



A European Union
Programme



SEOUL METROPOLITAN
GOVERNMENT

Seoul and its Transportation

Presenter: HYEJIN SHIN(Seoul Metropolitan Government)

YUNSEOK JUNG (Seoul Metropolitan Government)

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History of Seoul



- Heart of Korean peninsula
- → strategic point
- Joseon Dynasty (1392-1910)
- Korean War
- Miracle of Han River
- Seoul Asian Games
- Seoul Olympic Games
- G20 Seoul Summit
- Seoul Nuclear Security Summit

History of Seoul



Current Status of Seoul : Area & Districts

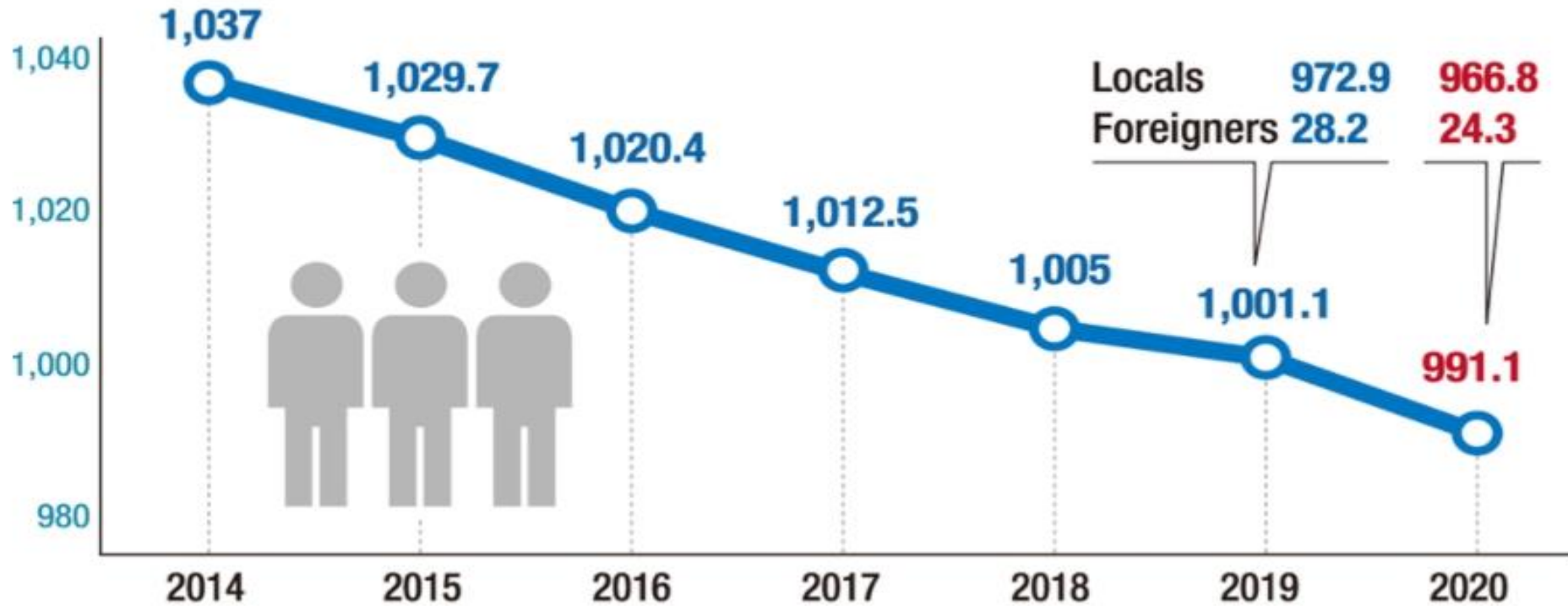
- 605.25 km²
- 25 gu
- 424 dong



Current Status of Seoul : Population

Population in Seoul

(Unit:10,000 persons)



Source: Seoul Metropolitan Government

Overview of City Transportation Office in SMG

- ✓ City Transportation Office oversees urban public transport in Seoul.
- ✓ Consists of **2 Bureaus** and **11 Divisions** (327 officials in total)

City Transportation Office

Transportation Planning Bureau

Transport Policy Division	Bus Policy Division	Taxi Policy Division	Parking Planning Division	Rapid Transit Division	Logistics Policy Division
(5 teams)	(5 teams)	(5 teams)	(4 teams)	(4 teams)	(3 teams)

Pedestrian Friendly Planning Bureau

Pedestrian Policy Division	Bicycle Policy Division	Transport Operation Division	Traffic Violation Enforcement Division	Traffic Information Division
(7 teams)	(4 teams)	(7 teams)	(7 teams)	(4 teams)

Vision

Transport for Better Quality of Life and Prestige of City

Mission

Ensuring Safe and Future-oriented Transportation

**Policy
Goals**



**Safe & Inclusive
Transportation
System**



**Sustainable &
Green Mobility**





**Human-Centered
Walkable City**



**Transportation
System in
Post-Corona era**

Safe and Inclusive Transportation System

Pandemic-Safe PT

-  Real-time congestion information by route & cabin
-  Real-time congestion information on BIT



 Tag-less gate integrating mobile application and telecommunication system

Better Air Quality & Ventilation

SMART AQ Management System

 840 air quality sensors at 277 stations

 Optimal ventilation based on big data analysis

Progressive AQ Improvement

50% reduction of fine dust pollution level in subway train/station/tunnel by 2022




AQ improvement device
Air curtain on train doors
Ventilation refurbishment

Barrier-Free Transportation

-  Install elevators in all subway stations by 2022
-  Replace all intra-city buses to low floor vehicles by 2025



Low-floor Bus Reservation Service

 Available for passengers with special needs to board at the bus stop of their choice.

Sustainable and Green Mobility

Green Transport Zone (GTZ)



Designated to improve traffic congestion and reduce GHG emissions

Objectives (by 2030)



Reduce GHG emissions by 40%

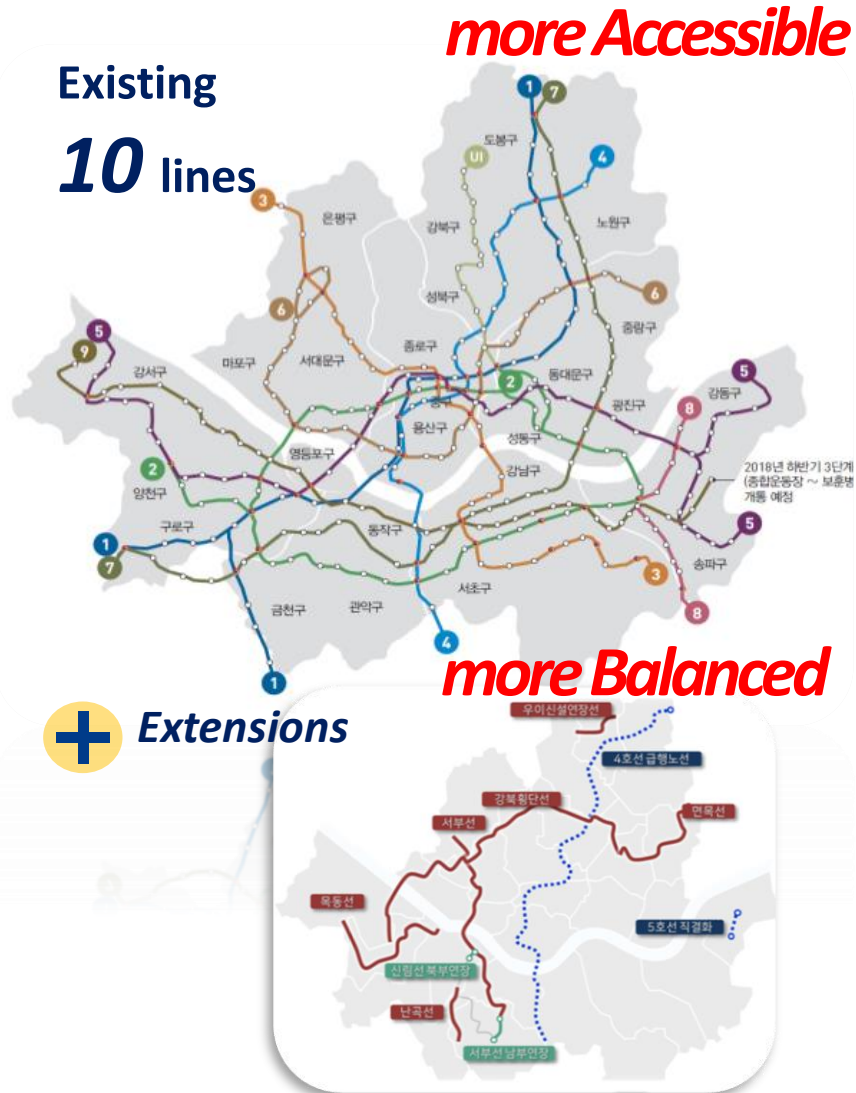


Reduce traffic volume by 30%



Reduce air pollutants by 34%

Convenient Rail System



Clean Vehicle Deployment

Accelerate Green Mobility Transition



- Replace 54.1% of total buses to clean vehicles by 2025 (3K e-buses + 1K hydrogen buses)
- Expand charging infrastructure (2K EV chargers + 15 hydrogen charging stations by 2022)
- Work with carmakers to develop standard e-bus models

Human-Centered Walkable City

Walking-Centered Reorganization

Pedestrian Forest Path



connecting history, culture and nature

Road Dieting



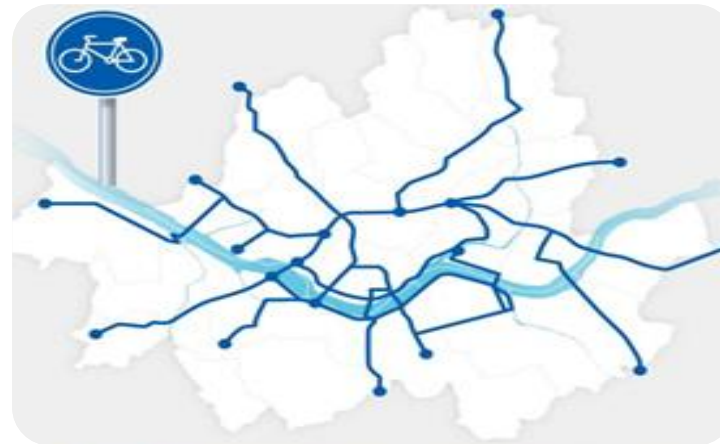
for more walking spaces and improved street connectivity

City-Wide Bike Network

more *infrastructures*



Stretching all across Seoul



Shared Active Mobility

Soaring demand

Since 2015

19  times

81  times



Since 2018

293  times



More spaces, greater integration and safer use

Transportation System in Post-Corona era

Autonomous Driving

Safe, Accessible SMART Mobility



V2V, V2I, V2P, V2X ...
Traffic Safety Service

Pilot Projects

On-demand self-driving buses for *passengers with special needs* and covering *marginalized areas*



Big Data Analysis

Data-based, Customized Service



Pattern Analysis

Customized Bus Operation

Subway Congestion Analysis

Fare evasion behavior analysis

Smart & Safe Mobility

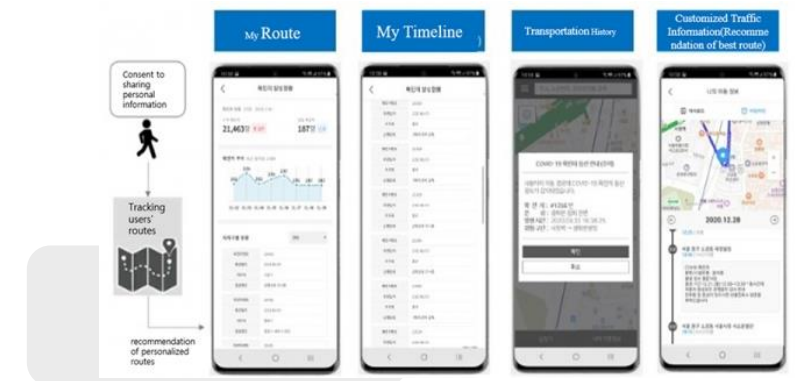
Wallet-Free Parking



Automatic payment using IoT and automatic number-plate recognition

Risk Alert Service

Notifications of routes overlapping with confirmed COVID-19 patients



MS. HYEJIN SHIN

Mr. YUNSEOK JUNG

hyejinshin@seoul.go.kr

yunseok.jung@seoul.go.kr



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