Real time Road Hazard Information Service

(RiaaS : Road hazard information as a Service)

AI RoadAnalyzer Device

Detects and transmits Road Hazard Information

Cloud Road Data Platform

Processes AI Deep Learning information, Data Linkage and constructs big data

Monitoring Dashboard platform

Real time visualization of road hazards, statistics/ analysis

AI Road Analyzer Device

RiaaS AI Road Analyzer is enabled with ultralight, high performance AI model and can automatically detect the hazards

Automatic Collection of various road hazards

Pothole	Trash
포트홀 (94.3%)	쓰레기 (98.2%)

Erased road marks	Damaged guide rods
노면표시불량 (80.9%)표시불량 (60.9%)표시	시선유도봉불량 (100.0%)

Realtime hazard monitoring and notification

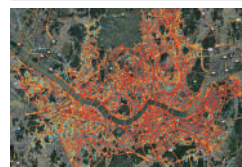Intuitive monitoring and visualization of hazards with statistics service

Web based UI / UX

Timely hazard information of roads / designated area

Graph based statistics and visualization
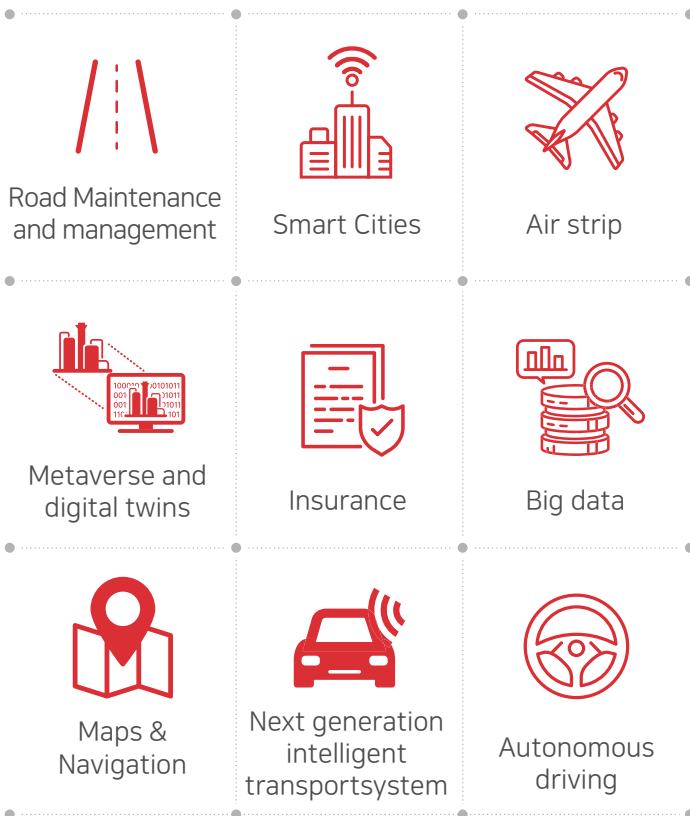
GIS based hazard information

On site response app

Hazard information Picture & Location

Benefits

Automating road hazard management

Reduces the hazard processing time

Prevents accidents and traffic congestion

Reduces social and economic cost

Data based road management and maintenance

Prepares for safe and automated driving

Improves safety of pedestrians and drivers

Enhances citizen's safety and quality of life

RiaaS : Road hazard information as a Service

Applications

- Road Maintenance and management
- Smart Cities
- Air strip
- Metaverse and digital twins
- Insurance
- Big data
- Maps & Navigation
- Next generation intelligent transportsystem
- Autonomous driving

RiaaS customers

Seoul Metropolitan city	Uijeongbu city	GWANGJU NAMGU
Hwaseong city	ANYANG CITY	CHANGWON CITY
GIMCHEON CITY	Hanam city	HYUNDAI
Korea Railroad Research Institute	Korea Expressway Corporation	Korea Land and Housing Corporation
JEJU INTERNATIONAL AIRPORT	Incheon Airport	KICT 한국건설기술연구원
SK E&S	SK planet	motov

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