The United Nations Conference
on Housing and Sustainable Urban Development

Sustainable Transportation and Improving the Urban Environment

City of Life, SIHEUNG

OCTOBER 2016
Siheung City

Who We Are

Population 430,460
Foreigners 31,052 (as of September 2016)

10,170 Companies

81 Schools (Elementary 38, Middle 22, High 1.6 Univ. 2, Grad School 3)

184,912 Automobiles

Land Mass: 135.8 17 dongs
1,066 Public Officers km² / (404 residents per officer)

Sihwa National Industrial Complex:
1,097,000 m²
208 Units of Urban-Style Apartments
Siheung City

Our Motto

CITY of LIFE

HEALTHY CITY
**HEALTHY CITY**

-Legislated an ordinance for the basic operation of a healthy city
-Joined the Korea Healthy Cities Partnership (KHCP)
-Received the AFHC Healthy City Development Award
-Appointed as 5th vice-chair of KHCP
-Hosted the 9th KHCP general meeting and conference

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**Promoting health-centered policies**
- Laying the foundations for sustainable health policies
- Building a safety network for a healthy city

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**Building infrastructure for a Healthy City**
- Fostering a healthy urban environment
- Enhancing equity for health welfare

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**Citizen-driven Healthy City**
- Citizen-centered governance
A healthy city is not about “SPEED” but “DIRECTION”

Healthy City

i) Accessible City
ii) Safe City
iii) Creating Shared Value City
A city where pedestrians and bikers come first

[ Walkable Siheung ]
Expanded Infrastructure for Public Transportation and Improved Services

- Construction of a public transportation system based on subways

- **Accessible City**
  - Gwangmyeong Stn.
  - Construction of a public transportation system based on subways

- **Safe City**
  - Installation of public transportation transit facilities

- **Creating Shared Value City**
  - Suwon-Incheon Line: Suwon-Siheung-Incheon, 52.8 km (will open in 2017)
  - Sosa-Wonsi Line: Bucheon-Siheung-Ansan, 23.3 km (construction to be completed in 2018)
  - New Ansan Line: Yeouido-Gwangmyeong-Siheung City Hall (aims to open in 2023)
  - Wolgot-Pangyo Line: Wolgot-Gwangmyeong Stn.-Pangyo (aims to open in 2024)

**Legend:**
- Orange: Sosa-Wonsi Line
- Blue: New Ansan Line
- Green: Wolgot-Pangyo Line
- Red: Suwon-Incheon Line
- Dark Blue: Incheon Line #2 (Siheung-Gwangmyeong Line)
- Purple: Line #4 (Seoul)
Active Use of Bicycles

✓ Laying Bike Roads (Total Length: 161 km)
✓ Operation of Public Bicycle Rental Centers (2 Automatic Rental Centers)
✓ Bicycle Day
i ) Accessible City

ii ) Safe City

iii ) Creating Shared Value City

Siheung “Neumnae-gil”
Preventing Crime and Upholding Caring for Women

[SAFE SIHEUNG]
Enhancing Pedestrian Safety and Reducing Traffic Accidents

**Lower Speed Limit**

- 60 km/h in Residential Areas, Commercial Store Side Roads
- 30 km/h
- 80 km/h in Main Roads
- 70 km/h

The Yellow Carpet

Yellow traffic lights

Designation of Protection Zones for children and the elderly

**Safe City**

- i) Accessible City
- ii) Safe City
- iii) Creating Shared Value City
Specialized School Zones

✓ School Zone LOUD Project “Look to your Sides”

Near Daeya Elementary School

Near Dowon Elementary School
“Traffic Safety Know-How KIT”

i) Accessible City

ii) Safe City

iii) Creating Shared Value City
Drastic fall in the number of deaths per 100,000 caused by traffic accidents

In a short period, Siheung went from a city of ACCIDENT HAZARD to a city of SAFE TRAFFIC.

<table>
<thead>
<tr>
<th></th>
<th>2013 (people)</th>
<th>2014 (people)</th>
<th>2015 (people)</th>
<th>Annual Fluctuation (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROK</td>
<td>10.14</td>
<td>9.44</td>
<td>9.13</td>
<td>−5.1</td>
</tr>
<tr>
<td>Siheung</td>
<td>12.30</td>
<td>9.42</td>
<td>6.05</td>
<td>−29.9</td>
</tr>
</tbody>
</table>

Accidents in Child Safety Zones

Deaths caused by traffic accidents in child safety zones within the past 7 years

“ZERO”
It’s easy to navigate in Oido!

✓ 52 streetlights with navigation systems
CPTED Siheung Crime Prevention Through Environmental Design 2014~2017

- Pleasant Streets
- Caring for Women
- Yellow Star Safe Village

School zone full of parked cars

Planting flowers and creating gardens together

Yellow Star Road for school zones
Regulations and Enforcement

A program to induce behavioral changes (mind-up) by bringing up small problems and working together to seek solutions

**LOUD Siheung**
Look over Our community Upgrade Daily life 2015~2017

### Greater Possibilities of Flood Damage in Urban Areas

<table>
<thead>
<tr>
<th>Year</th>
<th>heavy rain</th>
<th>2010 (after urbanization)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1942 (before urbanization)</td>
<td>42%</td>
<td>evaporate outflow to roads penetration</td>
</tr>
<tr>
<td>2010 (after urbanization)</td>
<td>25%</td>
<td>26%</td>
</tr>
</tbody>
</table>

### Damage Caused by Counterflow of Rainwater

- 10 casualties (2011)
- 20,499 floodings (2012)

Source: City of Seoul
1. Cleaning up loaded items on streets — ”Together, let’s make walkable roads.”

2. NO to littering — ”Green Gallery”

3. Drain the rainwater collector — ”Smile Zone” to prevent littering of cigarette butts
City of Sustainable Cultural Governance and Industrial Heritage Regeneration

[i] Accessible City
[ii] Safe City
[iii] Creating Shared Value City

[Siheung, the realizer of Shared Value]
Cultural Regeneration of Industrial Heritage

✓ 1. Wolgot Art Market “Art Dock”
2. Siheung Culture Generator “Chang-Gong”
3. Art & Eco Cube Project

Siheung Smart Hub
(created in the 80s)

MTV
(under construction)
Clean Water Park

A community park that reminds us of the past as an industrial sewage treatment facility and promotes the shared value of a mind-set of “good action” for the “future environment of planet Earth”
i) Accessible City

ii) Safe City

iii) Creating Shared Value City
Community Service Center

i) Accessible City

ii) Safe City

iii) Creating Shared Value City
CASE of SIHEUNG
Open Campus

Open Education
Medical City

Global R & D
Received the Grand Award for Excellence in Landscape (IFLA)
Barrier Free City
Caring for Women
U – City
Safe & Future-Oriented
Growing the Future, City of Life

Thank you!