

Ecomobility, lever of Urban Innovation For Sustainable City

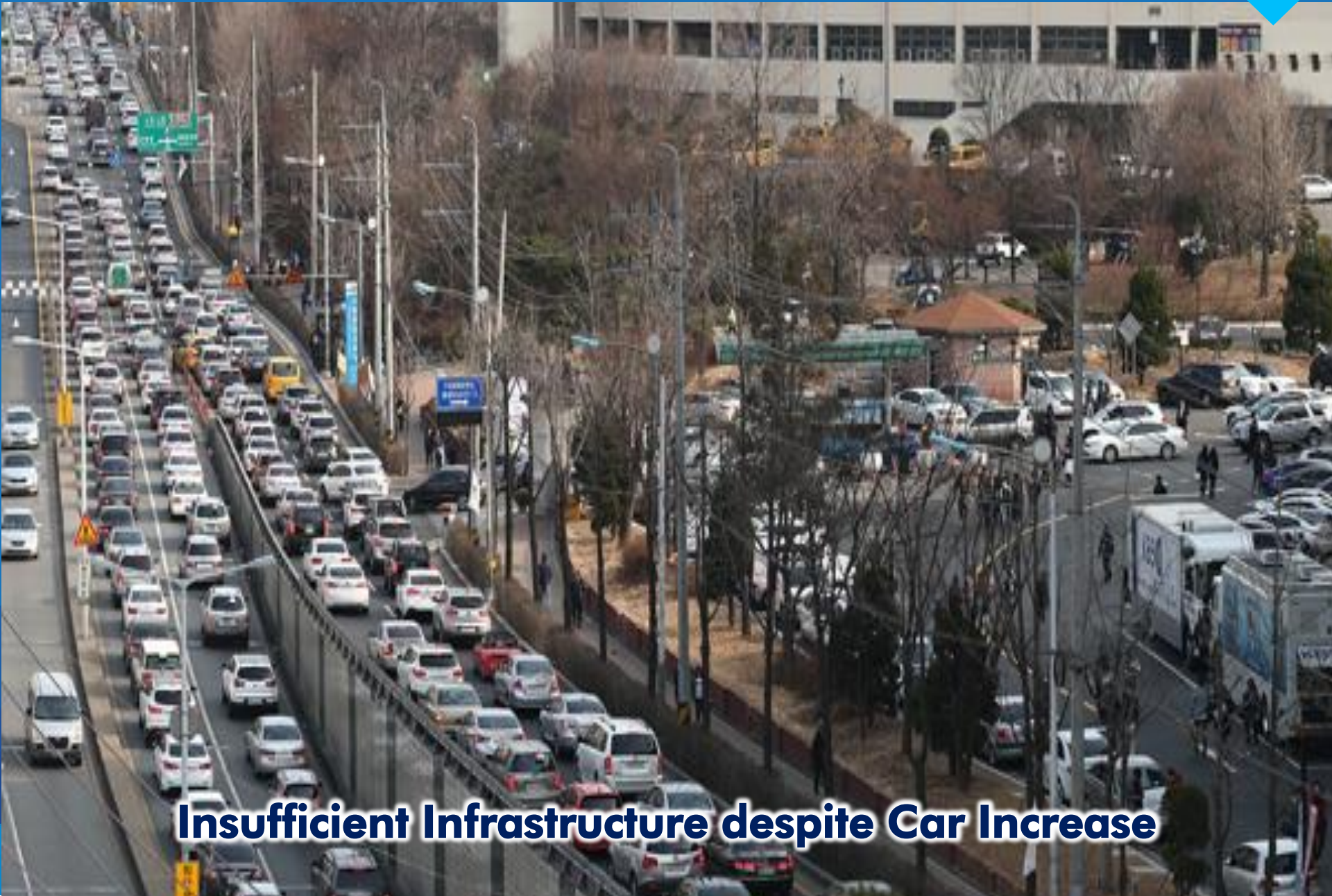


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**UNESCO Heritage "Hwaseong Fortress"
Global IT company "Samsung Electronics"**

Reason to Start EcoMobility Festival 1



Insufficient Infrastructure despite Car Increase

Reason to Start EcoMobility Festival 2

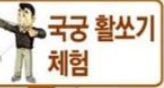


Rapid Deterioration of Old City Area

Challenge : Experiment of future urban life in the rundown historical town



- 대표소(8개소)
- 주차장(4개소)
- 관광안내소(8개소)
- 화장실(13개소)
- 매점(6개소)
- 화성열차 승차장(2곳)
- 화성열차 중간하차장(2곳)
- 숙박시설(1개소)



Suwon's Urban Innovation by promoting the Ecomobility

Population and cars increase

Old downtown slumism

Deterioration of transportation environment

Worsening of ecological system



Urban innovation Method

- Reorganization of public transportation
- Car free Road
- introducing Tram system
- Dissemination of Low carbon cars



Reinforcement of transportation equity



Promoting the urban restoration



Experiment of future transportation



Climate change Response

Launch of citizen support group for ecomobility festival

(Feb. 2013)



98% of Residents participated through participatory governance

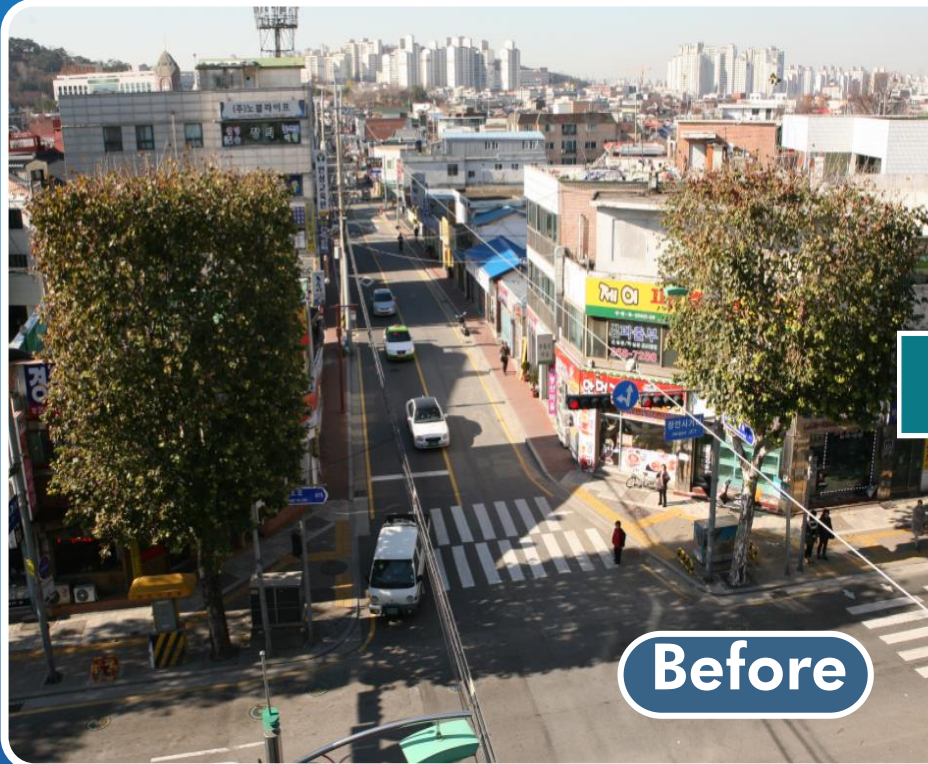
Urban change by promoting the Ecomobility-1

After



Urban Regeneration Project

Urban change by promoting the Ecomobility-1



Urban change by promoting the Ecomobility-2

After

Changed to Pedestrian-Friendly Streets



Urban change by promoting the Ecomobility-2



Urban change by promoting the Ecomobility-3

After



Creation of Small Open Garden

Urban change by promoting the Ecomobility-3



Urban change by promoting the Ecomobility-4

After



Renovation of Old Sign Boards

Urban change by promoting the Ecomobility-4



Urban change by promoting the Ecomobility-5

After



Empty Lot Changed to Garden

Urban change by promoting the Ecomobility-5



Urban change by promoting the Ecomobility-6

After



Created gardens for residents to take a rest

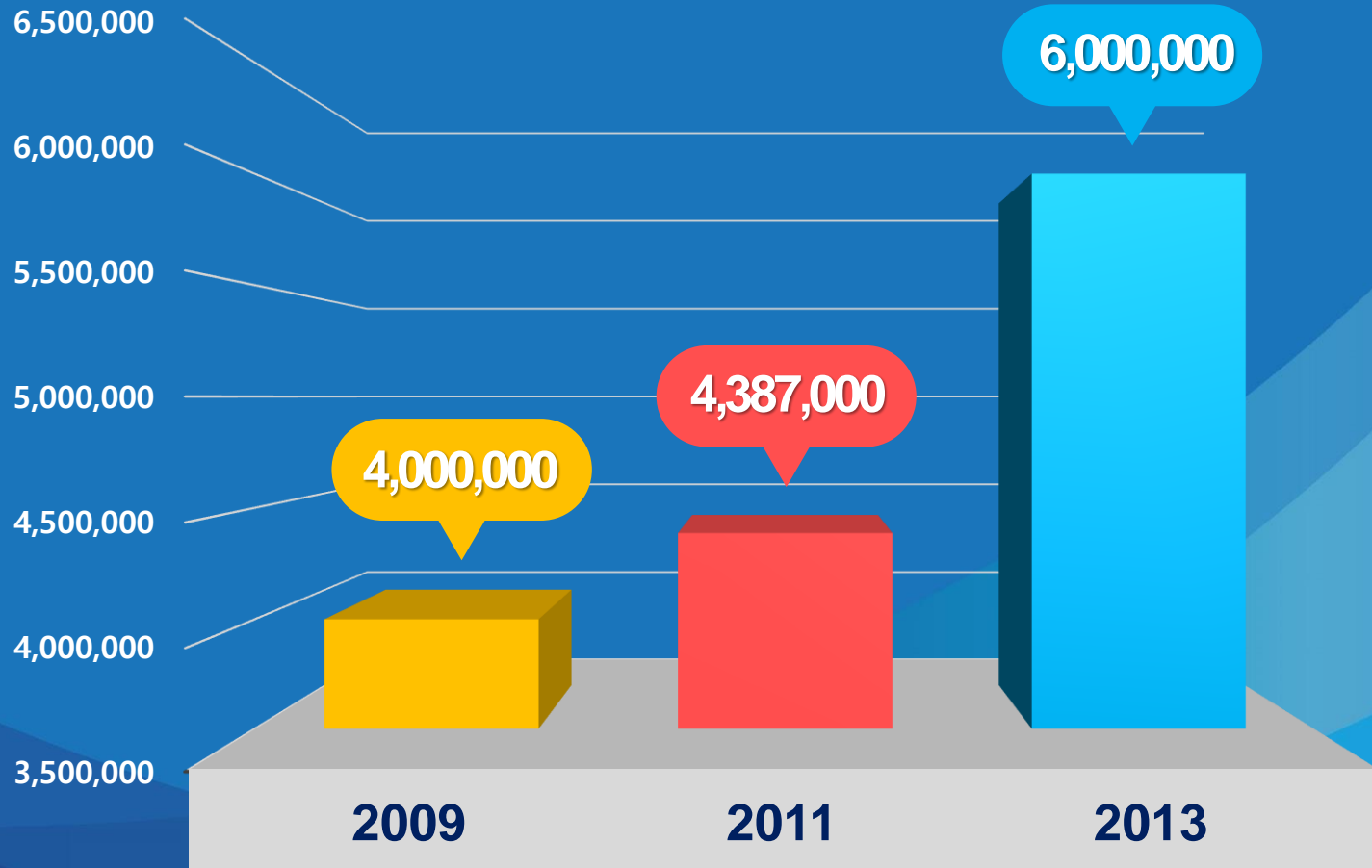
Urban change by promoting the Ecomobility-6



Result: Growth of tourist arrivals



Growth of tourist arrivals



Result: Improvement in resident's satisfaction



Resident's satisfaction

Walking conditions satisfaction

13.4% increase

60.5%

Atmosphere satisfaction

7.0% increase

49.4%

Noise level Satisfaction

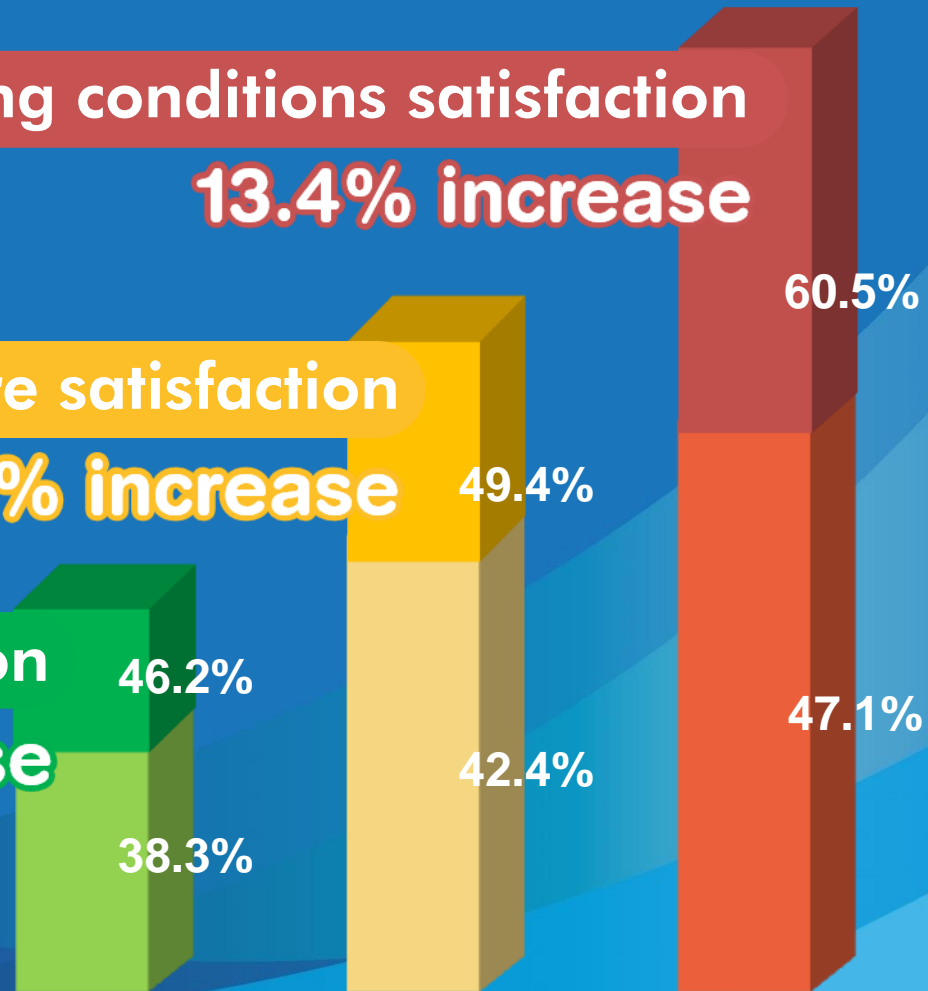
7.9% increase

46.2%

38.3%

42.4%

47.1%



Result: Environmental, economic benefits

Reduction of CO₂ emissions



190 tons of co₂ emissions per month by 2200 households (equivalent to planting 470,000 pine trees)

Economic benefit



Approx. 90million dollars of economic benefit (equivalent to creating 1,500 jobs)

Result: Increase of Car-free area



11 Districts, 70 thousands citizens Participation(2017)
13 Districts Expansion Plan by 2018



Result: Low-Carbon cars



Electric Car

300 cars(as of 2017), Supply 1,000 cars by 2018



Hybrid Car

3,600cars(as of 2016), Supply 5,100 cars by 2018

Establishment of Bike-Sharing System

Operating in major sightseeing spot
where many citizens visit

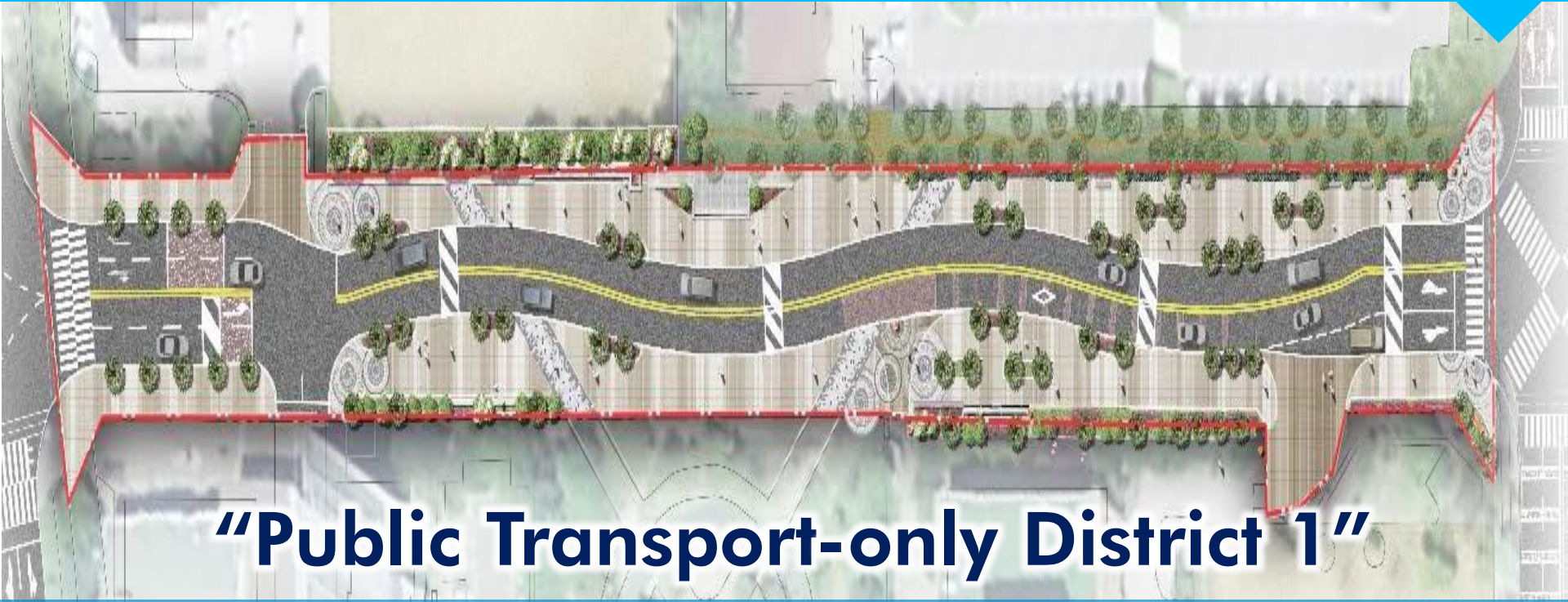


Smart shared bike system



5,000 bikes operation(Present)
10,000 bikes by 2018

Result: Districts dedicated to public transport



Before and After Road Section drawing



Road Diet through Car-free Streets

Before



Road Diet through Car-free Streets

After



Youth street by reducing car roads & expanding pedestrian-friendly roads

Introduce Urban rail transit , Tram Plan

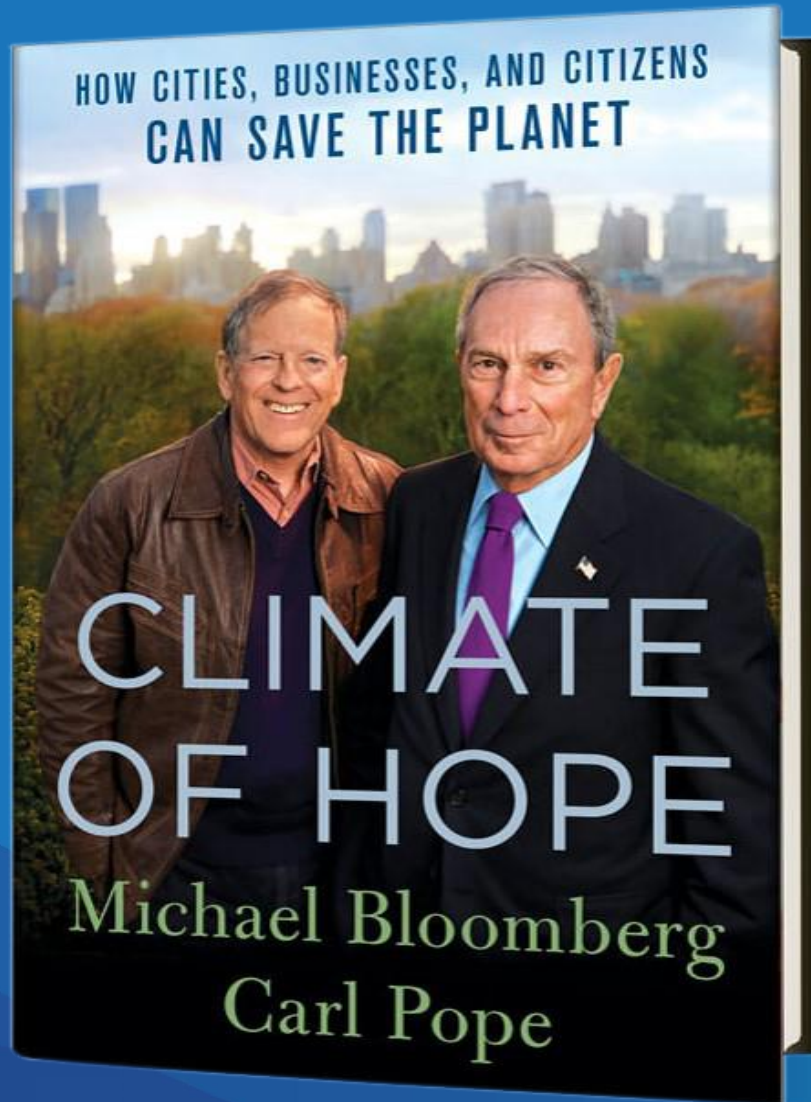


Suwon(2013)

: Ecomobility + Urban regeneration (Contribution to the Compact City)



Innovation in creating climate change solutions



Dear. Mayor Yeom

Climate of HOPE highlights several cities, including your city, exemplifying leadership and innovation in creating climate change solutions.

Michael Bloomberg (The Former Mayor of New York City)

2015 Johannesburg EcoMobility World Festival II



2015 Johannesburg EcoMobility World Festival II



2017 Kaohsiung EcoMobility World Festival III



2017 Kaohsiung EcoMobility World Festival III



Best Wishes to the Success of Kaohsiung EcoMobility Festival by Suwon Citizens



Thank You



**Suwon's Ecomobility Model
a New Paradigm for Urban Transport**