



**1. The Forth Industrial Revolution
and the City**

2. Pursuing a Smart Inclusive City

**3. The examples of a Smart Inclusive
City**

4. Conclusion

**The Smart
City**

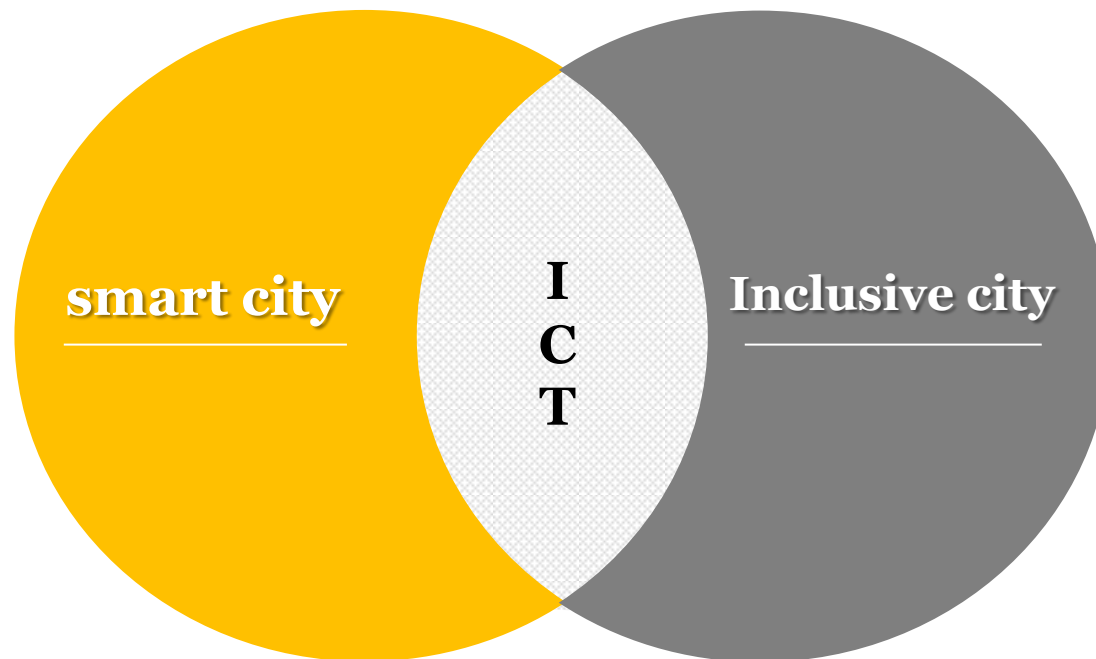
**Using the cutting edge ICT
Quick changes in all of the fields of society**

**The cutting
edge ICT**

**Increasing social polarization
vs
Increasing the conveniences of urban life
Mitigating the social polarization**

We must set up the proper policies for more citizens to participate and reap benefits from smart technologies.

Smart Inclusive City



• **Smart Inclusive City through smart technologies**

▶ **Pursuing increasing the city inclusiveness**



The social stability promoting the sustainable economic growth with man powers

① Running an Experience Center for the forth industrial revolution



- Since it was opened in 2017
- 10,213 people have visited
(as of June, 2018)
- Accommodating a variety of
chambers for coding, 3D
printing, drones, and virtual
reality(VR)
- Offering equal infra service to
all kinds of people



② City Safety with the intelligent CCTV

• The Seongdong Safety School



- Opened in 2015. 6.
- 17,000 persons completed annually



Cardiopulmonary Resuscitation



Marine Safety

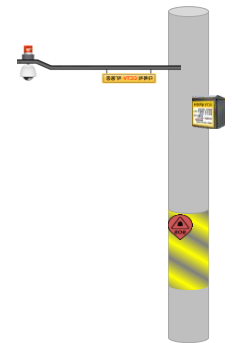


Earthquake Safety

• Intelligent CCTV Integrated Control Center



- Using the 930 intelligent CCTVs to automatically sense crimes
- Residents and students' parents' direct deciding the location and the direction of the intelligent CCTV
- Planning to set up the intelligent 1,500 CCTVs in the near future



The Safety App Service



1

성동안심귀가앱 실행



3

위험상황 발생시
SOS 요청
(스마트폰 비상버튼을
흔들거나 누르면)

5

CCTV 관제센터에서
전달받은 정보 확인하여
출동 즉시 검거



안심귀가요청



안심귀가지원



SOS 요청



상황전파 정보제공



2

CCTV 관제센터는
주변 CCTV와
사용자 위치정보를 통해
안심귀가 지원(모니터링 실시)



4

가입자 사진, 위치정보 현장
사진 등 확인, 경찰 상황전파
(지구대 출동)

③ Preventing Kid's Vehicle Accidents based on Big Data

Existing Kid's Traffic Safety Policies



Yellow Carpet



Walking School Bus



Crosswalk

• **Analyzing Big Data on the Kids Vehicle Accidents**

- **Checking 6,300 data on the Vehicle Accidents**
- **Surveying 3,342 kids and parents about the Dangerous Locations, Time, and Necessities**
- **Measures on the difference between estimated figure and survey result**

	Estimated figure	Survey result	Measures
Accident period	During the semester	During the vacation	Placing 200 Traffic Safety Guards during the vacation
Accident time	Commuting to school	After school (PM 3~7)	Placing 200 Traffic Safety Guards after school
Expanding	No	5	Placing 10 Traffic Safety Guards

④ Policies in the near Future

IoT Vibrations Monitoring

- Checking the power usage of poor household in real time
- When little or no power usage, visiting the house and check people's life condition
- Supporting people's life if necessary



IoT Project on Dealing with the Fine Dust at Primary School

- Equipping measuring instruments for fine dust nearby the primary school
- Recommending that they not go by displaying the result on the LED screen



④ Policies in the near future

Internet of Things(IoT) Vibrations Sensing Solution

- **Checking safety on the urban gas facilities, bridges, embankments with the vibration-tilt sensor**
- **When the unusual things happen, keeping them safe by not using facilities**



Senior Caring Robot (Living Lab)

- **Placing the senior caring robot at the senior center**
- **Companies acquiring the data for improvement**
- **Seondong-gu government's monitoring the seniors' safety in real time**



“蛇飲水 成毒，牛飲水 成乳”

< Principle of ‘Pursuing a Smart Inclusive City’ >

- 1 Using smart technology on the basis of inclusive value
- 2 Policies circulating in accordance with the participation and collaboration of citizen and experts
- 3 The company and government actively supporting for introducing smart technology

