

# The Current Situation of **Ecomobility Policy in Changwon**

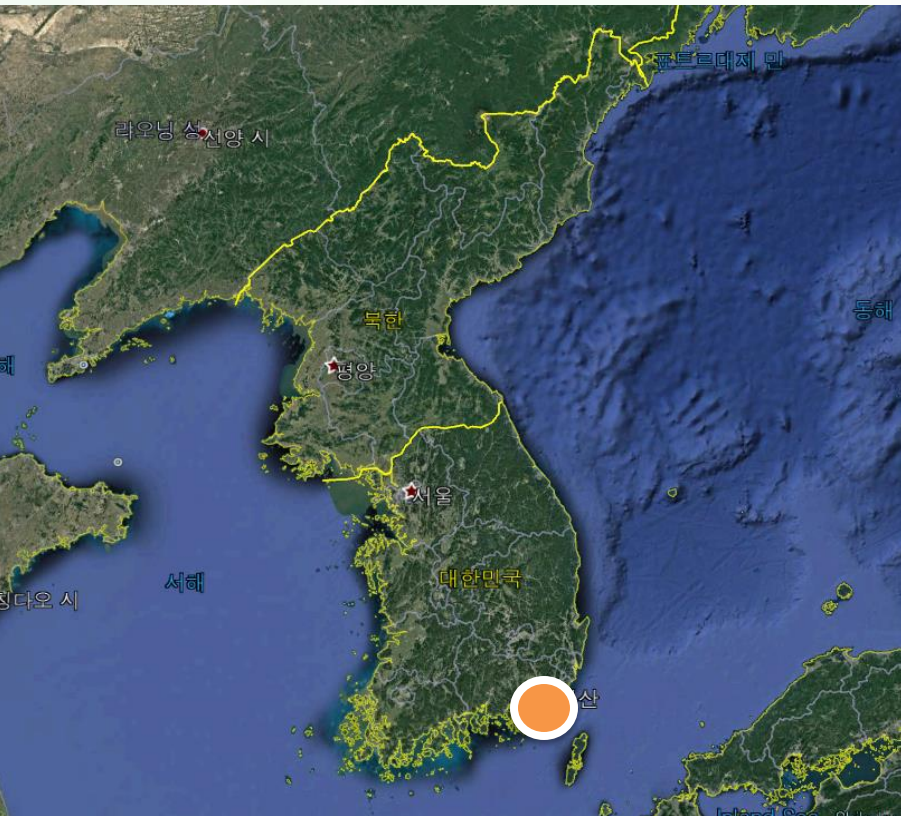


# Introduction of Changwon

## A role model for local development in Korea

**Korea's first machine industrial city**

→ **Transformed into a tourism and cutting-edge industrial city**



- **Population : 1.07 Million**
- **Area : 747.07km<sup>2</sup> ※ Seoul 605.52km<sup>2</sup>**
- **Budget : 2.51 Trillion Won  
(2.21 Billion Dollars)**
- **GRDP : 32.52 Trillion Won  
(28.67 Billion Dollars)**

**2010.7.1 A NEW metropolitan-level  
Changwon established through the integration of  
Changwon+Masan+Jinhae**

# Current Ecomobility Issues by Sector

## Environment Capital Changwon Project(2006)

Phase-in ecomobility to create clear and blue skies

**Promote Bicycle Use**

**2007**



**Bicycle Metropolitan City Project**

**Improve Pedestrian Environment**

**2010**



**Create pleasant and safe pedestrian environments**

**Supply Eco-friendly Cars**

**2011**



**Supply electric and hydrogen powered cars**

# Current Ecomobility Issues by Sector

## Promoting Bicycle Use

### Infrastructure



- Bicycle roads : 209 paths, 603km
- Storage facilities : 1,296 sites, 16,735 slots
- Bicycle pumps : 151

### NUBIJA



- Terminal : 270 sites
- Nubija : 3,932 bikes
- Members : 250,000
- 15,000 uses daily
- 5,488 ton CO2 reduction (as of 2016)

### Education



46 education sessions conducted for students, housewives, office workers, and the elderly. 8,010 people completed the course. (as of 2017)

# Current Ecomobility Issues by Sector

## | Pedestrian Environment

**Urban Forest Trails**



**Creating a greenway  
utilizing scrapped railways**



**Seaside Promenade**



**[ Create a pleasant and safe pedestrian environment where people want to walk ]**

# Current Ecomobility Issues by Sector

## | Pedestrian Environment

**Greenway** \_ Create tourism infrastructure by applying different themes at each checkpoint



Before



After



# Current Ecomobility Issues by Sector

## Pedestrian Environment

Yongji Lake \_ Create tourism infrastructure using different scenery lighting

Daytime



Nighttime



# Current Ecomobility Issues by Sector

## Eco-friendly Cars

### Electric Cars

Designated by the Ministry of Environment as the  
“Pioneering City of Electric Cars”(2011)



- Vehicles : 558 cars (4<sup>th</sup> highest in Korea)
- Charging Stations : 50
- Subsidies : 16,500 USD per car
- 1,357 ton CO2 reduction in 2016
- 860,000 USD saved in fuel cost(gasoline)

### Hydrogen Fueled Cell Cars

Designated by the Ministry of Environment as the  
“Main Hydrogen Fueled Car City”(2015)



- Vehicles : 47 cars (highest in Korea)
- Charging Stations : 1
- Subsidies : 32,700 USD per car
- 28 ton CO2 reduction in 2017
- 2.9 Million mg of fine dust purified



# Current Ecomobility Issues by Sector

## Eco-friendly Cars

Goal of supplying 10,000 eco-friendly vehicles by 2022

Expand supply of eco-friendly transportation vehicles



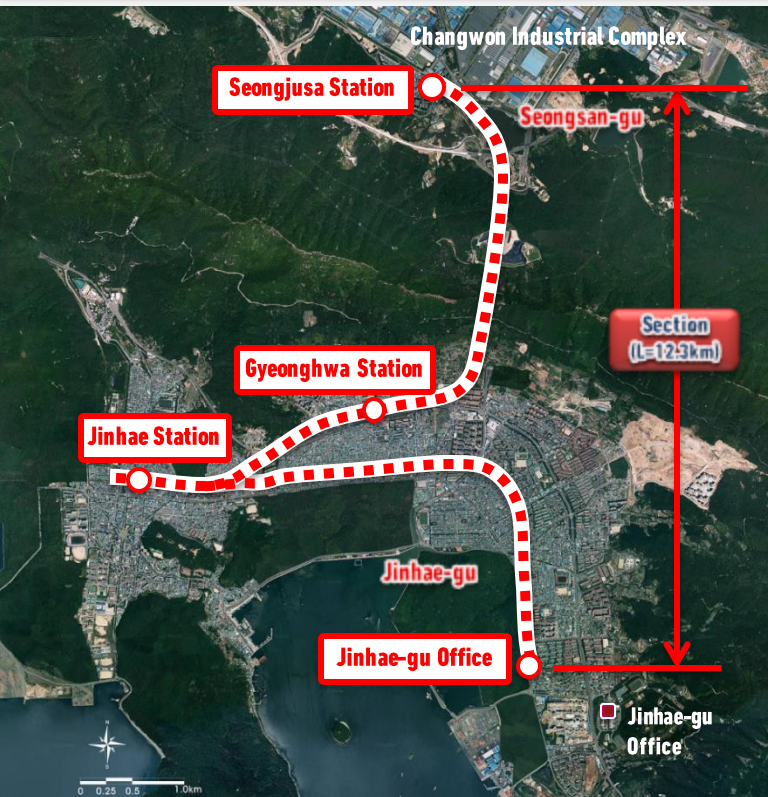
Expand charging facilities



# Current Ecomobility Issues by Sector

## Introduce an urban railway Tram by 2025

Promote new transportations means that utilizes existing railways as a tourist attraction



### Current railway



### Tram example



# Ecomobility Effort Results

## Ecomobility policies cooperating with the people

### Beginning of Implementation



### Finalization of Implementation



# Ecomobility Effort Results

**Share ecomobility cases and contribute to the expansion of ecomobility**



# Thank you

