

Building City Innovation Platforms: based on the **DAEGU SMART CITY**

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01 Geographic Characteristics of DAEGU

885
km²

Area

247
million

Population

40 minutes from Incheon Intl. Airport
99 minutes from Seoul with KTX

Accessibility

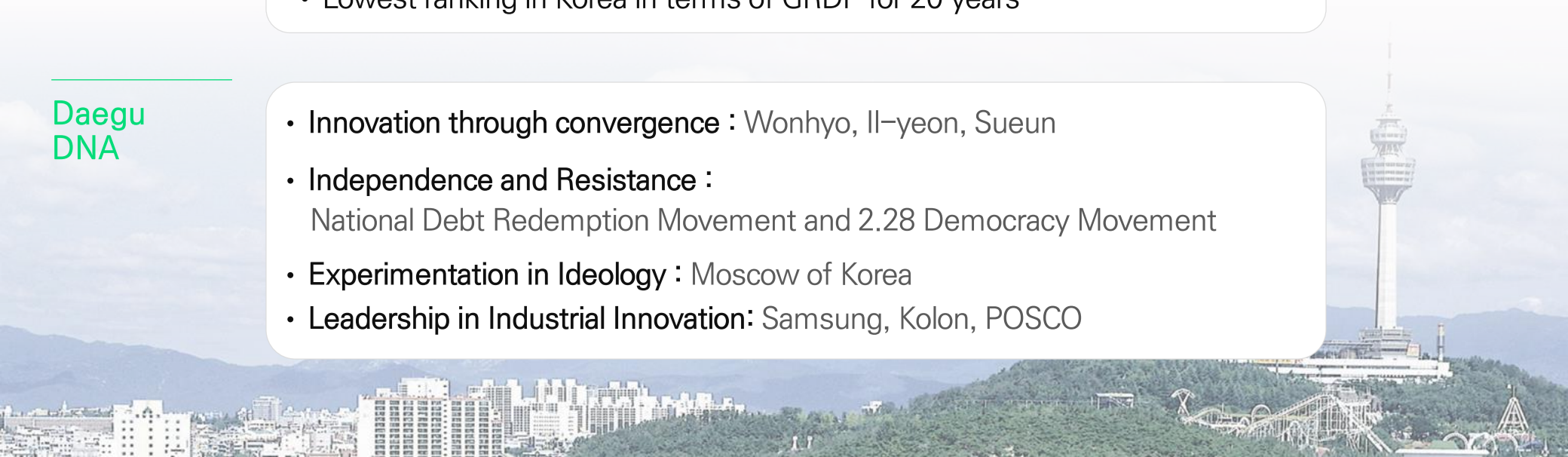


Industry

- 19% manufacturing, automobile components, textile, IT
- Water, energy, medical, robotics, future automobile as future growth drivers
- Lowest ranking in Korea in terms of GRDP for 20 years

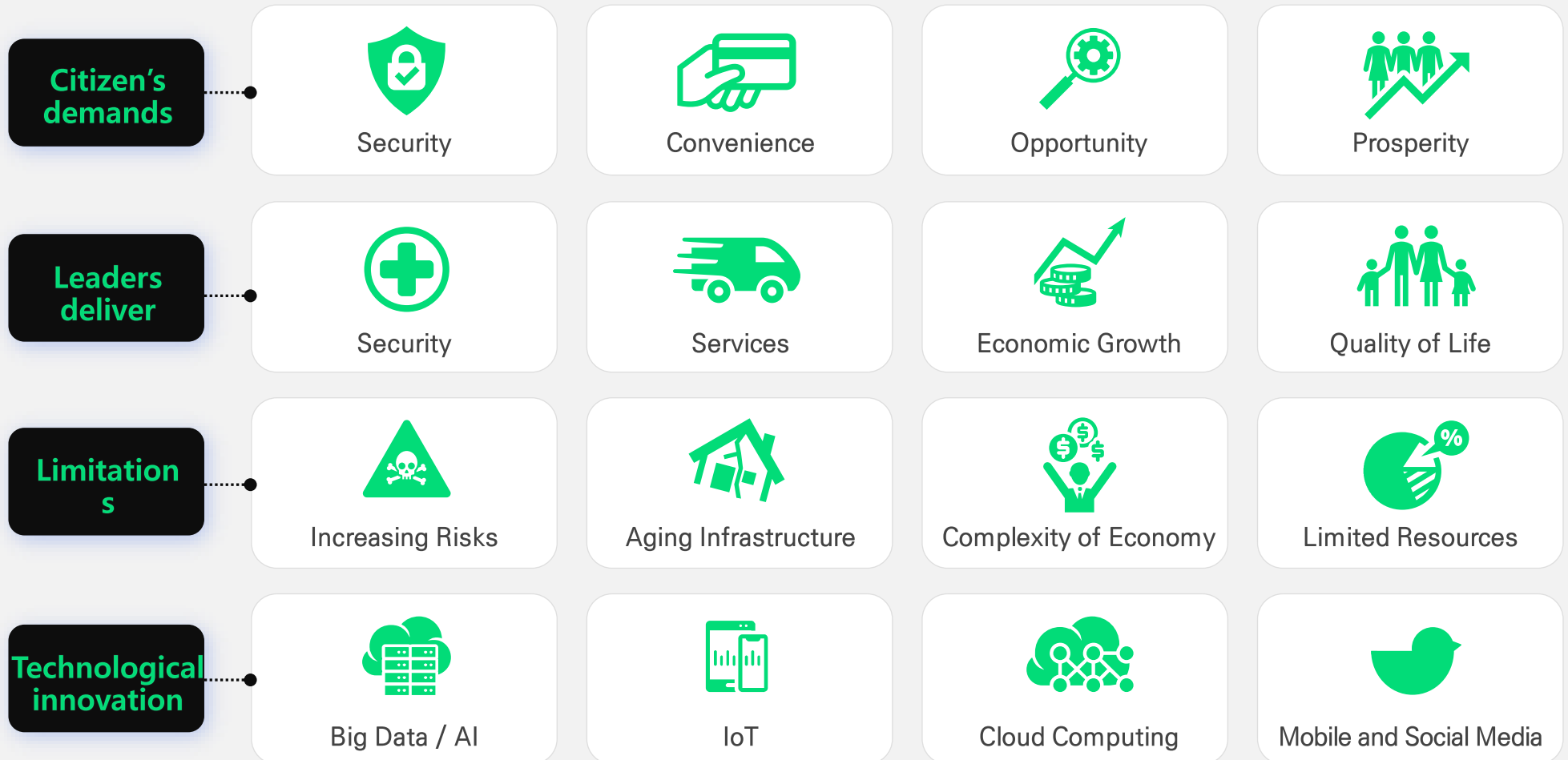
Daegu DNA

- Innovation through convergence : Wonhyo, Il-yeon, Sueun
- Independence and Resistance :
National Debt Redemption Movement and 2.28 Democracy Movement
- Experimentation in Ideology : Moscow of Korea
- Leadership in Industrial Innovation: Samsung, Kolon, POSCO



02 Demands of Contemporary Cities

Cities must satisfy the demands of the citizens using limited resources and budget



03 DAEGU Suggests

Smart City

Intelligent high-tech city fostering industry



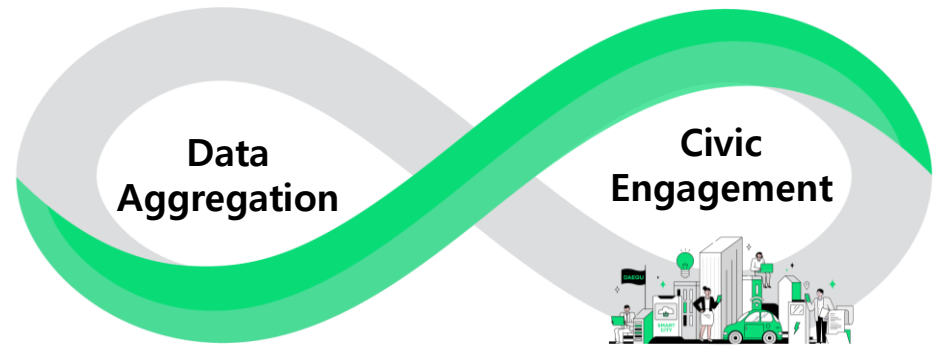
- A city with high-tech solutions that solve urban problems and operations
(European Commission, 2012)

- Emergence of cutting-edge technology allows the city's components to become instrumentalized, interconnected, and ultimately intelligent
(IBM, 2016)



Living Labs

Citizen happiness through solving urban problems



(Social, Uni., Alley, Smart) Living Lab

City Innovation Platform

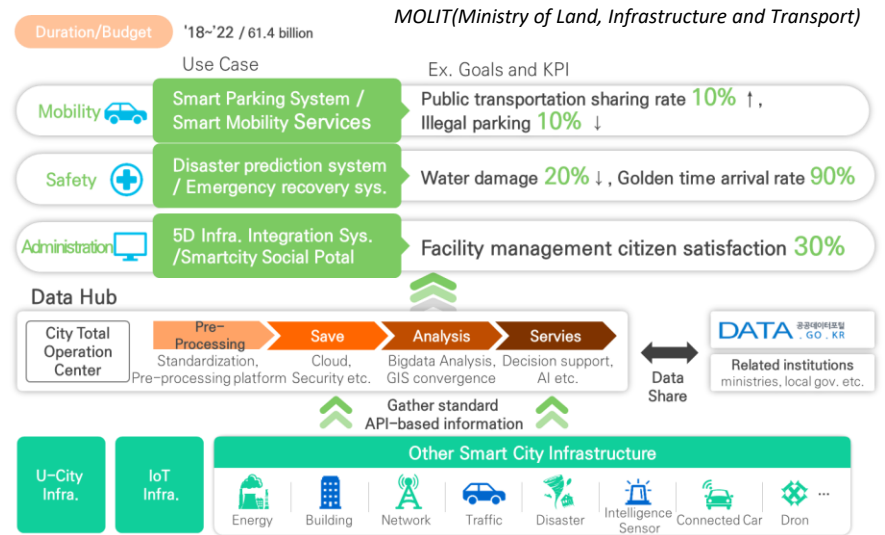
Civic Engagement Data

04 Smart city for industrial Growth

Daegu Smart City Vision & Strategy (Test Bed and PPP model)



National Demonstration City (National Innovation Engine by MOLIT)



Achievements

- Establishment of Daegu Smart City Model : Living Lab & Citizen Participation-Based Urban Problem Solving
 - * Urban problem discovery team and fostering citizen scientists
 - * Spread to other cities with SW-based social-problem solving tools.
- Participation of local companies in R&D Projects (50% ↑)
- Cross-validation & Exporting products abroad (Amsterdam, etc.)



Urban Problem Discovery Team



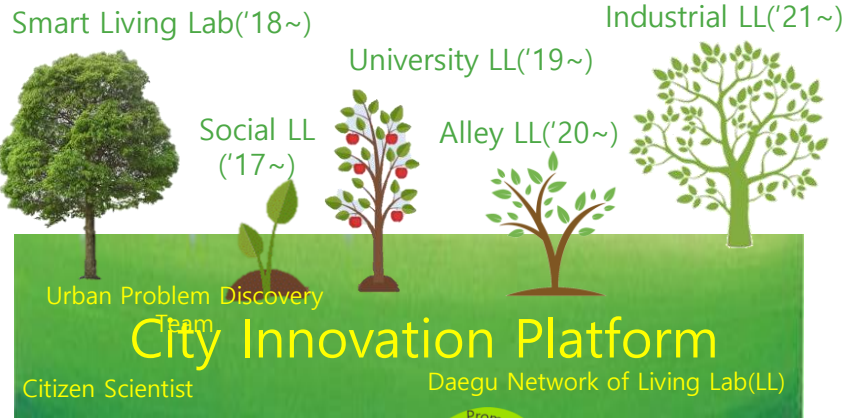
Smart City Expo (Barcelona)



Cross Validation (Amsterdam)

05 Smart city for Citizen Happiness

Support for service development with high efficacy
Social value, sustainability, creativity, distribution



Living Lab (real-life setting)

- The process of solving various social, economic, and technological problems in cities, and the effectiveness of new products in companies, as if they were experimenting in a laboratory, with various stakeholders in the fields.



Achievements

- Corporates: Support developing new products/services (economic value)
- Cities and Citizens: Civic Participation Solving Urban Problems (Social Value)



Water remote metering System for the elderly living alone



Diabetes treatment (Nullsulin)



Functional pharmaceutical material (Aromate)



Fine dust absorption wall



Citizen Training & Citizenship Expansion



Youth Safe Return Service



Daegu Network of Living Lab



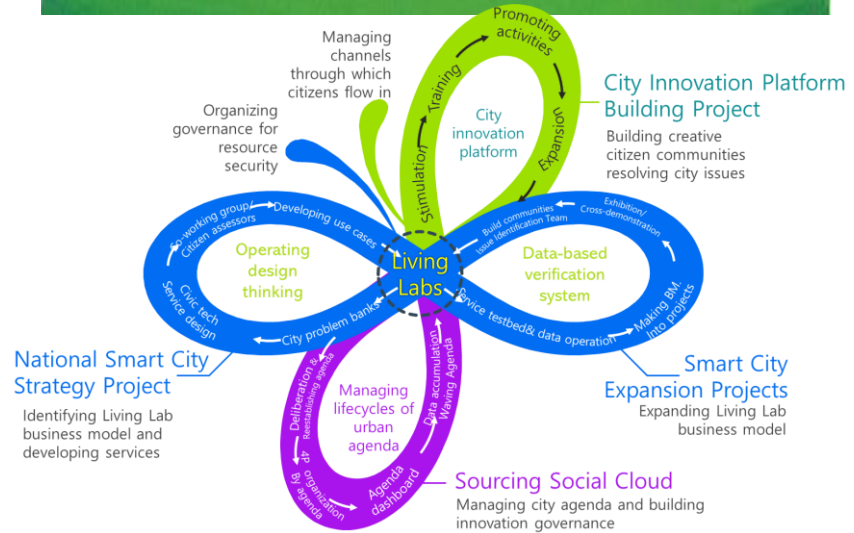
Mass production of technology companies for solving social problems



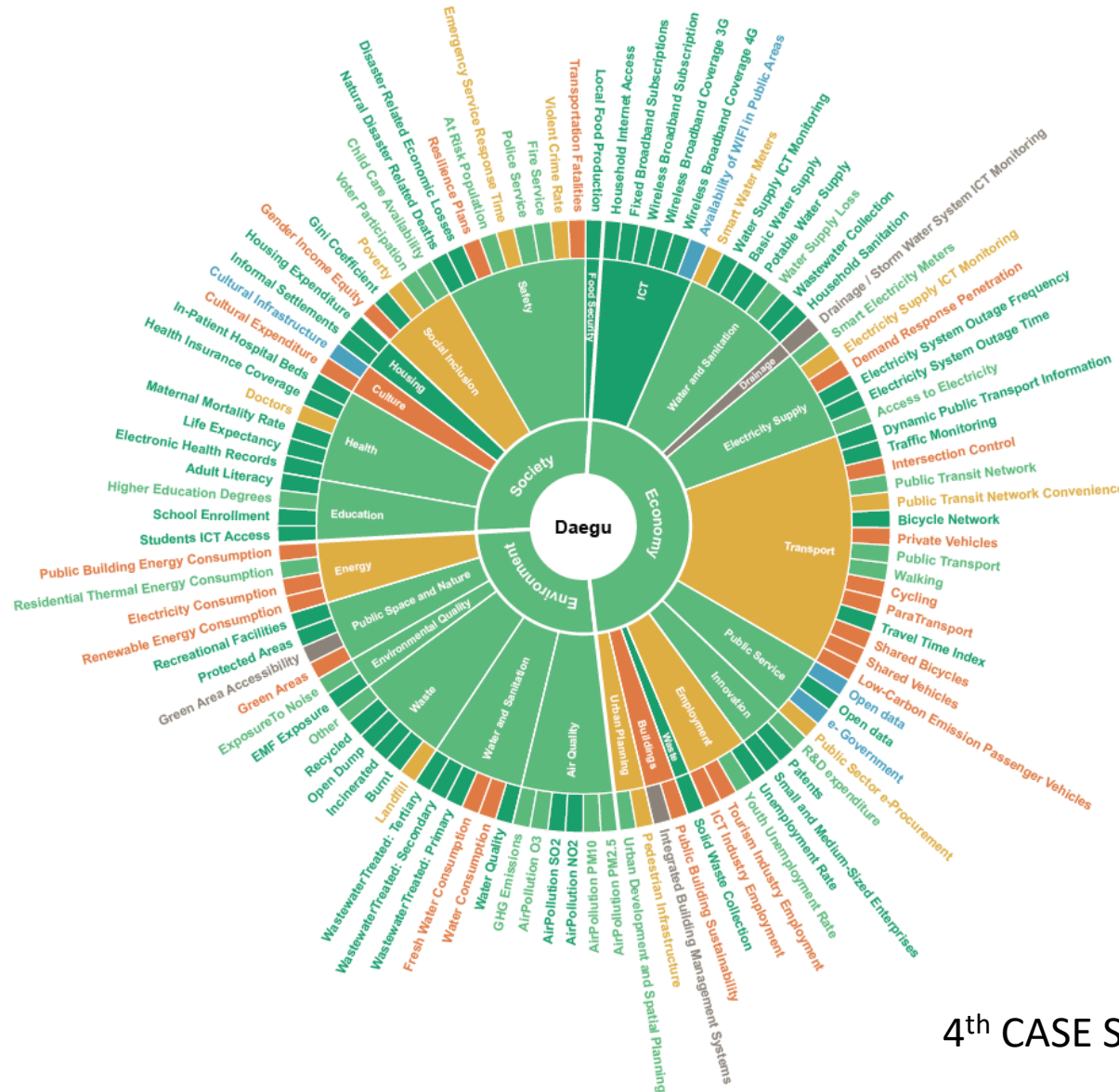
Prevention of unauthorized waste disposal



ENoLL membership acquisition



06 Snapshot of Daegu Smart City



- 48** ■ 95+ % of Target
- 22** ■ 66 - 95 % of Target
- 10** ■ 33 - 66 % of Target
- 21** ■ Less than 33 % of Target
- 3** ■ No Data or No Target
- 4** ■ Data Reported - No Targets Yet Available

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DAEGU

the Open City of river,
the Sustainable & Resilient City

Pleasant winds of change!

Self Organizing System for City Problem Solutions

