SMART Highway Project Activities

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Topics

- Overview of SMART Highway Project
- SMART Highway Pilot Test Bed
- Applications and roadmap for Korea C-ITS

Overview of SMART Highway Project

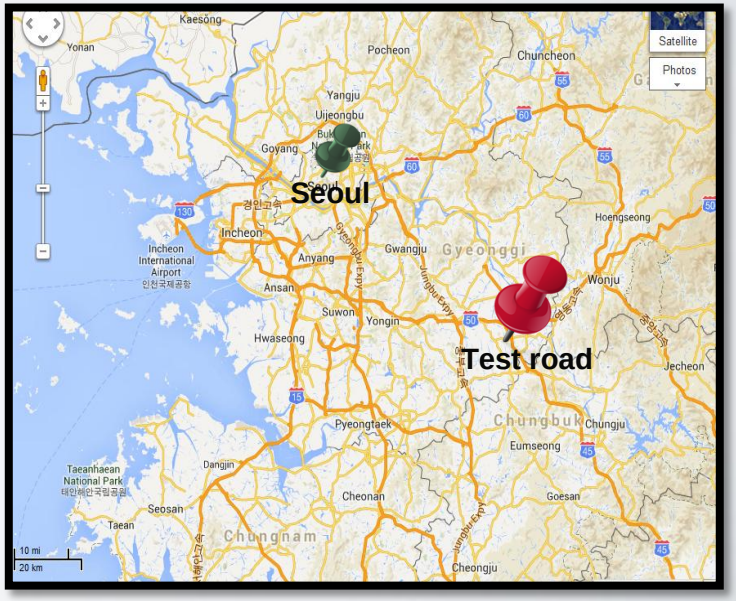
- **SMART Highway Project is…**
  - National R&D Project aiming to realize safe, convenient “ **Intelligent Highway**” by converging advanced IT, Automobile, Road technology

- 2007. 10 ~ 2014. 8 (7 yr)
- 87 million US $

SMART Highway Pilot Test Bed

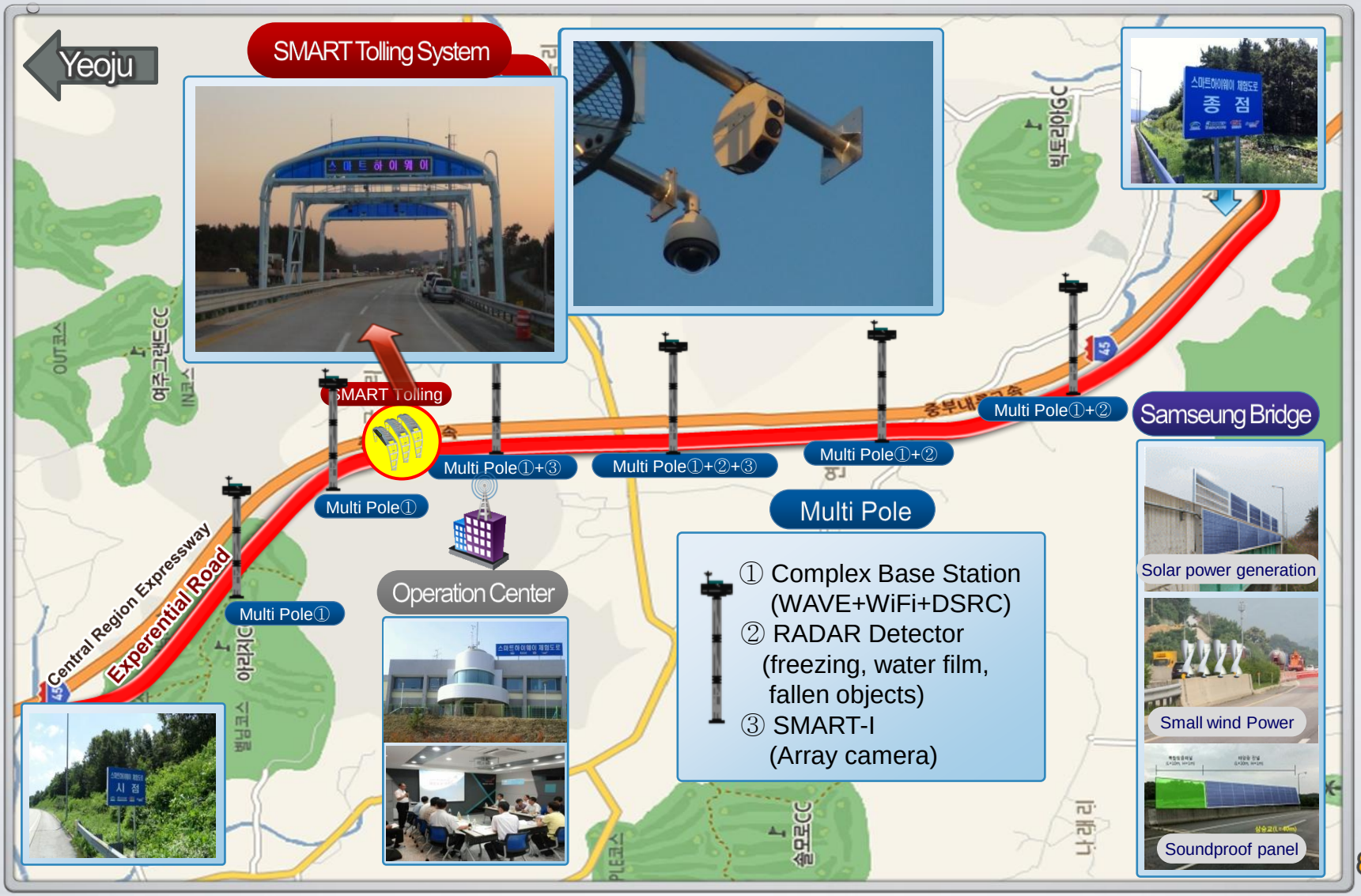
Outline of pilot test bed (experienced road)

- Research results are installed to integrate for verification
- Introduce developed technology to the public
- Budget : 6 million US$ (including maintenance)



SMART Highway Pilot Test Bed

Deployment : 6 RSE installed (wave communication, V2X services)



Demo services in Pilot Test Bed

1. SMART-I

2. SMART Tolling

3. Auto Vehicle Control

4. Lane Departure Warning

5. Chain Accident Prevention

6. Event Share

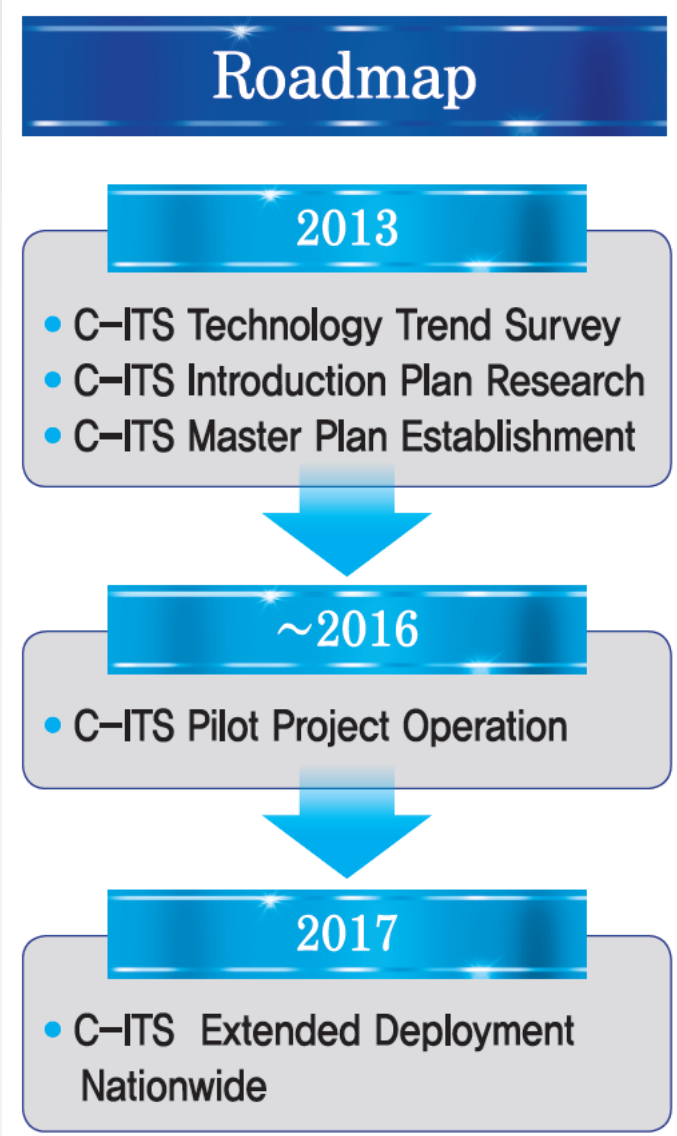
7. Emergency Call

8. Virtual VMS

9. WAVE (V2I, V2V)

Applications and roadmap for Korea C-ITS

Group	Applications
Support for Safe Driving	Vehicle collision prevention(Stopping or slow vehicle, etc)
	Safe driving at hazardous area
	Information provision about road surface condition and weather
	Safe driving at work zone
Support for Intersection Safety	Collision prevention at intersection
	Provision of signal phase and time
Protection of the vulnerable	Provision of yellow bus information
	Notification of school zone and silver zone
	Prevention of accidents related to the disabled
Support for Emergency	Notification of emergency situation
	Priority to emergency vehicle
Traffic Management	Collection of probe data based on location
	Traffic information provision based on location
ETCS	Smart Tolling
Cooperative Public Transportation	Bus operation and management



Thank you for your attention

More information
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