



**KGID**  
**2026**  
SEJONG

# Sejong Smart City

## A Sustainable Future City

Smart City Division, Sejong City

## 01 | Sejong, Smart New Administrative Capital

Administrative Capital of Korea

## 02 | Sejong Smart City Vision (2025-2029)

Smart Sejong, a Future Strategic Capital for Happy Citizens

## 03 | Sejong National Pilot Smart City

A Platform City for Citizen Happiness

## 04 | SPC's Financial and Expenditure Structure

Reinvestment of Development Returns

## 05 | Leading District

Key District of National Pilot Smart City

## 06 | Challenges of Job-Housing Separation and Car-oriented Cities

Waste of Time, Energy, and Space

## 07 | A City Designed for Mobility Without Car Ownership

Mobility Services in the National Pilot Smart City

## 08 | Urban Transformation Through Walkability

A City Made for Walking and Environmental Restoration

## 09 | Data-Driven City with Services that Transform Daily Life

Urban Infrastructure and Lifestyle Innovation  
Services in the National Pilot Smart City

## 10 | The Future Urban Model Envisioned by Sejong Smart City

Korea's Future Urban Model

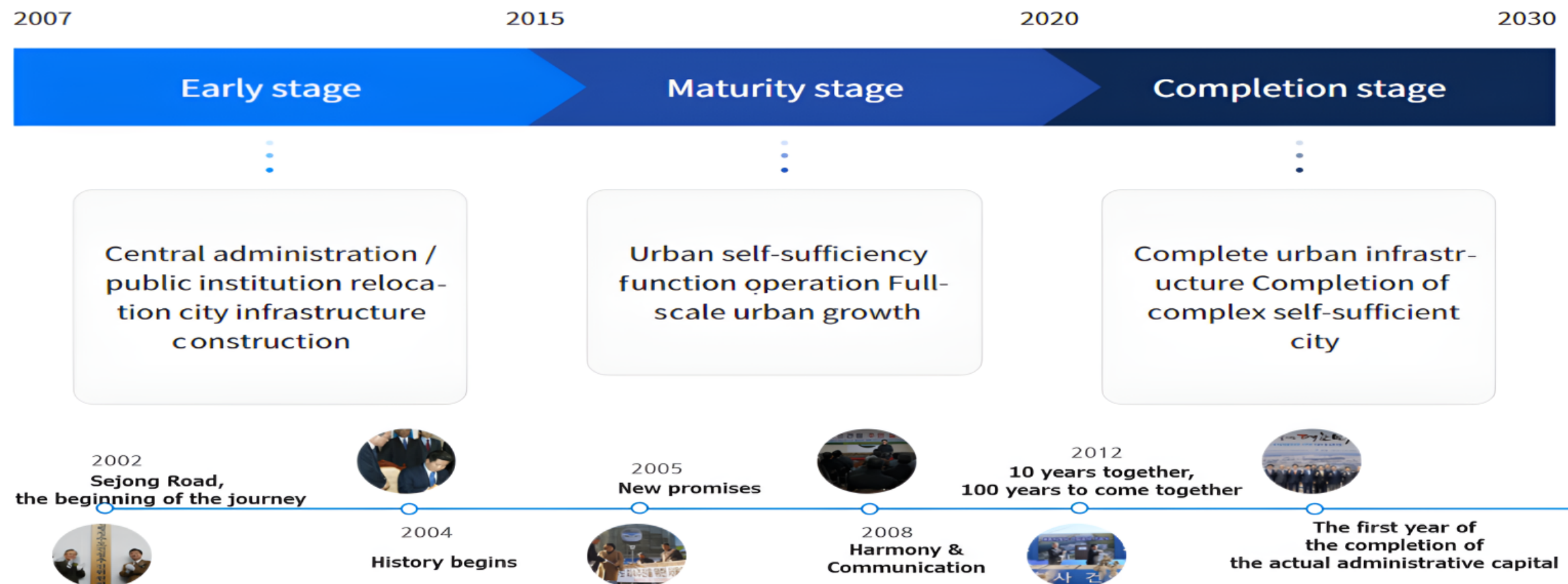
# 1. Sejong, Smart New Administrative Capital

## The Plan of the Administrative City

City Size	Population	500,000 people	A comfortable , medium-low-density new city
	Development Area	66 to 83 Million m <sup>2</sup>	
Construction Period	Phased development until 2030		
Construction Cost	A total of 45.6 trillion won is expected to be spent. (Total cost of 11.3 trillion won is planned to be used for transportation facilities, public facility construction, etc.)		

Source: Administrative City Construction Agency . 2017. p.70

## Administrative Complex City Promotion Process



# 2. Sejong Smart City Vision (2025-2029)

Vision

## Smart Sejong, a Future Strategic Capital for Happy Citizens

Strategic Map



Obj.

<b>Sejong-type MaaS cutting edge mobility city</b>	<b>An inclusive, safe city where safety becomes a daily life</b>	<b>A cultural leisure city with a museum and garden</b>	<b>Carbon neutrality-oriented sustainable ecological city</b>	<b>AI intelligent city based on urban data convergence</b>
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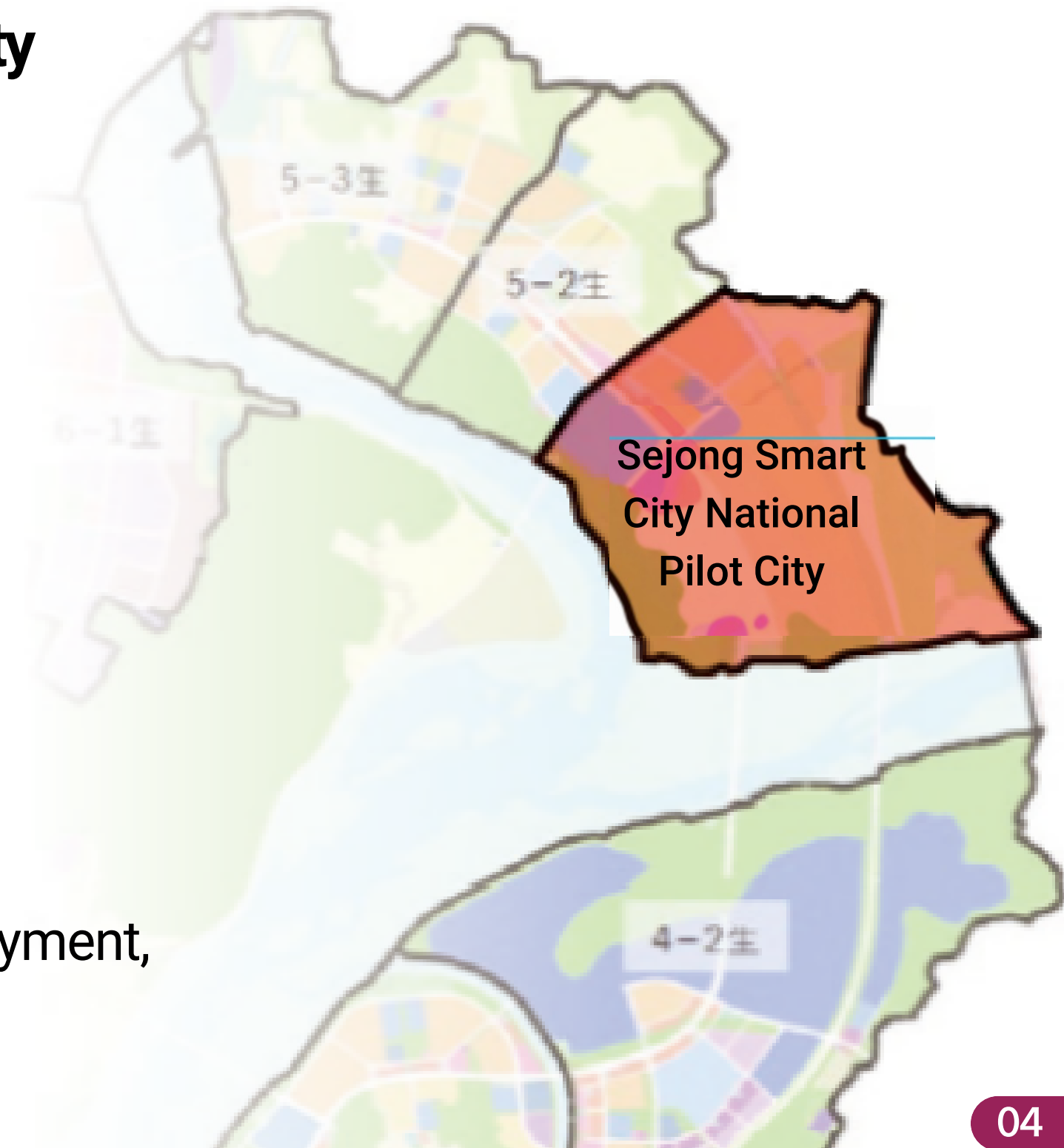
<ul style="list-style-type: none"> <li>✓ Establishing diverse and flexible smart public transportation systems</li> <li>✓ Bridging traffic gaps between regions</li> <li>✓ Improving convenience based on real-time parking information</li> </ul>	<ul style="list-style-type: none"> <li>✓ Strengthening two-way communication with citizens</li> <li>✓ Increasing citizens' satisfaction</li> <li>✓ Enhancing AI-based emergency sensing, judgment, and response</li> </ul>	<ul style="list-style-type: none"> <li>✓ Creating Sejong smart garden city</li> <li>✓ Smart Future Museum</li> <li>✓ Boosting life cycle vitality</li> </ul>	<ul style="list-style-type: none"> <li>✓ Composing carbon-neutral foundation</li> <li>✓ Creating a pleasant air environment</li> <li>✓ Stenghtening digital agriculture based on renewable energy</li> </ul>	<ul style="list-style-type: none"> <li>✓ Enhancing real-time urban data collection</li> <li>✓ Creating a data integration utilization system</li> <li>✓ Applying and personalizing the user experience</li> </ul>
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# 3. Sejong National Pilot Smart City

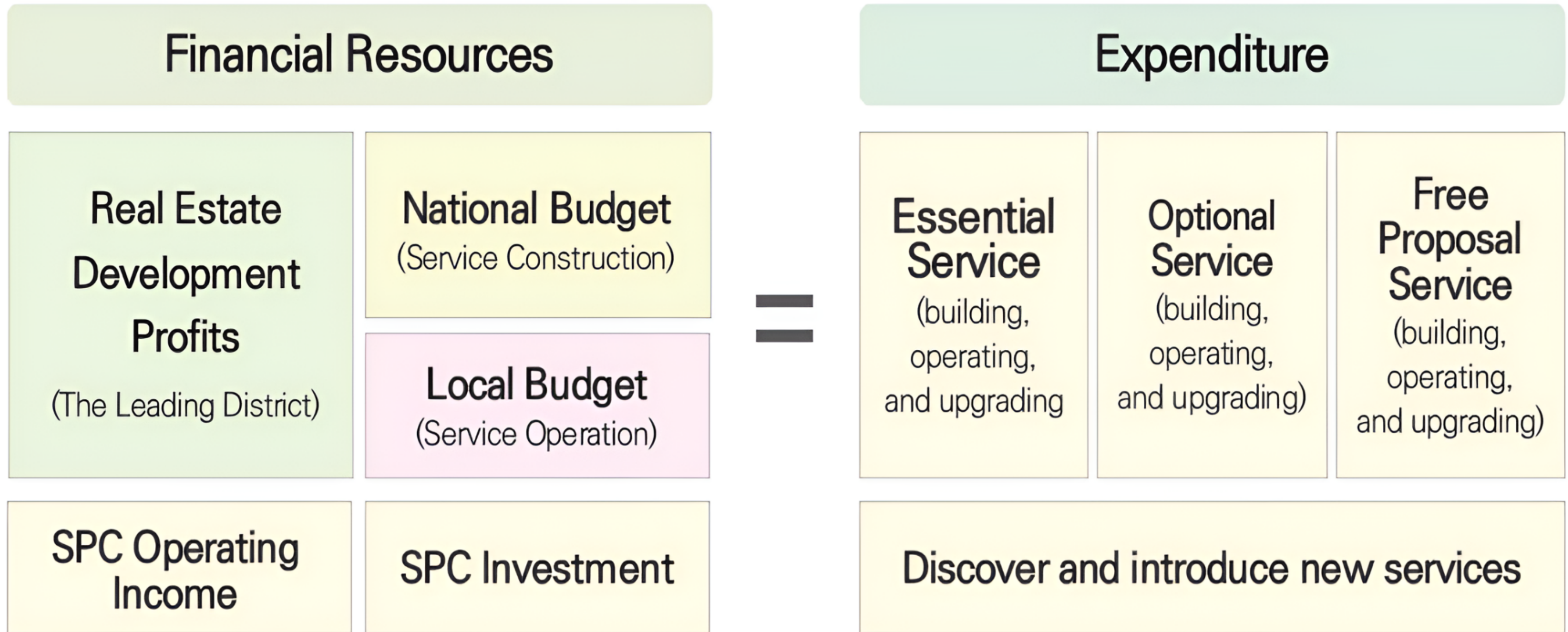


**A city as a platform that turns urban phenomena into data and uses AI to enhance citizens' quality of life, happiness, and sustainability**

- Location** Hapgang-dong, Sejong City (Living Area 5-1)
- Area** 2,714,000 m<sup>2</sup>
- Development Plan** Leading District(SPC) + Other areas(LH)
- Total Project Cost** Approx. KRW 3.1 trillion (Public & Private)
- Planned Population** 24,000 (approx. 10,000 households)
- 7 Key Innovation Areas** Mobility, Healthcare, Education & Employment, Energy & Environment, Governance, Culture & Shopping, Lifestyle&Safety



# 4. SPC's Financial and Expenditure Structure



Source: Ministry of Land, Infrastructure and Transport. 2020. p.12

# 5. Leading District

**A hub for delivering smart services through functional specialization and generating citywide synergies**

- Area** 340,000 m<sup>2</sup>
- Project Developer** SPC(Special Purpose Company)
- Smart Services** Deployment of 21 Mobility, Urban Infrastructure, and Lifestyle Innovation Services
- Development Plan** Smart Living Zone & Innovation Venture Startup Zone

## Smart Living Zone

An advanced residential complex providing smart technologies through the integration of diverse data

## Innovation Venture Startup Zone

A pedestrian-oriented city with a concentration of smart technologies and innovative elements



## Waste of Time

- Average commuting time : 2 hours
- Long-distance commuting reduces quality of life and productivity



## Waste of Energy

- Using a 700 kg car to transport a 70 kg person
- Excessive energy consumption causes greenhouse gas emissions



## Waste of Space

- A significant waste of land for parking
- Cars are parked about 96% of the time



# 7. A City Designed for Mobility Without Car Ownership

## Mobility Services



### Development of Integrated Mobility Services

PM, Vehicle Sharing, and Integration with autonomous public transportation systems



### Smart Pedestrian Safety Infrastructure

Safe and efficient pedestrian environment through smart crosswalks and road surface markings



### AI-Based Traffic Flow Optimization

Reduction in congestion and travel time through AI-powered signal control



### Eco-Friendly Mobility Environment

Reduction in greenhouse gas emissions and improvement in energy efficiency through electric mobility

Pedestrian- and mobility-centered street environment



Providing the same level of mobility without owning a private car



# 8. Urban Transformation Through Walkability

## A City Made for Walking



▲60%

**Increase in creativity while walking**

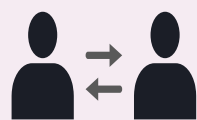
Oppezzo, M., & Schwartz, D. L., Stanford University (2014)



▲80%

**Higher trust and participation than in car-dependent cities**

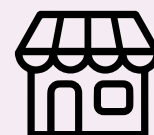
Leyden, K. M., National University of Ireland (2003)



▲40%

**Increase in commercial activity in walkable cities compared to conventional cities**

NYC DOT, Union Square North, Manhattan (2012)



▼49%

**Lower commercial vacancy rate in walkable cities than in conventional cities**

NYC DOT, Union Square North, Manhattan (2012)

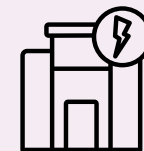
## A City for Environmental Restoration



▼72%

**Reduction in greenhouse gas emissions through improved energy efficiency**

UN Sustainable Energy for All(2015)



▼14%

**Reduction in electricity consumption across buildings and industry**

UN Sustainable Energy for All(2015)



24%

**CO<sub>2</sub> emissions from private vehicles**

Adapted from The Guardian (2017)



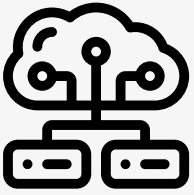

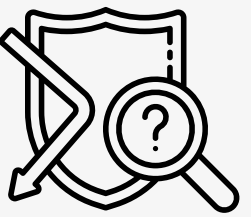
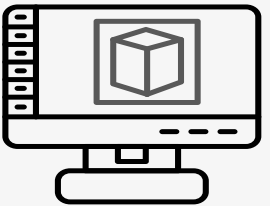
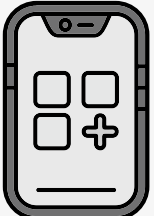

▲10x

**Increase in energy directly produced by private companies by 2030, compared to 2016**


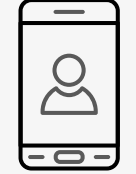
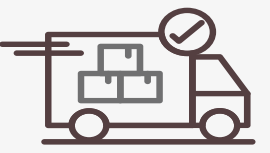





Annual Meeting of the Global Future Councils(2016)

# 9. Data-Driven City with Services that Transform Daily Life

## Urban Infrastructure Services

 AI Data Hub	 Smart IoT
 Cybersecurity	 Digital Twin
 Citizen Integrated App	 Integrated Information Center

## Lifestyle Innovation Services

 Personalized Healthcare	 Contactless Personalized Services
 Smart Integrated Delivery Services	 Smart Home Services
 Urban Smart Farming	 Development of Multi-Cultural Spaces
 Integrated Media Services	 Future Finance Services

AI-based urban data collection and analysis



Improved city operations, personalized services, and new service development

Cutting-Edge Technologies for Residential and Work Spaces



Services that enhance quality of life through tangible user benefits

## 10. The Future Urban Model Envisioned by Sejong Smart City

“ Sejong Smart City is not just a collection of technologies, but a future urban model for Korea that enhances citizens' well-being and urban sustainability. ”



**Thank you**