

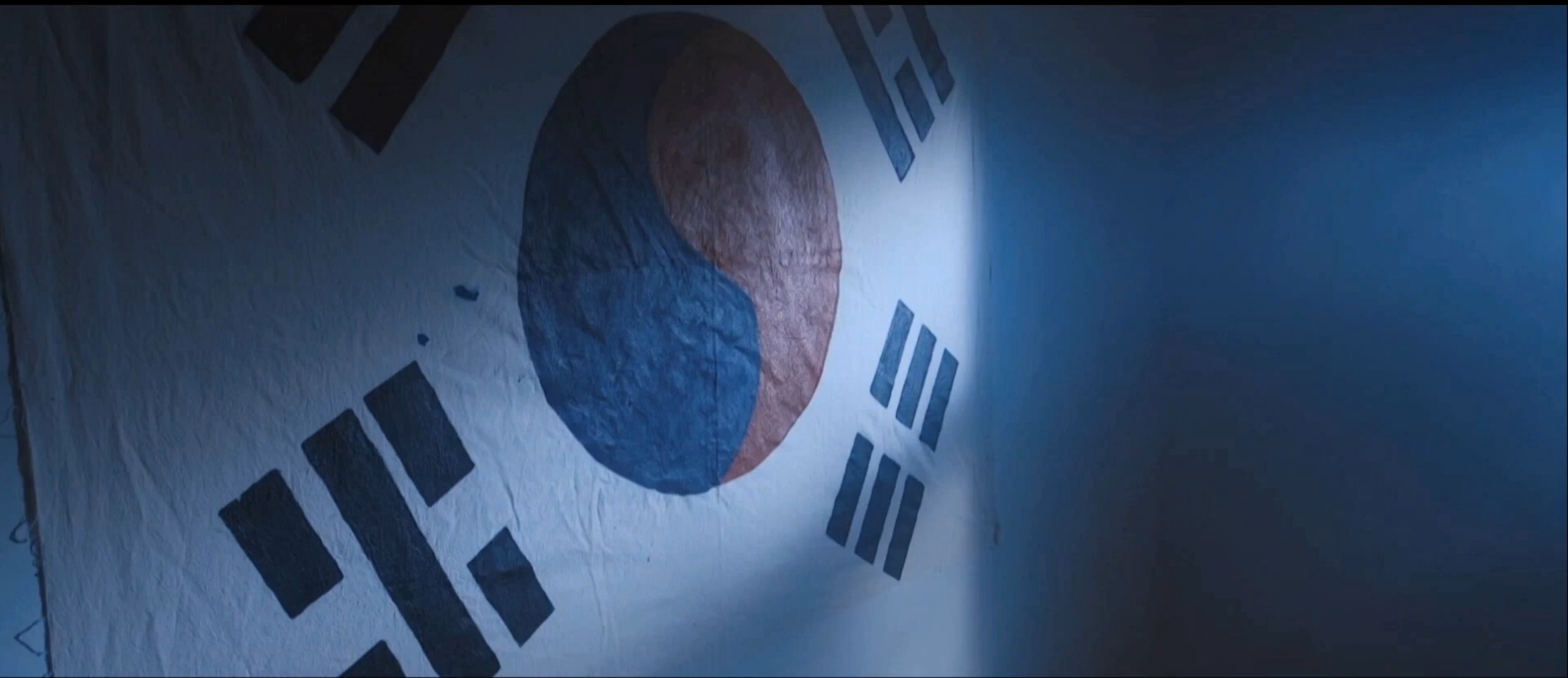
Development of Korean Electronic Monitoring System



Ministry of Justice

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I Overview of Electronic Monitoring(EM)



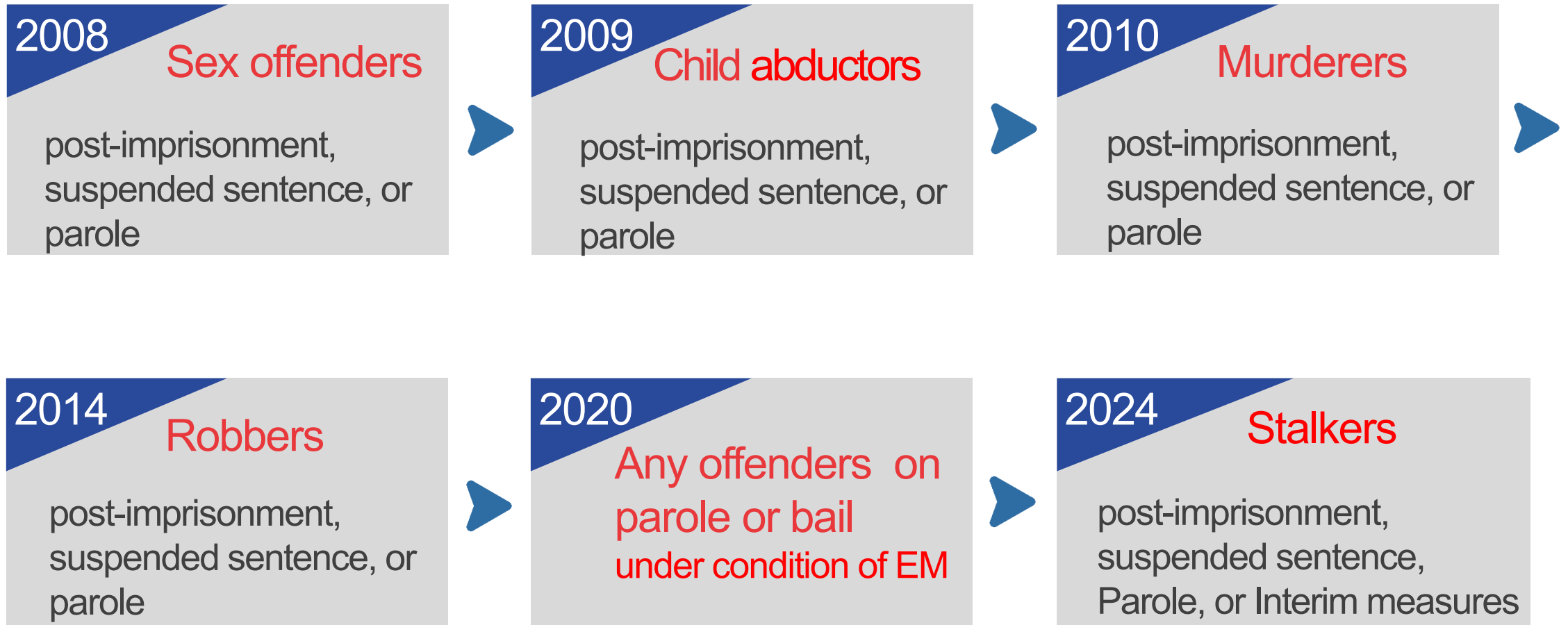
1 Definition of the Korean Electronic Monitoring Supervision

- ✓ Electronic Monitoring supervision (EM) is a **24/7 intensive supervision program** that effectively reduces recidivism by allowing probation officers to identify and track the location of **high-risk offenders and those released on parole** who are subject to EM order, using GPS electronic devices

Background

Due to the rise of sex crimes as a **serious social problem**, EM was introduced as a **drastic measure to prevent sexual violence crimes and reduce the fear around crime**

2 Development of the Korean EM



3 Features of the Korean EM

- ✓ **State-of-the-art criminal justice system** that protects people from felony crimes, showing effectiveness in reducing recidivism
- ✓ **Probation officers play a key role** in providing a combined intervention approach with intensive supervision, professional psychotherapy programs, rehabilitation support, and more
- ✓ **All projects** related to EM system **are carried out directly by the government**

II Organization





Ministry of Justice
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Crime Prevention
Policy Bureau

Electronic
Supervision
Division



Electronic Monitoring Center(2)
Monitoring Staff

- Central EM Center
- Daejeon EM Center

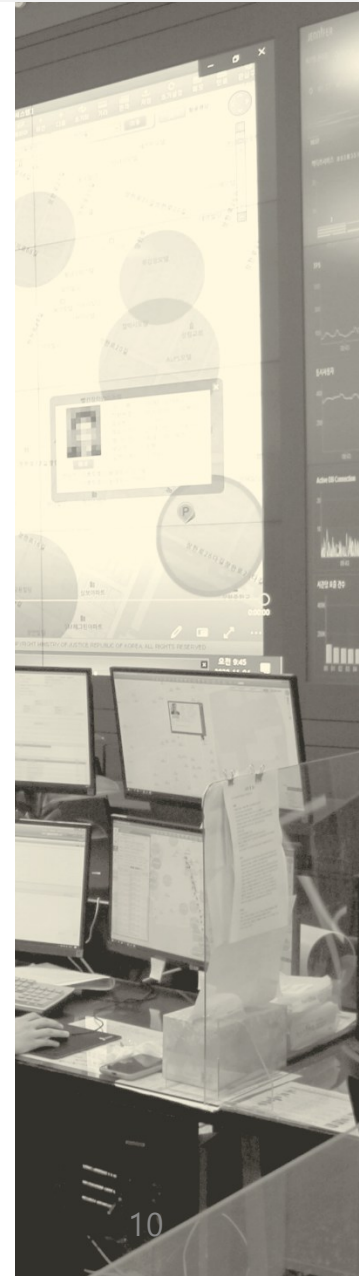


Probation Office(58)
EM Probation Officers , SIES

- 18 Main Probation Offices
- 40 Probation Branch Offices

1 Electronic Monitoring Center (EMC)

- ✓ Detecting offender's location and movement tracks
- ✓ Initially responding to the alarm notification and alerting probation officer of alarm if necessary
- ✓ Developing and managing the devices and monitoring operation system in collaboration with private sector
- ✓ Processing, storing, and disposing of collected data



2 Probation office

- ✓ **Probation officers** supervising offenders 24/7
- ✓ **Special Investigation unit of EM Supervision(SIES)** investigating any violations of duties and obligations



3 Target offenders of EM (1)

Type 1 Court sentence

- ✓ EM order is applicable to offenders under post-imprisonment (up to 30yrs.), or suspended sentence (1~5yrs.)
 - Target : high-risk crimes such as sex crimes, abductions of a minor, murders, robberies, stalkers
- ✓ Condition of Bail (period of bail)
 - Target : any crime

Type 2 Administrative decision

- ✓ Condition of parole (period of parole)
 - Target : any crime

3 Target offenders of EM (2)

- ✓ Current number of Cases (By types of disposition, Dec. 2025)

Total	Post-Imprisonment	Parole	Suspended Sentence	Bail	Interim measures
4,827 (100%)	2,719 (56.3%)	1,505 (31.2%)	11 (0.2%)	489 (10.1%)	103 (2.1%)

- ✓ Current number of Cases (By types of offence, Dec. 2025)

Sex crime	Murder	Robbery	Abduction	Stalking	Others
2,576 (53.4%)	541 (11.2%)	119 (2.5%)	5 (0.1%)	9 (0.2%)	1,577 (32.7%)

III Technologies and Procedures



1 EM devices : Enhancing damage-resistant functions (1)

Standard anklet type

Electronic Monitoring Anklet



- Enhanced location detecting : GNSS (GPS, GLONASS), Wi-Fi
- 4G(LTE)
- 180g
- Device damaging detection, Fully waterproofed
- Smaller and lighter device for daily use
- **Electronic attachment & release mechanisms**
- Durable strap to prevent tampering and provide stability

Home Monitoring Unit



- Able to surveil the offender's location at home

Charging Pack



- High-capacity battery wirelessly charging the electronic anklet

1 EM devices : Enhancing damage-resistant functions (2)

Intensified anklet type (for high-risk offenders)



- ✓ Target : re-offenders or violators of duties and obligations
- ✓ Designed to resist any attempt of **illegal detachment** for more than 20 minutes

1 EM devices : Enhancing damage-resistant functions (3)

Smart watch type (for bail)

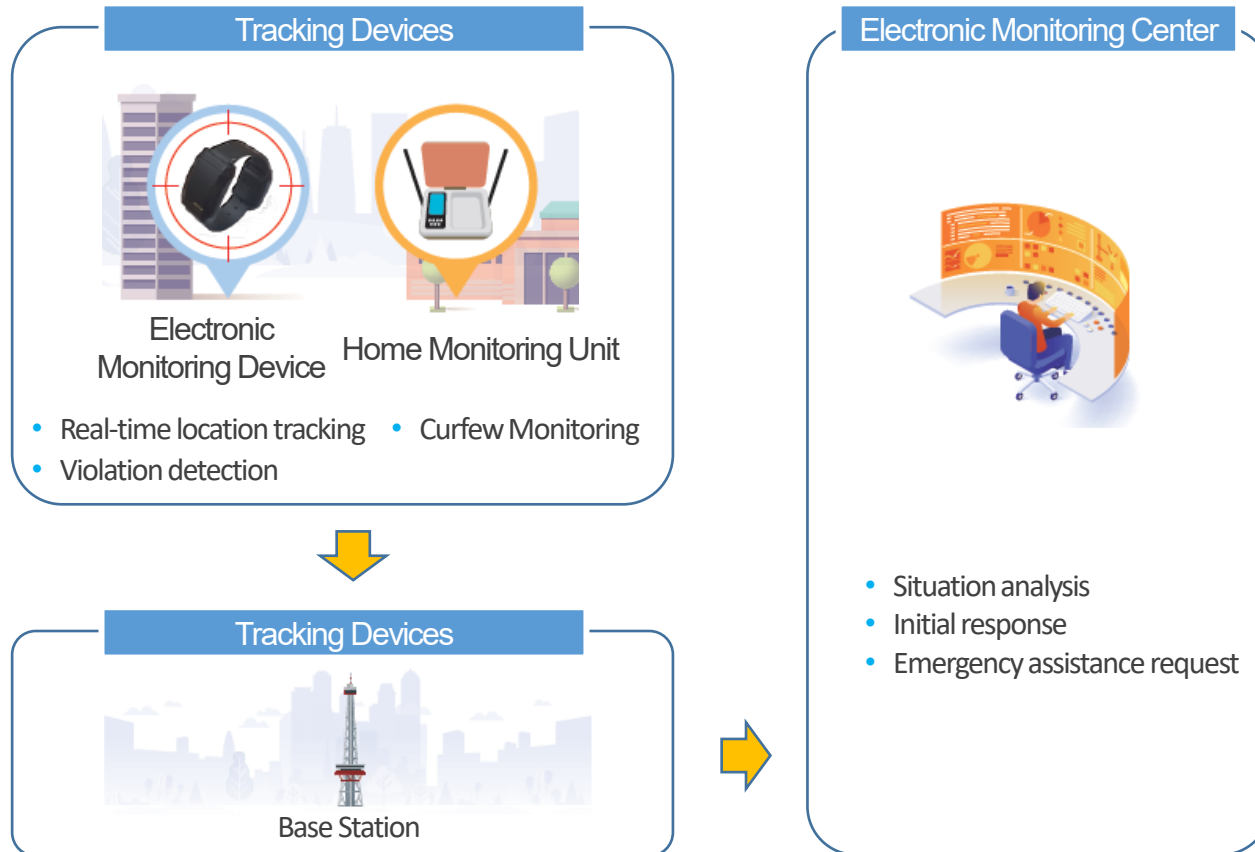


- ✓ 4G (LTE)
- ✓ Tampering detection
- ✓ GNSS (GPS, GLONASS), Wi-Fi
- ✓ Fully waterproofed
- ✓ Lightweight design at 90g for daily comfort and convenience

2 Tracking Procedures



The location of offenders is determined by signals transmitted from **GPS satellites** via a mobile communications network to the monitoring center



❖ EM Staff



- In person supervision and on-site visits
- Monitoring of compliance and revocation of probation

❖ Special Investigation unit of EM Supervision (SIES)



- Immediate response to alerts from high-risk offenders
- Conducting and investigation of a violator of conditions such as device tampering

Probation Office



- Being called in upon serious violations (device tampering) and arresting the violator through cooperation with the probation office

Police

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3 Monitoring Operation System

- ✓ Detecting offender's location and movement tracks
- ✓ Notifying **offender's violations** such as tampering device, stayaway to specific area, curfew, and restraining against victims, and etc.
- ✓ Offering **customized information** if probation officer requests the specific data of offender such as staying in a bar or deviation from normal movement patterns, and etc.

4 Cooperation System with Local Surveillance Center

- ✓ Electronic Monitoring Center (EMC) collaborates with local government surveillance camera control centers to detect violations of the obligations, such as device tampering or entry to restricted areas, in real-time
- ✓ This allows for prompt response and helps prevent reoffendings, ensuring the safety of citizens

Before

- Required to visit CCTV center in case of violations
- Time consuming to acquire videos, resulting in delayed response



After

- Direct CCTV monitoring
- Accurate situation analysis, resulting in prompt action against violations

5 System of Ubiquitous Protection for Victims of Crime

- ✓ Anytime-anywhere protection system
- ✓ The system enhances the current victim protection system by sending an immediate alert if an offender under a restraining order approaches beyond the specific distance

* A protection device (smart watch or app) is provided to victims to protect them from secondary victimization



Before

Alert goes off if the offender is within 100m of the victim's residence



After

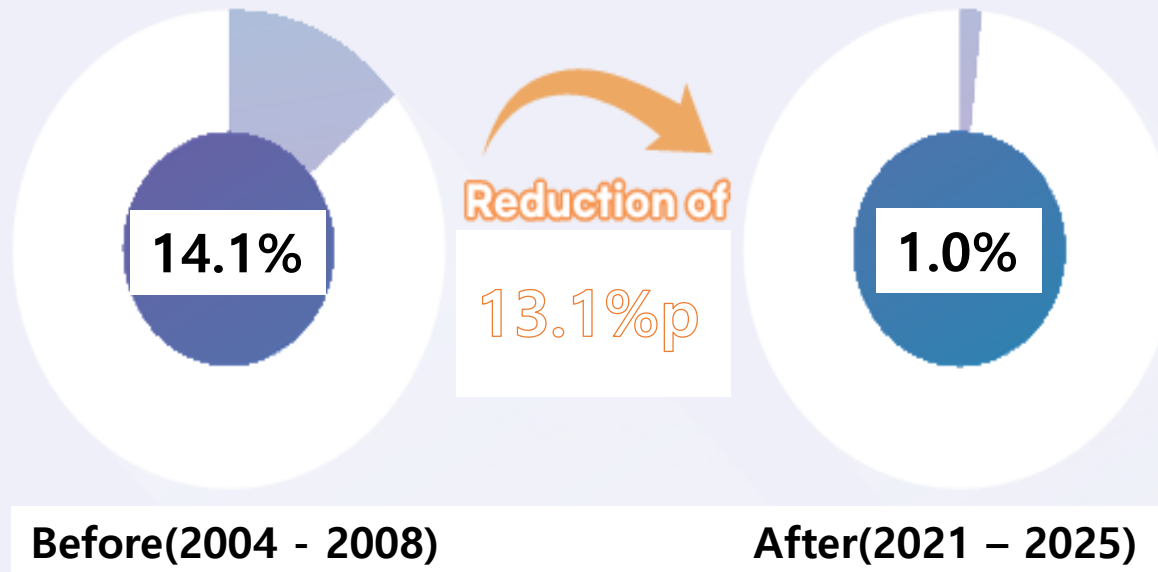
Alert goes off if the offender is within 1km of the victim anywhere

IV Benefits of EM



Remarkable Reduction in Recidivism

- ✓ Since introduction of EM, the recidivism rate of sex offenders has decreased by 13.1%p



Reduction in Prison overcrowding and Costs

- ✓ EM helps alleviate concerns related to prison overcrowding and the cost of incarceration

Useful Resources for Investigation and Trial

- ✓ EM provides precise and timely location data of offenders, which is used in criminal investigations, prosecutions, and trials



Q & A

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