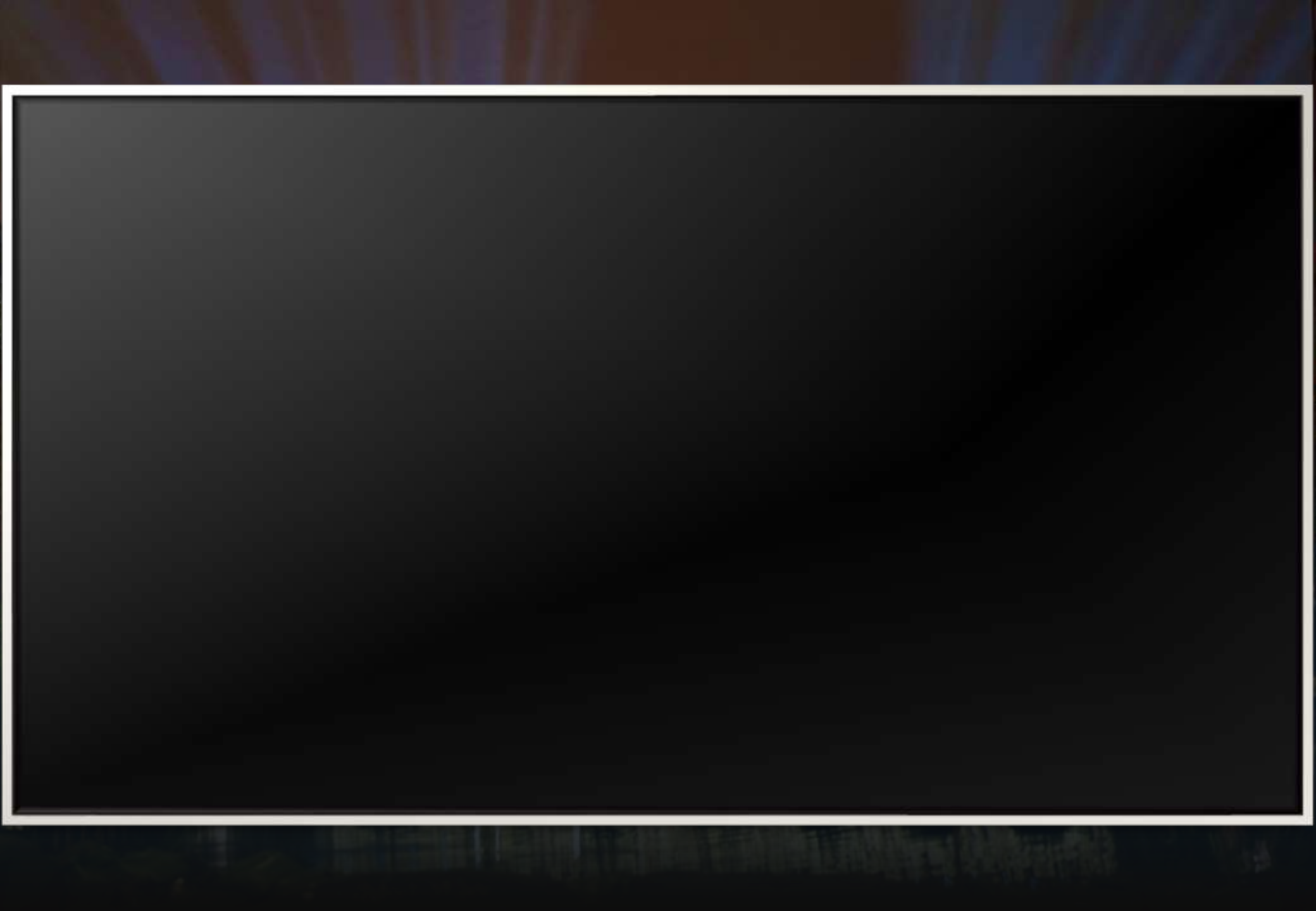


ITS AP Forum 2025

Suwon City





ITS AP Forum 2025

Conditions for Success



SUWON
ITS ASIA PACIFIC FORUM 2025

Accessibility of
relevant
industries



Technology
and
expertise



Attractive
host



Committed
local
government



75% in Metropolitan Area



SUWON
ITS ASIA PACIFIC FOURM 2025



KRW 63.2 billion over 25 years



SUWON
ITS ASIA PACIFIC FOURM 2025



Technology, Expertise



SUWON

ITS ASIA PACIFIC FOURM 2025

2020 적극행정👍 우수사례 경진대회

대 상



Cutting-edge Facilities for Global Conferences



SUWON
ITS ASIA PACIFIC FOURM 2025



KRW 1.2 billion

(KRW1 billion funded by the local government,
with 200 million coming from Suwon Convention Center)



SUWON

ITS ASIA PACIFIC FOURM 2025



Successful Hosting of ITS AP Forum 2025

Prepared City



수원시
SUWON CITY



ITS AP
Forum
2025
Hosted in
Suwon

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I . Suwon City Introduction

II . ITS Implementation Status

III . ITS AP Forum Preparation

Suwon City Introduction



Suwon City Overview

January 13, 2022

Establishment
of Suwon City

Size

121km²

Population

1.25 million
(As of Jan. 17, 2023)

Administrative division

44 administrative
divisions (dong)



A city where traditions and future co-exist

Joseon Dynasty's
first planned city built
together by the King
and its people

Planned City

Home to UNESCO
World Heritage site

City Steeped in History

Hosting several,
major industrial
bases of Korea

High-tech City

First local
government to field
teams in all 4 major
sports leagues, with
6 professional teams

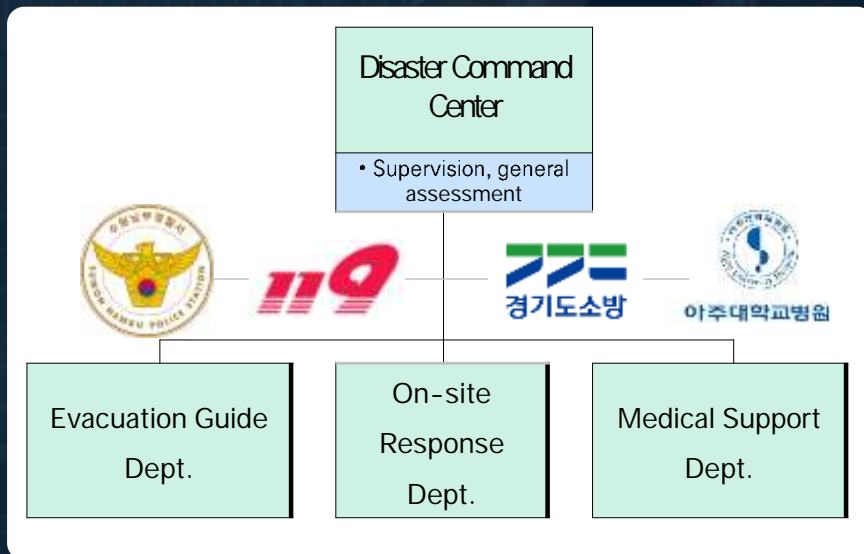
City of Sports



Safe City Suwon

- In cooperation with local safety-related institutions
Permanent crisis response system for public facilities in place
 (Applied the Ministry of Interior and Safety's "Local Festival Safety Management Manual")
- Formed and operate a dedicated department for comprehensive disaster & safety management, and self-defense unit
 ▲Command Center+Partnering business+Fire Dept.+Police Station+Medical institution ▲
 Quarterly anti-terrorism / fire drills
- Recorded '1st Grade in Local Safety Index for Traffic Accidents' for 8 years in a row
 (Announced by the Ministry of Interior and Safety, 2015-2022)
- Launched "Saebit Safety Scout" consisting of citizens and public officers
 ▲ Monitor risks 24/7 ▲ Report accidents & disasters ▲ Respond to emergencies
Declared "Three S (Safe, Secure, Stable) Suwon"

(Suwon City, Suwon Nambu & Jungbu & Seobu Provincial Polices, Suwon Fire Station)



International Tourist Destination Suwon

Successful hosting of global events
Global City

+

Gyeonggi Province's major city for
Tourism, Culture, Festival

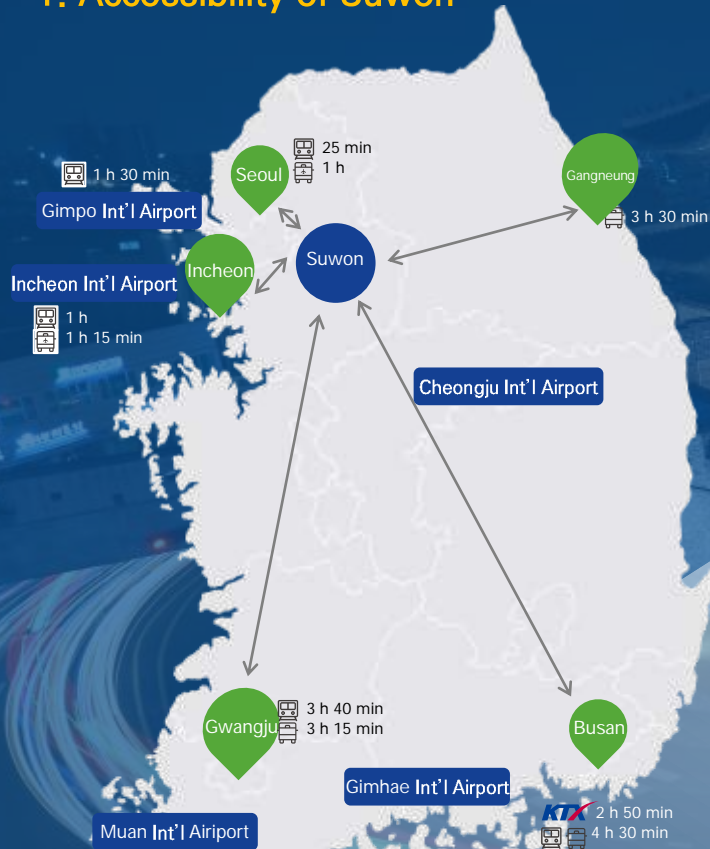


- '50 Beautiful Places to Visit in Korea' (CNN, 2021)
(Ministry of Culture, Sports and Tourism, Korea Tourism Organization, 2021)
- Honored as 'Star of Korean Tourism that shines the country's tourism'
(Ministry of Culture, Sports and Tourism, 2011, 2021)
- 'Korea's Best Tourist Attraction', '100 Must-Visit Tourist Spots in Korea'
(Ministry of Culture, Sports and Tourism, 2011, 2021)
- Korea's major cultural, tourism festival 'Suwon Hwaseong Cultural Festival'
(Ministry of Culture, Sports and Tourism, 2020-2022)



Transport Accessibility

1. Accessibility of Suwon



2. Accessibility of Suwon Convention Center



A new concept of mobility services, operating routes and stops on-demand. The service was introduced in November 2022 in Gwanggyo New Town as a pilot service and is in operation.

* DRT (Demand Responsive Transport) Mobility

ITS Implementation Status



'Korea's First ITS' to be financed by local government budget

ITS Implementation Status

Total Budget

63,239



Million won



'Implementation' of Suwon ITS

1st phase (1997-2001)



2nd phase (2002-2005)



3rd phase (2006-2007)

Total Budget

7,828 million won

Build Signal Control System

Construct Traffic Information Center

Total Budget

20,929 million won

Implement Traffic Information System

Expand Signal Control System

Total Budget

9,995 million won

Expand Bus Information System

Supplement Traffic Information System



'Expansion' with cutting-edge Technology

1st phase (2008-2017)

2nd phase (2018-2023)

Total Budget
14,547 million won

Implement Urban Traffic Information System

Expand Bus Information System

ATMS Implementation Project

Expand Signal Control System



2018
「Suwon's Master Plan for Intelligent Transport System (ITS)」

Total Budget
9,940 million won

Smart Intersection

Expand Bus Information System



'Korea's First', yet again

Smart Emergency Vehicle Preemption System

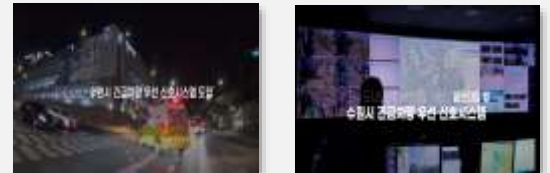
Reduce travel time of emergency vehicles (56.32%)
Prevent traffic accidents + Secure golden time



Secure safety for emergency vehicles
Protect lives and property



Priority Signal for Emergency Vehicles



- Korea's first introduction of a priority signal system for emergency vehicles
- Reduce the risk of accidents of emergency vehicles due to traffic congestion, thereby protecting both citizens and first responders



ITS AP Forum Preparation



ITS AP Forum Outline

Forum Overview



- Title** ITS Asia-Pacific Forum 2025 in Suwon
- Host** Ministry of Land, Infrastructure, and Transport, [Suwon City](#)
- Organizer** ITS AP Forum Organizing Committee, ITS Korea
- Proposed Period** [May 12-14, 2025 \(Mon-Wed\)](#)
- Proposed Venue** [Suwon Convention Center](#)
- Participation** Approx. 2,500 from 20 countries, 50 institutions, 130 business booths

Time	D-1	Day 1	Day 2	Day 3
08:00		Registration	Registration	Registration
09:00 - 10:30		Opening Plenary Session # I	Plenary Session # II	Session
11:00 - 12:30		Session	Session	Session
12:30 - 14:00		Lunch	Lunch	Lunch
14:00 - 15:30		Session	Session	Closing
16:00 - 17:30		Session	Session	
19:00 - 21:00	Eve Festival + Welcoming Dinner	VIP Dinner	Gala Dinner	

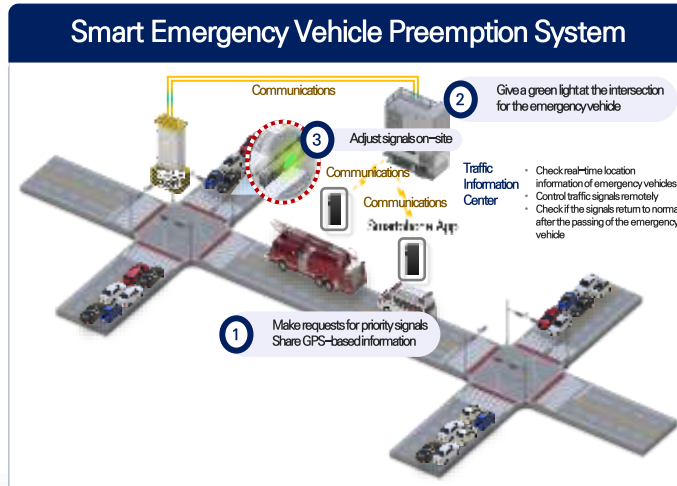
※ The agenda is subject to change.

2024 Implementation Plan

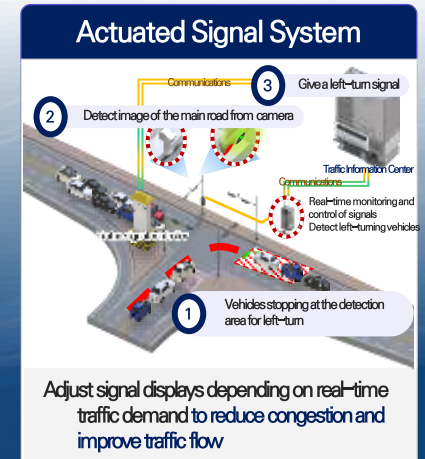
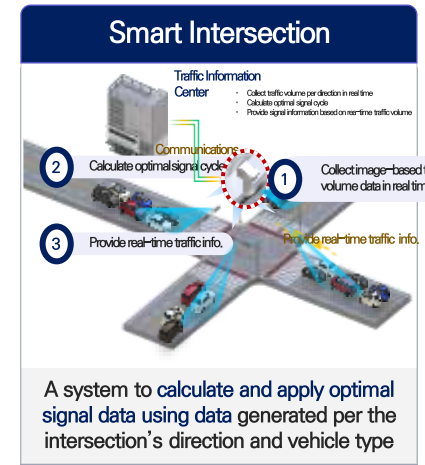
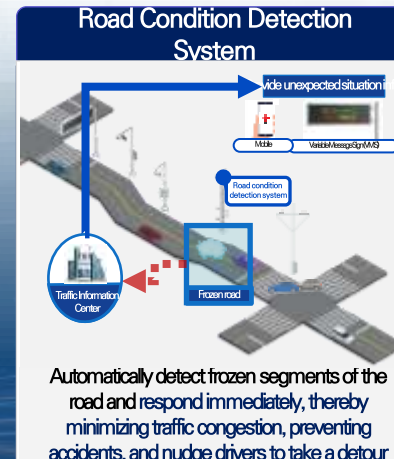
Better services for safety & convenience



- Project Period
Jan. 2024 – May. 2025 (17 months)
– 12 months for implementation
– 5 months for pilot operation
- Total Budget
KRW 25 billion
- Project Scope
Main arterial roads of 35km in total



A system to provide a priority green light at an intersection for emergency vehicles for swift response to disasters



2024 Implementation Plan

NEW!

Phased preparation for next-gen technologies

DRT, MaaS



Introduce MaaS System to provide Demand Responsive Transport (DRT) and give instructions on means of transport



C-ITS Services



Utilize V2X communications to share information and set the stage for cooperative automated driving



2024 Implementation Plan

NEW!

Center Operation System

3D Visualization (Digital Twin)



Build Traffic Signal Simulation enabled by a digital twin



Automated Driving Control



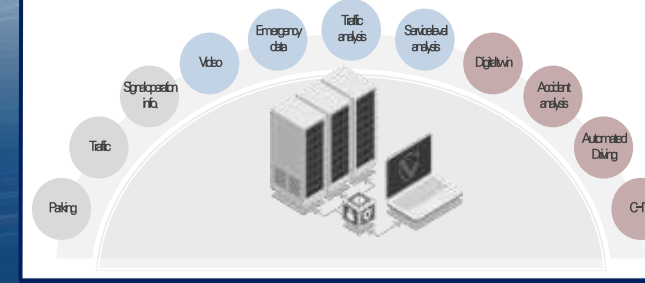
Create a control system to monitor automated driving and DRT



Big Data Technology



Share data created through big data analysis



Technical Tour

Urban Safety Integrated Center



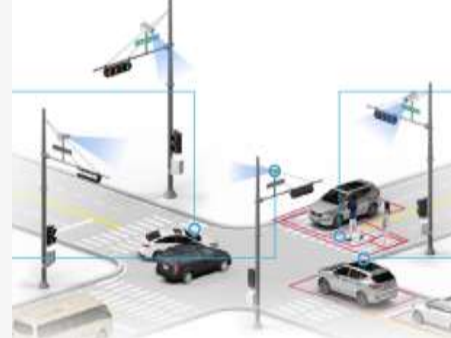
- Visit the Integrated Center equipped with a traffic information system and an integrated platform for a smart city and CCTV
- Tour the center as well as a digital twin displayed in the exhibition, including signal control, traffic information, and a bus information system
- Tour of an integrated CCTV control system
- Tour of displays for smart city implementation status

Smart Emergency Vehicle Preemption System



- Tour of Smart Emergency Vehicle Preemption System (Korea's first such system)
- Secure the golden time to save patients in emergency
- 56.32% reduction in travel time for emergency vehicles, zero accidents involving emergency vehicles
- Cost-savings through center-directed approach
- Won 2020 President's Award for Proactive Administration

AI-enabled Signal Operation



- Collect image-based traffic information (traffic volume, vehicle type, unexpected situation) using AI
- Monitor unexpected situations through road surface detection
- Control signals by generating optimized TOD

Automated Driving Control



- Tour of an integrated system for the operation, monitoring, and control of automated driving vehicles
- Improved operation environments by utilizing traffic and road conditions, and driving patterns, as well as predicting road situations

Technical Demonstration



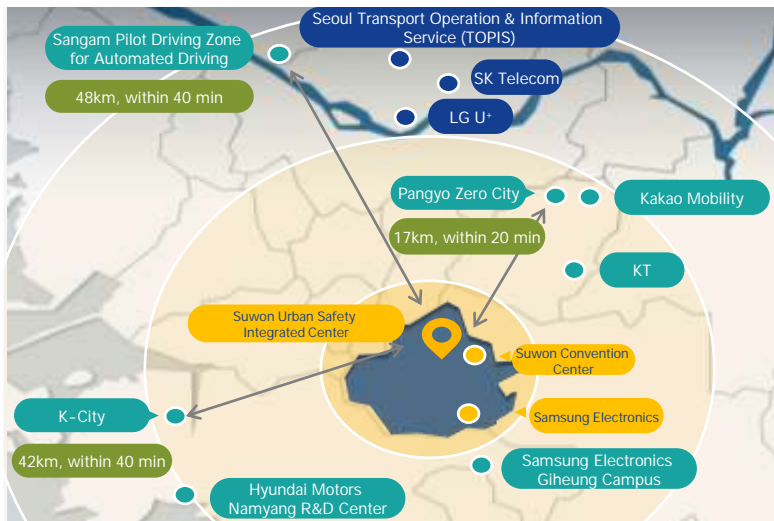
[Hwaseong K-City]
Automated Driving Testing City



[Pangyo Zero City]
Automated Driving Routes



[Sangam Pilot Driving Zone for
Automated Driving]



Build a cooperative body for demonstration of **Korea's** prominent ITS institutions in private & public sectors

Demonstrations at a pilot district for automated driving in **Suwon's** adjacent cities (K-City, etc.)

Provide broad automated driving experiences

Modern Facilities for International Conferences

Suwon
Convention Center

Courtyard by Marriot Suwon

Galleria Department Store
Gwanggyo

Hanwha Aqua Planet
Gwanggyo

#B2-5F #ExhibitionHall #ConventionHall #EventHall
#ConferenceRooms (28) #Parking(1,099 slots)

Everything from MICE and accommodations to shopping areas and tourist spots in a 5-minute walking distance

One-Stop MICE Complex

Facility Overview

3F Convention Hall (3,000 seats, divisible into 3 areas), Meeting Room



[Convention Hall]



[301+302, 304-306]



[3F VIP Room]



[3F Lobby]

2F Meeting Room



[201]



[202-207]



[2F VIP Room]



[2F Lobby]

1F Exhibition Hall, 1-4F Meeting Room (28 mid or small size rooms in total)



[Exhibition Hall]



[101-107, 401-408]



[5F VIP Dining Room]



[B1 Event Hall]



Thank You