



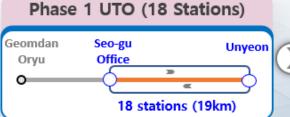
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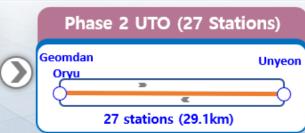
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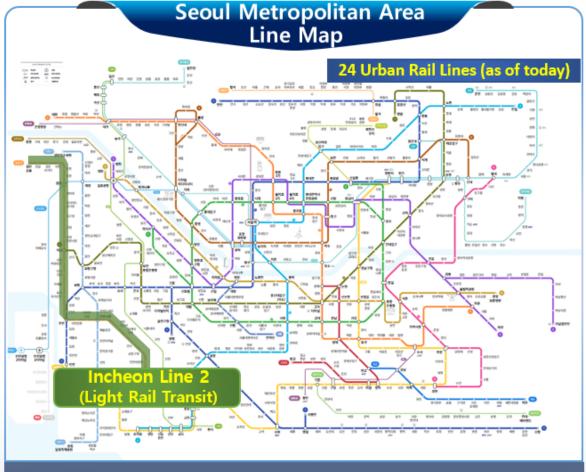
01. Project Overview

General Information Start of Operating **Number of** Daily **Headway** Operation Distance **Stations** Ridership 27 Peak - 3 min 190,000/day July 30, 2016 29.1km stations Off-Peak - 6 min (Max 230,000)

Background Incheon Line 2 initially operated with onboard crews due to system instability. As the system was stabilized and improved, the need to introduce UTO emerged to ensure financial stability and enhance management efficiency. Project Period Apr 2020 - Jan 2024 The entire section from Geomdan Oryu Station to Unyeon Station (27 stations)







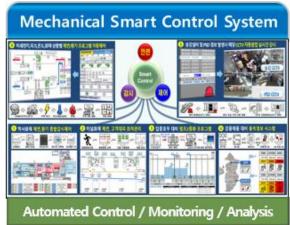
The "Urban Rail Network Construction Plan"
for the Seoul Metropolitan Area and Local Governments,
which is continuously promoted,
includes numerous new light rail projects.

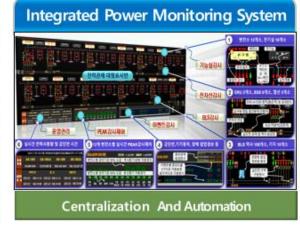
02. Project Implementation Process



03. System Improvements for UTO











Successful UTO Transition and Operational Safety Achieved through Advanced Expertise and In-House Technology Development (32 Cases in Total)



On-site



Train Stop Position Monitoring System, etc. Signaling



Command and Control Program, etc.

Communication



Fault Alarm Transmission System, etc.

Train



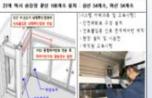
Brake Failure Monitoring System, etc.

Electrical



Electrical Shock Protection System, etc.

Mechanical



Track Access Door Monitoring System, etc.

Track

Track Emergency Evacuation Guidance System, etc.

04. Project Outcomes

01

Korea's First
UTO Transition with
Advanced Operation
Technology

12

Annual Savings of
3.2 Million USD
in Outsourced Train Crew
Service Costs

03

Improvement of
Safety and Convenience
Facilities
Using Saved Funds

04

Building a
Technology and Workforce
System Capable of
Continuous Development

2024 Korea Local Government Management Grand Prize (Presidential Award)

05. Future Plans



Continuous System Improvement
and Nurturing a Specialized Workforce
to Lead Future
UTO Development



Establishing Technical Standardization
Across All Areas of UTO-Optimized
Organization, Operation, Safety, and
Maintenance Management



Sharing Our Operation & Transition
Know-how,
and Collaborating with Urban Rail
Research and Operating Institutions

We will remain committed to advancing urban rail systems





