Smart City Tour Program

01 Smart City Tour Program

Smart City Tour Program

Goal To promote Korean Smart City cases and current status, and to share the information and expand the opportunities to solve the urban problems

Contents Experience the various technologies and smart services of Korea

Provide the customized program such as city operation, smart environment, smart transportation, smart energy, ICT solution, and smart farm

Characteristics Introduce the smart city policy of Korea and provide the guided tour

Organizations

MOLIT
Ministry of Land, Infrastructure and Transport(MOLIT) is a central administrative agency in charge of national land policies and transport policies of Korea which is also in charge of smart city policies
Website: http://www.molit.go.kr

Smart City Association
Smart City Association is a statutory organization of MOLIT established to develop the city and improve the quality of life by promoting the smart city settlement and expansion through mutual exchange of technology, information and knowledge related to smart city
Website: http://smartcity.or.kr

Smart City Promotion Center
Smart City Promotion Center is established to comprehensively support the development of smart city industry through educational program, tour program, smart city promotion and more
Contact: +82-2-3667-5005
Email: tour@smartcity.or.kr
Website: https://tour.smartcity.or.kr

02 Smart City Tour Sites

City Operation | 9 sites

Anyang Smart City Integrated Center

Daegu Suseong Alpha City Smart City Platform Center

Daejeon Smart City Integrated Center

Goyang Citizen Safety Center

* IFEZ Smart City Integrated Operation Center

Naju Smart City Integrated Operation Center

Osan Smart City Integrated Center

* Sejong Smart City Center

Seongnam City Urban Information Integrated Center

Smart Farm | 2 sites

Jeju Baettorong Tangerine Farm

Jeju Seogwipo Agricultural Technology Center

Smart Energy | 13 sites

Chungju Foodwaste Bioenergy Center

* Daejeon KEPCO Research Institute

Hongcheon Eco-friendly Energy Town

* Ilsan Zero Carbon Green Home

Jeju Dongbok-Bukchon Wind Farm

Jeju Gapado Carbon Free Island

* Jeju Global Research Center

Jeju New & Renewable Energy Exhibit Hall

Jincheon Eco-Friendly Energy Town

Jincheon Solar Technology Support Center

Nowon EZ Center

* Seoul Energy Dream Center

* Seoul National University Campus IoT Based Campus Microgrid

Smart Transportation | 5 sites

Bucheon Traffic Information Center

* Busan Transportation Information Center

* Daegu Suseong Alpha City Autonomous Driving Car

Seoul Transport Operation and Information Service(TOPIS)

* Smart Traffic Information Center

Smart Environment | 12 sites

Busan Resource Circulation Cooperation Center

Gangnam Resource Recovery Facility

K-water Goryeong Office

* K-water Han-River Operation Center

K-water Paju Office Center

* K-water Water Data Collection & Analysis Dept.

Mapo Resource Recovery Facility

Pangyo Clean Tower

Pangyo Water Quality Restoration Center

Sejong Auto CleanNet

Sejong Water Quality Restoration Center

Yangcheon Resource Recovery Facility

ICT Solution | 8 sites

* Busan IoT Global Smart City Campus

* Daejeon ETRI ICT Experience Center

Goyang Smart City Promotion Center

* KT Square

LG U Plus Experience Center

* SK T.um

* Suwon Samsung Innovation Museum

The Smartium

Other Sites | 8 sites

* Administrative City Sejong Visitor Center

* Busan Eco Delta City Observatory, Delta Lu

Digital Media City(DMC) Galley

Dongtan New Town Information Hall

K-live / VR Park

Pangyo 2nd Techno Valley Promotion Center

* Sejong Milmaru Observatory

Smart Guro Exhibition Center

* Briefing in English

City Operation

Integrated Operation Center
- Manage the city's issues such as traffic condition, safety, crime and disaster prevention, facility management and more
- Monitor the situation at real-time by connecting the CCTV and services between the departments
- Operate the main incidents in the city such as crime prevention, traffic accident and flow, a detection of bushfire and stream flooding

Integrated operation of the system such as transport, crime prevention, disaster and more
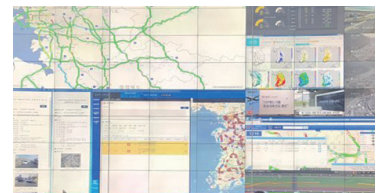- Various services connected with integrated platform such as transport, safety, disaster prevention, facilities, communications and more
- Construct the system that can quickly respond to emergency situations between the departments

Smart Transportation

Transport Information Center
- Manage the traffic such as traffic communication and safety management, traffic information analysis and provision, first action and situation notice under the accident
- Provide traffic information such as real-time traffic condition, accident, construction area, traffic broadcasting and traffic forecasting through website and application

Smart Mobility
- Autonomous driving vehicle demonstration and trial ride and visit Autonomous driving data hub center
- Research on performance of autonomous driving based on the data collected from connected autonomous driving vehicle

Smart Environment

Smart Water

- Detect the water treatment process efficiency at real-time by utilizing the automatic water quality measuring device at the water treatment facility
- Secure the stable water quality even under the emergency situations like inflow flow rate variation
- Decrease the leakage rate through the leakage detection system
- Remote meter reading is possible by using the remote meter reading device

Smart Waste Treatment

- Comprise of import, supply and Processed Refuse Fuel (PRF) facilities, incineration and cooling facilities, combustion gas cooling and incineration ash process facilities
- General waste and food waste collected through the pipes will be sorted by centrifuge
- Utilize for production of new renewable energy after the preprocessing process such as cooling and deodorization

Smart Energy

Zero Energy Complex

- R&D project of Ministry of Land, Infrastructure, and Transport
- Korea's first eco-friendly energy zero housing area with a total of 121 households residing in this complex
- Compare to existing household, it can save up to 61% of energy demand by applying the passive design technique

New Renewable Energy

- Introduce various new renewable energy such as solar energy, geothermal energy , ocean energy , bioenergy, hydrogen energy , coal liquefaction and gasification, water and wind power generation

ICT Solution

Smart City Service Demonstration
- Improve the traffic, convenience of life, energy environment, safety of the citizen and the services in various fields through ICT technology
- Demonstrate IoT mirror, smart streetlight, safety location service, school zone walk safety service, smart drone, maritime safety, smart parking and more
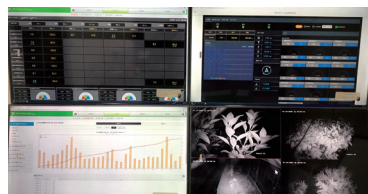

Smart Home
- Experience the home appliances and smart devices made with ICT technology
- Visit the latest technology, products, solution and services of the enterprises

Smart Farm

Smart Agriculture Test-bed Training Center
- Integrated and individual monitoring for smart agriculture
- Systematic management through daily data collection and statistics through daily statistics, comparison on the day · night time temperature, sum of temperature, moisture deficit and more
- Responding to 4th Industrial Revolution converging the ICT and agricultural technology

Smart Tangerine Farm
- Manage greenhouses effectively by constructing automation system
- Utilize integrated management system through various sensors and devices such as CCTV camera, optical zoom camera, manless pest control machine , thermal curtain and window control, monitoring of greenhouse indoor humidity, temperature and geothermometer
- Remotely control and monitor through smart phone and computer

Participation

Smart City Tour Program
Time: Half day tour (4 hours) / All day tour (9 hours)
Participants: 10~20 people
Language: English
Online registration: https://tour.smartcity.or.kr
Contact : +82-2-3667-5005 / tour@smartcity.or.kr

Registration Process

01 Registration	02 Review	03 Confirmation
Registration through website and email	Internal review of the form	Confirmation email shall be sent out within 3 days from registration date

Notes

- Smart City Tour program is currently operated for visitors from overseas countries
- Tour schedule may subject to situation of tour sites
- Please contact Smart City Promotion Center(+82-2-3667-5005) for any inquires regarding the tour program registration

Registration Form

Personal Information	
Name	
Position	
Organization	
Email	
Contact	
Nationality	
Location of accommodation	

Tour Information	
Name of Group	
Number of participants	
Tour date	
Tour time	
Interested field (Sites)	
Language / Accompanying Interpreter	
Transportation	☐ Bus ☐ Car ☐ Other

If you are interested in participating in our tour, please fill out the above registration form and send it to
tour@smartcity.or.kr or register online at **https://tour.smartcity.or.kr**

Smart City
Tour Program

Smart City
Promotion Center

1-911, Lotte IT Castle, 98 Gasan digital 2-ro, Geumcheon-gu, Seoul, Korea
TEL : +82-2-3667-5005 / **FAX** : +82-2-3667-5511