

# Smart City Integrated Platform

The smart city integrated platform is a monitoring and operational support technology that can integrate and control various incidents and accident information occurring in the city with CCTV footage.

The smart city-integrated platform is a key smart city solution that increases the efficiency of urban control systems through linkage, integration, and interoperability of different information systems and supports a joint response system of local governments, police, and fire departments in the event of incidents and accidents within the city.



▲The smart city integrated platform shows the incident location, incident information, and CCTV images all at once.

## Issues to Tackle

- ☑ CCTV control systems for different purposes, such as crime prevention, disaster, and traffic, are operated separately, reducing efficiency.
- ☑ A standardized monitoring system is needed to quickly detect various incidents and accidents occurring in the field and respond to them in cooperation with relevant agencies.

## Expected Benefits

- ☑ By linking and integrating CCTV for each purpose with incident information, the efficiency of urban control is improved through unified monitoring on a single screen.
- ☑ Securing a joint response system among local governments, police, and fire departments in the event of incidents or accidents such as disasters, fires, and crimes in the city.

## 💡 Key Services

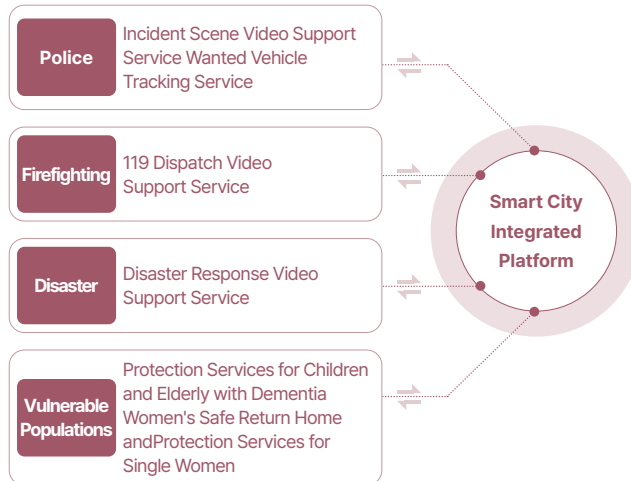
- Providing a variety of information of the following categories on a single screen.
  - Safety: emergency bells, police reports, safety guidance for the socially disadvantaged, etc.
  - Disaster Prevention: emergency reports, rescue, fire, typhoon, flood, etc.
  - Traffic: traffic accidents, road control, traffic congestion, etc.
  - Environment: environmental data, air pollution, water pollution, etc.
  - Infrastructure: CCTV status (normal or broken), facility status (failure, damage), etc.
- In the event of an emergency, the platform is linked with relevant agencies such as the police and fire departments dispatched to the scene, providing real-time information on the incident location and live CCTV footage to support joint response efforts.

## ⚙️ Use Cases

- In April 2016, Daejeon Metropolitan City emergency services using the smart city integrated platform, resulting in a 6% decrease in the crime rate and a 15% increase in the arrival time of fire trucks within 7 minutes.
- As of September 2024, 233 local governments across the country are using the smart city integration platform.
- The Korean government (MOLIT) supported the introduction of the smart city integrated platform in cities such as Gaziantep (Türkiye) in 2021, Mukdahan (Thailand) in 2022, and Rangpur (Bangladesh) in 2023 through the global cooperation program (K-City Network).

## Key Components

### Configuration



### Technology

#### 1. Integrated control system

- Configure monitoring situations and display real-time events.
- Main functions such as monitoring and reporting, and support functions like address search and distance measurement.

#### 2. Integrated linkage system

- Cooperation between related agencies and information exchange configuration and management function between internal systems.

#### 3. Integrated operation functions

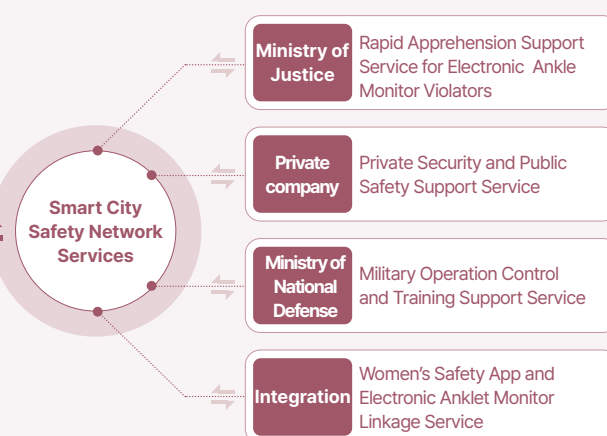
- Common code management for linking with external systems.

**POINT** Expansion of the national safety net, providing situational video support, child and elderly dementia protection, wanted vehicle search support, and private security.

#### 4. Provision of external information

- Provision of architectural drawings for on-site dispatch in case of an emergency.

### (Platform expansion) Smart City Safety Net



· The Smart City Safety Net is an expanded connection between national safety-related agencies such as the police, fire situation room, and disaster safety situation room.

- On-site CCTV video support, wanted vehicle searches, searches for children and elderly individuals with dementia, and support for safe return home SOS applicants, etc.



#### Utilization of safe return home service

The 'Safe Return Home Service' allows citizens to request monitoring through a smartphone app. The service tracks them using nearby CCTV footage until they reach their destination.



## Technology Companies

**DANUSYS**  
www.danusys.com

**GEOMEXSOF**  
www.geomex.co.kr

**KT**  
www.kt.com

**LG CNS**  
www.lgcns.com

**METABUILD**  
www.metabuild.co.kr

**SMART CITY ASSOCIATION**  
www.smartcity.or.kr

