

THE KOREA RAILWAY ASSOCIATION



Member Status Chart

Member status	Total	Board of Director	General Member
	199	49	150

*2017.5

Board of Director

A grid of 40 logos representing the members of the Board of Directors. The logos are arranged in 10 rows and 4 columns. Each logo is contained within a white rounded rectangle with a blue border. The logos include: MOLIT (Ministry of Land, Infrastructure and Transport), KRA (Korea Rail Network Authority), KORAIL, KRI (Korea Railroad Research Institute), THE KOREA TRANSPORT INSTITUTE, SEOULTECH (Seoul National University of Science & Technology), GSE&C, AREX (Airport Express), DAELIM, Busan Transportation Corporation, Seoul Metro, SR, HYUNDAI (Infrastructure & Construction), HYUNDAI Rotem, TS (Korea Transportation Safety Authority), 한국교통대학교 (Korea National University of Transportation), LSIS, SK E&C, KUEDO (Korea Railway Construction), Namkwang, DTRO (Daegu City Railway Construction), DAEWOO E&C, DOOSAN (Doosan Infracore), saman (Saman Corp.), SAMPYO (Sampyo Railway), SAMWHAN, WOJIN (Woojin System Co., Ltd.), Gooshin (Gooshin Engineering Corporation), 인천교통공사 (Incheon Transit Corporation), KRTC (Korea Railway Transit Corporation), KOLON GLOBAL, POSCO E&C, POONG LIM, HANJIN HEAVY INDUSTRIES & CONSTRUCTION CO., LTD., HDC (Hyundai Development Company), KOSCA (Korea Railway Construction Association), OAE (Woosung University), 한국철도시설도협회 (Korea Railway Construction Association), KRETA (Korea Railway Engineering & Technology Association), 한국철도건설협회 (Korea Railway Construction Association), Korea Railroad Construction Technology Association, 한국철도시설도협회 (Korea Railway Construction Association), AKRSE (Korea Railway Information and Communication Technology Association), 한국철도신호기술협회 (Korea Railway Signal Technology Association), KROTIC (Korea Railway Information and Communication Technology Association), Korea Railway Information and Communication Technology Association, ROTEC (Korea Railway Vehicle Engineering), 한국철도차량기술협회 (Korea Railway Vehicle Engineering).



Your Ideal Partner, The Korea Railway Association



Executive Office

Korea Railway Association

Cheongryangri Station 6F, Wangsan-ro 214, Dongdaemun-gu, Seoul 02555 Republic of KOREA
Tel +82-2-3487-7781 Fax +82-2-3487-7783 E-mail korass58@hanmail.net

*These pictures in this brochure can't use without permission as award winning in Railroad photography contest .

CORPORATE MEMBER LIST

General Members





KOREA RAILWAY, LEADER OF THE GLOBAL RAILWAY NETWORK

With full devotion supported by rich experience, Korea Railway is bringing premium expertise to the world as a leader of Green Transportation. Come and meet your ideal partner!

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01+

Greetings from the President of Korea Railway Association



KORASS will lead in sound development of Korea's railway industry and its global market entry

Korea's railways awakened to the dawn of modernization with the miracle of Gyeongin Line in 1899 and, as the main artery of national transportation network, have played leading role in national economic growth and regional development. Industries and economies revived and people's lives were enriched as more railways and stations were built to cover every corner of the country.

Railways were on the decline for a while at one time with the government's transport policies focusing mostly on roads. However, Korea's railways have seen rapid growth and development since 2004 with the inauguration of the country's first high speed rail, Gyeongbu HSR, which brought about revolution of lifestyles for the people.

In May 2009, Korea Railway Association(hereafter referred to as "KORASS") was launched amid great expectations and desire of the people and KORASS has faithfully performed its duty of playing a pivotal role in amassing the capacity of railway professionals, thereby making significant contributions to the sound development of domestic railway industry and to the promotion of global market entry. In 2016, KORASS successfully

became a legal entity through amendment of the Framework Act on the Railroad Industry Development to finally achieve its long-yearned goal that provided the stimulus for taking a robust step towards second major leap since its establishment in 2009.

KORASS, as the only official legal entity of railway sector in Korea, will live up to its name and status to fully support the rail industry. KORASS will secure the competitiveness of rail industry by innovating and increasing added value, and fuse and join in cutting edge technologies and the 4th industrial revolution to propel the railway industry to rejuvenate itself into a new growth engine.

In particular, annual global railway market is estimated to be valued at KRW 200 trillion and can become the next-generation driving power for the domestic railway industry. KORASS is committed to providing the railway industry of Korea with valuable intelligence on overseas market trends/analyses. In addition, its main mission is to help in training proficient railway engineers/professionals, in order to boost influence and participation of Korea's railway industry in the global market.

Kang Yeong-il
President, Korea Railway Association
Chairman & CEO,
Korea Rail Network Authority

02 EVOLUTION OF KOREA RAILWAY

- KOREA Railway Introduction
- History

Opening of the Wonju-Gangneung High-Speed Railway(For the 2018 Pyeong Chang Olympic Winter Games)



2017.12

SR(Suseo High-Speed Railway Corporation) launched its service



2016.12

Opening of the Honam HSR(Osong-Gwangju Songjeong)

2015.4

KTX operating on the Incheon Int'l line

2014.6

Korean high-speed train, the HEMU-430X was developed

2012.5



Korean high-speed train, the KTX-II(SanCheon) was developed and operated

2010.3

Korea Railway Association(KORASS) was founded in May 2009 by getting establishment approval from Ministry of Land, Transport and Maritime Affairs

2009.6

Korea became the 5th 300km/h-class high-speed railway operating country In the world

2004.4

Korea National Railroad(KORAIL) was incorporated to operate and maintain

2005.1

deal with climate change, Korea has also been significantly increasing its investment in the railway industry over the past years. Based on a wealth of experience in the domestic market-having operated every kind of railway such as high-speed rail, conventional rail, subway, light rail and so on- Korea has been participating in various railway projects worldwide. As a result, Korea has gained credibility and established a high reputation in many countries, especially in terms of punctuality of delivery and state-of-the-art technology.

the nation's railway system. Korea has operated the Korean HSR KTX-SanCheon(developed by Korea's own technology) since march 2010 and the HEMU-430X(maximum speed : 430km/h) has been in test operation since June 2012. The new-generation vehicle HEMU-430X (maximum speed : 430km/h) aims to further provide a comfortable, safe and business-friendly environment for customers by utilizing various CIT and IT technologies at a world-class level, for which Korea is renowned. Attempting to find practical solutions to decrease the nation's dependency on oil and

KOREA RAILWAY INTRODUCTION

Korea Railway Development changes Korea Industry

Korea has rapidly acquired railway technology of the finest degree, just as it has been able to accomplish in areas such as shipbuilding, electronics and Convergence by Information Technology(CIT). The launch of Korea Train eXpress(KTX-I), Korea's high-speed rail service, has played an indispensable role in enhancing

HISTORY



1974.8
Seoul Subway Line 1 opened the service as the first urban railway system In Seoul

1990s
Railway development included the introduction of electric diesel, and Locomotive systems

1996.3
Korea Railroad Research Institute (KRRRI) was founded pursuant to the special law of "National Railway Operations"

2004.1
Korea Rail Network Authority(KR) was established to handle infrastructure construction and facilities maintenance



2004.4
Korea became the 5th 300km/h-class high-speed railway operating country In the world

2005.1
Korea National Railroad(KORAIL) was incorporated to operate and maintain

1963.9
Korea National Railroad Administration was created by the Ministry of Transportation

1960s
Railway infrastructure was completely redesigned and rebuilt



1950s
Rail systems and associated facilities were destroyed in Korean War

1905.1
Seoul-Busan rail service was inaugurated

1900.7
Seoul Station opened

1899.9
Korea's first rail line was completed, linking Seoul's Noryangjin a district with Incheon(33.2km)



1894.6
Establishment of The first Railway Department

VISION 2025 AS LEADERSHIP FOR NATIONAL RAIL NETWORK

Vision

Railway on Mission of National Growth and Regional Development

Goals

Railway competitive with efficiency

Railway leading regional developments

Railway with safety and connectivity

Strategies

1. Elevation of Railway Operational Efficiency
2. Provision of High Speed Transport between Hub Cities
3. Reduction of Traffic Congestion in Metropolitan Area
4. Establishment Safe and Convenient Railway Facility
5. Strengthening of Competitive Power in Logistics Railway
6. Construction of Consolidated Railway Network Preparing Unified Korea

Noticeable Railway Network to 2025

Current



Future



Infra

"Railway Operation Length to 5,364km"

Total Operation Length(km)



Double Track(%)



Electrification Line(%)



Operation

"Increase the Railway Transport share to 26.6%"

	Total Lines	Volume
Passenger lines	96	136,563million person - km
Freight lines	36	9,564million ton - km

*Source : The third National Railway Network Plan (2016-2025)

- Leading Technology to Build Railway Infrastructure
- Train Control and LTE-R Based Signalling System

LEADING TECHNOLOGY TO BUILD RAILWAY INFRASTRUCTURE

Temporary Bent + Crane method (Jeongeup Viaduct), Applied in Honam HSR

The Temporary Bent + Crane method was used to install this structure. The long-span temporary bent (23 members, 1,400 tons in total) was inserted in advance (launched using a base girder) in order to secure the safety of Honam expressway users without stopping traffic.

Heavy Lifting Method (Jeongji Viaduct), Applied in Honam HSR

A steel pier and arch were lifted to the installation height using the heavy lifting method and pushed to the installation position without stopping the traffic on the Nonsan-Cheonan Expressway.

Shield TBM (Tunnel Boring Machine) Method, Applied in Bundang Line

The shield method is optimal where geological fault zones occur. A cylindrical tapered steel structure shield that is resistant against soil and water pressure extends and drives forward the tunnel, simultaneously constructing readily installed wall segments.

- 1 Temporary Bent + Crane method
- 2 Heavy Lifting Method
- 3 TBM method



TRAIN CONTROL AND LTE-R BASED SIGNALLING SYSTEM

CTC(Centralized Traffic Control) System

The CTC monitors the operation of all trains intensively across the country and continually controls the condition of signals from nationwide tracks.

SCADA(Supervisory Control and Data Acquisition)

SCADA monitors and controls the power supply of the railway system through the nationwide transmission line.

KRTCS : Korea Radio based Train Control System

It is train control system that automatic unmanned driving is possible utilizing wireless communication(LTE-R mobile communication).

- + Completely based on wireless communication(LTE-R)
- + Movement block system
- + Applicable to any kind of line
- + Possible to both unmanned driving and automatic driving



- 1 CTC System
- 2 SCADA
- 3 KRTCS



STATE OF OPERATION AND MAINTENANCE

High-Speed Train Service

KTX, the first high-speed rail service in Korea, commenced its commercial service between Seoul and Busan in April 2004. After KTX-SanCheon, the first high-speed train, which was developed by domestic technology, began its new commercial service in March 2010.

Conventional Train Service

Korea provides various railway service which Mugunghwa-ho, Saemaeul-ho, Commuter train, etc. And achieving an average of 21.2 ten thousand people, 10.2 ten thousand tons every day.

Metro Service

The metropolitan area and every big city in the provinces are well served with metro services for citizens to travel conveniently in their daily lives. There are many metro operators in Korea that manage maintenance facilities, the AUTOMATIC FARE COLLECTION (AFC) system and information management system and they clean the station facilities to provide comfortable, convenient and safe service.

- 1 High-Speed Train Service
- 2 Conventional Train Service
- 3 Metro Service



- State of Operation and Maintenance
- State-of-the-art Technology for Railway Transportation of Next Generation

STATE-OF-THE-ART TECHNOLOGY FOR RAILWAY TRANSPORTATION OF NEXT GENERATION



1

HEMU-430X

High-speed Electric Multiple Unit-430km/h eXperiment

With maximum speed of 430km/h, the distributed traction high-speed system HEMU-430X was developed based on the 350km/h Korean high-speed train.

- 1 HEMU-430X
- 2 Wireless Low-Floor Tram
- 3 Maglev

Wireless Low-Floor Tram

This tram uses a lithium polymer battery as its main power source and runs in hybrid mode it can operate with and without an overhead contact wire. The tram is fully compatible with the railroad systems in current operation.



2

Maglev

Urban Magnetic Levitation System

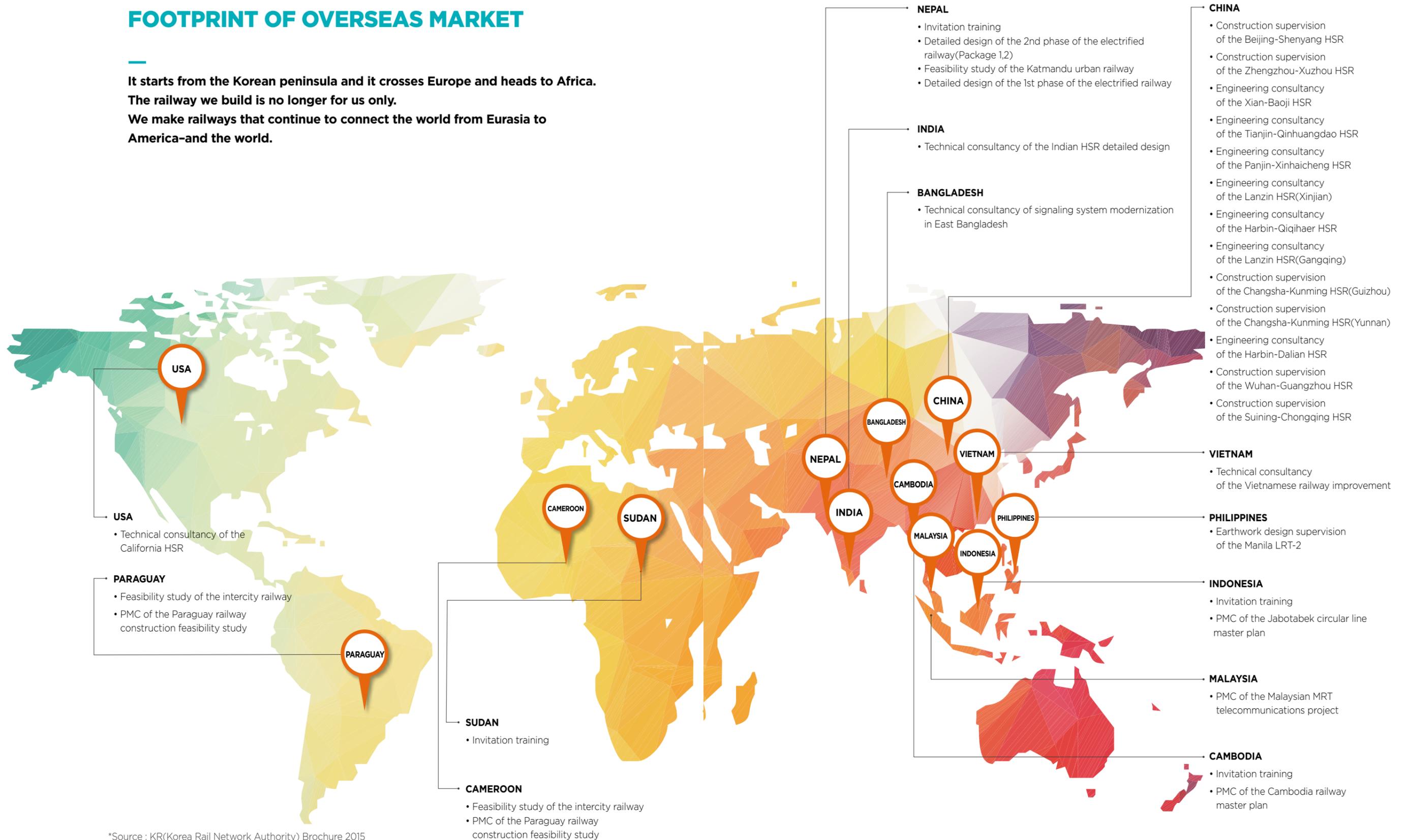
The maglev is the best innovative technology to catch worldwide attention. In Korea, as one of the nation's largest R&D project, the "Urban Business for Practical Usage of the City-type Maglev Project" was launched with a government budget of approximately KRW 450billion(US \$0.41 bil). This project makes Korea the 2nd country in the world to own maglev technology.



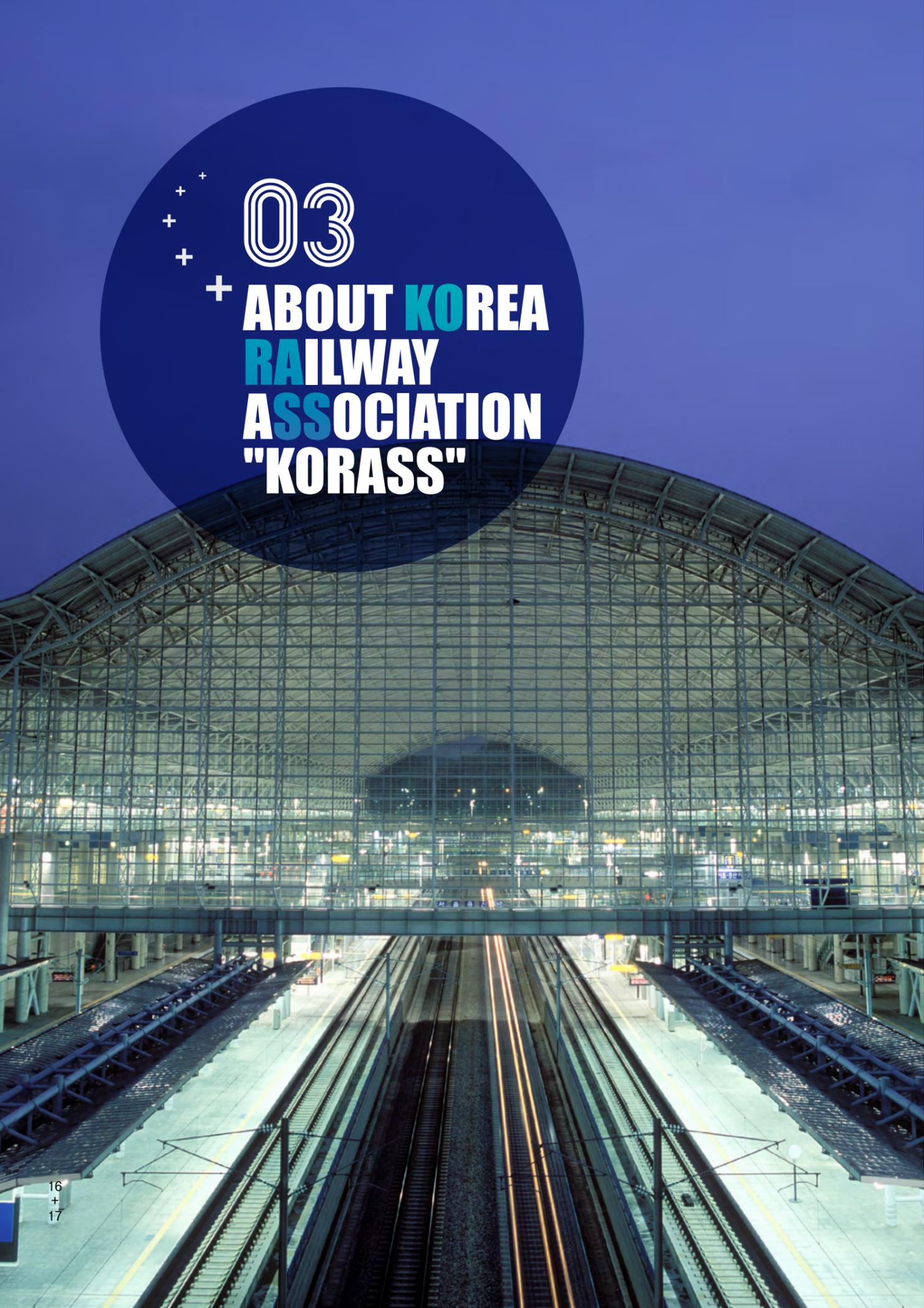
3

FOOTPRINT OF OVERSEAS MARKET

It starts from the Korean peninsula and it crosses Europe and heads to Africa.
 The railway we build is no longer for us only.
 We make railways that continue to connect the world from Eurasia to America—and the world.



*Source : KR(Korea Rail Network Authority) Brochure 2015



03
 + ABOUT KOREA
 RAILWAY
 ASSOCIATION
 "KORASS"

INTRODUCTION

The Korea Railway Association(KORASS) was established in 2009 with the ambition and intention to connect the railway community of Korea and leading the global railway market.

OUR VISION

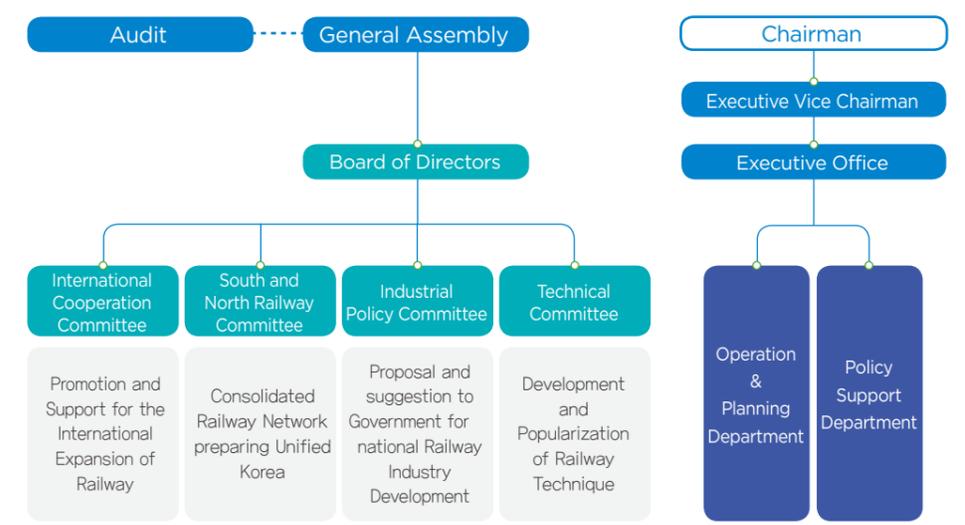
The Korea Railway Association(KORASS) aims at maintaining an overriding dynamic of constant green growth thereby laying the foundation for the realization of tomorrow's dream.

OUR MISSION

KORASS tries to promote and facilitate the achievement of Korea national vision of 'Using Low Carbon and Building Green Growth' through the conception and utilization of public-private cooperative initiatives.

- + To Improve Korea Railway Industry Value
- + Establish and Consolidate a United-Cooperative Railway Industry Association
- + To Support All Policy and Technological Development Efforts
- + Promotion and Support for the International Expansion of the Railway

KORASS ORGANIZATION



KORASS MAIN BUSINESS

Support for Railway Sector Policy and Technical Development

- Recording and collecting opinions and submitting proposals to government via Technical Committees, Industrial Committees, and Policy Planning Committees, etc.
- Enhancing the national competitiveness thereby supporting R&D and new technology.
- Starting the Rolling stock key components testing certification business for establishment of foundation.

Promotion and Support for the Expansion of the Korea Railway Industry into the Overseas Market

- Select the companies participating the overseas railway project.
- Composing the International Cooperation Committee and managing the fund.
- Supporting Korean companies thereby hosting the international railway project seminar and conference.



Services for its members and Support of Internal & External Exchanges and Cooperation

- Holding the “New year ceremony” for Railway people annually.
- Holding “The Day of Railroad” to be memorial the first railway operation day at the Korean peninsula.
- Participating the big event related railway industry within fifth in the world.

Education and Training for Railway Sector Experts

- KORASS support the universities that cultivating the railway people, graduate school and undergraduate school.
- Designing and establishing training courses in international railway operations, including international project order processes, project finance, legal aspects, risk management and rail terminology.



KORASS MEMBERS

Government owned

MOLIT, Korea Rail Network Authority(KR), Korea Railroad Corporation(KORAIL)

State-owned

Seoul Metro, Busan Transportation Corporation and other state-owned railway operators

Private Companies

Hyundai, Daewoo, Samsung, POSCO, Daelim, SK, etc
Construction, Signal, Electricity, Design.
Consulting, Track, Rolling stock, Railway Operator



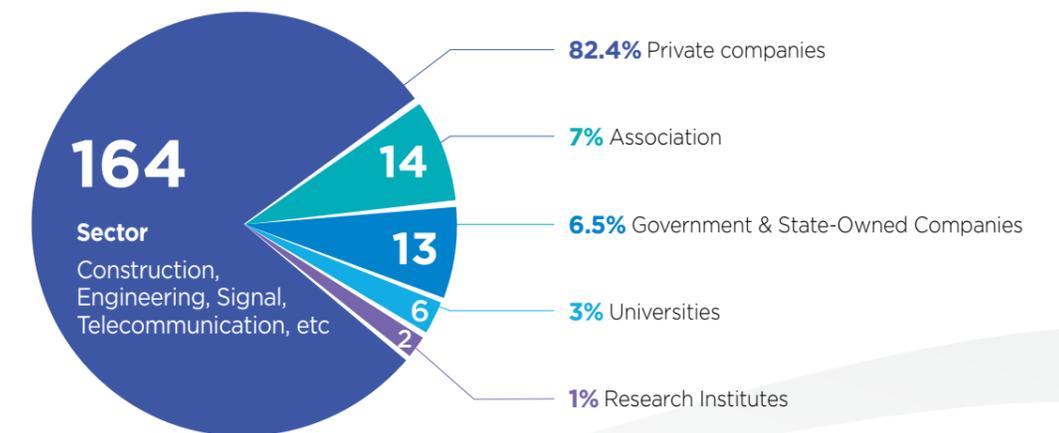
Research Institutes

Korea Railroad Research Institute(KRRI), Korea Transport Institute(KOTI)

Universities

Korea Advanced Institute of Science and technology(KAIST),
Korea National University of Transportation, National University of Science and Technology, etc

ALL MEMBERS



Total : 199

04
+ MEMBERS OF KORASS

BOARD OF DIRECTORS



Vision

We strive to become one of the best ministries trusted by the Korean public by providing the grounds for happy lives based on a livable territorial environment and convenient transport and logistics service.

Mission

Our mission is to construct a transport and logistics network that advances into the worwur future generations and establishing a transport and logistics system that reaches out to the world.

Main Business

- + Housing & Land
- + Construction
- + Water Resources
- + Roads & Public Transportation
- + Railway
- + Aviation

Contact Points

Ministry of Land, Infrastructure and Transport
International Railway Team
www.molit.go.kr



Vision

Realize Faster! Safer! And More Convenient! Rail Network

Mission

Connect the world with rail

Build a rail network as a platform to connect people, cultures and Business all around the world by constructing domestic and overseas rail lines as well as Trans-Korean lines.

To create

Create all kinds of tangible and intangible values from railways by continuous technology R&D and passionate efforts.

Happiness for the public

Provide happiness for the public by enhancing public transport convenience and contributing to economic development.

Main Business

- + Railway Construction(High-Speed rail, conventional rail, etc.)
- + Railway Facilities Improvement
- + Facilities and Asset Management
- + R&D on Safety and Technology for the Rail Industry
- + Station Area Development
- + Innovative Project Management : GIS Project Management System(GPMS), System Engineering(SE) Overseas Railway Projects

Contact Points

Address

242 Jungang-ro, Dong-gu, Daejeon, Korea

www.kr.or.kr



Vision

KORAIL for the welfare of the nation

- + By realizing customer values creatively and improving organizational health innovatively.
- + We will establish sustainable management system to become the world's best railway and to improve the welfare of the nation.

Mission

Korean railway together with human, the world and the future

- + We provide safe and convenient railway transport services
- + Offer station-centered living and cultural spaces
- + Establish an international railway network connecting the continent and create better life for customers and the new future of Korea.

Core Values

Safety First, Customer Satisfaction, Change and Challenge

- + We prioritize safety over work performance.
- + We prioritize improved customer satisfaction in all services.
- + We relentlessly change and challenge in performing tasks.

Management Policies

Surplus Management, Absolute Safety, Creative Management, Organizational Innovation

- + Surplus management: Reduce debt and become a competitive public corporation through business profit
- + Absolute safety: Establish the world's best and safest railway based on cutting-edge technology
- + Creative management: Improve national welfare through win-win and convergence management such as creative economy of KORAIL's
- + Organizational innovation - create a new corporate culture of cooperation and coexistence through fundamental organizational innovation

Contact Points

Address

240 Jungangno, Dong-gu, Daejeon 34618, Korea

info.korail.com



Vision

To contribute to the development of our country and to improve the quality of life of people through future transportation technology that can change the world.

Managerial Objective

Commercialization-focused R&D through organizing convergence research
Strengthening support for small-and medium-sized businesses to vitalize the railroad industry
Developing creative/core technologies and railroad systems focusing on market demand

Performance Goal

Practicing transparent management focusing on performance and convergence [Management]
Developing core railroad technology that is market-focused and society/economy-leading

Contact Points

Address

176, Cheoldobangmulgwan-ro, Uiwang-si, Gyeonggi-do, Korea
Tel.+82-31-460-5000 Fax.+82-31-460-5159
www.krri.re.kr



Vision

A core research institute that plays a crucial role in establishing national transport and logistics policies based on knowledge management and research system oriented toward fusion and synergy.

Mission

The Korea Transport Institute(KOTI) is an official research agency for the government of the Republic of Korea. The mission of KOTI is to provide recommendations and alternatives for the nation's transport policy and to create the optimal transport system through specialized research and technical innovations, while positioning itself as one of the world's leading transport research institutions.

Main Business

FUTURE TRANSPORT STRATEGY RESEARCH

- Leading Future National Transportation Policy
- + Future Society outlook and forecast
- + Establishment and discovery of national future transport policy strategy
- + Sustainable Transport Research Center
- + Transport Law Research Center

TRANSPORT BIG-DATA RESEARCH

- Data-Driven for Future Transport
- + Building and managing a national transport DB system
- + National traffic surveys and demand analysis
- + National transport DB and statistical analysis

RAILWAY TRANSPORT RESEARCH

- Creating Customized Rail Network Plans for Global Markets
- + Railway industry and relevant policies
- + Rail operating technologies
- + KTX economic zone study

Contact Points

Address

370 Sicheong-daero, Sejong-si, 30147, Republic of Korea
TEL : +82-44-211-3114 FAX : +82-44-211-3222
english.koti.re.kr



- Construction
- Design & Supervision

CONSTRUCTION



GS E&C

GS E&C has contributed to the balanced national development by executing various public and private civil engineering and SOC projects. We have linked every corner of the Republic of Korea by constructing the Kyungbu high speed rail, maglev lines, the fully automated Uijeongbu Light Rail, and Daegu Metro Line 3, Korea's first mass transit monorail.

www.gsenc.com



HYUNDAI E&C

The Jeong-ji over-bridge on the Honam High Speed Railway Section 2-3 is the longest railroad bridge in Korea, and most of the sections were constructed using PSM(Precast Segment Method). The section that crosses local road 68 was constructed as an extradosed bridge by applying the cable bridge to the railroad bridge for the first time in Korea.

www.hdec.kr



DAELIM INDUSTRIAL

Daelim Industrial is construction company with the longest history in Korea, and also listed in the Top 100 since its inception in 1955. Daelim maintained its position in the Korean Construction Ability Evaluation top 10 over the past 55 years. Daelim is leading global contractor in Korea, with track records of construction projects in 35 countries.

www.daelim.co.kr

DESIGN & SUPERVISION



SAMAN

SAMAN carries out planning, design and supervision services of the track-related works including rail bed for high-speed railway, national main line railway, metropolitan railway and metro and also does the same services for the construction of train depots required for electric trains, high-speed trains, Light Rail Transit, locomotives, passenger/freight cars, etc.

www.samaneng.co.kr



YOOSHIN

YOOSHIN has participated in numerous railway projects : double-tracking improvement projects for nine arterial railway lines including the Gyeongbu Railway Line and the Honam Railway Line subway construction projects in 6 large cities New railway construction projects such as the Donghae Line, the Seongnam-Yeosu Line, the Wonju-Gangreung Line; the Trans-Korean Railway Projects(linking the Gyeongui Railway Line and the Donghae Railway Line), and LRT projects of 4 lines including the Gimhae Line and the Yongin Line.

www.yooshin.com



KRTC

KRTC was established in 1965 as the Korea Railroad Engineering Association under the approval of the Minister of Transport and has been leading the railway technology development and modernization projects in Korea. KRTC is a railroad specialized engineering company converted into a corporation under the government's rail reform policy in 2004.

www.krtc.co.kr



- Electrical, Signalling & Communication
- Operation

ELECTRICAL, SIGNALLING & COMMUNICATION



LSIS

We guarantee all our customers a safe and affluent life and a happy future by supplying them with convenient smart energy. We are leading the way towards a new future through innovations that exceed our customers' expectations. We are creating an efficient convenient future through ICT convergence and the integration of sophisticated technologies. We are creating an abundant future by delivering safe clean energy.

www.lsis.com



HYOSUNG

Hyosung Power & Industrial Systems Performance Group has secured a competitive capability in transformers, switchgears, motors, industrial pumps and wind energy business, boasting a world-leading technology in the global power industry.

www.hyosung.co.kr



SR

SR was founded in December 2013 and launched its service in 2016. From 2016, SR operate SRT over the Gyeongbu high speed line and the Honam high speed line. Each train consists of 10 cars including the power and passenger cars, and the company plans to run a fleet of 32 trains. SR has 3 Station that Suseo station, Dongtan station, Jije station.

www.srail.co.kr



AIRPORT RAILROAD CORPORATION

Airport Railroad operates Incheon Airport Railroad that runs 58km between Seoul Station and Incheon Int'l Airport Station. Incheon Airport Railroad has a total of 12 stations and City Airport Terminal in Seoul Station and is operated by two train systems: one is Express Train that runs nonstop between Seoul Station and Incheotn Int'l Airport Station and the other is All stop Train that stops at all 12 stations. Express Train and All stop Train are totally different from their interiors to their fares and services.

www.arex.or.kr



BUSAN TRANSPORTATION CORPORATION

Busan Transportation Corporation, which has co-constructed and co-operated Korean metro railways, is leading the future of the world's metro railways with its abundant experience and project management know-how accumulated for over 30 years, and seamlessly conducts optimized PM, O&M, and SE with a One-Stop System that manages the whole process from planning, to designing, construction, test-operation, operation and maintenance.

www.humetro.busan.kr



- Rolling Stock Manufacturing
- Research & Education

ROLLING STOCK MANUFACTURING



HYUNDAI ROTEM COMPANY

Our Railway Division supplies various types of railway vehicles, including EMUs, high speed trains, LRVs, DMUs, locomotives, and passenger coaches and freight trains, not only domestically but also to 35 countries across the world. It has localized the core electrical equipment of railway vehicles and produces various electrical systems, including total train control systems, traction motors, propulsion control systems and auxiliary power units.

www.hyundai-rotem.co.kr



WOOJIN INDUSTRIAL SYSTEM

WOOJIN was establishment in 1974, we have focused on manufacturing rolling stock equipments through continuous research and development and quality improvement. We were able to manufacture core equipments for electric multiple unit and electric locomotive then introduced to the market, where at the time solely depended on foreign products.

www.wjis.co.kr

RESEARCH & EDUCATION



KOREA NATIONAL UNIVERSITY OF TRANSPORTATION

Through the integration of academic disciplines forming railroad system, the college fosters Korea's best talents specialized in railroad with both ability and personality necessary for competitiveness and industrial settings in the era of international railroad.

www.ut.ac.kr



SEOUL NATIONAL UNIVERSITY OF SCIENCE & TECHNOLOGY

Under the graduate school specialization policy support of the Ministry of Education & Human Resources Development, we aim to produce a high quality professional workforce in the industrial field related to railroad technology at low cost and high efficiency.

gsrst.seoultech.ac.kr



KOREA TRANSPORTATION SAFETY AUTHORITY

As an organization that strives to provide safe and comfortable lives to the citizens, Korea Transportation Safety Authority(TS-established 1981.7.1.) implements various transportation safety projects to protect valuable lives and properties of the people in Korea throughout all modes of transportation including automobiles, flights and trains.

www.ts2020.kr