



SOUTHERN CALIFORNIA
ASSOCIATION OF GOVERNMENTS
900 Wilshire Blvd., Ste. 1700
Los Angeles, CA 90017
T: (213) 236-1800
www.scag.ca.gov

REGIONAL COUNCIL OFFICERS

President
Clint Lorimore, Eastvale

First Vice President
Jan C. Harnik, Riverside County
Transportation Commission

Second Vice President
Carmen Ramirez, County of Ventura

Immediate Past President
Rex Richardson, Long Beach

COMMITTEE CHAIRS

Executive/Administration
Clint Lorimore, Eastvale

Community, Economic &
Human Development
Jorge Marquez, Covina

Energy & Environment
David Pollock, Moorpark

Transportation
Sean Ashton, Downey

REMOTE PARTICIPATION ONLY

SPECIAL MEETING

EMERGING TECHNOLOGIES COMMITTEE

Thursday, October 28, 2021
1:00 p.m. – 2:00 p.m.

To Participate on Your Computer:

<https://scag.zoom.us/j/941139378>

To Participate by Phone:

Call-in Number: 1-669-900-6833

Meeting ID: 941 139 378

***Please see next page for detailed
instructions on how to participate in the meeting.***

PUBLIC ADVISORY

Given the declared state of emergency (pursuant to State of Emergency Proclamation dated March 4, 2020) and local public health directives imposing and recommending social distancing measures due to the threat of COVID-19, and pursuant to Government Code Section 54953(e)(1)(A), the meeting will be held telephonically and electronically.

If members of the public wish to review the attachments or have any questions on any of the agenda items, please contact Maggie Aguilar at (213) 630-1420 or via email at aguilarm@scag.ca.gov. Agendas & Minutes are also available at: www.scag.ca.gov/committees.

SCAG, in accordance with the Americans with Disabilities Act (ADA), will accommodate persons who require a modification of accommodation in order to participate in this meeting. SCAG is also committed to helping people with limited proficiency in the English language access the agency's essential public information and services. You can request such assistance by calling (213) 630-1420. We request at least 72 hours (three days) notice to provide reasonable accommodations and will make every effort to arrange for assistance as soon as possible.



Instructions for Public Comments

You may submit public comments in two (2) ways:

1. **In Writing:** Submit written comments via email to: ePublicComment@scag.ca.gov by 5pm on Wednesday, October 27, 2021. You are **not** required to submit public comments in writing or in advance of the meeting; this option is offered as a convenience should you desire not to provide comments in real time as described below.

All written comments received after 5pm on Wednesday, October 27, 2021 will be announced and included as part of the official record of the meeting.

2. **In Real Time:** If participating in real time via Zoom or phone, during the Public Comment Period, use the “raise hand” function on your computer or *9 by phone and wait for SCAG staff to announce your name/phone number. SCAG staff will unmute your line when it is your turn to speak. Limit oral comments to 3 minutes, or as otherwise directed by the presiding officer.

If unable to connect by Zoom or phone and you wish to make a comment, you may submit written comments via email to: ePublicComment@scag.ca.gov.

In accordance with SCAG’s Regional Council Policy, Article VI, Section H and California Government Code Section 54957.9, if a SCAG meeting is “willfully interrupted” and the “orderly conduct of the meeting” becomes unfeasible, the presiding officer or the Chair of the legislative body may order the removal of the individuals who are disrupting the meeting.

OUR MISSION

To foster innovative regional solutions that improve the lives of Southern Californians through inclusive collaboration, visionary planning, regional advocacy, information sharing, and promoting best practices.

OUR VISION

Southern California’s Catalyst for a Brighter Future

OUR CORE VALUES

Be Open | Lead by Example | Make an Impact | Be Courageous



Instructions for Participating in the Meeting

SCAG is providing multiple options to view or participate in the meeting:

To Participate and Provide Verbal Comments on Your Computer

1. Click the following link: <https://scag.zoom.us/j/941139378>
2. If Zoom is not already installed on your computer, click “Download & Run Zoom” on the launch page and press “Run” when prompted by your browser. If Zoom has previously been installed on your computer, please allow a few moments for the application to launch automatically.
3. Select “Join Audio via Computer.”
4. The virtual conference room will open. If you receive a message reading, “Please wait for the host to start this meeting,” simply remain in the room until the meeting begins.
5. During the Public Comment Period, use the “raise hand” function located in the participants’ window and wait for SCAG staff to announce your name. SCAG staff will unmute your line when it is your turn to speak. Limit oral comments to 3 minutes, or as otherwise directed by the presiding officer.

To Listen and Provide Verbal Comments by Phone

1. Call **(669) 900-6833** to access the conference room. Given high call volumes recently experienced by Zoom, please continue dialing until you connect successfully.
2. Enter the **Meeting ID: 941 139 378**, followed by #.
3. Indicate that you are a participant by pressing # to continue.
4. You will hear audio of the meeting in progress. Remain on the line if the meeting has not yet started.
5. During the Public Comment Period, press *9 to add yourself to the queue and wait for SCAG staff to announce your name/phone number. SCAG staff will unmute your line when it is your turn to speak. Limit oral comments to 3 minutes, or as otherwise directed by the presiding officer.

OUR MISSION

To foster innovative regional solutions that improve the lives of Southern Californians through inclusive collaboration, visionary planning, regional advocacy, information sharing, and promoting best practices.

OUR VISION

Southern California's Catalyst for a Brighter Future

OUR CORE VALUES

Be Open | Lead by Example | Make an Impact | Be Courageous



EMERGING TECHNOLOGIES COMMITTEE AGENDA

ETC - Emerging Technologies Committee *Members – October 2021*

1. **Sup. Curt Hagman**
Chair, San Bernardino County
2. **Hon. Sean Ashton**
Downey, RC District 25
3. **Hon. Drew Boyles**
El Segundo, RC District 40
4. **Hon. Margaret Clark**
Rosemead, SGVCOG
5. **Ms. Leslie Lindahl**
Government Relations, Ex-Officio Non-Voting Member
6. **Hon. Margaret Finlay**
Duarte, RC District 35
7. **Hon. Jan C. Harnik**
RCTC Representative
8. **Hon. Dan Kalmick**
Huntington Beach, OCCOG
9. **Hon. Steve Manos**
Lake Elsinore, RC District 63
10. **Mr. Paul Marquez**
Caltrans District 7, Ex-Officio Non-Voting Member
11. **Hon. Carol Moore**
Laguna Woods, OCCOG
12. **Hon. Frank Navarro**
Colton, RC District 6
13. **Ms. Pam O'Connor**
CA Road Charge TAC, Ex-Officio Non-Voting Member
14. **Sup. Luis Plancarte**
Imperial County
15. **Hon. David Pollock**
Moorpark, RC District 46

OUR MISSION

To foster innovative regional solutions that improve the lives of Southern Californians through inclusive collaboration, visionary planning, regional advocacy, information sharing, and promoting best practices.

OUR VISION

Southern California's Catalyst for a Brighter Future

OUR CORE VALUES

Be Open | Lead by Example | Make an Impact | Be Courageous



EMERGING TECHNOLOGIES COMMITTEE AGENDA

- 16. Hon. Deborah Robertson**
Rialto, RC District 8

- 17. Hon. Cheryl Viegas-Walker**
El Centro, RC District 1

- 18. Hon. Alan Wapner**
SBCTA Representative

- 19. Hon. Edward Wilson**
Signal Hill, GCCOG

- 20. Hon. Frank Zerunyan**
Rolling Hills Estates, SBCCOG

OUR MISSION

To foster innovative regional solutions that improve the lives of Southern Californians through inclusive collaboration, visionary planning, regional advocacy, information sharing, and promoting best practices.

OUR VISION

Southern California's Catalyst for a Brighter Future

OUR CORE VALUES

Be Open | Lead by Example | Make an Impact | Be Courageous



EMERGING TECHNOLOGIES COMMITTEE AGENDA

Southern California Association of Governments

Remote Participation Only

Thursday, October 28, 2021

1:00 PM

The Emerging Technologies Committee may consider and act upon any of the items listed on the agenda regardless of whether they are listed as information or action items.

CALL TO ORDER AND PLEDGE OF ALLEGIANCE

(The Honorable Curt Hagman, Chair)

PUBLIC COMMENT PERIOD

Members of the public are encouraged, but not required, to submit written comments by sending an email to: ePublicComment@scag.ca.gov by 5pm on Wednesday, October 27, 2021. Such comments will be transmitted to members of the legislative body and posted on SCAG's website prior to the meeting. Any writings or documents provided to a majority of the Emerging Technologies Committee regarding any item on this agenda (other than writings legally exempt from public disclosure) are available at the Office of the Clerk, located at 900 Wilshire Blvd., Suite 1700, Los Angeles, CA 90017 during normal business hours and/or by contacting the office by phone, (213) 630-1420, or email to aguilarm@scag.ca.gov. Written comments received after 5pm on Wednesday, October 27, 2021, will be announced and included as part of the official record of the meeting. Members of the public wishing to verbally address the Emerging Technologies Committee in real time during the meeting will be allowed up to 3 minutes to speak, with the presiding officer retaining discretion to adjust time limits as necessary to ensure efficient and orderly conduct of the meeting. The presiding officer has the discretion to equally reduce the time limit of all speakers based upon the number of comments received. The total time period for all public comments related to items on the agenda and any other matter within the agency's subject matter jurisdiction is five (5) minutes. However, the presiding officer retains discretion to extend the 5-minute general comment period so that all members of the public desiring to speak may do so.

REVIEW AND PRIORITIZE AGENDA ITEMS

CONSENT CALENDAR

Approval Items

1. Minutes of ETC Meeting – August 26, 2021

INFORMATION/DISCUSSION ITEMS

2. A Case Study of Incheon Free Economic Zone (Songdo) Smart City 60 Mins.
(Ryan Lee, Business Department Director, IFEZ Integrated Operation Center)

OUR MISSION

To foster innovative regional solutions that improve the lives of Southern Californians through inclusive collaboration, visionary planning, regional advocacy, information sharing, and promoting best practices.

OUR VISION

Southern California's Catalyst for a Brighter Future

OUR CORE VALUES

Be Open | Lead by Example | Make an Impact | Be Courageous



EMERGING TECHNOLOGIES COMMITTEE AGENDA

FUTURE AGENDA ITEMS

ANNOUNCEMENTS

ADJOURNMENT



Southern California Association of Governments
Remote Participation Only
October 28, 2021

EMERGING TECHNOLOGIES COMMITTEE (ETC)
MINUTES OF THE MEETING
THURSDAY, AUGUST 26, 2021

THE FOLLOWING MINUTES ARE A SUMMARY OF ACTIONS TAKEN BY THE EMERGING TECHNOLOGIES COMMITTEE. A DIGITAL RECORDING OF THE ACTUAL MEETING IS AVAILABLE FOR LISTENING IN SCAG’S OFFICE.

The Emerging Technologies Committee (ETC) of the Southern California Association of Governments (SCAG) held its regular meeting telephonically and electronically given public health directives limiting public gatherings due to the threat of COVID-19 and in compliance with the Governor’s recent Executive Order N-29-20. A quorum was present.

Members Present:

- | | |
|---------------------------------------|------------------------------|
| Hon. Drew Boyles | District 40 |
| Hon. Margaret E. Finlay | District 35 |
| Hon. Curt Hagman (Chair) | San Bernardino County |
| Hon. Dan Kalmick | Hunington Beach, OCCOG |
| Hon. Leslie Lindahl | Ex-Officio Non-Voting Member |
| Hon. Steve Manos | District 63 |
| Mr. Paul Marquez, Caltrans District 7 | Ex-Officio Non-Voting Member |
| Hon. Carol Moore | OCCOG |
| Hon. Pam O’Connor, CA Road Charge TAC | Ex-Officio Non-Voting Member |
| Hon. Luis Plancarte | Imperial County |
| Hon. Alan Wapner | SBCTA |
| Hon. Frank Zerunyan | SBCCOG |

Members Not Present:

- | | |
|---------------------|-------------|
| Hon. Sean Ashton | District 25 |
| Hon. Margaret Clark | SGVCOG |
| Hon. Jan Harnik | RCTC |
| Hon. Frank Navarro | District 6 |
| Hon. David Pollock | District 46 |



Hon. Deborah Robertson	District 8
Hon. Cheryl Viegas-Walker	District 1
Hon. Edward H.J. Wilson	GCCOG

CALL TO ORDER & PLEDGE OF ALLEGIANCE

Chair Hagman called the meeting to order at 10:00 a.m. Hon. Carol Moore, OCCOG, led the Pledge of Allegiance.

PUBLIC COMMENT

No members of the public requested to comment.

CONSENT CALENDAR

Approval Items

1. Minutes of ETC Meeting – April 29, 2020

A MOTION was made (Finlay) to approve the Consent Calendar. The motion was SECONDED (Moore) and passed by the following votes:

AYES: BOYLES, FINLAY, HAGMAN, KALMICK, MANOS, MOORE, PLANCARTE, WAPNER, ZERUNYAN (9)

NOES: None (0)

ABSTAIN: None (0)

INFORMATION/DISCUSSION ITEMS

2. California State University Long Beach Survey Announcement

Marisa Laderach, SCAG staff, reported that CSU Long Beach is undergoing research to help identify factors which contribute to Smart Cities design. She stated the research team is seeking participation from elected officials in the region who have experience with smart cities initiatives. Further, committee members will be forwarded a survey and responses are appreciated.

Hon. Frank Zerunyan, SCCCOCG, reported he served on a recent advisory board on Smart Cities and is available to share information and research experience.

3. Accelerating the Deployment of Wireless Broadband Network

Randal Hernandez, External Affairs, Verizon, provided an update on efforts toward accelerated deployment of broadband. He noted broadband importance has increased since COVID and reviewed current efforts to lead such as their Innovative Learning Schools effort. Increased deployment for the home and businesses are central goals going forward as well as preparation for 5G. He highlighted micro cells technology which is less obtrusive infrastructure which can be built out quicker. Microtrenching was explained and it was noted that the impact on streets is much less than previous practices and results in less delay. Mr. Hernandez stated faster speeds using smaller more powerful equipment will assist efforts in bringing broadband technology to more neighborhoods. He reviewed several recommendations to help build stronger partnerships with cities and other local governments.

Chair Hagman noted local governments can play a constructive role in the process by updating permitting and other processes to provide smoother integration and network build out.

4. Introduction of Hyperloop Transportation Technologies, Inc.

Chuck Michael, Hyperloop, reported on their technology and transportation system. It was noted Hyperloop technology uses a passenger or light freight capsule traveling inside a tube. Vacuum pumps are used to reduce air resistance inside the tubing enabling faster speed. The passenger capsule is propelled by magnetic levitation technology. He noted the system is adaptable as the tubing system can be installed above ground or beneath it. Beneath ground systems would operate similar to a subway. Next, Hyperlink station design and technology was examined, and it was noted that station design would include solar capture to generate energy. Current systems being explored include a Cleveland-Chicago-Pittsburgh route where a feasibility study is underway. Other benefits include an emissions free transportation system capable of moving passengers and freight.

5. Open Discussion of Future Emerging Technologies Committee Topics

Tom Bellino, SCAG staff, led a discussion to obtain guidance from committee members on future agenda items. Several potential items were brought forth including, 1) automation and its impact on society, 2) how will our senior population use technology and how does this impact ADA compliance, 3) repurposing land use and how does it relate to housing, 4) technology strategy for 20's population, 5) tours: SpaceX, Virgin Galactic, 6) virtual tours, 7) construction technology, 8) 3-D printing, 9) air taxi & aerospace innovations, 10) future of EMS services, 11) mobility as a service.



FUTURE AGENDA ITEMS

There were no future agenda items.

ANNOUNCEMENTS

There were no announcements.

ADJOURNMENT

There being no further business, Chair Hagman adjourned the meeting at 11:33 a.m.

[MINUTES ARE UNOFFICIAL UNTIL APPROVED BY THE EMERGING TECHNOLOGY COMMITTEE]

//



AGENDA ITEM 2

REPORT

Southern California Association of Governments
Remote Participation Only
October 28, 2021

To: Emerging Technologies Committee (ETC)

EXECUTIVE DIRECTOR'S
APPROVAL

From: Thomas Bellino, Senior Regional Planner
(213) 236-1830, bellino@scag.ca.gov

Subject: A Case Study of Incheon Free Economic Zone (Songdo) Smart City

RECOMMENDED ACTION:

Information Only – No Action Required.

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 1: Produce innovative solutions that improve the quality of life for Southern Californians. 3: Be the foremost data information hub for the region.

EXECUTIVE SUMMARY:

SCAG's adopted 2020 Regional Transportation Plan and Sustainable Communities Strategy (RTP/SCS), called Connect SoCal, identifies several "key connections" that are meant to advance policy discussions and strategies to leverage new technologies and create better partnerships to increase progress on regional goals. One of these "key connections" is Smart Cities & Job Centers, which involves deploying integrated information and communication technologies to improve transportation system efficiency and performance, particularly in areas with existing high employment density.

As SCAG and cities or other jurisdictions in Southern California study and implement "Smart City" policies, policymakers may benefit from real-world examples of what the culmination of those efforts could look like. Ryan Lee, operations director for the Smart Cities Integrated Operations Center in Incheon, South Korea, will present valuable information learned in that city's special zone for Smart City innovation. Committee members will learn lessons and have the opportunity to ask Mr. Lee questions about how those lessons might impact their communities.

BACKGROUND:

Over the last decade or so, "Smart City" has become more than a buzzword in many cities. From internet-connected water pipes to traffic signals that communicate with freight trucks, the term has come to symbolize how governments can harness technology and information to make life better and easier in their communities. However, with so many possibilities, many leaders may seek

guidance on which types of innovations might apply to their communities and what those innovations look like once implemented.

The Incheon Free Economic Zone (IFEZ) was designated in August 2003 with a total area of 123.65km² (approx. 47.7 square miles) covering Songdo, Yeongjong and Cheongna as the South Korean government's strategy of becoming the business hub for Northeast Asia's economy, including the nearby Incheon International Airports and Ports.

Incheon is where the country's west coast originates, serving as the gateway to Seoul and a metropolitan area with 23 million people and the center of Korea's economic, industrial, and land development. Located 8km from downtown Incheon and 50km from the center of Seoul, IFEZ, and its adjacent Incheon Port, are highly accessible, with major metropolitan areas only 60~90 minutes away.

A Free Economic Zone (FEZ) is a special economic area designated in order to attract higher levels of foreign investment by a) improving business and residential conditions for foreign investment companies; and b) by relaxing various regulations to secure the freedom to engage in economic activities and offer attractive investment incentives as much as possible. In addition, FEZs provide a wide range of tax benefits, reduce regulations to ensure the freedom to engage in economic activity, establish convenient living conditions and easy-to-use administrative services for free-flowing and diverse business endeavors.

It's easy to see parallels between the Seoul/Incheon region and SCAG's. Committee members will be able to learn much from this presentation and conversation.

FISCAL IMPACT:

None.

ATTACHMENT(S):

1. PowerPoint Presentation - IFEZ Presentation

A Case Study of IFEZ(Songdo) Smart City

Ryan LEE

Director, IFEZ Smart City Integrated Operation Center

Outline of the Incheon Free Economic Zone



IFEZ Specialized Business Areas



Perfect Infrastructure

- Incheon International Airport
- Incheon New Port
- International Cruise Terminal
- Global Campus

Highly qualified workforce

- IT (Information Tech) workforce
- BT (Bio Tech) workforce
- NT (Nano Tech) workforce

International City

- Optimal business environment
- The best settlement area for foreigners

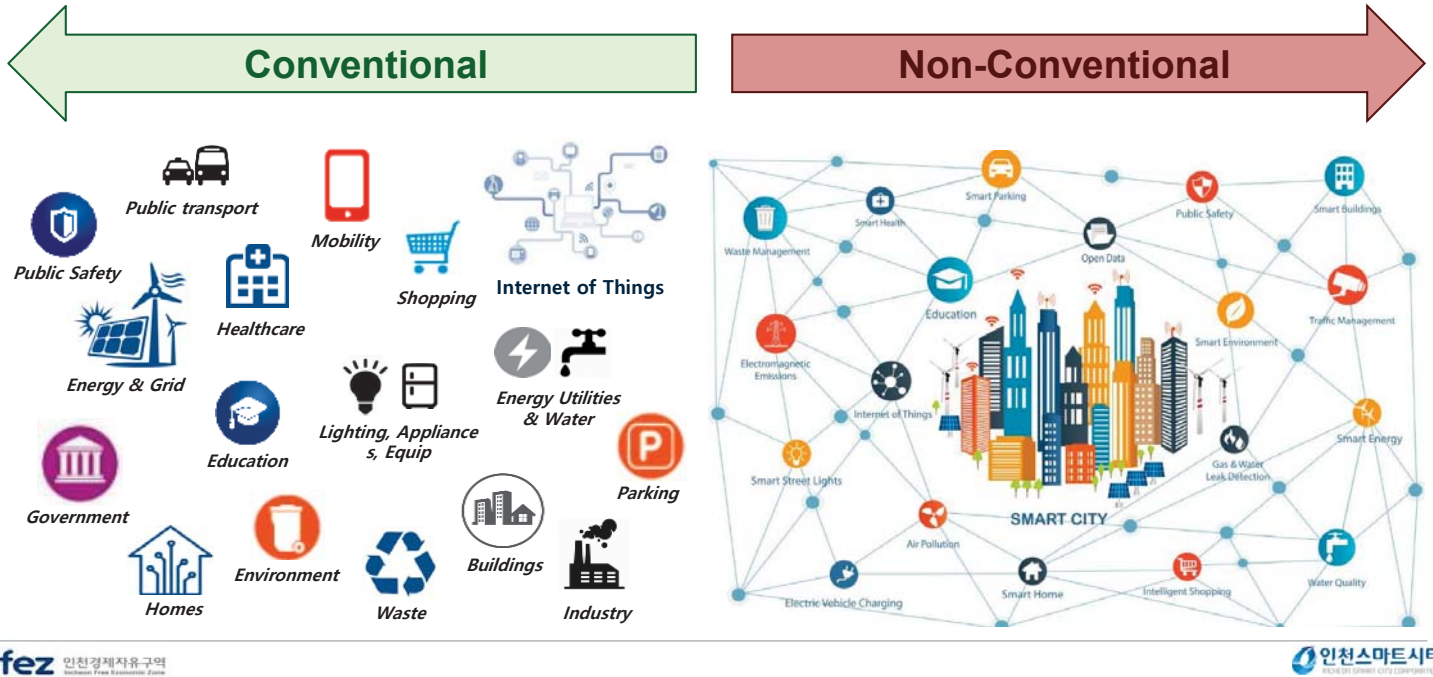
Transportation Tourism/Leisure Logistics Education Healthcare



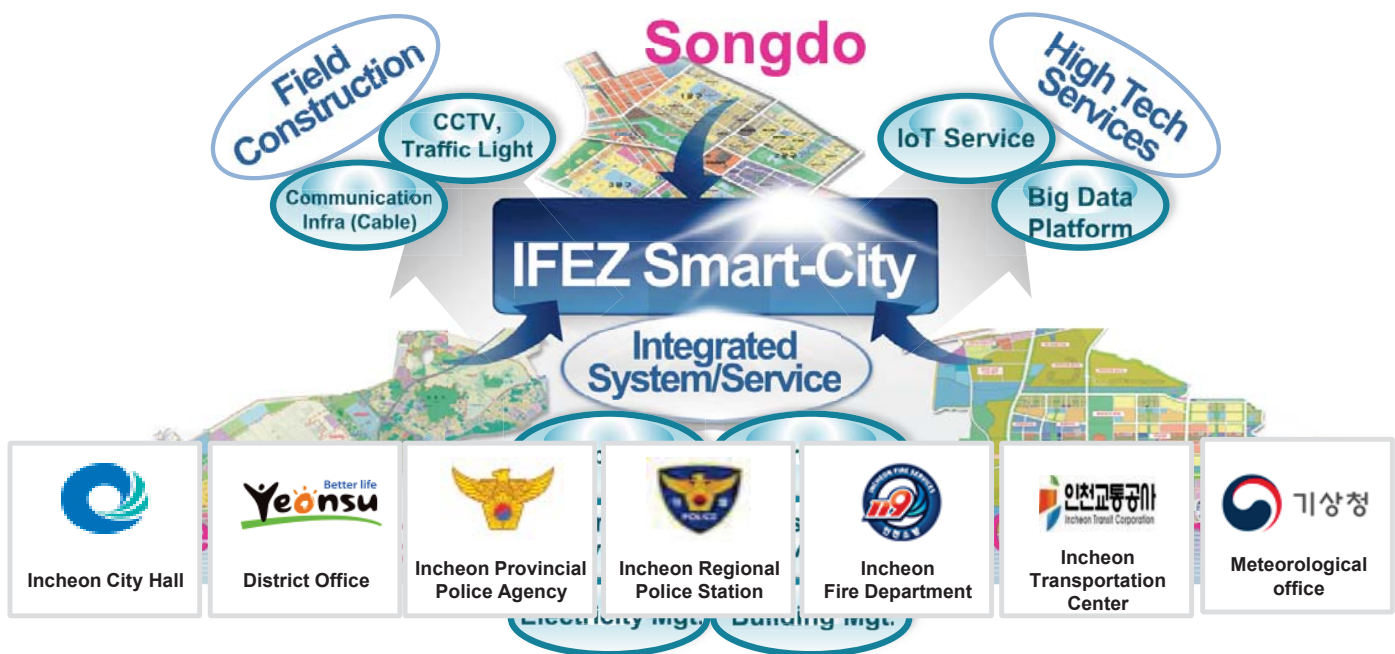
Global Leading Smart U-City 송도!

Why "Smart City"?

through "Smart City", services that were previously configured individually are integrated into one



Structure of IFEZ Smart City



Attachment: PowerPoint Presentation - IFEZ Presentation - IFEZ Presentation (A Case Study of IFEZ (Songdo) Smart City)



How to build "Smart City"?

Attachment: PowerPoint Presentation - IFEZ Presentation (A Case Study of IFEZ (Songdo) Smart City)

“Smart-City” has changed the way to solve urban problems.



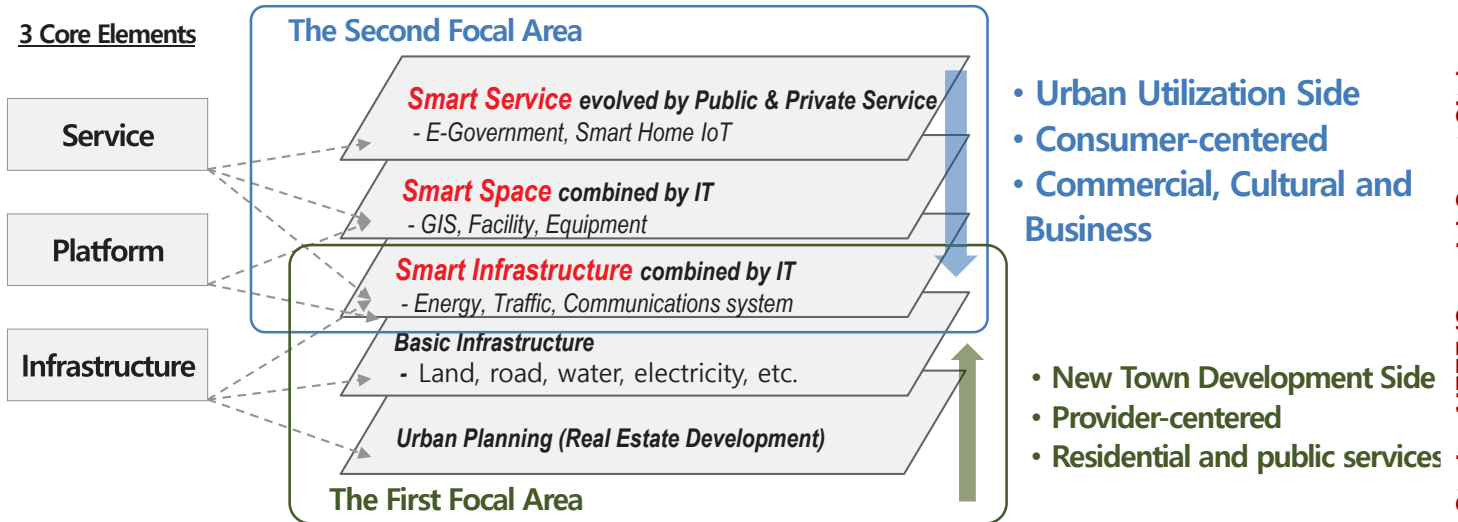
- ◆ Large-scale investment
- ◆ Long-term plan
- ◆ Physical infrastructure
- ◆ Residential space

- ◆ The right investment at the right place
- ◆ Step by step plan
- ◆ Maximization of investment efficiency
- ◆ Services based on city data

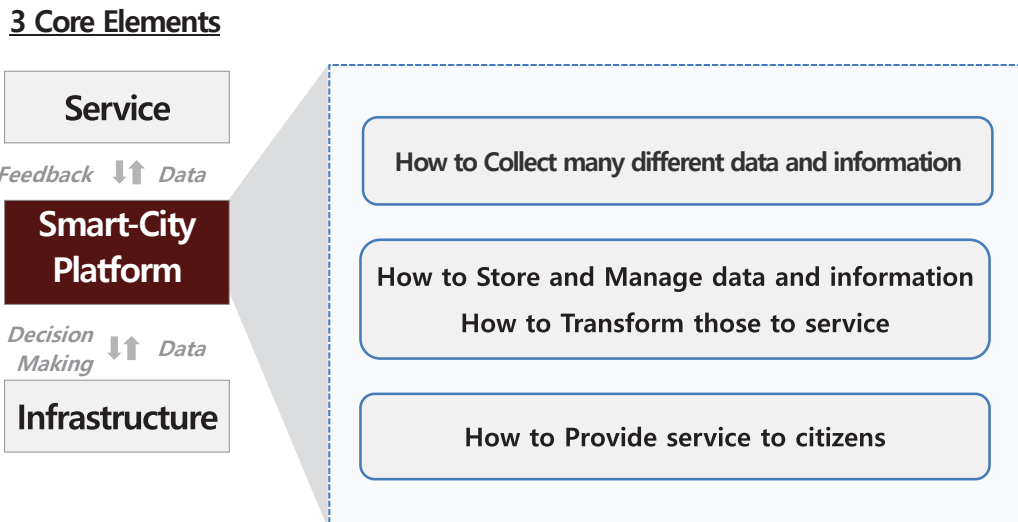


“Smart City” Components

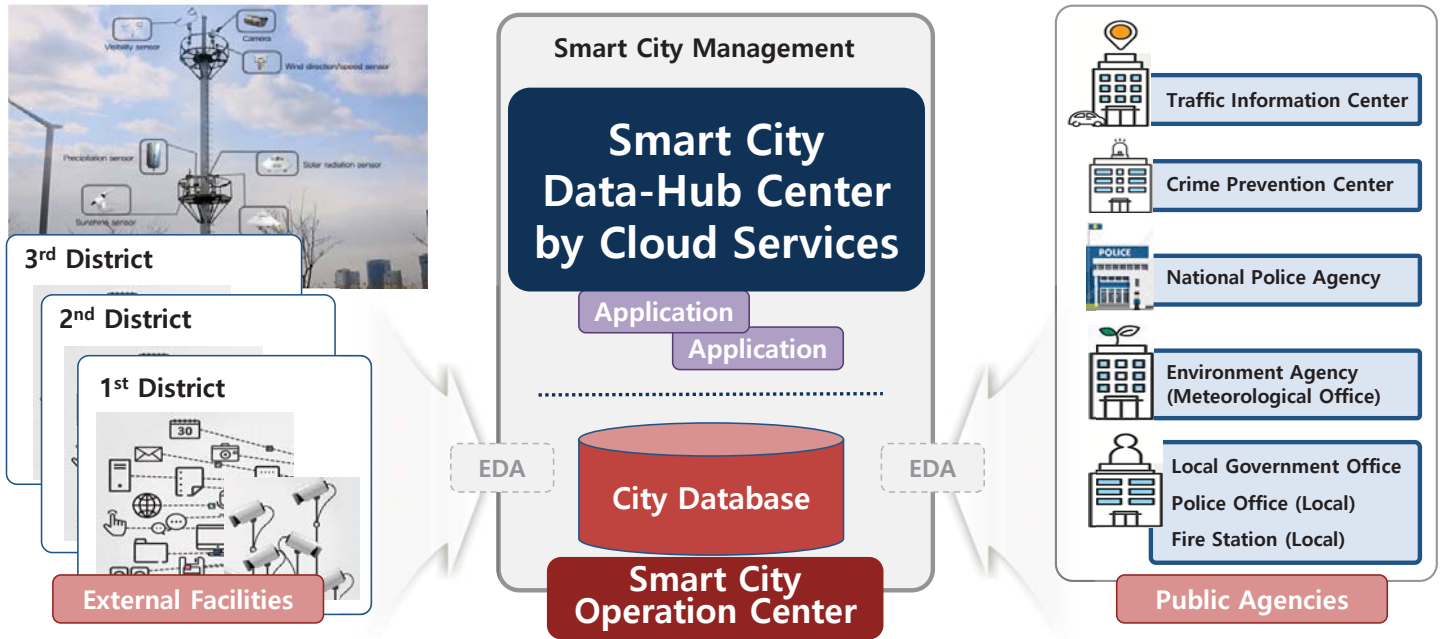
Smart City Approach 5 Layers



The infrastructure and services are linked to each other in the center of **the Smart City Platform**. **The City Integrated Operation Center** is equipped with a technology drive system centered on core technology, a data driven system for integration between areas, and a governance system for continuous implementation



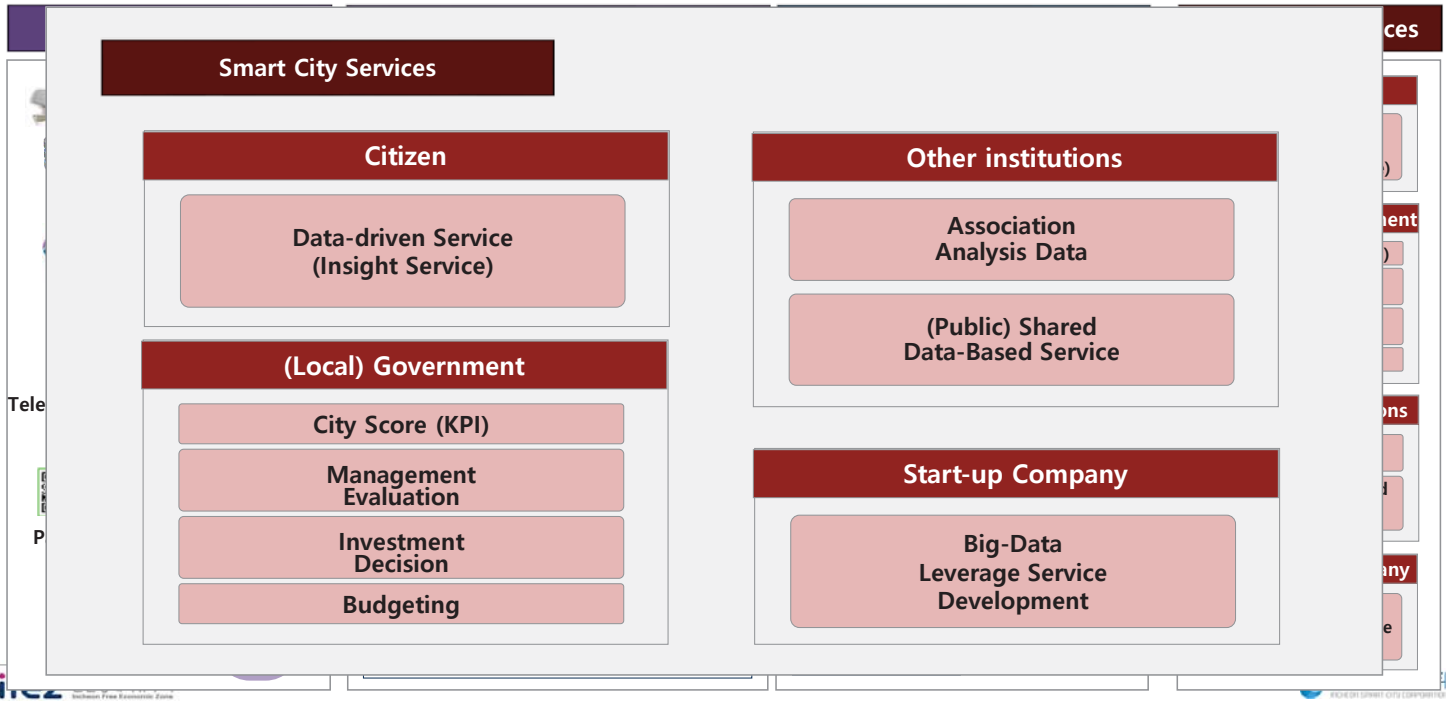
"Smart City" Main Components



IFEZ SMART CITY IOC (Intelligent Operation Center)



Data-Hub Center with Big Data



Smart City Sustainable Program

Provision of a **new Startup environment**

based on smartcity data and 4th industrial revolution technology.

Creation of a **Startup self-sustaining ecosystem**

with the participation of citizens, enterprises, organizations, etc.





What "IFEZ Smart-City"?

Global Leading Smart U-City 송도!

Attachment: PowerPoint Presentation - IFEZ Presentation (A Case Study of IFEZ (Songdo) Smart City)

Vision

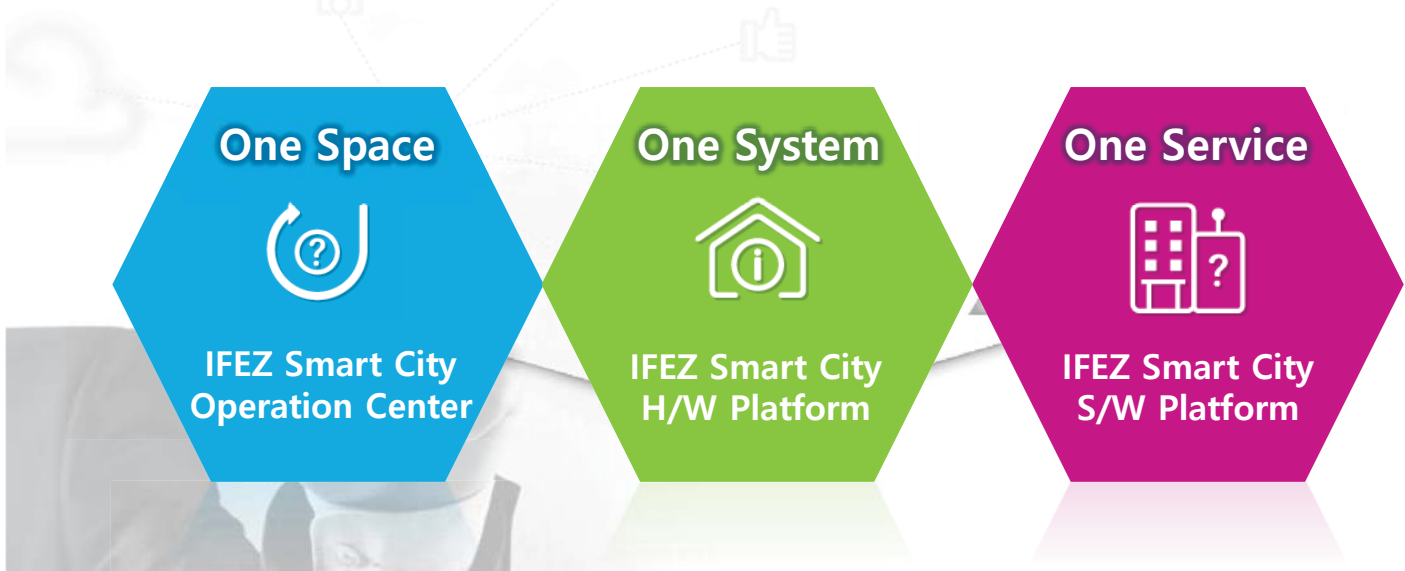
“Global Leading Smart City”

Anytime,
Anywhere,
Anyone
with Smart City Services



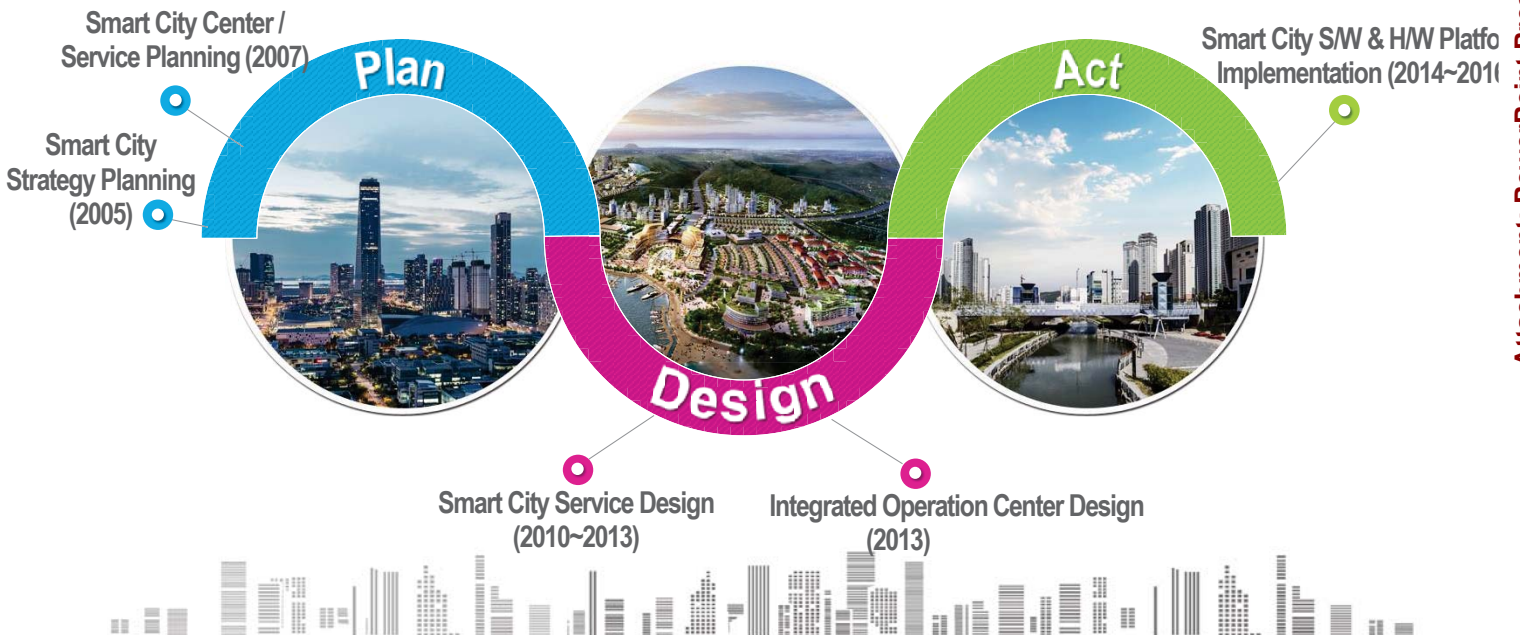
Strategy

“Simple & Complete Smart City”



Development Plan

“Comprehensive & Efficient Smart City”

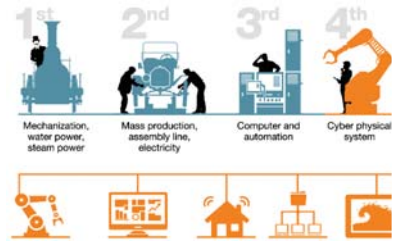


Progress

“Step by Step Smart City”

1st step
Construction of Smart-City Infra
2003~2009

- Establishment of information strategy
- Construction of communications infra



2nd step
Implementation of Smart-City Service
2010~2016

- Progression of 3-Areas Smart-City project
- Integration of Smart City in 3-Areas into one IFEZ Smart City



3rd step
Upgrading the Smart-City & Expanding new services
2017~2022

- Advancement of IFEZ Smart-City Platform
- Development of new Smart-City Services (with IoT, Big-data skills & Cloud technique)



Services

“Integrational & Equivalent Smart City”



Public Service

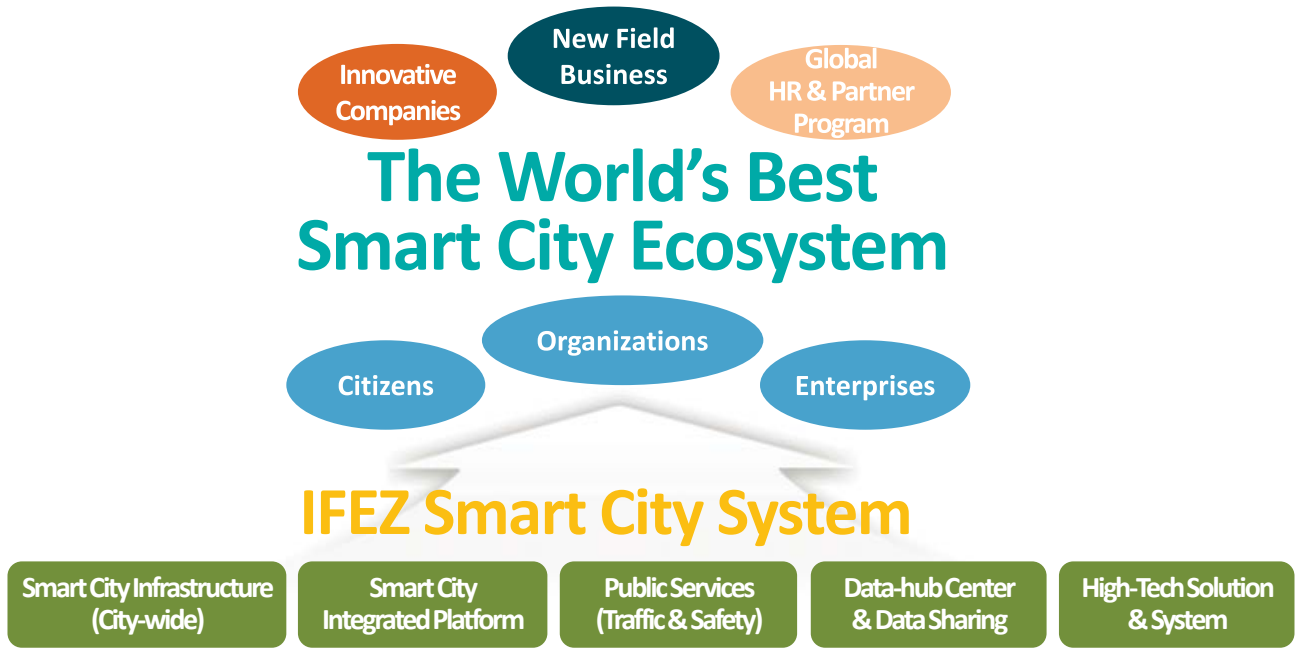
- U-Traffic
- U-Crime Prevention
- U-Facility
- U-Disaster
- U-Green
- U-Traffic Facility

Private Service

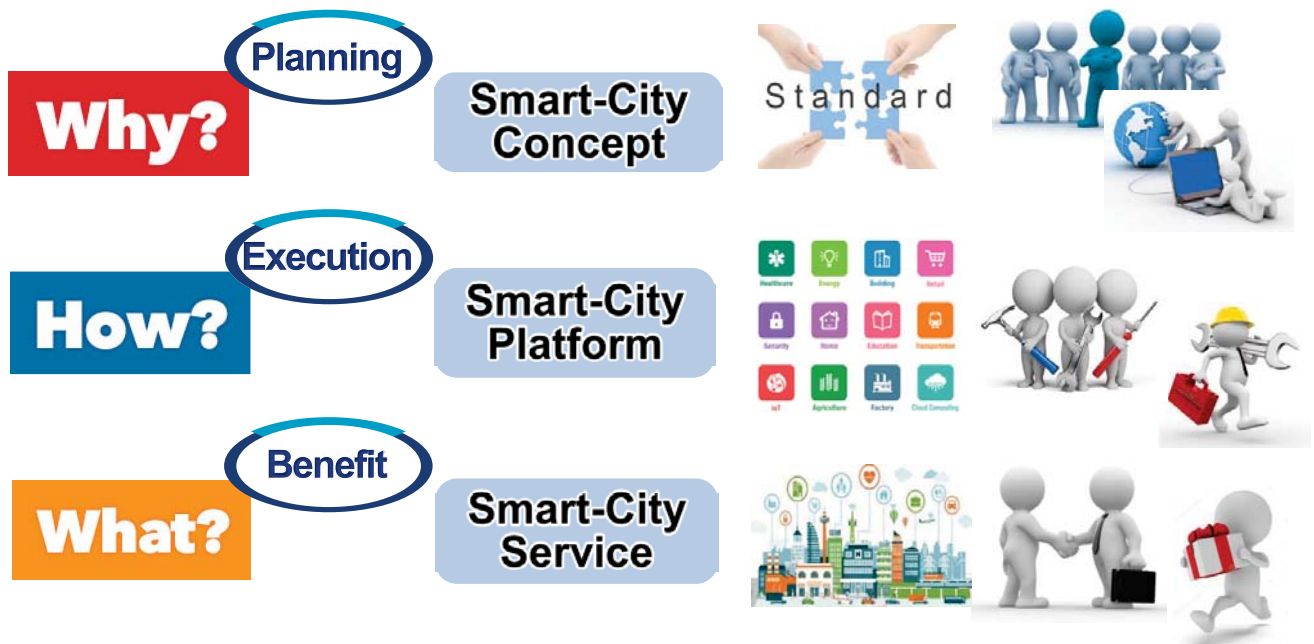
- U-Home
- U-Store
- U-Education
- U-Building
- U-Healthcare
- U-Office



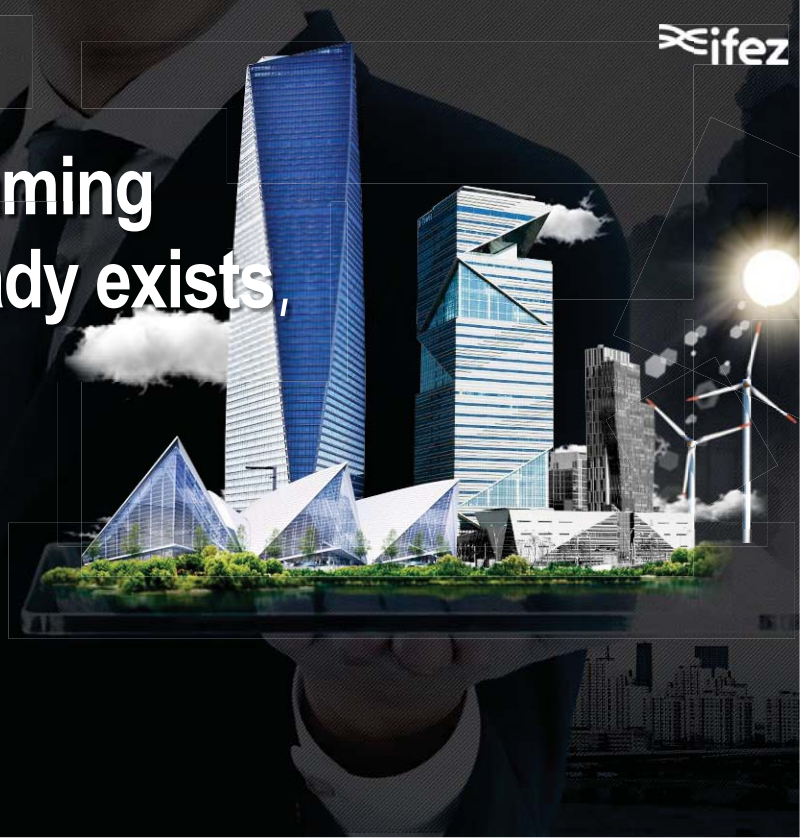
Smart City Expected Effects



Characteristic of IFEZ SMART CITY



The city of the future
that you've been dreaming
And waiting for, Already exists,
IFEZ Smart City



Thank you

*Ryan LEE (sangho.lee@ismartcity.co.kr)
Director, IFEZ Smart City Integrated Operation Center*