



An innovative green transportation system promises a better world !



- R&D on Core Technology, Policy, Safety & Logistics
- Development & Application of HSR, LRT, TTX
- Rail Network Expansion & Continental Connections
- System Standardization, Assessment & Certification



## Climate Change

01

- GHG inventory and carbon footprint labelling certification for railway operation
- Carbon footprint calculation for railway infrastructure
- Tier 3 emission factor for diesel-electric locomotive



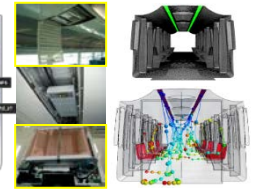
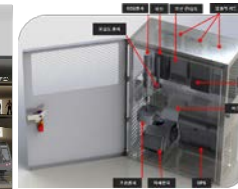
Category	Item	Value
Locomotive	Locomotive	10.2kg
	Locomotive	10.2kg
	Locomotive	10.2kg
	Locomotive	10.2kg
Train	Train	10.2kg
	Train	10.2kg
	Train	10.2kg
	Train	10.2kg
Infrastructure	Infrastructure	10.2kg
	Infrastructure	10.2kg
	Infrastructure	10.2kg
	Infrastructure	10.2kg



04

## Indoor Air Quality (IAQ)

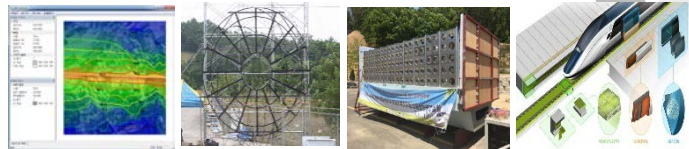
- IAQ monitoring and management system
- Air purifier for subway cabin



## Noise

02

- Railway noise identification and mapping
- Low-noise rolling and quiet track
- Sustainable silent infrastructure and sound absorbing materials



05

## Soil Pollution

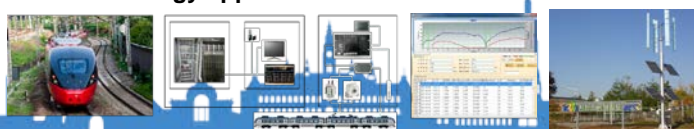
- Soil pollution investigation and remediation technology
- Dry cleaning technology for polluted ballasts



## Energy

03

- Energy metering for electric railcar
- Clean energy application



06

## Recycling

- ISO standardization for "Recyclability and recoverability calculation method of rolling stock"
- Refrigerant recovery for end-of-life rolling stock

