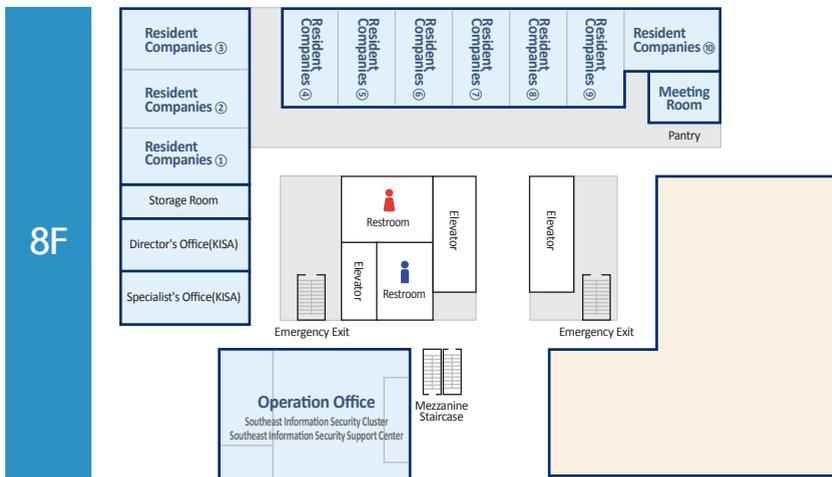
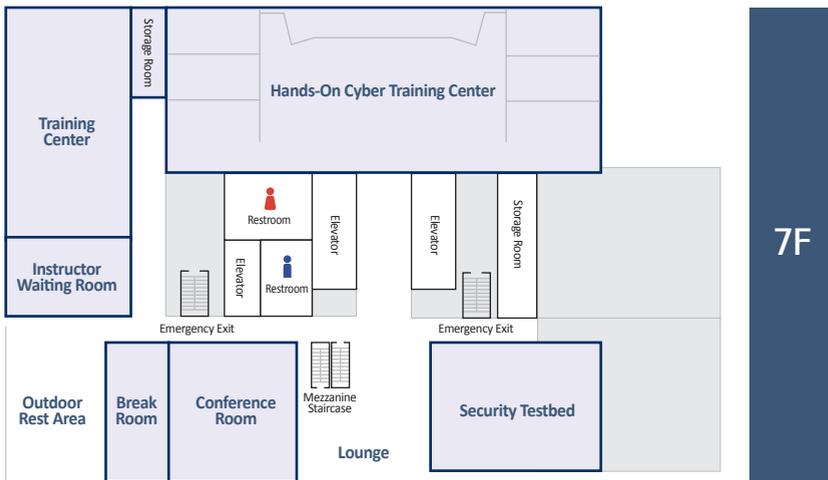
Opening Date

December 21, 2023

Facilities of the Southeast Information Security Cluster

Space Layout

Education center for cultivating local information security talent
 Space for resident companies, conference rooms,
 and security testbeds for information security companies



Facilities of the Southeast Information Security Cluster



Hands-On Cyber Training Center



Training Room



Training Center



Security Testbed



Lounge



Tenant Support Office



Conference Room



Rest Area

Facilities of the Southeast Information Security Cluster

Hands-On Cyber Training Center

Operating hands-on cyber security training programs that address real-world cyber threats using the latest security technologies

Training Programs

Conducting real-world cyber training programs - including information security product training, threat event identification training, and spear-phishing response training - to address and manage cyber threat scenarios

How to Apply

Register through KISA Academy (<https://academy.kisa.or.kr/main.kisa>)
Go to Education Programs > Annual Education Plan
> Hands-on Cyber Security Specialist Training > Offline (Busan) Training.



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Facilities of the Southeast Information Security Cluster

Security Testbed

Providing a security vulnerability analysis environment for regional specialized industries (*Smart Ocean, Smart City, Smart Factory) to enhance regional information security levels and strengthen response capabilities.

*Smart Ocean : Shipping, Ports, Shipbuilding

Smart Ocean

Smart Factory

Smart City



Purpose

Providing test environments to enable regional SMEs to perform self-assessments and take corrective actions, thereby supporting the development of security integration for regional SMEs' information security products and services.

Support Content

- Vulnerability checks for smart ship equipment and systems
- IoT equipment vulnerability checks for smart cities
- Data collection, analysis, and vulnerability checks for smart factories
- Intelligent CCTV performance testing support



Security Testbed

- Smart Ocean and Smart City : 7th floor, Centum Central Road 55, Haeundae-gu, Busan
- Smart Factory : Changwon-daero 18beon-gil 22, Changwon, Gyeongsangnam-do

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Facilities of the Southeast Information Security Cluster

Support Offices

Operating office spaces to discover and nurture companies in the information security sector, with the aim of developing a robust information security industry ecosystem in the region.

Support Office Model

Type	Size	Quantity
Type A	Approx. 34m ²	3 Units
Type B	Approx. 25m ²	7 Units
Common Areas(Conference Room and Pantry)	Approx. 13m ²	1 Units



View of the Tenant Support Office



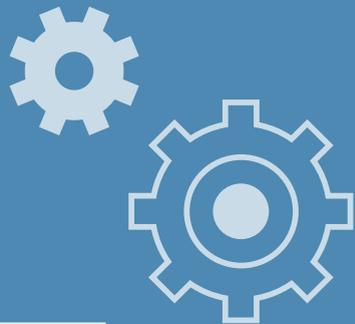
Tenant Support Office



Meeting Room for Tenants

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Introduction to the Projects



Creation of Information Security Industry Ecosystem

1. Security Campus

Promoting entrepreneurship and fostering startups in the field of information security through the discovery and nurturing of university clubs in the Southeast region.

Support Areas

- Target : Information security clubs linked to regional specialized industries
- Scale : 9 clubs
- Key Areas

Type	Areas
1	Hosting Information Security-related Seminars
2	Hosting Information Security Specialized Training and Study Groups
3	Providing Mentoring through Inviting Information Security Professionals for Employment and Entrepreneurship Counseling
4	Hosting Information Security Lectures
5	Conducting On-site Experience with Information Security Companies

Implementation Procedure



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Creation of Information Security Industry Ecosystem

2. Security Startup Camp

Providing acceleration to early-stage startups and prospective entrepreneurs in the field of information security to establish a foundation for technological advancement.

Support Areas

- Target : Early-stage startups with commercialization ideas in the field of information security
- Scale : 5 prospective entrepreneurs, 6 startups
- Key Areas : Funding support, mentoring, lectures and business model discovery support, etc.

Type	Prospective Entrepreneurs	Early-stage Startups
Target Recipients	Prospective Entrepreneurs in the Convergent Security Field	Early-stage Startup in the Convergent Security Field
Support Budget	Not Applicable	Up to 10 million won
Support Scale	5 individuals	6 startups
Operational Plan	Mentoring Support, Startup Lectures, Networking Support, etc.	Business expense support, company capability assessment, business model discovery, investment strategy development, etc.

Implementation Procedure



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Creation of Information Security Industry Ecosystem

3. Information Security IR Meetup Day

Providing opportunities for information exchange and investment attraction for information security university clubs and IT companies in the Southeast region.

Support Areas

Type	Development Area	Dissemination Area
Target Recipients	Information Security University Clubs	Information Security and IT Companies (Related to Information Security Technologies)
Support Scale	10 teams estimated	10 teams estimated
Support Details	<ul style="list-style-type: none"> - Mentoring Support through Customized Training and Consulting - Capabilities strengthening through regular opportunities for investment attraction and IR presentations 	
Follow-up Support	<ul style="list-style-type: none"> - Prize Support for Outstanding Teams - Opportunities to Participate in Domestic Information Security Networking Events (such as exhibitions and conferences) (e.g.) Support for Integration with Startup-related Programs 	

Implementation Procedure



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Creation of Information Security Industry Ecosystem

4. Development and Commercialization of Information Security Services

Creating high value-added opportunities in the regional information security industry by developing and commercializing services that integrate information security with regional specialized industries (Smart Ocean, Smart City, Smart Factory).

Support Areas

- Target : ICT companies in the Southeast region (Busan, Ulsan, Gyeongnam) interested in information security and regional specialized industries
- Support : 10 projects (6 from Busan and Ulsan / 4 from Gyeongnam)
- Main Contents : Support for Costs of Developing and Commercializing Information Security Services

[Busan · Ulsan]

Type	Intensive	Convergent
Target Recipients	Local information security companies with specialized expertise	Local ICT companies interested in the information security industry
Support Budget	Up to 200 million won	Up to 100 million won
Support Scale	2 projects	4 projects
Operational Plan	Support for the development and commercialization of information security (cybersecurity and physical security) products and services	Support for the integration of information security technologies with existing products and services in regional specialized industries

[Gyeongnam]

Type	Technology Transfer and Commercialization	Technology Commercialization	Validation
Target Recipients	Companies within Gyeongnam interested in the information security industry		
Support Budget	Up to 100 million won	Up to 200 million won	Up to 200 million won
Support Scale	2 projects	1 projects	1 projects
Operational Plan	Support for technology transfer fees, technology commercialization, consulting, etc.	Support for product and service enhancement, service expansion and marketing	Implementation and validation support for Smart Factory security models

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Gyeongnam +82-55-259-5009

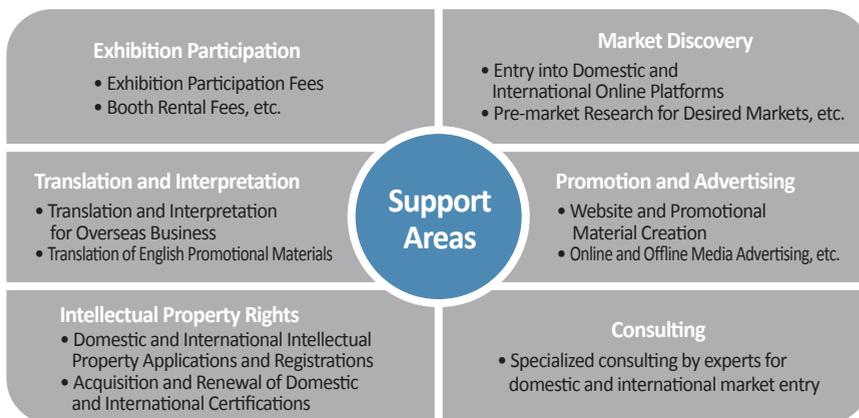
Creation of Information Security Industry Ecosystem

5. Customized Domestic and International Marketing Support

Enhancing market competitiveness of the regional information security industry by providing tailored marketing support to information security companies in the Southeast region, thereby expanding opportunities for new market discovery and market development.

Support Areas

- Target : Small and medium-sized information security enterprises in the Southeast region (Busan, Ulsan, Gyeongnam) in need of marketing support
- Support Scale : 10 companies
- Key Areas : Company-led selective support for domestic and international marketing



Implementation Procedure



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Creation of Information Security Industry Ecosystem

6. Cyber Threat Prevention and Resilience Enhancement Services

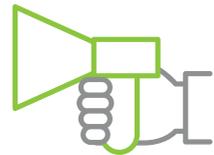
Cybersecurity threat prevention and self-resilience enhancement for companies specialized in Southeast region industries such as port logistics, shipbuilding, smart cities, and smart factories

Support Areas

- Provision of Blacklisted IPs for Threat Information Specific to Specialized Companies
- Support for Security Equipment and 24/7 Monitoring Services (upon company request)
- Enhancement of Self-Recovery Capabilities through the Establishment of Robust Security Measures
- Provision of Services to Prevent External Threats through Threat Analysis
- Provision of Threat Analysis Reports and Monthly Reports

Operation Plan

- Customized Security Equipment Setup and Monitoring Services for Companies
- Consultation with Information Security Experts and Analysis of Companies' Network Status
- Promotion of the Services and Selection of Target Companies within Specialized Southeast Region Industries
- Data Protection through Encrypted Communication between Monitoring Clients and the Cyber Safety Center



Implementation Procedure

Environmental Analysis	Inspection Consultation	Countermeasure Development	Prevention / Recovery
Smart Port Logistics Shipbuilding Smart Cities Smart Factories Smart Platforms	Status Survey of Customized Information Systems Inspection of Customized Service Operations (Interviews with Responsible Personnel)	Security Equipment Rental Cloud Migration Technical Support Backup Environment Setup and Policy Development	Real-time Security Monitoring and Response Vulnerability Remediation Assessment Cyber Threat Intelligence Services

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Network Activation

1. Cyber Security Week in Busan

Introducing the latest issues and trends in the information security industry and showcasing new technologies, while identifying security vulnerabilities in regional specialized industries and fostering information security talent.

Program Info

- Event Dates: Sep. 10, 2024 (Tuesday) to Sep. 12, 2024 (Thursday)
- Location: BEXCO Exhibition Hall 2, Southeast Information Security Cluster Practical Cyber Training Center
- Scale: Approximately 250 participants
- Program

Type	Details
Hackathon	Developing cybersecurity ideas and prototypes over 42.195 hours
Competition	CTF-based Malicious Document Identification Training and Problem-solving Competition
Conference	Building a regional information security ecosystem through sharing trends and response strategies in the cybersecurity industry



Hackathon



Cybersecurity Competition



Security Conference

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Network Activation

2. Operation and Management of Support Facilities

Operating incubation space to discover and foster companies in the information security sector, thereby creating a regional information security industry ecosystem

Selection Overview

- Scale : A total of 10 companies selected
- Target Recipients
 - Prospective Entrepreneurs and Corporate Entities (Individual or Corporate) with Ideas and Technologies (Products and Services) in the Information Security Field
 - Business Entities (Individual or Corporate) Interested in Transitioning to the Information Security Sector
 - Associations and Organizations with Relevant Activities and Achievements in the Information Security Field

Support Areas

- **Office Space** : Provision of dedicated office space for information security companies.
- **Networking** : Organization of networking meetings and capacity-building seminars for resident companies.
- **Business Support** : Notification of business support programs and opportunities.



Implementation Procedure



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Network Activation

3. Venture Security Forum (Seminar)

Hosting regular information security seminars to promote awareness and contribute to the advancement of the industry

Seminar Details

Type	Target	Contents
Membership (Resident Companies) Seminars	Resident Companies of the Southeast Information Security Cluster	Strengthening Resident Companies' Capabilities and Addressing Challenges through Lectures on the Latest Security Trends
Information Security Awareness Improvement Seminar	Regional Smart Factory Executives	Preventing Damage to Regional Specialized Industries through Information Security Awareness Seminars
Security Technology Workshop	General Public and Students (Undergraduate and Graduate Students, etc.)	Identifying the Latest Trends in Security Technology and Exploring Various Topics to Enhance Technical Expertise



Smart Factory Awareness Improvement Seminar



Membership Seminar



Security Technology Workshop

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Network Activation

4. Regional and Metropolitan Joint Committee

Discovering technologies that integrate regional specialized industries with security through the formation and operation of expert committees. Contributing to policy development and generating expected benefits within the Southeast region's cluster.

Committee Info

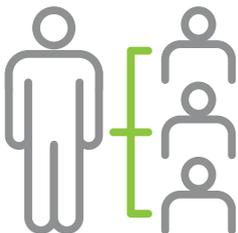
Classification	Operational Details
Regional Committee (Busan / Ulsan / Gyeongnam)	<ul style="list-style-type: none"> - Discovering Business Models Related to Information Security in Smart City, Smart Ocean, and Smart Factory Sectors - Researching Activation Strategies for Integrating Specialized Industries in Smart City, Smart Ocean, and Smart Factory
Super-Regional Committee (Busan / Ulsan / Gyeongnam)	<ul style="list-style-type: none"> - Identifying Collaborative Projects for the Busan-Ulsan-Gyeongnam Information Security Cluster - Developing Regional Integration Strategies and Business Models to Activate the Busan-Ulsan-Gyeongnam Information Security Industry



Regional Committee



Metropolitan Committee



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Specialist Training

Development of Cybersecurity Specialists

Securing cybersecurity capabilities for detecting, responding to, and preventing cyber threats in Southeast region industries, and training specialized professionals who can be immediately deployed to the regions densely concentrated industrial infrastructure

Training Program

Type	Employment Connection	Corporate Connection	University Connection	Consulting Experts
Target	Unemployed(Youth)	Employees of Local Companies	Graduate Students (Master's and PhD)	Employees in Related Fields
Contents	<ul style="list-style-type: none"> • Security Networks • Security Technology & Security Monitoring • Vulnerability Assessment Consulting 	<ul style="list-style-type: none"> • Ship Network Firewall • Smart Port Security Operations 	<ul style="list-style-type: none"> • Industry Demand-Based Security Training and Mentoring • Advanced Cryptography Security Education 	<ul style="list-style-type: none"> • Inspection of Key Security Facilities • System Vulnerability Assessment
Sessions	5	11	2	3
Trainees	100	190	40	30



Class Photo



Certification Ceremony

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Where we are



7th and 8th Floors, Centum Campus, Dongseo University, 55 Centumjungang-ro, Haeundae-gu, Busan, South Korea



By Subway

TAKE SUBWAY LINE 2 and get off at Centum City Station. Use Exit 6.
After exiting, walk approximately 9 minutes (565 meters) towards the cluster.



By Bus

- Bus Numbers : 181, 115, Haeundae 3-1, Haeundae 3-2.
- Get off at Centum City Station. Use Exit 2.
Walk approximately 1 minute (17 meters) to the bus platform.
- Get off at the Sicheongja Media Center / KNN Broadcast Station stop.
Walk approximately 4 minutes (198 meters)

INFORMATION SECURITY CLUSTER

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