

Company Profile

EMCT Co., Ltd.



Life-Saving Innovation, Emergency Mobile Control Tower

EMCT Co., Ltd. provides innovative services built on AI, IoT based monitoring technology

Company Name	EMCT Co., Ltd.	CEO	Bongho Lee
Business License Number	789-86-01940	Corporate Registration Number	160111-0581036
Established Year	15 th Feb. 2021	Number of Employee	18 (as of Mar. 2025)
Business details	Mobile Monitoring Service with Existing Facilities, Such as Fire Protection, CCTV, Elevator, Water Tank, Pump, Parking System, and etc.	Web site	https://bdapp.ai
Business Address	KR_HQ 712, 99, Daehak-ro, Yuseong-gu, Daejeon, Republic of Korea KR_R&D 1501, 25, Seonyu-ro 13-gil, Yeongdeungpo-gu, Seoul, Republic of Korea US_ HQ 8609 Westwood Center Dr, Tysons, VA 22182, USA US_Chicago 475 North Martingale Rd., Suite 710, Schaumburg, IL 60173, USA VN_HQ 3F, 39 Le Thach, Xom Chieu Ward, HCMC, Vietnam	Contact	TEL KR +82-1855-1317 US +1-202-770-1317 VN +84-866-555-114 Email marketing@emct.ai

■ Company history

- 2021.02 • Incorporation of emCT Co., Ltd.
- 05 • Establishment of an in-house corporate research institute (Registration No. 2021113082)
- 07 • Venture company certification (Registration No. 20210707030031)
- 08 • Launch of facility integrated remote control service BDApp
- 12 • Launch of BDPark - Smart Parking Control with existing equipment
- 2022.01 • Launch of BD'EL - Elevator Remote Control
- 07 • Obtained GS Certification Grade 1 - Facility Integrated Remote Control Service BDApp
- 08 • Selection as a Venture Start-up Innovation Procurement Item
- 09 • Recognition as a social venture company (Registration No. 2022-01-0590)
- 11 • Obtained GS Certification Grade 1 - Smart Parking Control Service BDPark Patent applications (2 cases)
- 12 • Selected as an Industrial Convergence Innovation Item (Ministry of Trade, Industry, and Energy)
- 2023.04 • Selected for the pilot purchase of technology development products
- 06 • Raised KRW 1 billion in seed investment from Korea Technology Finance Corporation
- 2024.01 • Acquisition of Firefighting Facilities and Information Communication Construction Licenses
 - Opening of the USA branch office at the Global Business Center in Chicago, Illinois
- 02 • Opening of the Vietnam branch office in Ho Chi Minh City, Vietnam
- 04 • Incorporation of EMCT Inc. in the USA with headquarters in Fairfax, Virginia
- 10 • Establishment of a corporation in Ho Chi Minh City, Vietnam

■ Award History

- 2022.10 • STARTUP ICON CHALLENGE Award for Excellent Startup Company
- 11 • ESG Startup Business Idea Contest Social Value Award
- 2023.06 • K-ICT Startup Mentoring Center DEMO DAY Grand Prize
- 07 • Social Venture IR Competition Grand Prize
- 10 • Social Venture Contest Global Category Grand Prize
- 11 • 2nd SV GROUND DEMODAY Grand Prize
- STARTUP INSIDE SHOWCASE Award for Excellent Startup Company
- K-ICT Startup Mentoring Center Outstanding Mentee Award
- 2024.11 • Startup Incubation Competition Grand Prize
- 12 • Best Small Business Product of the Year Award
- Recognized by the Minister of SMEs and Startups for Meritorious Venture Promotion
- Hannam University Outstanding Entrepreneur (Regional Specialization) Award
- 2025.01 • **CES 2025 Smart City Innovation Award**



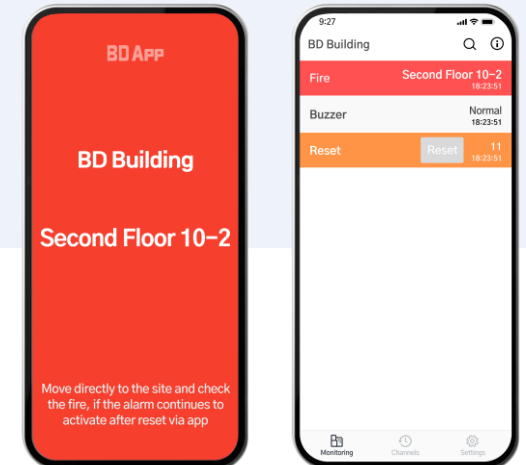
Mobile Facility Monitoring Service

Mobile Monitoring Service with Existing Facilities

Support Any Panel, Any Manufacturer, and Any Model

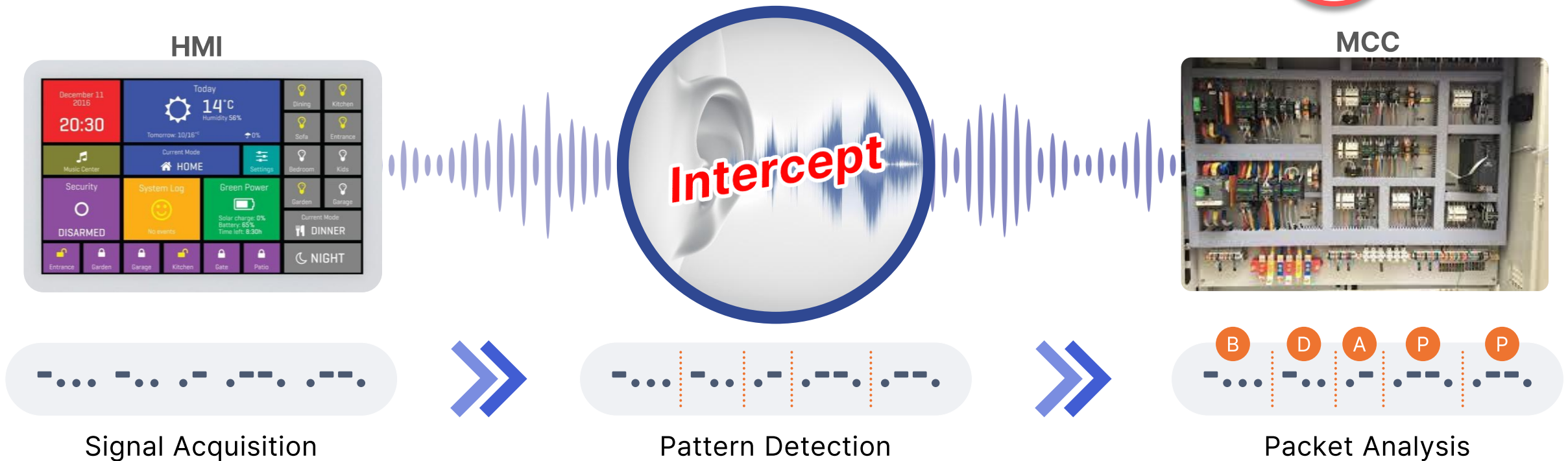
 Fire fighting remote control	 Monitoring water level of water tank	 CCTV system
 Remote monitoring of gas facility	 Elevator safety managing system	 Parking control system
 Mechanical facility vibrated monitoring	 Real-time indoor air quality monitoring	 Scrubber status monitoring
 Wastewater level monitoring	 Real-time monitoring of temperature and humidity	 Flowmeter remote monitoring
 Air conditioner energy saving system	 Solar panel energy managing system	 Remote monitoring of drain pump
 Facility power quantity real-time monitoring system	 Light facility energy saving system	 Low temperature warehouse energy saving system

- BDApp is an mobile facility monitoring service that makes building management easier and safer
- Allows for 24/7 remote monitoring and remote control, utilizing cutting-edge IoT, big data, and AI technologies
- Without the need to replace any existing equipment, it is a cost-effective and convenient solution for buildings of any size



Internal Communication Signal Analysis With AI Algorithms

Only
BDApp

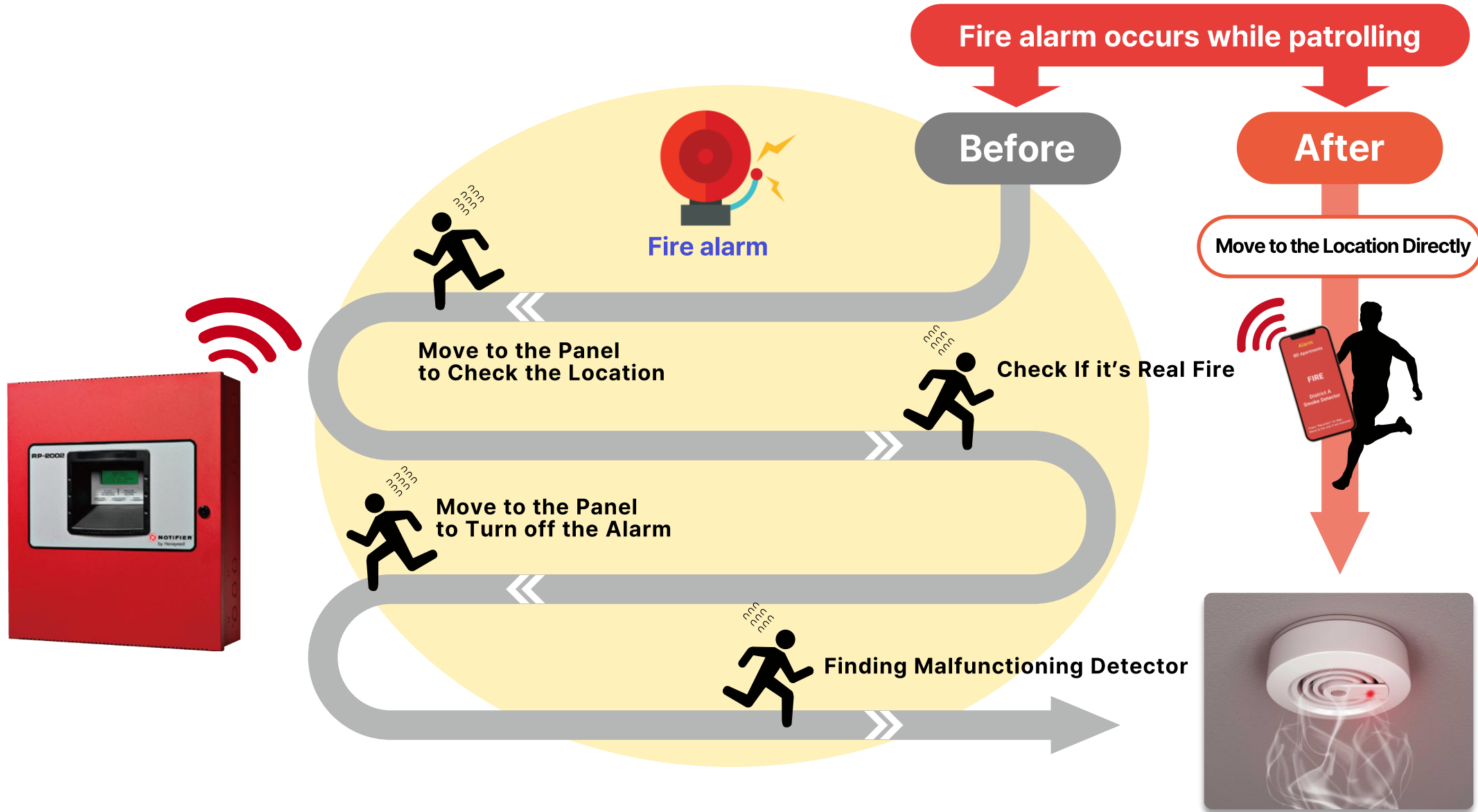


Our technology dramatically reduces analysis time by incorporating 20 years of facility-related S/W, H/W, and know-how into multiple algorithms

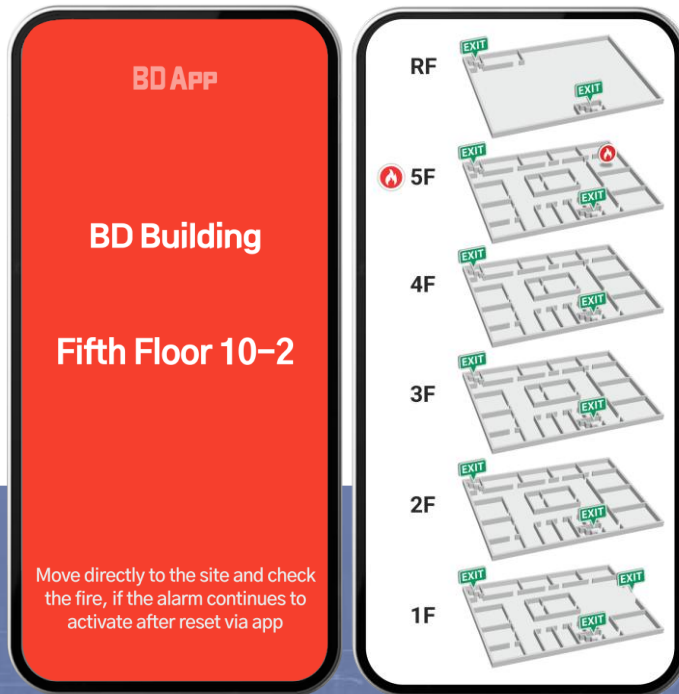
Analysis time for one facility: 4 months

→ 1 hour

* Estimated time to develop competitive technology: 5 years

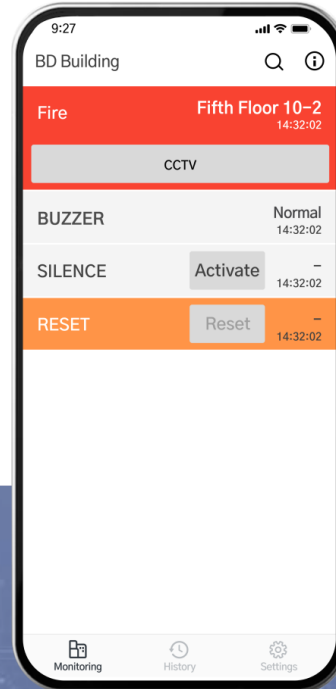


1 Remote monitoring



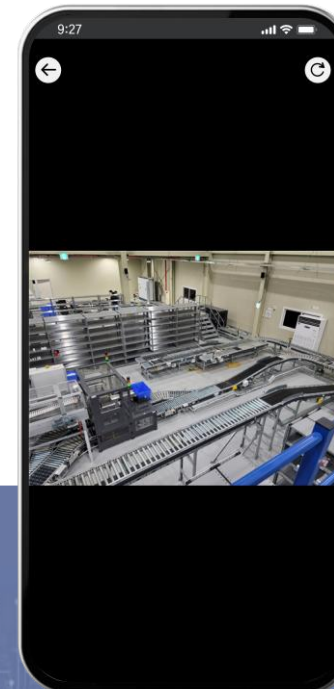
Mobile alert of fire location and activated equipment, 30 seconds before the building-wide fire alarm sounds

2 Fire alarm reset



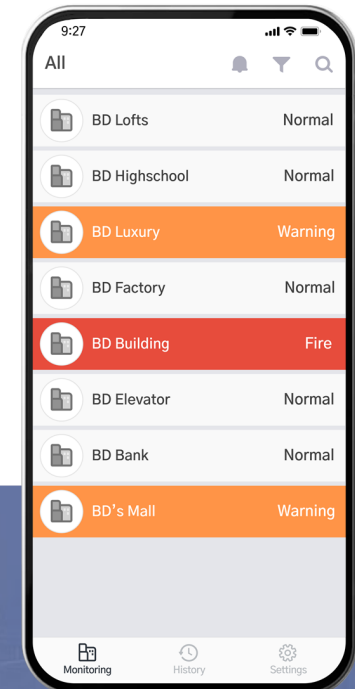
Immediately recover from a false fire alarm by resetting it remotely

3 CCTV integration



In the case of a real fire, check the location's CCTV camera and immediately respond to the fire situation

4 Multi building



Real-time monitoring and control by integrating the facility status of multiple buildings by a single manager

Current Status – Product Installation Status

Since 2021, Installed in 1000+ Buildings

Retention Rate
99%

Factory



Apartment



Hotel & Hospital



Office & Commercial



Sports Complex



Power Plant



Shipyards



Studio



School



Church



Installed in buildings in USA and Vietnam



POC: Forbes Business Park in Lanham, Maryland

Washington, D.C. – Operated by 3 Remote Managers vs. Real-Time Management of 17 Buildings



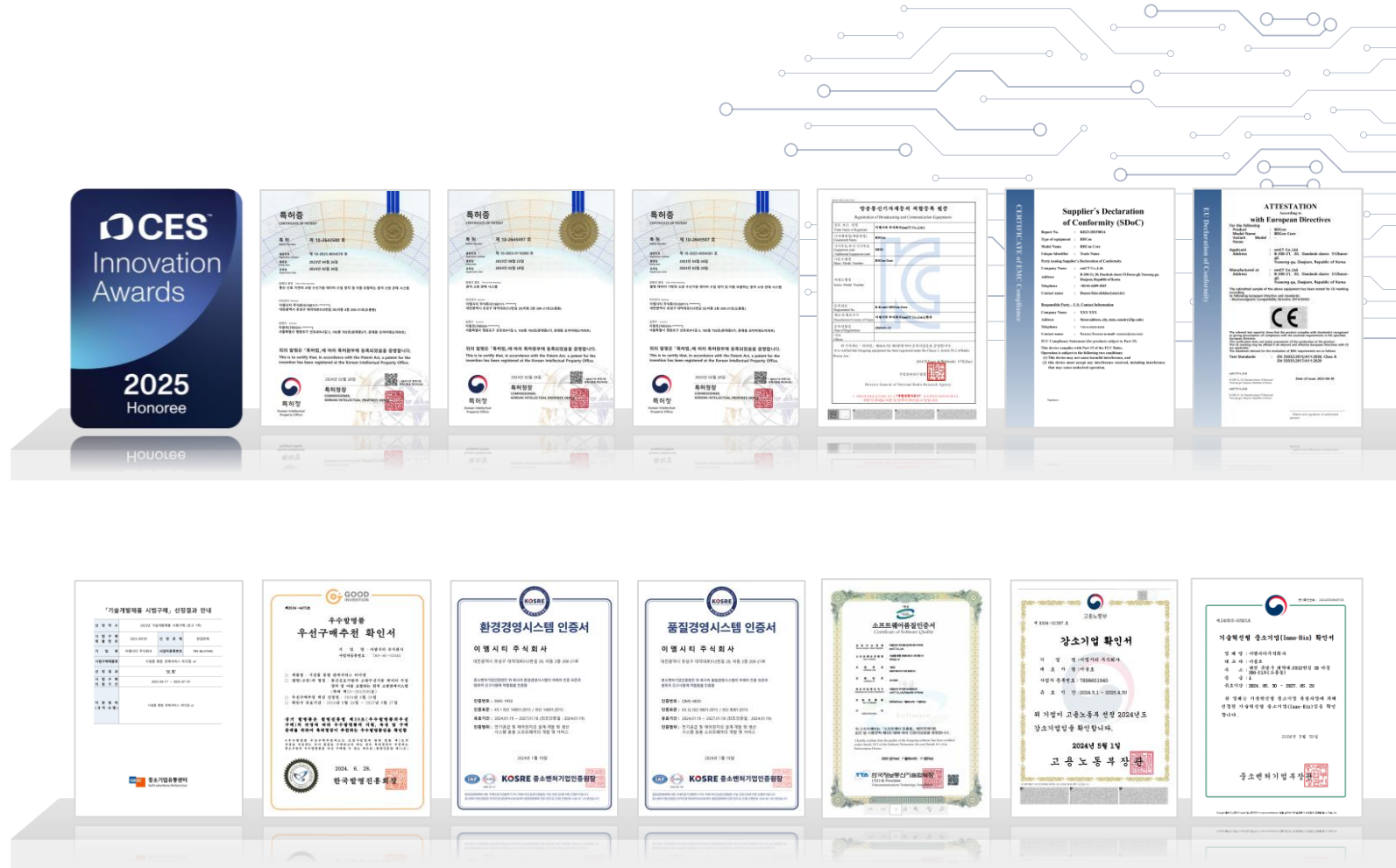
Fire Safe Zone : CES 2025 Innovation Awards



Vietnam University of Economics

Patents, Certificates, and CES2025 Innovation Award

- Holds 13 intellectual property rights, including patents
- Won the ESG Social Venture Global Award
- Selected for pilot purchase of technology development products
- Recommended for priority purchase of excellent inventions
- Obtained KC-FCC-CE certifications
- Secured GS1 classification for procurement contracts
- Social Venture/Small but strong/INNOBIZ Company



100% Ownership of Remote Control Technology



Software



Hardware



Mechanical design



AI

Continuous R&D investment based on workforce expertise

CEO with both SW and
HW expertise

Bongho Lee CEO

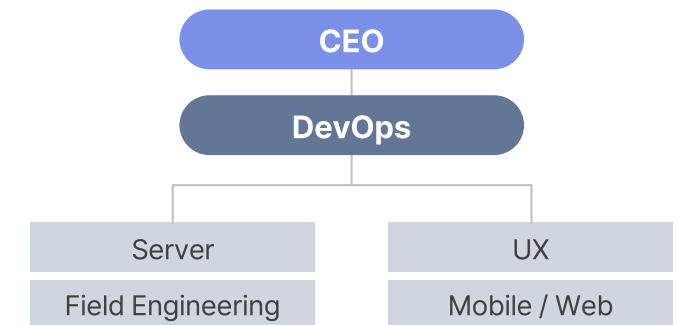
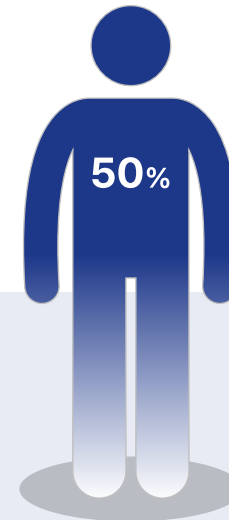
**BS in Mechanical and Aeronautical
Engineering, Seoul National University**

20 years of experience in developing various facility
monitoring systems for large corporations such as
Samsung and Hyundai

- Development of Integrated Facility Monitoring for Hyundai Motor Company
- Samsung Semiconductor Monitoring System Development

More than 50% of total workforce in R&D

Development
Staff



**Invested more than 170% of
baseline annual revenue in R&D**

At the heart of emCT lies a deep pride:
**The more people use BDApp,
the more lives we can save.**

After installing BDApp, all fire facilities are back to normal...
Real-time alerts went to 4 workers as the fire broke out, and we watched
the fire spread right through the app, all thanks to BDApp.

[Head of building management at Lotte Cinema in Incheon]



Kyunghyang Newspaper 2023.04.13

Incheon Lotte Cinema building fire extinguished...

"No loss of life"

The fire was extinguished 2 hours and 40 minutes after it started,
and **all visitors and employees were safely evacuated.**



Life-Saving Innovation

emcT

Control Tower

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