

EcoMobility, as a means of **Urban Innovation** for **Low Carbon Sustainable City Suwon**



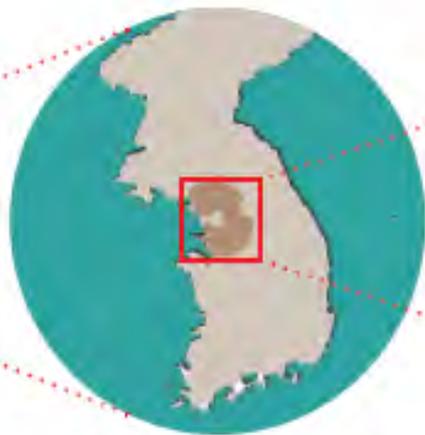


**UNESCO Heritage "Hwaseong Fortress"
Global IT company "Samsung Electronics"**

Basic Status of the city of Suwon



Republic of Korea



Kyeonggi Province



Suwon City



Population
1,231,362 residents



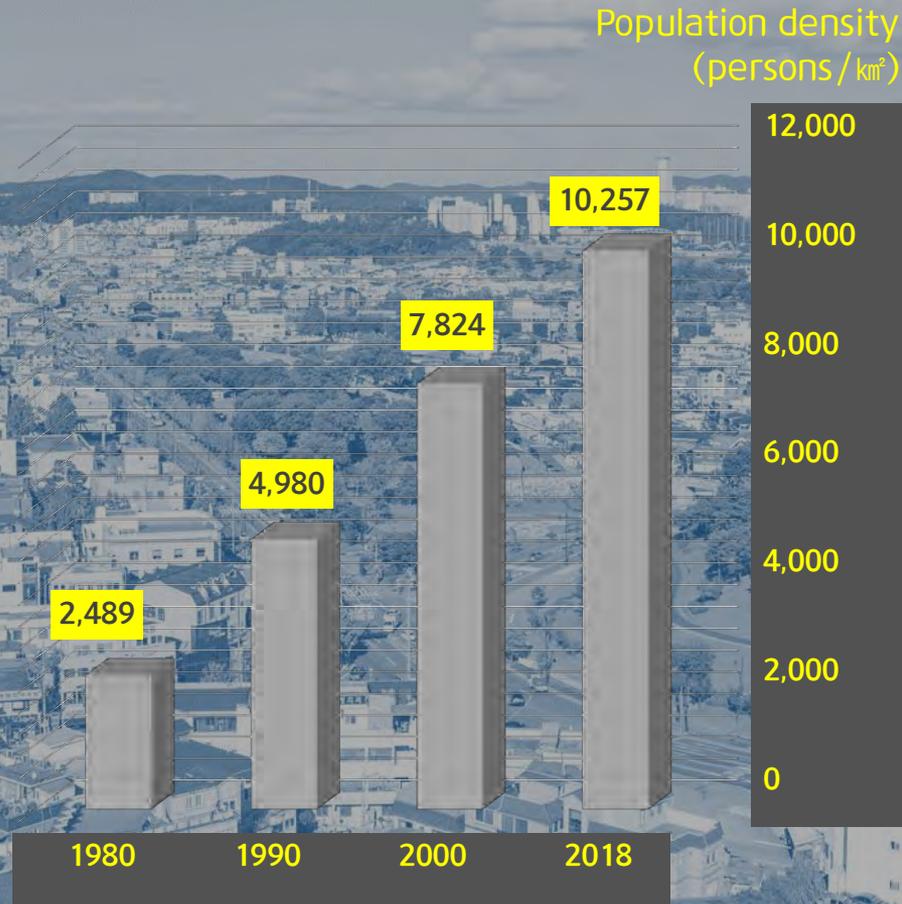
Finance
2,405.4 billion won



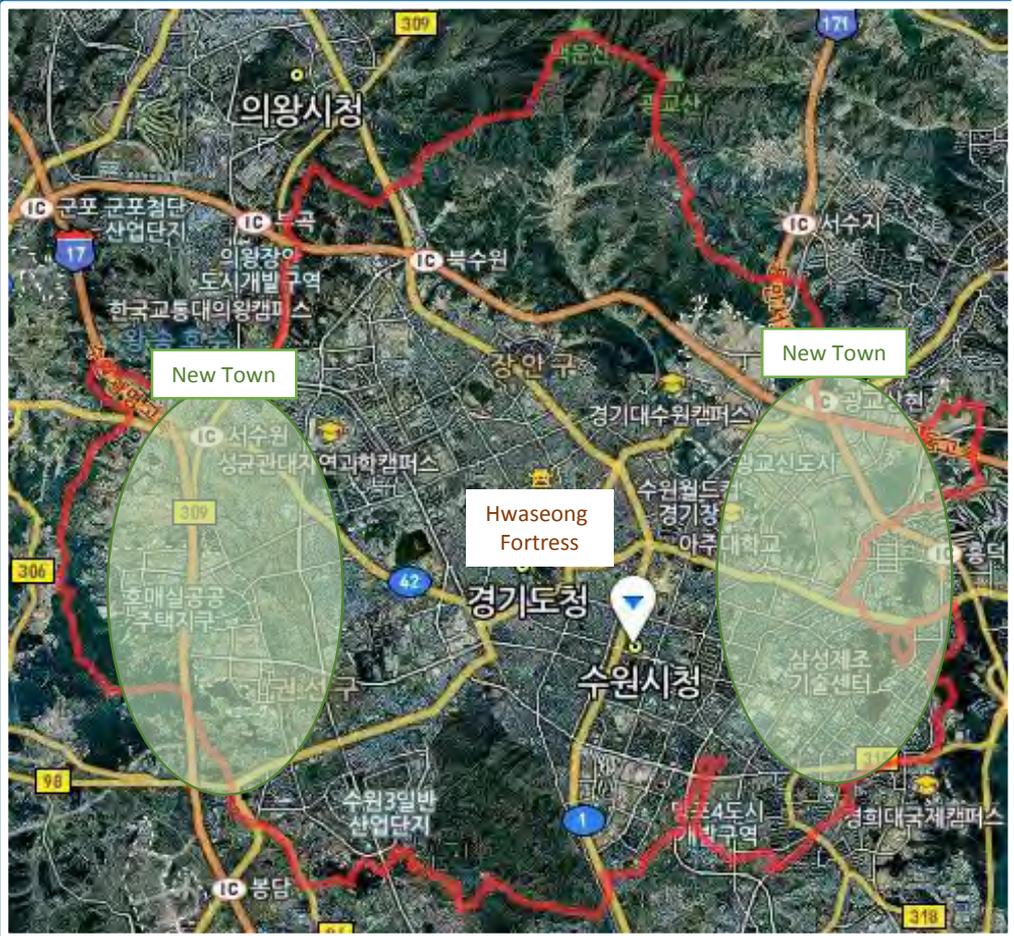
Area
121.1km²

Fast Growth of the City Caused High Population

* Population density increase rate of Suwon



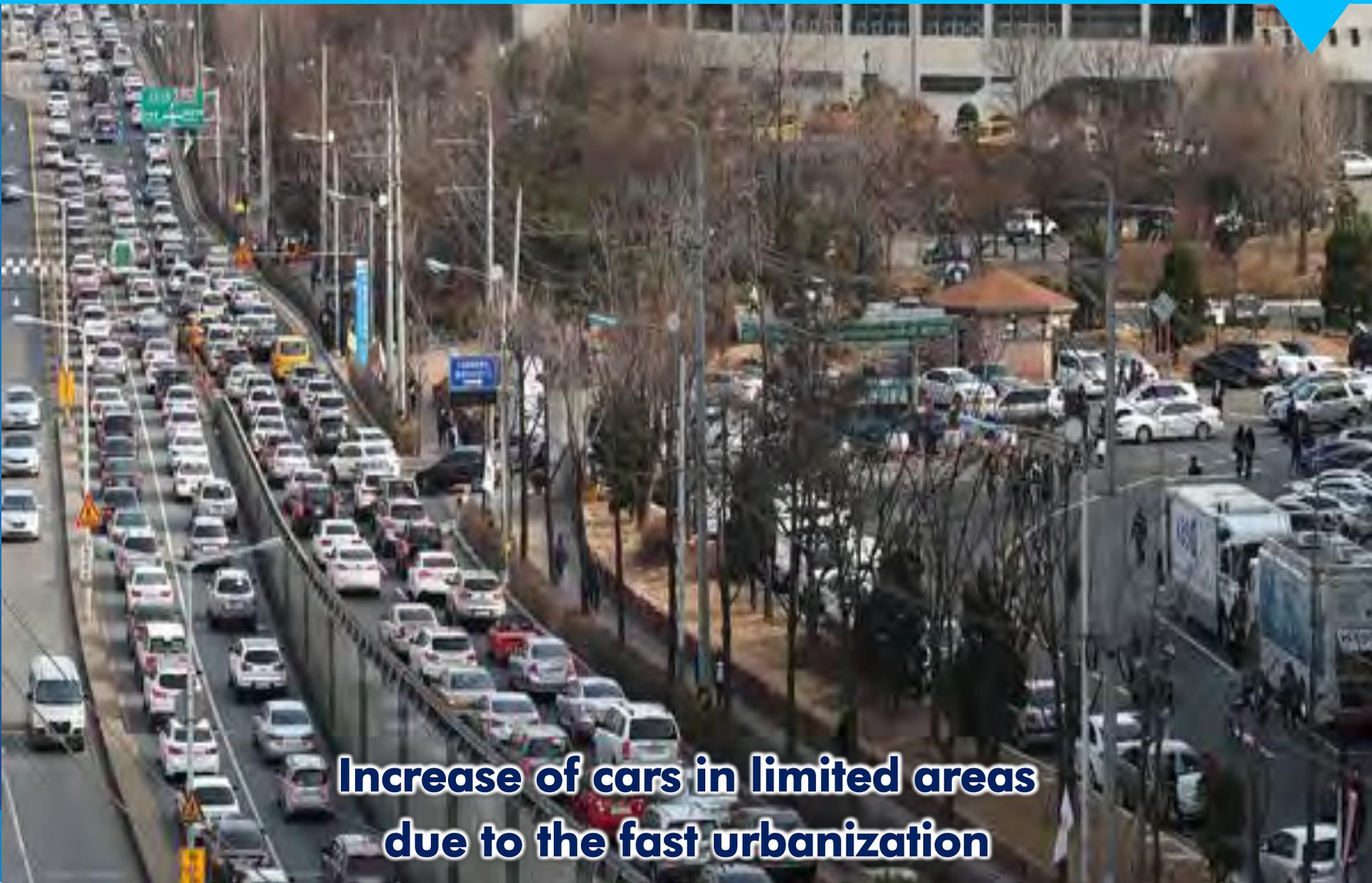
We Built New Towns for Increased Population



New towns were built far from old historical site near Hwaseong Fortress

[Source: Daum map, www.gico.or.kr]

But, Fast Urbanization Induced Heavy Traffic



**Increase of cars in limited areas
due to the fast urbanization**

Moreover, Unbalanced Development Caused Severe Depression in Old Town



Rapid deterioration of old town

Challenge : Experiment of Future Life in the Rundown Historical Town



What is EcoMobility Suwon? 

The world's first project where residents in the EcoMobility village used **non-motorized transportation** without using their cars for **a month**

Infra-Structure Renovation for EcoMobility

EcoMobility Environment Creation

Streets & Alley-roads

Community Building Project

Public Space Creation

Old - downtown Regeneration Project

Housing, Urban Gardening

Cityscape Improvement Project

Signboard Replacement

Some Residents' Strongly Opposed



Reason: No car-free roads in front of my house and store!

Citizen Support Group Launched for EcoMobility Project

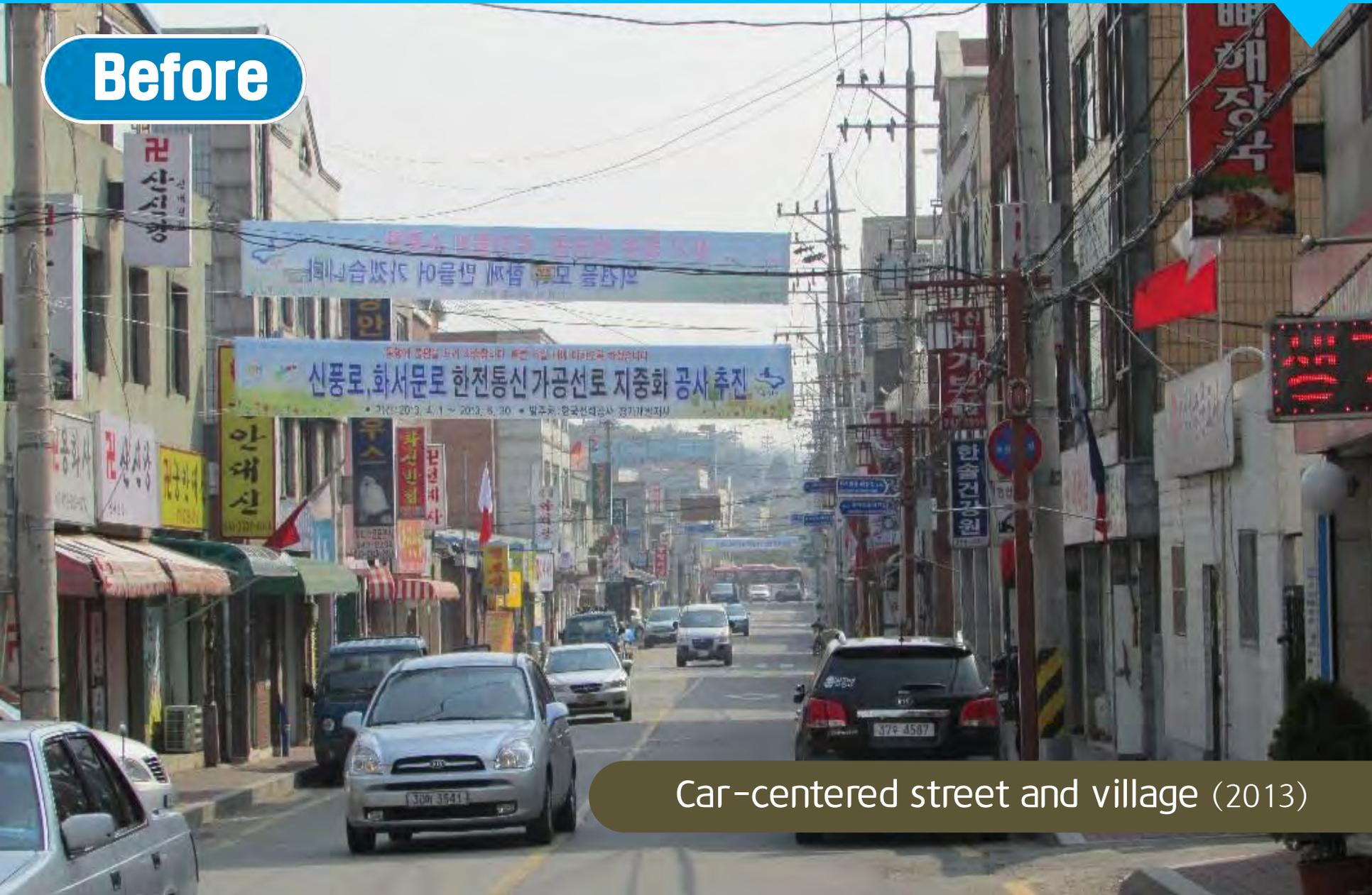
(Feb. 2013)



98% of residents participated through participatory governance

Main Street Improvement

Before



Car-centered street and village (2013)

Main Street Improvement

After



People-centered street and village (2013)

Dirty and Empty Space Turned to Neighborhood Garden



Old Signboards and Walls Renovated New



Before

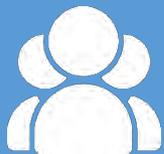


After

Derelict Spots Turned to Garden

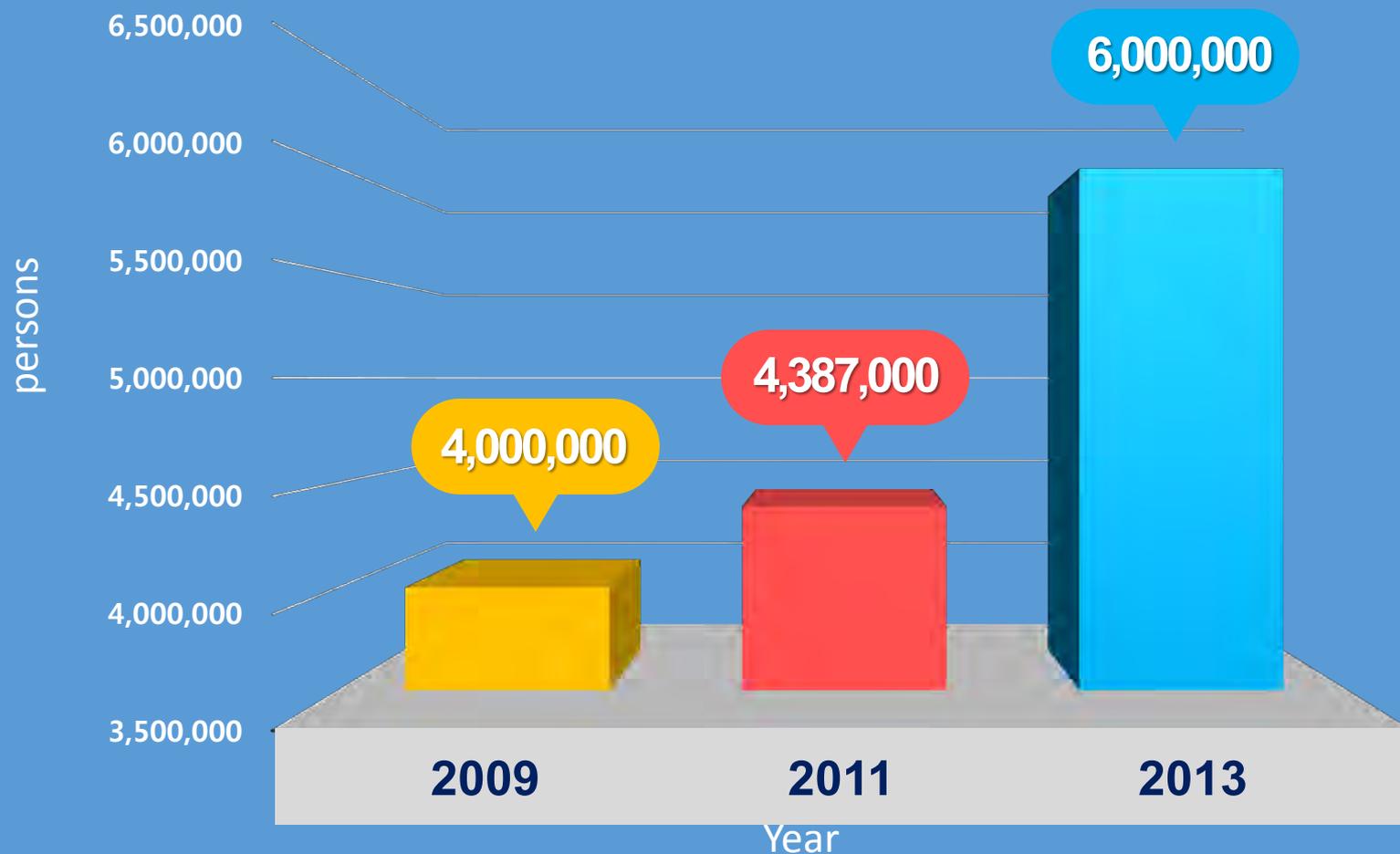


Result: Growth of Tourists Visit



Growth of tourists visit

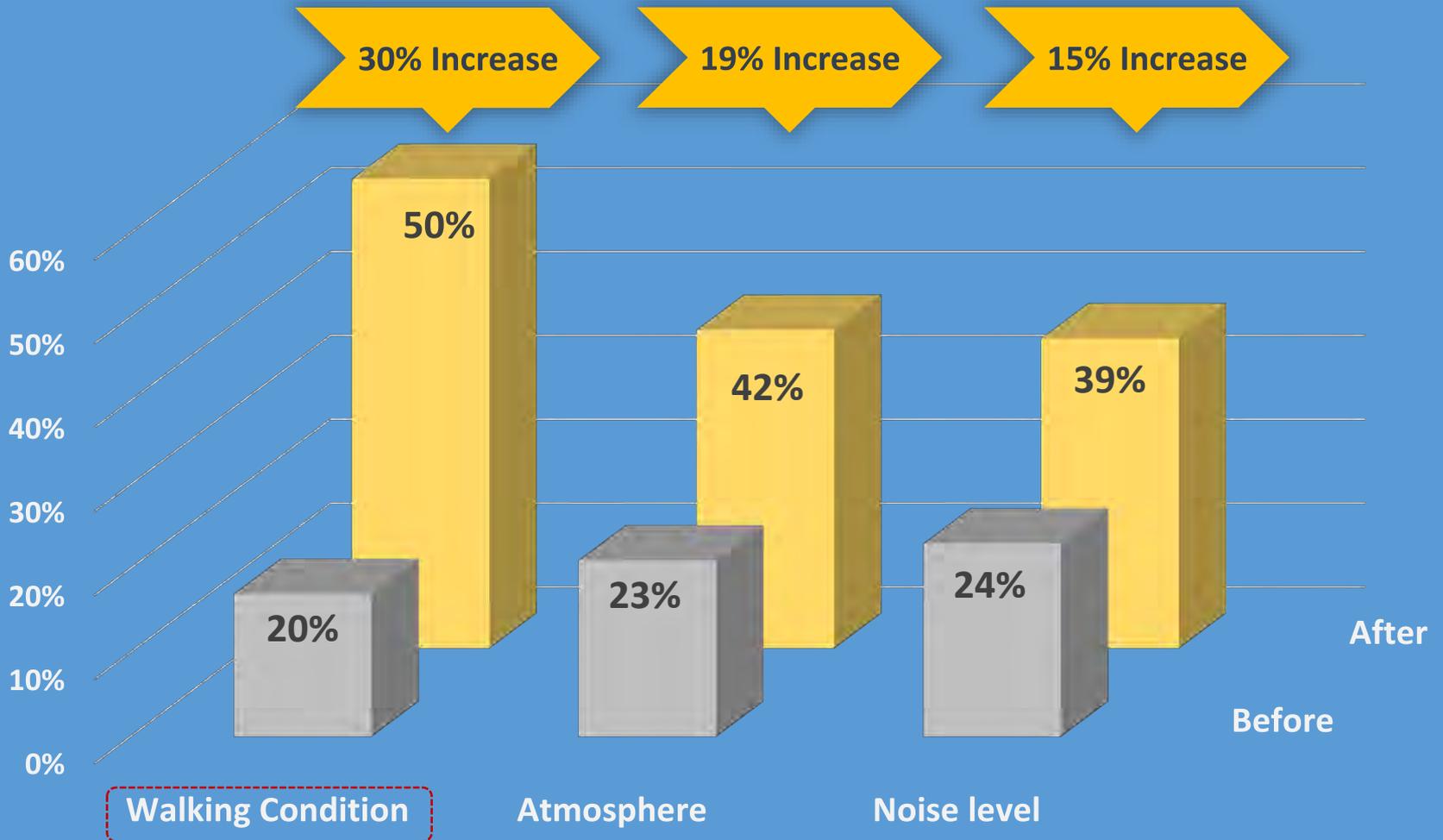
In this area, lots of residents run small business



Result: Improvement of Residents' Satisfaction



Resident's Satisfaction



Result: Environmental & Economic Benefits

Reduction of CO₂ emissions



**190 tons of CO₂ emissions per month
by 2200 households reduced**
(equivalent to planting 470,000 pine trees)

Economic benefit



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

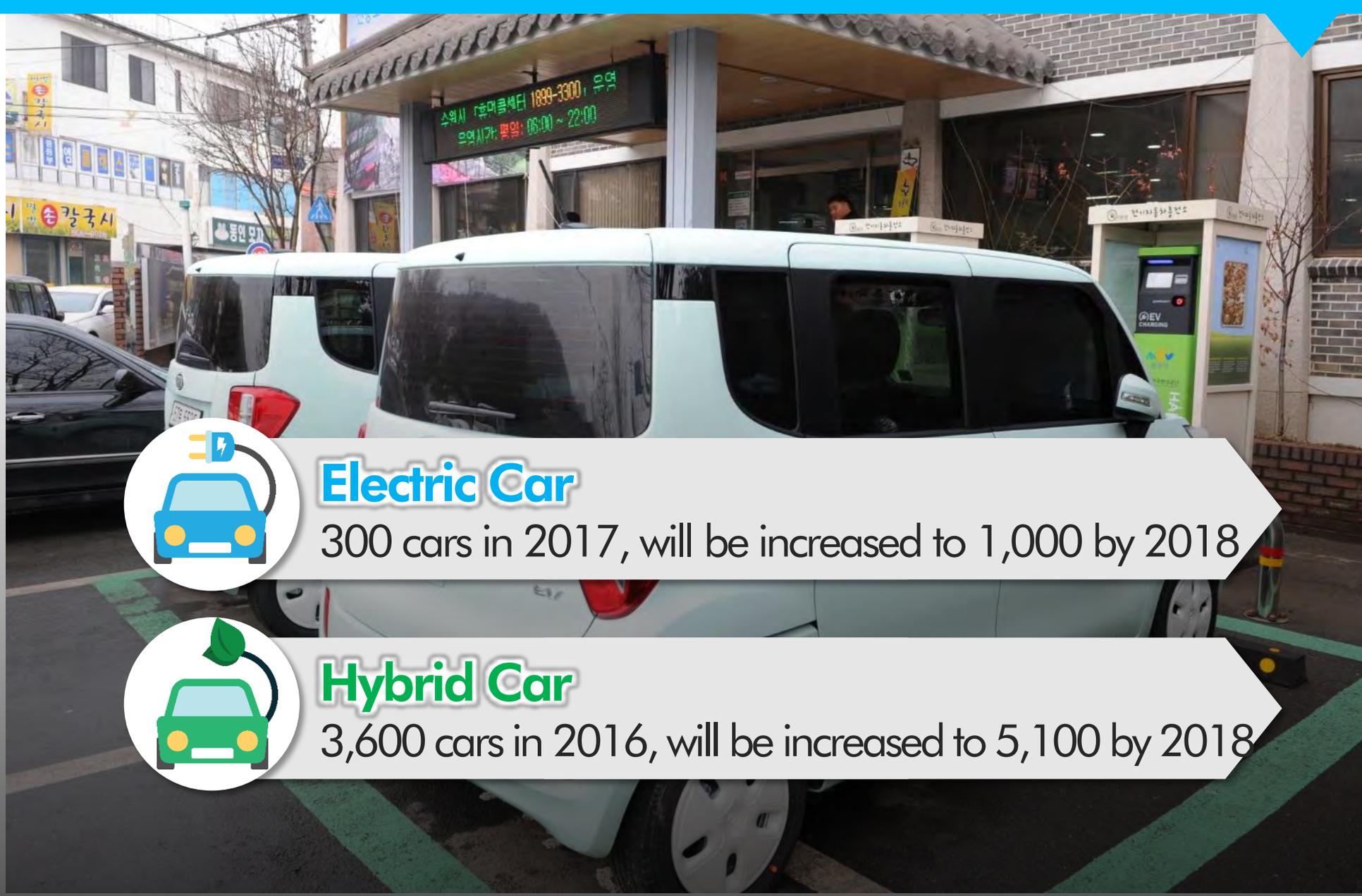
After the Project, EcoMobility Concept Spread out All Over the City: More Car-Free Day Events



**11 Districts, 70 thousands citizens participation(2017)
Will be expanded to 13 Districts by 2018**



Effect: Increase of Low-Carbon Cars



Electric Car

300 cars in 2017, will be increased to 1,000 by 2018



Hybrid Car

3,600 cars in 2016, will be increased to 5,100 by 2018

Effect: Bike-Sharing Station



**Operating in major sightseeing spots
to promote bike use**

Effect: Smart Shared-Bike System

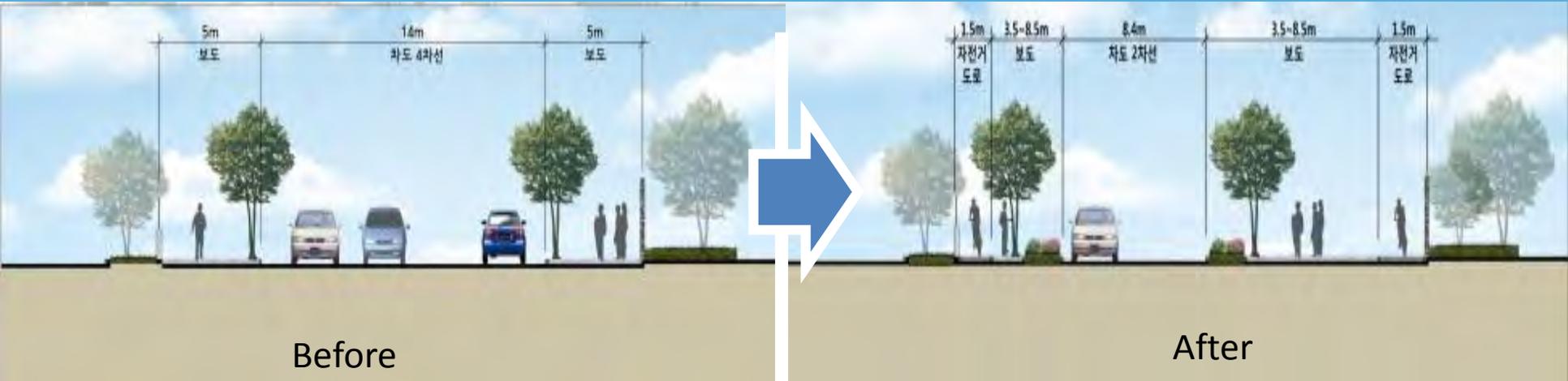


6,000 bikes operation(present)
10,000 bikes by 2018

Future Plan: Districts Dedicated to Public Transport

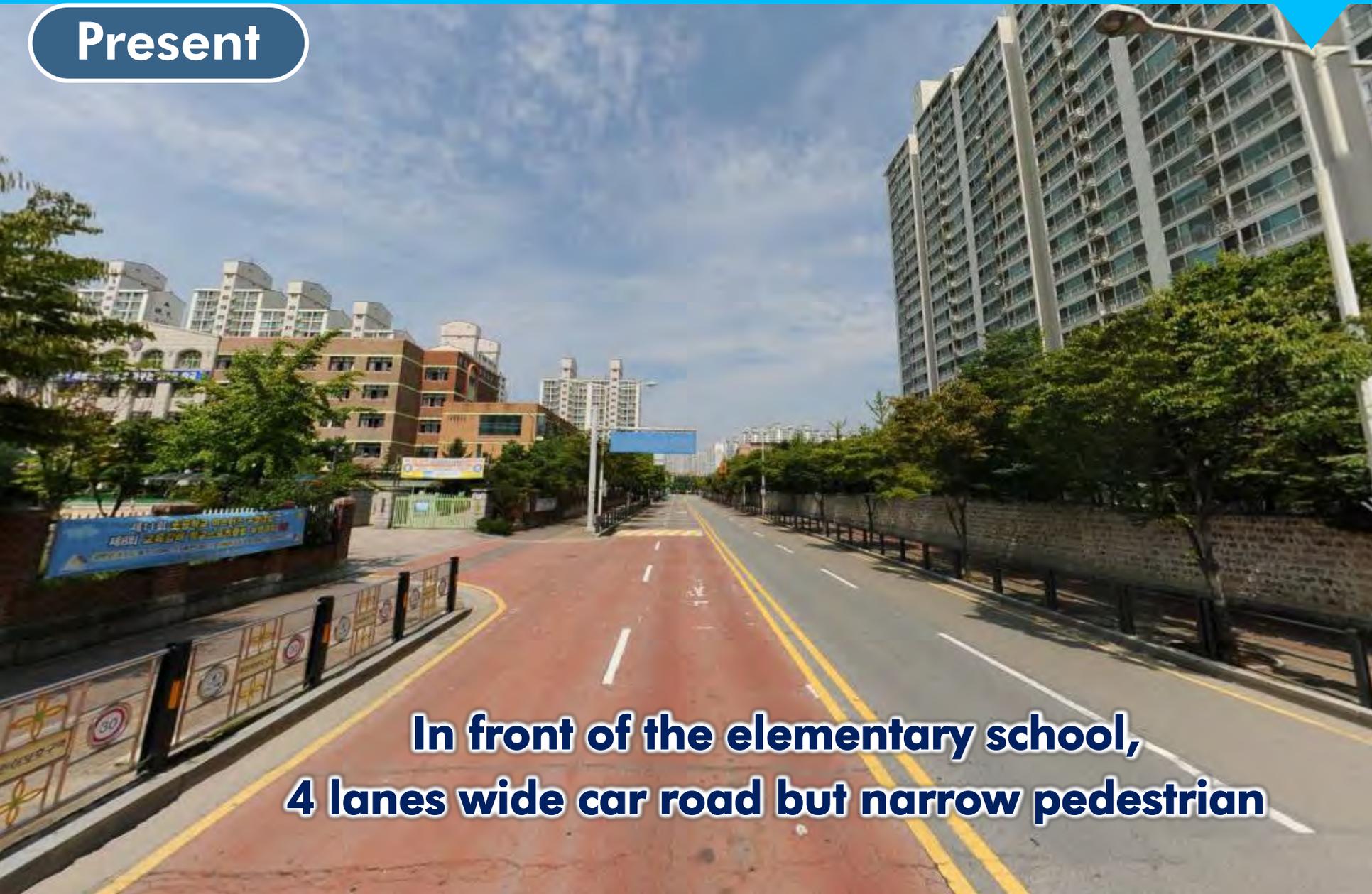


Car road diet and pedestrian road expansion



Future Plan: Pedestrian-Friendly Road by Road Diet

Present

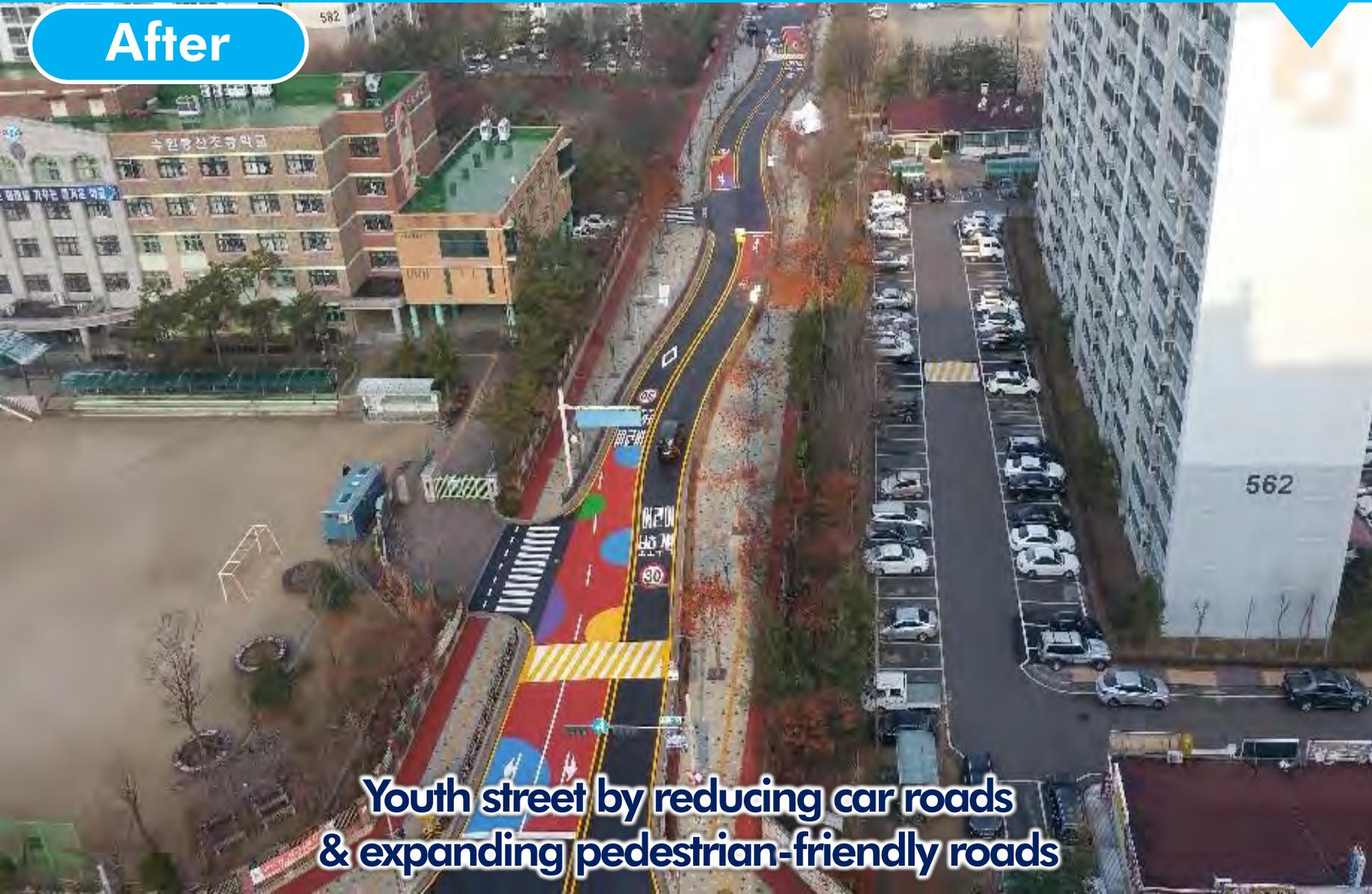


**In front of the elementary school,
4 lanes wide car road but narrow pedestrian**

Future Plan: Pedestrian-Friendly Road by Road Diet

After

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



Future Plan: Tram as Urban Rail Transit



EcoMobility Project Continues in the World

1st in Suwon,
Republic of Korea
(2013)



2nd in
Johannesburg,
South Africa (2015)



3rd in Kaoshung,
Taipei
(2017)



ICLEI(International Council for Local Environmental Initiatives) holds the Eco-Mobility Festival every two-year to promote the international collaboration and find solutions for sustainable environment in cities.

'Remind EcoMobility' Past 5 years

- Remind EcoMobility Festival on the site with participated citizens
- 2018. 9. 7. (Fri) ~ 9. 8. (Sat)
- Contents: Forum for Sustainable EcoMobility town
Parades in car-free roads

『생태교통수원 2013』
5주년 기념

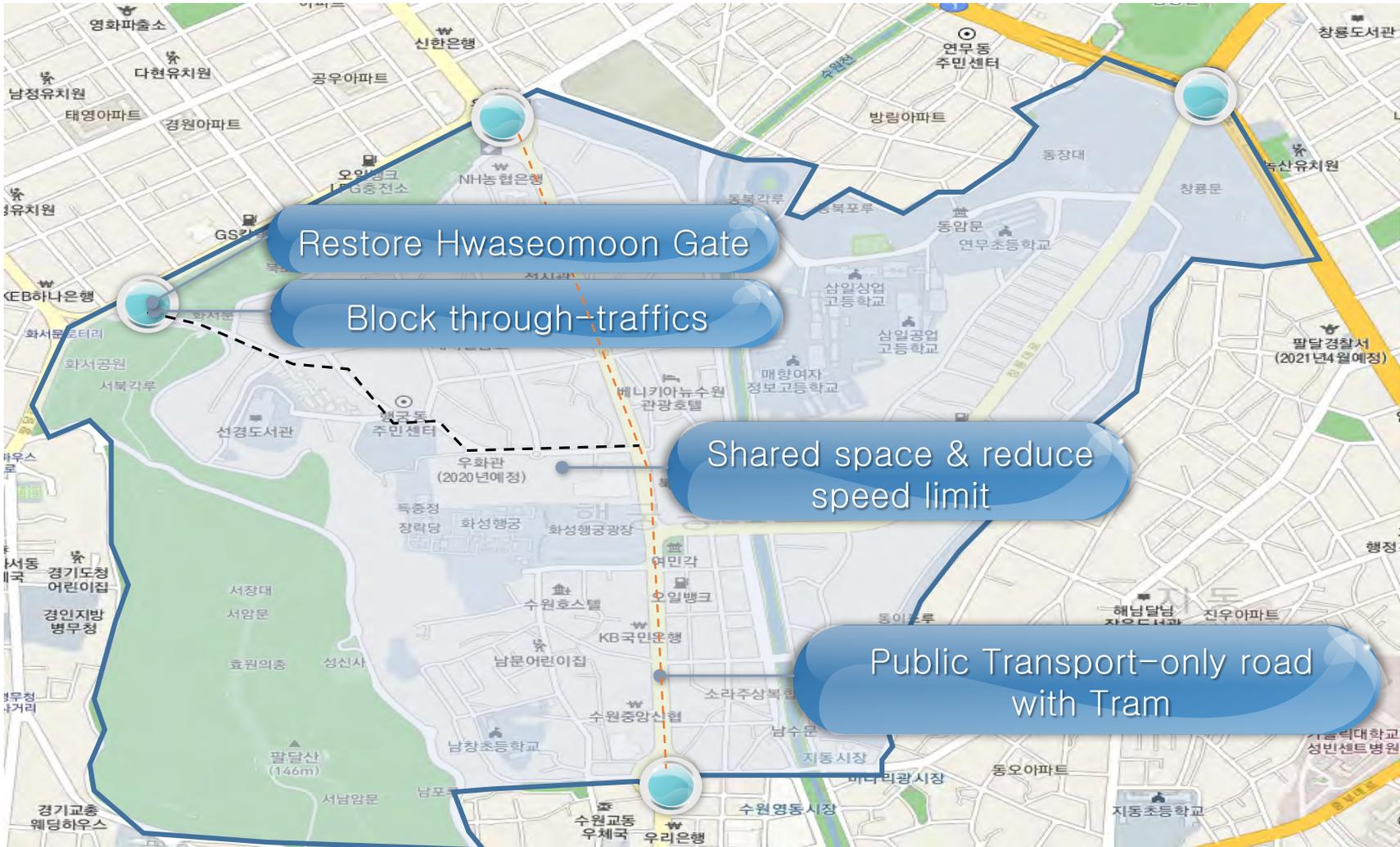
이제 친환경

리마인드 축제

9.7.(금) 19:00~21:00 지속가능한 생태교통마을포럼	행궁동 차 없는 거리 화서문로(화서문 ~ 장안사거리) 1.5km 구간
9.8.(토) 10:30~11:00 '함께해요, '생태교통' 시민파레이드	화서문로32번길(고가커피 ~ 행궁동 행정복지센터) 신봉로23번길(행궁동 행정복지센터 ~ 신봉초)
9.8.(토) 11:00~12:00 생태교통 5주년 기념식	신봉로(화성옥 ~ 신봉초 정문) 정조로841번길(신봉초 ~ 수원시립미술관 주차장) 공방거리 일대



Ideas to Develop EcoMobility Town be Sustainable



Restore Hwaseomoon Gate

Block through-traffics

Shared space & reduce speed limit

Public Transport-only road with Tram

Beyond EcoMobility, Efforts to Make Our City Sustainable are Continued



300 Citizens gathered to choose Sustainable Development Goals to be achieved by 2030

Public-Private Joint Declaration for Suwon SDGs (2017)



Declaration of Suwon SDGs and Vision

2030 Suwon Sustainable Development Goals and Vision

Vision : Sustainable City of Suwon where Human and Nature co-exist in harmony

3 areas 10 objectives 57 tasks 125 indicators

<p>1 모두를 위한 착한 에너지로 기후변화 대응</p>  <p>UN SDGs - 7-11</p>	<p>2 건강하고 조화로운 생물다양성</p>  <p>UN SDGs - 15-16</p>	<p>3 맑고 깨끗한 물순환 도시</p>  <p>UN SDGs - 6</p>	<p>4 건강하고 지속가능한 농업먹거리</p>  <p>UN SDGs - 2</p>	<p>5 좋은 일자리 증진과 산업혁신</p>  <p>UN SDGs - 8-9</p>
<p>6 지속가능한 생산과 소비</p>  <p>UN SDGs - 12</p>	<p>7 복지건강교육을 통한 시민행복 확대</p>  <p>UN SDGs - 1-3-4</p>	<p>8 성평등과 다문화 사회 실현</p>  <p>UN SDGs - 5-10</p>	<p>9 모두를 위한 지속가능도시와 문화</p>  <p>UN SDGs - 11</p>	<p>10 자치를 통한 정의평화 거버넌스</p>  <p>UN SDGs - 16-17</p>

Thank You



**Sustainable Suwon Comes
When People and Nature Shares the City**