

SEOWOO CONSTRUCTION INDUSTRY

2023 PRESENTATION



SEOWOO CONSTRUCTION INDUSTRY

01. COMPANY OVERVIEW
02. BUSINESS FIELD
03. ORGANIZATION STRUCTURE
04. CONSTRUCTION PORTFOLIO
05. QUALIFIED ENGINEER LIST
06. OTHERS



The Global Rail Construction Company



01 Name : SEOWOO Construction Co., Ltd.

05 Main office : Gumcheon district, Seoul

02 Establishment : September, 1983

06 Factory : Daejeon Metropolitan city

03 Representative : Jong-geun, Lee

07 Employees : 73

04 Capital : 1.28 billion KRW

Professional Fire-fighting Facilities

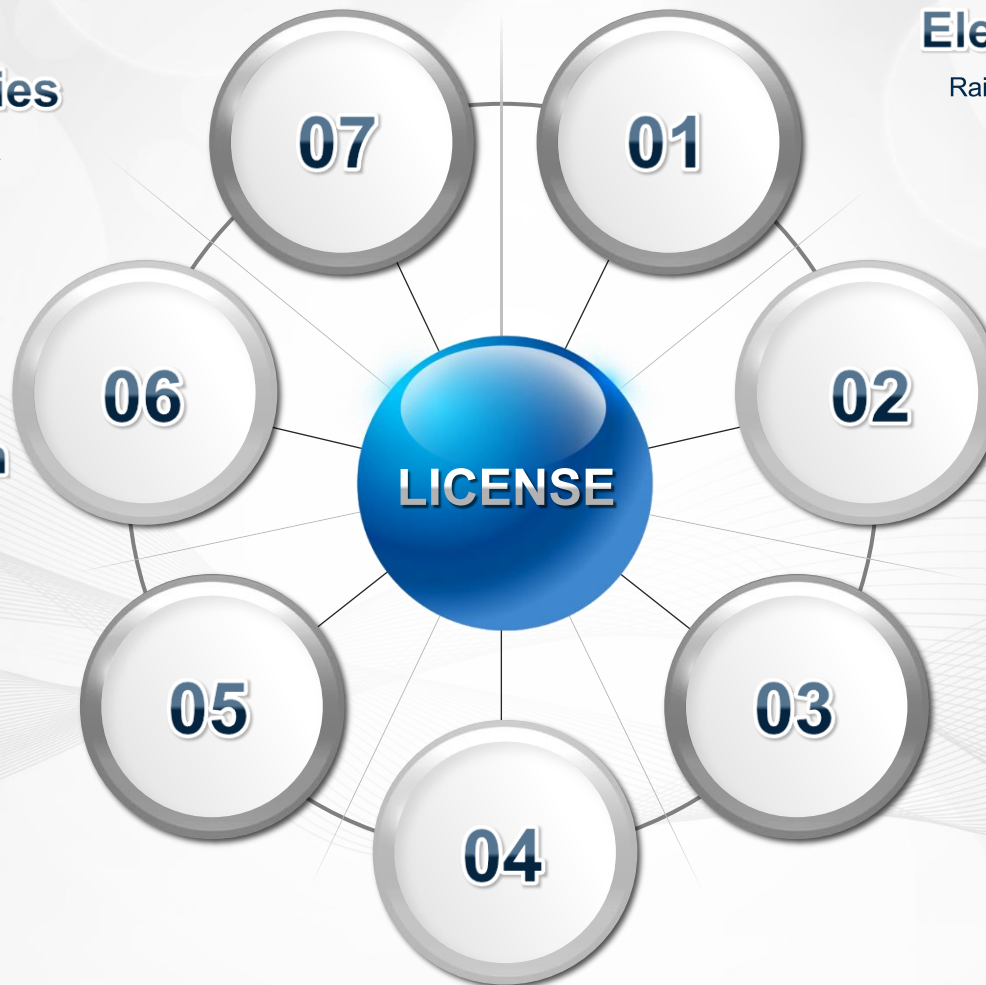
- Indoor/outdoor fire hydrant equipment
- Sprinkler fire extinguishing equipment
- Halon fire extinguishing equipment
- Powder fire extinguishing equipment
- Automatic fire detecting equipment
- Exit light and emergency light
- Professional

Telecommunication Construction

- Telecommunication Construction

Manufacturing

- Electronic interlocking equipment
- Railroad signal products



Electrical Construction

- Railroad (subway) electrical signal system
- Railroad (subway) catenary
- Underground transmission/distribution
- Electrical system inner/outer line
- Road traffic signal equipment
- Distribution overhead equipment

S/W Industry

- Package S/W integration, supply
- System integration
- Software related services

Engineering

- Railroad signaling
- Electric railroad (Catenary, electricity)

Construction

- Construction

ELECTRICAL CONSTRUCTION

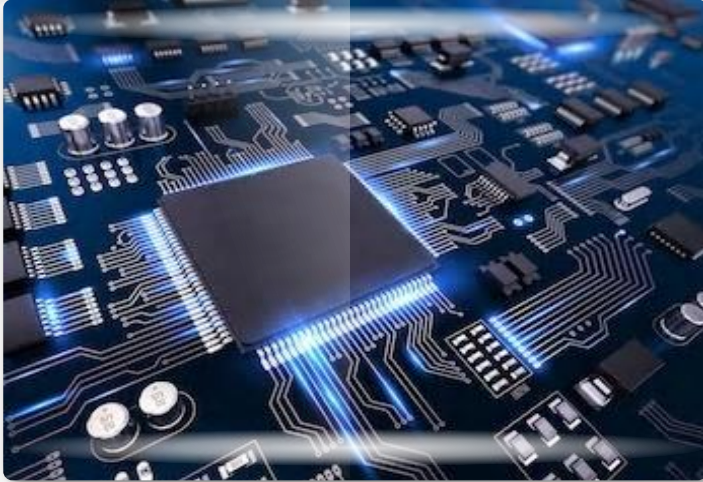
- Railroad (Subway) Electrical Signal System
- Railroad (Subway) Catenary
- Underground Transmission/Distribution
- Electrical System Inner/Outer Line
- Road Traffic Signal Equipment
- Distribution Overhead Equipment
- Transmission



PROFESSIONAL FIRE-FIGHTING FACILITIES

- Indoor/Outdoor Fire Hydrant Equipment
- Sprinkler Fire Extinguishing Equipment
- Halon Fire Extinguishing Equipment
- Powder Fire Extinguishing Equipment
- Automatic Fire Detecting Equipment
- Exit light and Emergency Light
- Repair and Auxiliary Constructions
accompanying each item above





MANUFACTURING

Electronic Interlocking Equipment
Railroad Signal Products



SOFTWARE

System Integration
Package S/W Integration, Supply
Software Related Services





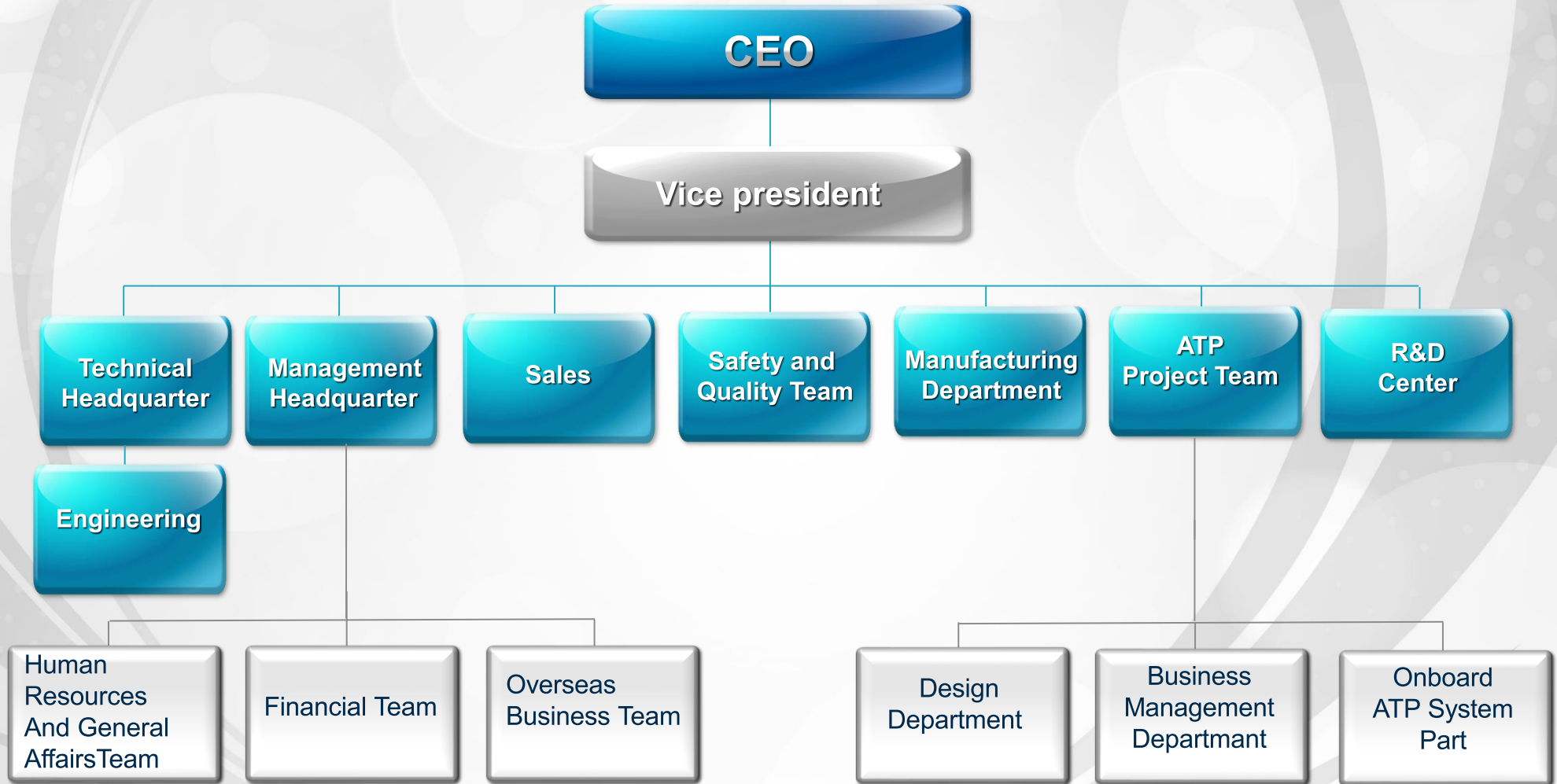
ENGINEERING

Railroad Signaling
Electrical Railroad
(Catenary, Electricity)



TELECOMMUNICATION CONSTRUCTION

ORGANIZATION STRUCTURE



1) Construction Contracts

| | Construction name | Contract amount | End customer | Contract date |
|----|---|-----------------|-------------------------------|---------------|
| | Signaling | | | |
| 1 | Construction for ATP systems in between Dodam and Andong | 102 | KRNA | Dec, 2018 |
| 2 | Construction for ATP systems in Pohang-Samcheok Railway Construction between Yeongdeok and Samcheok | 77 | KRNA | Aug, 2019 |
| 3 | Purchase and Installation of Vehicle Detection Signal Devices for Sosa-Wonshi Electric Cars. | 141 | KRNA | Mar. 2020 |
| 4 | Construction for ATP systems in Gyeongjeon Line between Jinju and Gwangyang. | 84 | KRNA | May. 2020 |
| 5 | Construction for ATP systems for Double-Track Railway on Seohae Line between Hongseong and 106th Station. | 99 | KRNA | Jun. 2020 |
| 6 | Construction for ATP systems of Improved Train Control System in Gyeongbu Line between Sindong and Daegu. | 52 | KRNA | May. 2021 |
| 7 | Construction for ATP systems of Improved Train Control System in Gyeongbu Line between Daegu and Gacheon. | 74 | KRNA | May. 2021 |
| 8 | Construction for ATP systems of Improved Train Control System in Gyeongbu Line between Gacheon and Samsung. | 62 | KRNA | May. 2021 |
| 9 | Signal and Security Equipment Construction for Byeollae Line (Line 8 Extension, Phase 2). | 25 | Seoul Metropolitan Government | Jun. 2021 |
| 10 | Construction for ATP systems in Samsung to Dongtan High-Speed Rail. | 43 | KRNA | Sep. 2022 |

(unit: hundred million) KRW

1) Construction Contracts

| | Construction name | Contract amount | End customer | Contract date |
|----|---|-----------------|--------------|---------------|
| | Signaling | | | |
| 11 | Construction for ATP systems for Donghae Line Electrification Project between Pohang and Yeongdeok. | 48 | KRNA | Sep. 2022 |
| 12 | Improvement Work for Vehicle Detection Signal System to Support K TCS-2 Railway Balise. | 34 | KRNA | Oct. 2022 |
| 13 | Signal Equipment Improvement and Other Work at Bundang Rolling Stock Depot for Conventional Railways. | 86 | KRNA | Nov. 2022 |
| | Total amount | | 927 | |

(unit: hundred million) KRW

1) Construction Contracts

| | Construction name | Contract amount | End customer | Contract date |
|---|---|-----------------|---|---------------|
| | General input / output wiring | | | |
| 1 | Electrical, Fire Protection, and Telecommunication Construction for Hwaseong City Hall 4th Cooperative Housing Project (Phase 2). | 79 | SEOHEE CONSTRUCTION INDUSTRY CO.,LTD | Feb. 2021 |
| 2 | Electrical, Fire Protection, and Telecommunication Construction for New Housing in Yeonsan, Busan. | 48 | SEOHEE CONSTRUCTION INDUSTRY CO.,LTD | May. 2021 |
| 3 | Electrical Construction for Yangsan Sasong A-4BL Apartment Complex (Phase 5). | 58 | LH | Jul. 2021 |
| 4 | Electrical Construction for Modernization of 21st Marine Corps Electrical Facilities (Project No. 3089). | 68 | the Armed Forces Financial Management Corps | Oct. 2021 |
| 5 | Electrical, Fire Protection, and Telecommunication Construction for Incheon Ganghwa 1st Residential Complex | 87 | SEOHEE CONSTRUCTION INDUSTRY CO.,LTD | Feb. 2022 |
| 6 | Electrical, Fire Protection, and Telecommunication Construction for Incheon Ganghwa 2st Residential Complex | 23 | SEOHEE CONSTRUCTION INDUSTRY CO.,LTD | Feb. 2022 |
| 7 | Electrical, Fire Protection, and Telecommunication Construction for Gwangju Yongdu 2nd Regional Housing Complex. | 37 | SEOHEE CONSTRUCTION INDUSTRY CO.,LTD | Apr. 2022 |
| | Total amount | | 400 | |

(unit: hundred million) KRW

1) Construction Contracts

| | Construction name | Contract amount | End customer | Contract date |
|---|--|-----------------|---------------------------|---------------|
| | Power supply | | | |
| 1 | 2019 High-Voltage A Construction for Southwest Seoul Regional Headquarters. | 105 | KEPCO | Dec. 2018 |
| 2 | Railroad Power Equipment Relocation Construction for the Improvement of Five Bridges Outside Mihochen on Chungbuk Line. | 63 | KRNA | Aug. 2019 |
| 3 | Railroad Electrification Project from Jinju to Gwangyang, Including the New Construction of Rail Line from Bukcheon to Hadong. | 98 | KRNA | Dec. 2019 |
| 4 | Electric Work for the Main Line of Gwangju Urban Rail Line 2, Phase 1 (Rail Line Section 1). | 29 | Gwangju Metropolitan City | Apr. 2021 |
| 5 | Electric Work for the Main Line of Gwangju Urban Rail Line 2, Phase 1 (Rail Line Section 3). | 24 | Gwangju Metropolitan City | Apr. 2021 |
| 6 | High Voltage B Construction for Seoul Main Office Dongdaemun-Jungnang Branch in 2023. | 43 | KEPCO | Jan. 2023 |
| | Total amount | | 362 | |

(unit: hundred million) KRW

2) Completed Construction

| | Construction | Duration | Contract amount | Remarks |
|---------------------|--|-----------|-----------------|---------|
| 1 | Construction for signaling | 2013~2023 | 2,222 | |
| 2 | Construction for power supply | 2013~2023 | 252 | |
| 3 | Construction for Inside/outside wiring | 2013~2023 | 530 | |
| Total amount | | | 3,004 | |

(unit: hundred million) KRW

2) Completed Construction

| | Construction name | Orderer | Contract amount | Completion |
|----|---|---------|-----------------|------------|
| | Signaling | | | |
| 1 | Construction for onboard ATP systems in Kyungbu-Honam line | KORAIL | 715 | May. 2013 |
| 2 | Construction for bi-directional ATP systems in Kyungbu line | KORAIL | 110 | Nov. 2013 |
| 3 | Construction for Signaling equipment in Donghae-Nambu line: Busan to Ilgwang | KRNA | 28 | Aug. 2014 |
| 4 | Construction for Signaling equipment in Honam high speed: Gongju to Iksan | KRNA | 23 | Mar. 2015 |
| 5 | Construction for Signaling equipment in Honam high speed: Jeongeup to Gwanju-Songjeong | KRNA | 111 | Apr. 2015 |
| 6 | Construction for ATP systems in Donghae line: Singyeongju to Pohang | KRNA | 42 | Apr. 2015 |
| 7 | Relocation construction for signaling equipment downtown Daejeon in the stage 2 of Kyungbu high express | KRNA | 82 | Jun. 2016 |
| 8 | Construction for ATP systems from Sunghnam to Yeosu | KRNA | 70 | Oct. 2016 |
| 9 | Unit price contract for installing ATP systems in diesel locomotives | KORAIL | 46 | Sep. 2016 |
| 10 | Construction for signaling system in double track from Sunghnam to Yeosu | KRNA | 62 | Oct. 2016 |
| 11 | Construction for signaling equipment in metropolitan high speed from Suseo to Dontan | KRNA | 73 | Dec. 2016 |
| 12 | Construction for signaling equipment in metropolitan high speed from Dongtan to Pyeongtak | KRNA | 53 | Dec. 2016 |
| 13 | Construction for signaling equipment in Busan-Ulsan double track from Bujeon to Ilgwang | KRNA | 89 | Dec. 2016 |

2) Completed Construction

| | Construction name | Orderer | Contract amount | Completion |
|----|--|---------|-----------------|------------|
| | Signaling | | | |
| 14 | Lump-sum contract for Centralized Traffic Control (Honam line, Metropolitan) | KRNA | 21 | Jun. 2017 |
| 15 | Construction for ATP systems to convert the existing line into high speed for Pyeongchang olympic from Sinwon to Seowonju | KRNA | 91 | Mar. 2018 |
| 16 | Construction for ATP systems in Wonju-Gangreung railway from Pyeongchang to Gangreung | KRNA | 70 | Mar. 2018 |
| 17 | Construction for ATP systems in Wonju-Gangreung railway from Pyeongchang to Daegallyeoung | KRNA | 64 | Mar. 2018 |
| 18 | Construction for ATP systems in Gwangju Songjeong to Gomakwon Section. | KRNA | 52 | May. 2019 |
| 19 | Construction for ATP systems of Bi-directional Signal Equipment Construction on Gyeongui Line between Sinchon and Hwajeon. | KRNA | 12 | May. 2019 |
| 20 | Total Contract for Construction for ATP systems (Donghae to Cheongnyangni Signal Box) | KORAIL | 29 | Dec. 2019 |
| 21 | Construction for ATP systems in Ganggyeong to Noryeong on Honam Line. | KRNA | 180 | Oct. 2020 |
| 22 | Construction for ATP systems in Jecheon to Dodam on Jungang Line. | KRNA | 44 | May. 2021 |
| 23 | Construction for ATP systems in Double-Track Subway on Daegu Line. | KRNA | 69 | Mar. 2022 |
| 24 | Construction for ATP systems (Yongmun to Yangdong). | KORAIL | 12 | Nov. 2022 |
| 25 | Signal equipment improvement and other construction works on the Bundang Line between Seonreung and Moran. | KRNA | 74 | Feb. 2023 |
| | Total amount | | 2,222 | |

2) Completed Construction

| | Construction name | Orderer | Contract amount | Completion |
|----|---|--------------------------------------|-----------------|------------|
| | General input / output wiring | | | |
| 1 | Electrical construction for Goyang-Wonheung A6 apartment in section 3 | LH | 60 | Oct. 2013 |
| 2 | Construction for urban living residence in Ewha W univ station | SEOHEE CONSTRUCTION INDUSTRY CO.,LTD | 7 | Jul. 2014 |
| 3 | Electrical construction for Guri-Galmae B1 apartment in section 1 | LH | 48 | Mar. 2016 |
| 4 | Construction for new studio apartment in Yongdapdong | SEOHEE CONSTRUCTION INDUSTRY CO.,LTD | 9 | Jul. 2016 |
| 5 | Construction of Pohang Ocheon Cooperative Housing. | SEOHEE CONSTRUCTION INDUSTRY CO.,LTD | 27 | Mar. 2019 |
| 6 | Construction of Yangsan Jujin Cooperative Housing. | SEOHEE CONSTRUCTION INDUSTRY CO.,LTD | 33 | Sep. 2019 |
| 7 | Electrical work for Hanam Gamil A4BL Apartment, 4 units. | LH | 45 | Dec. 2019 |
| 8 | Construction of Gwangju Opo Cooperative Housing. | SEOHEE CONSTRUCTION INDUSTRY CO.,LTD | 36 | Feb. 2020 |
| 9 | Electrical work for Chuncheon Wood B-2BL Apartment, 2nd Phase. | LH | 42 | Jun. 2020 |
| 10 | Construction of Daejeon Seokbong Cooperative Housing. | SEOHEE CONSTRUCTION INDUSTRY CO.,LTD | 56 | Aug. 2020 |

(unit: hundred million) KRW

2) Completed Construction

| | Construction name | Orderer | Contract amount | Completion |
|----|--|--------------------------------------|-----------------|------------|
| | General input / output wiring | | | |
| 11 | Construction of Namyangju Bupyeong Cooperative Housing, Unit 1. | SEOHEE CONSTRUCTION INDUSTRY CO.,LTD | 45 | Apr.2022 |
| 12 | Electrical, Fire Protection, and Communication Construction for Hwas eong City Hall, Block 3. | SEOHEE CONSTRUCTION INDUSTRY CO.,LTD | 56 | Nov.2022 |
| 13 | Electrical, Fire Protection, and Communication Construction for Yongi n Myeongji Station Regional Housing, Unit 1. | SEOHEE CONSTRUCTION INDUSTRY CO.,LTD | 66 | Mar.2023 |
| | Total amount | | 530 | |

(unit: hundred million) KRW






2) Completed Construction

| | Construction name | Orderer | Contract amount | Completion |
|---|--|-------------|-----------------|------------|
| | Power supply | | | |
| 1 | Extension work in the west for catenary in Daegu metro line number 1 | Daegu metro | 13 | Jun. 2016 |
| 2 | Construction for electric equipment in Suwon-Incheon double track from Songdo to Incheon | KRNA | 24 | Aug. 2016 |
| 3 | Construction for Kimpo Urban Railway Tram Line (3rd Rail) Installation. | KRNA | 153 | Jul. 2019 |
| 4 | 345kV Shinmasan Substation Switch Replacement and Associated Transmission Line Withdrawal/Change Construction. | KEPCO | 29 | Dec. 2019 |
| 5 | 154kV Iri-Jeonju Transmission Line Partial Undergrounding and Steel Tower Replacement Construction. | KEPCO | 22 | Jun. 2020 |
| 6 | Central Line Insulation Equipment Upgrading Construction between Haejeon and Chuncheon. | KORAIL | 9 | Feb. 2021 |
| 7 | Replacement of Overhead Catenary and Anti-Slack Device on Gyeongju High-speed Railway. | KORAIL | 2 | Feb. 2022 |
| | Total amount | | 252 | |

(unit: hundred million) KRW

QUALIFIED ENGINEER LIST

Status of qualifications

| Qualifications | Electrical construction | Railway signal | Electric railway | Fire-fighting facilities | Safety management | Telecommunication construction | Remarks |
|---|-------------------------|----------------|------------------|--------------------------|-------------------|--------------------------------|---------|
| Specialized  | 15 | 13 | 8 | 5 | 1 | 1 | |
| Advanced  | 18 | 9 | 3 | 7 | 0 | 1 | |
| Intermediate  | 7 | 3 | 4 | 1 | 0 | 0 | |
| Elementary  | 14 | 23 | 7 | 1 | 5 | 2 | |
| CRAFTSMAN  | | | | | | | |
| Total numbers | 54 | 48 | 22 | 14 | 6 | 4 | |

Certificate of Quality Management System

CERTIFICATE OF REGISTRATION
품질경영시스템 인증서

(주)서우건설산업
본사: 서울특별시 금천구 시흥대로 63길 60 (시흥동)
공장: 대전광역시 대덕구 신일서로 45 (신일동)

인증번호 **AK15QM1814**

적용표준 **ISO 9001:2015 / KS Q ISO 9001:2015**

인증범위

- 전기공사, 소방공사, 정보통신 공사와 그 유지보수
- 전기, 전자, 철도 신호, 철도 차량, 신호제품의 제조
- 철도 전기, 철도 신호 관련 설계, 전기 관련 엔지니어링 및 소프트웨어 개발과 자문, 시스템 통합, 프로젝트 매니지먼트

위와 같이 품질경영시스템 표준에 적합함이
에이케이인증원에 의해 인증되었음을 증명함

• 인증발급일자 : 2021년 04월 20일
• 인증등록일자 : 2012년 07월 29일
• 인증만료일자 : 2024년 07월 28일

에이케이인증원장

에이케이인증원
서울특별시 금천구 구로동 73번길 10 (시흥동) 109-31
서울시영등포구 영등포동 12가 120-15 (영등포동)
TEL. 02-608-0541 FAX. 02-608-1213

CERTIFICATE OF REGISTRATION
QUALITY MANAGEMENT SYSTEM

This is to certify that
The Quality Management Systems of
SEOWOO CONSTRUCTION INDUSTRY CO., LTD.
at
Main Office: 60, Siheung-daero 63-gil, Geumcheon-gu, Seoul, Republic of Korea
Factory: 45, Sinilseo-ro, Daedeok-gu, Daejeon, Republic of Korea

Certificate No. **AK15QM1814**

Standard **ISO 9001:2015 / KS Q ISO 9001:2015**

Scope of Certification

- * Construction of Electrical, Fire Fighting, and Telecommunication, Maintenance for these activities.
- * Manufacturing of Electric & Electronic products, Railway vehicles and Signaling products.
- * Electrical railway, Railway signal-related design, Electrical engineering, Development of software and Technical consultation for these activities, System integration and Project management.

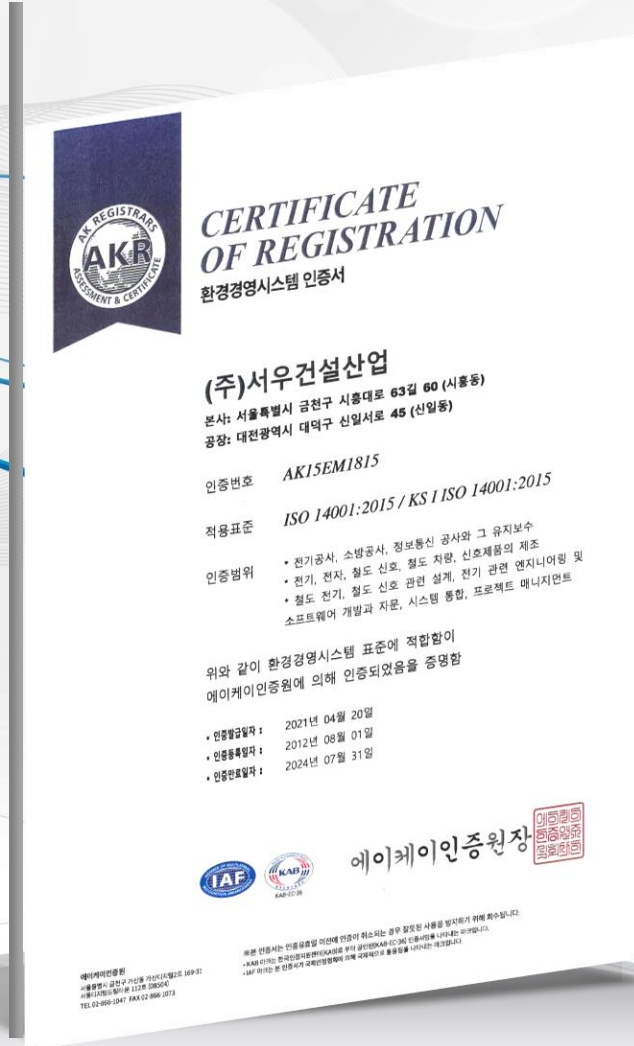
• Issue Date : 20/04/2021
• Certification Date : 29/07/2012
• Valid Date : 28/07/2024

Min Chul Choi
Chief Executives, AK Registrars

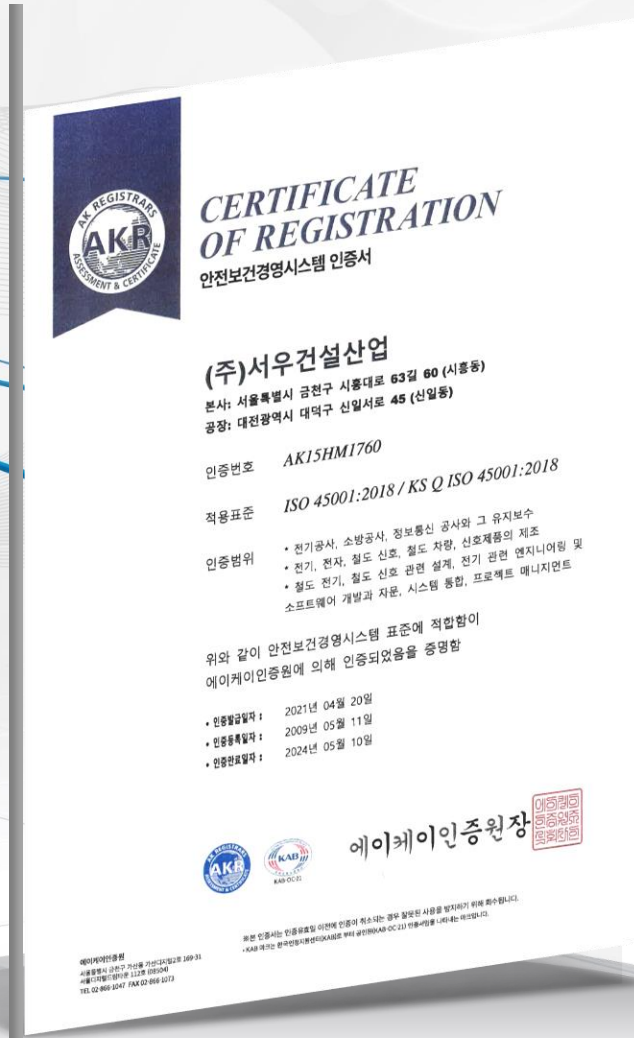
This Certificate has been issued by AK Registrars
112 Itaewon, 101-11, Gaecheon-dong 2-gil,
Geumcheon-gu, Seoul, Korea 01534
TEL. 82-2-608-0541 FAX. 82-2-608-1073

* This certificate will be get back to prevent misuse, if the certificate is revoked prior to the validity date of the certificate.
* AK Registrars was assigned by the Korea Accreditation Board (KAB) as a quality management system certification body.
* The AK mark is a mark indicating that this certificate is internationally recognized by the International Accreditation Association.

Certificate of Environmental Management System



Certificate of Safety Management System



Award List

| | Issue Number | Commendation | Issuing house | Issuing data |
|---|--------------|--|---|--------------|
| 1 | No. 24105 | Commendation: to be awarded in fulfilling his line of duty and of his contribution to the development of the railway industry | Minstry of Land, Infrastructure and Transport | 18.06.28 |
| 2 | No. 3445 | Commendation: to be selected as the outstanding corporation in the field of railway construction | Korea Rail Network Authority | 17.12.26 |
| 3 | No. 2192 | Commendation: to be selected as the outstanding corporation in the field of construction | Korea Rail Network Authority | 12.05.03 |
| 4 | No. 1933 | Commendation: to be selected as the outstanding corporation in the field of construction | Korea Rail Network Authority | 11.03.25 |
| 5 | No. 6899 | Commendation: for contribution to the development of the national industry | President Myungbak, Lee | 10.10.28 |
| 6 | No. 657 | Commendation: to be selected as the outstanding corporation in the field of construction | Korea Rail Network Authority | 06.03.16 |
| 7 | No. 153634 | Commendation: for contribution to the development of the national industry | President Moohyun, Ryo | 05.09.23 |
| 8 | No. 145 | Commendation: for contribution to the project of Kyung-bu high speed railway and the development of the construction industry | Korea High-Speed Rail Construction | 03.03.07 |
| 9 | No. 175 | Commendation: for contribution to the technological development of electrical railway | Commissioner of Korean National Railroad | 02.02.31 |

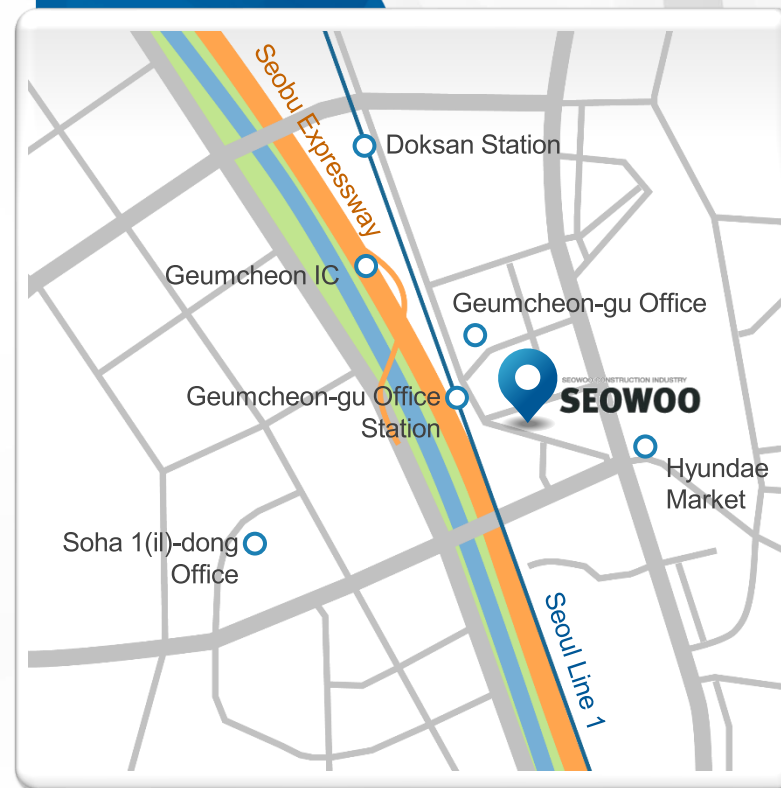
Company Location

Factory



- 45, Sinilseo-ro, Daedeok-gu, Daejeon, Republic of Korea
- Tel : 042) 935-9941 Fax : 042) 935-9943

Main office



- 60, Siheung-daero 63-gil, Geumcheon-gu, Seoul, Republic of Korea
- Tel : 02) 808-3983~5 Fax : 02) 804-2163

THANKYOU

We Look Forward to share the future together

