

CREATE
THE VALUE
SHAPE
THE FUTURE



Beyond engineering for a better tomorrow

Dohwa pursues the happiness of its members
based on advanced technology and
challenges to be the world's best.

CONTENTS

We

- 01 History of DOHWA
 - 02 CEO Message
 - 04 Management Philosophy
 - 06 Company Overview
 - 08 Global Business
-

Create the value

- 10 Service Area
 - 12 Business Portfolio
 - 14 Water
 - 22 Urban
 - 30 Transportation
 - 38 Energy
-

Shape the future

- 48 Technology Development
- 50 Social Contribution
- 52 Value Management

History of DOHWA

Since its establishment in 1957, DOHWA Engineering Co., LTD. (Dohwa) has grown alongside with the history of Korea's National Development Plan. Having accumulated experience and expertise in civil engineering, we are taking every step to become the best comprehensive engineering company that leads the global market, standing shoulder to shoulder with our global peers.

1957

1957 - 1979

- 1957** • Established 'Dohwa Design Office'
- 1962** • Company name changed to 'Dohwa Consulting Engineers Co., LTD.'
- 1965** • Received the 'Prime Minister's Commendation' for contribution to the development of construction industry and improvement of technology
- 1975** • Established a branch office in Teheran, Iran
- 1976** • Appointed by the Ministry of Science and Technology as the 'Promotion Institution for international expansion'
- Registered with the IBRD (International Bank for Reconstruction and Development)
- Registered with the ADB (Asian Development Bank)

1980 - 1999

- 1981** • Company name changed to 'Dohwa General Technology Corporation'
- 1985** • Registered with AfDB (African Development Bank)
- 1987** • Received the 'Presidential Medal of Industrial Merit (Bronze Tower)' for contribution to the development of the construction industry
- 1987** • Obtained the ISO 18001 Certification
- 1997** : SGS YARSLEY INTERNATIONAL CERTIFICATION SERVICES LTD.
In the sector of water and sewage, construction, electrical machines and instruments, environment, water resources, soil quality, and road
- 1998** • Received the 'Letter of Appreciation from the President' for contribution to the development of the national industry through the regional water supply system project
- Received the 'President's Medal of Honor' for contributing to the development of the national industry through the construction of the Daegu subway

2000 - 2009

- 2001** • Received the 'Award for excellence in service' by the Minister of Construction and Transport
- 2003** • Obtained the ISO 9001 certification (CRK-Q1-255)
- Appointed as 'Excellent construction company with low accident rate of 2002' by the Ministry of Labor
- Won CM (Construction Management) contract of 'The Incheon International Airport Project (Phase 2)', a first for a Korean construction company
- 2004** • Obtained the ISO 14001001 (CRK-E1-067) Certification
- Awarded the silver medal for 'Civil Engineering Structure of the Year' by the Korean Society of Civil Engineers - Gunjang New Port Breakwater
- 2005** • Received the 'Letter of Appreciation from the President' for the contribution to the development of the national industry and the promotion of the construction industry
- Received the 'Letter of Appreciation from the President' for contribution to the development of the national industry through the development of road construction technology
- Received the 'Presidential Medal (Hongjo Geunjeong Hunjang)'
- 2007** • Received the 'Letter of Recognition from the President' for the contribution to the development of the national industry through the construction of multi-regional water sanitation
- Received the 'Letter of Appreciation from the President' for contribution to the development of the national industry through the discovery of new construction technology

2010 - 2020

- 2010** • Received an award at the Busan International Architecture Festival: Gadeokdo's work
- Listed in KOSPI, Korea Composite Stock Price Index
- Received the 'Presidential Medal' as a leading company in job creation
- 2011** • Company name changed to 'Dohwa Engineering Co., LTD.'
- 2013** • Received the silver medal for 'Civil Engineering Structure of the Year' by The Korean Society of Civil Engineers: Daedong Hwamyung Bridge
- 2014** • Received the 'MOT Letter of Appreciation' for the detailed design and supervision of the GMS Vietnam South Coastal Corridor project
- Received the 'Civil Engineering Grand Prize' by the Korean Society of Engineers for contribution to the development of construction technology
- Declared 'NEW VISION 2020'
- 2015** • Obtained OHSAS (Occupational Health and Safety Assessment System)
- Received the 'Presidential Medal of Industrial Merit (Gold Tower Order)' for contribution to the development of the construction industry through the promotion of construction technology
- 2017** • Named 'World Class 300'
- 2018** • Won the GTX-A contract as a FI (Financial Investor)-led engineering company, a first in Korea
- 2019** • First company in Korea to sign a PMO (Project Management Office) contract, New Chinhero International Airport construction in Peru
- Chosen by the Minister of Land, Infrastructure and Transport as the 'Best Example of International Construction': the feasibility study of the bridge linking the island and mainland in Oman
- 2020** • Received 'Gold Tower Order' for contribution to the development of overseas construction and plant industry
- Declared 'VISION 2030'

CEO Message

Greetings. I am Young Yoon Kim, CEO of Dohwa Engineering.

Established in 1957, Dohwa is the first civil engineering company in Korea. At the foundation of our company lies three core values: People, Collaboration and Creativity.

From the very beginning, Dohwa has played a pivotal role in the growth and development of Korea's civil and construction engineering industry, contributing also to technological advancements. Despite various hardships and rapid changes the industry went through, both domestic and international, we have successfully executed numerous projects through constant challenge and innovation.

Furthermore, based on the wealth of experience and knowledge accumulated throughout the years, we are taking the lead in promoting Korea's advanced technology to the world by entering the global market. Establishing a system and infrastructure in preparation of the Fourth Industrial Revolution, Dohwa is working ceaselessly to develop projects that would prove valuable in the future.

Our challenge to extend our reach beyond Korea and become the best in the world continues by expanding our main business area to include business development, FEED (Front-End Engineering Design), PMC (Project Management Consulting), EPC (Engineering, Procurement, and Construction), O&M (Operation and Maintenance) to name a few.

Dohwa will continue to pursue technology that would benefit both humanity and the environment and ensure the best possible quality to its customers and the rest of the world. At the same time, we will also conduct our business in a way that would meet the society's ethical standards and fulfil our social responsibilities to shareholders, stakeholders and local communities.

Thank you.

Kim, Young Yoon

Chairman & CEO, Dohwa Engineering Co., LTD.

김영준

Leading the future of the global E&C industry
with technology for nature and people



Management Philosophy

Mission

We value people and nature

“Create a future for a safe and happy life”

Dohwa, setting the new standard in engineering.
From Korea’s first to the world’s best,
a global company aiming to design the future that humankind dreams of.



Park, Seung Woo
Vice-Chairman & CEO, Dohwa Engineering Co., LTD.

보람
가능
우주

Vision 2030

Create the Value, Shape the Future

2030 World Top-tier

Dohwa pursues the happiness of its members
based on advanced technology and
challenges to be the world’s best.

Core Value



People

‘Human-Centered Design’, which puts people first, is the driving force behind Dohwa’s ethical business management. Our management philosophy, which places people and nature above anything else, is realized through global human resources development and sustainable technology for the environment.

Collaboration

The solidarity built upon trust and consideration has laid the foundation for growth. All of our executives and employees work together to make Dohwa the best in the industry.

Creativity

Meaningful and lasting technologies are born from ‘creative thinking’ that does not settle for the present but sees it from a new perspective. We will leap forward as the leading comprehensive engineering company and pioneer the future with progressive actions and creative thinking.

Company Overview as of 2020-12-31

Dohwa is striving to create the best value without settling on previous achievements.

We are growing into the world's best engineering company through global human resource development and investments in new technology development, as well as efficient business operation and constant innovation.



No. of Employees

2,253



No. of Engineers

2,031



No. of Professional Engineers

566

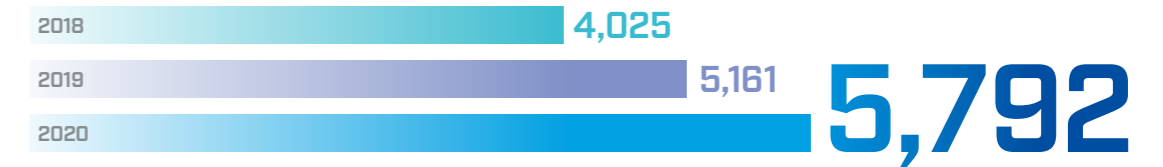


No. of Fulfilled Projects

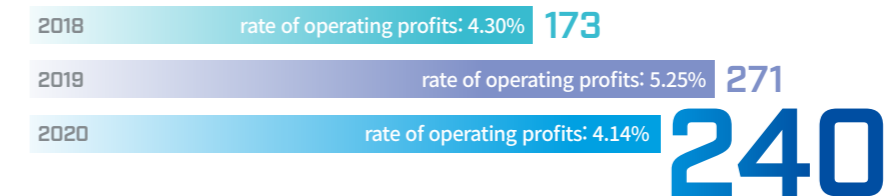
13,662

Summary Financial Statements (consolidated)

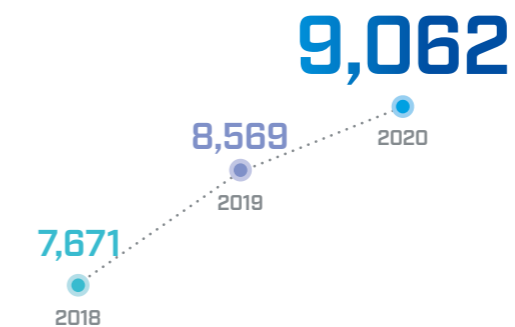
Revenue Unit: KRW 100 million



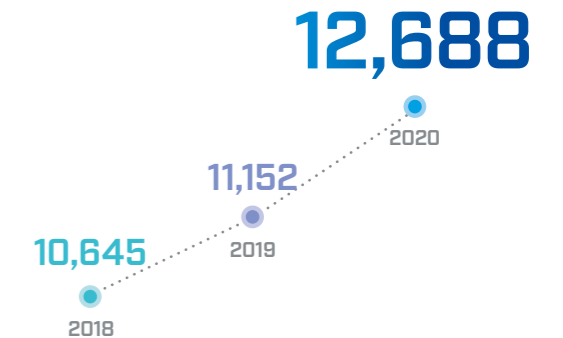
Operating Profit Unit: KRW 100 million



New Order Unit: KRW 100 million



Order Balance Unit: KRW 100 million



Credit Rating

as of 2020-12-31

A2+

Corporate Paper (NICE credit rating)

AA+

Corporate Credit Rating (NICE D&B)

Global Business

Dohwa operates 30 subsidiaries and branch offices around the world and has successfully completed over 600 global projects. As the No.1 company in terms of the amount of the award from the international projects among Korean companies, it is attributable to the increase in PMC, EPC, CM (Construction Management), O&M business, and the first entry of the PPP (Public-Private-Partnership) and IPP (Independent Power Producer) field in cooperation with leading companies both domestic and overseas countries. We are spurring the expansion of overseas business areas, such as winning the contract for the first intergovernmental project (G2G) PMO business in Korea.

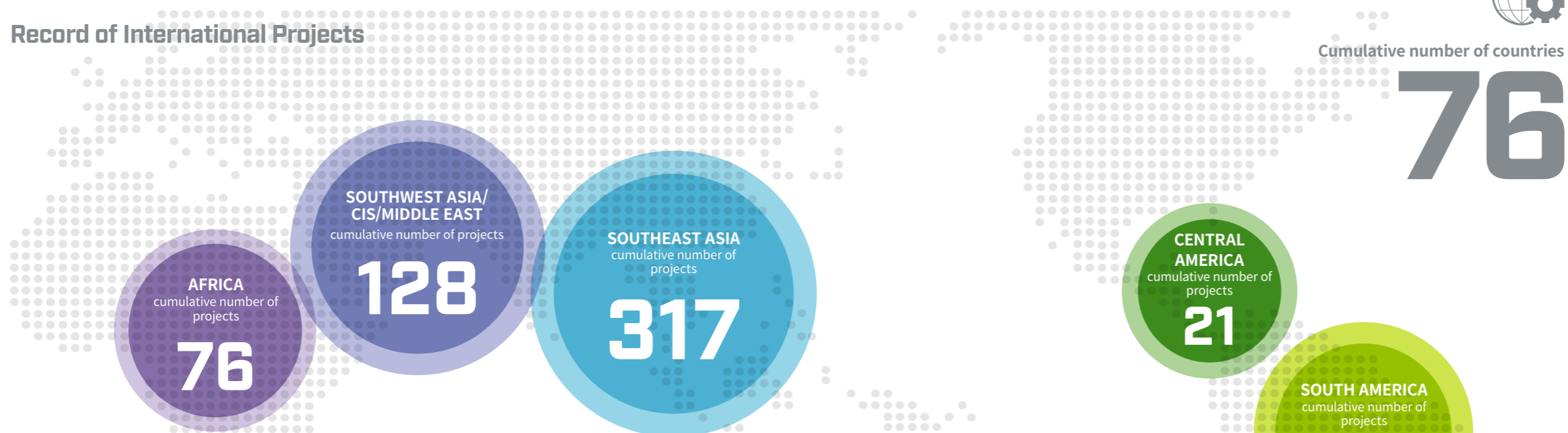


Chosen by global construction magazine ENR

- Ranked 74th out of Top 225 International Design Firms in 2020 (Revenue from the International Projects)
- Ranked 84th out of Top 150 Global Design Firms in 2020 (Revenue from the Domestic and International Projects)



Record of International Projects



Overseas Offices

AFRICA

- Mozambique**
Maputo, Mozambique
- Algeria**
Algiers, Algeria
- Uganda**
Kampala, Uganda
- Kenya**
Nairobi, Kenya
- Tanzania**
Dar es Salaam, Tanzania

ASIA / MIDDLE EAST / CIS

- Bangladesh**
Dhaka, Bangladesh
- Vietnam**
Hanoi, Vietnam
Ho Chi Minh, Vietnam
Dong Hoi, Quang Binh
- Sri Lanka**
Colombo, Sri Lanka
- Oman**
Muscat, Oman
- Ukraine**
Kyiv City, Ukraine
- India**
Greater Noida, India
- Indonesia**
Jakarta Selatan, Indonesia
Jawa Barat, Indonesia
- Japan**
Osaka, Japan
- Georgia**
Tbilisi, Georgia
- China**
Xi'an, China
- Kazakhstan**
Almaty, Kazakhstan
- Pakistan**
Islamabad, Pakistan
Azad Kashmir, Pakistan
- Philippines**
Metro Manila, Philippines

AMERICA

- Nicaragua**
Managua, Nicaragua
- Bolivia**
La Paz, Bolivia
- El Salvador**
San Salvador, El Salvador
- Colombia**
Bogota, Colombia
- Panama**
Panama City, Panama
- Peru**
Lima, Peru
- USA**
California, USA
Illinois, USA

29

Record of Projects (according to the source of funds)

Source of Funds	Accumulated Projects
WB	41
ADB	32
K-Exim	39
KOICA	24
EDCF	16
KIND	4
JICA	4
AFDB	2
AIIB	1
EBRD	2
IDB	1

Key Achievements by Region

AFRICA

- Nairobi Central Railway Station and its Surroundings, Kenya
- Bole-lemi and Kilinto Industrial Parks, Ethiopia
- Central Rail Corridor, Tanzania
- Dar es Salaam Sewerage Treatment, Tanzania
- Maputo Water Pipeline, Mozambique
- Abidjan Road Improvement and Capacity Building, Côte d'Ivoire

SOUTHWEST ASIA/CIS/MIDDLE EAST

- Akhaura-Laksam Double Track Railway, Bangladesh
- Kathmandu Valley Sewerage Treatment, Nepal
- Colombo Suburban Railway, Sri Lanka
- Rustavi-Tbilisi Road, Georgia
- Shanna-Masirah Marine Bridge, Oman
- Namangan Water Supply Facilities, Uzbekistan
- Highway M-5 (Kiev-Odessa), Ukraine

SOUTHEAST ASIA

- Quang Binh Le Thuy Photovoltaic Power Plant, Vietnam
- Iwaki, Hamada, Ryoma, Sendai, Yufu Photovoltaic Power Plant, Japan
- Korea-Myanmar Friendship (Dala) Bridge, Myanmar
- Angat Water Transmission Improvement, Philippines
- GMS Road Modernization, Myanmar
- KTH Biomass Fired Power Plant, Indonesia

CENTRAL AMERICA

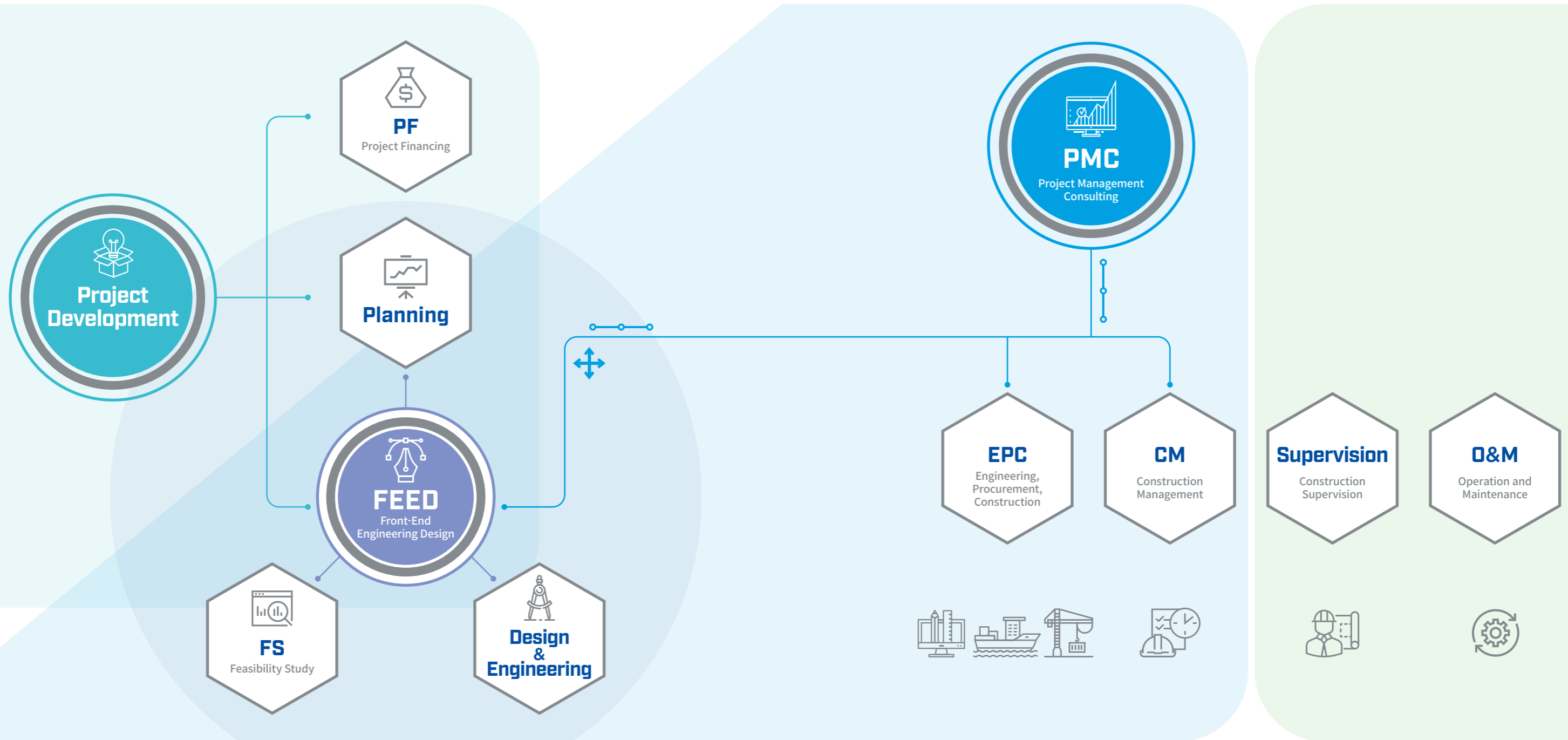
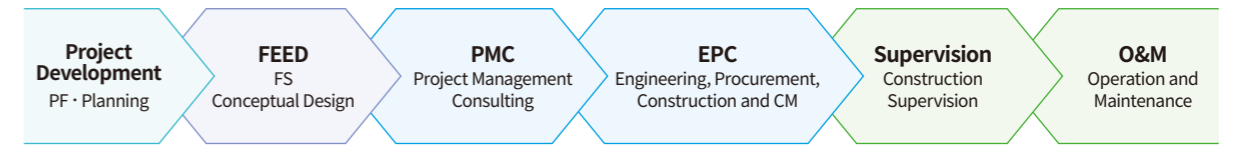
- Juigalpa Sewerage Treatment, Nicaragua
- San Benito Road, Nicaragua
- Eastern Dry Area PMC, El Salvador
- San José Metropolitan Commuter Railway, Costa Rica
- Panama Metro Line 3, Panama
- Bluefields Sewerage Treatment, Nicaragua

SOUTH AMERICA

- Lima Metro Line 2, Peru
- New Chinchero International Airport PMO, Peru
- Iquitos-Saramirza Highway, Peru
- Port of Pucallpa, Peru
- Banegas Bridge, Bolivia
- New city behind Bogotá's New El Dorado International Airport, Colombia
- Cangallo Road, Peru

Service Area

Based on high-level technology and accumulated experience, Dohwa offers professional services such as project development and study, planning, feasibility study, PMC, design, analysis, procurement, construction, construction project management, operation and maintenance.



Business Portfolio

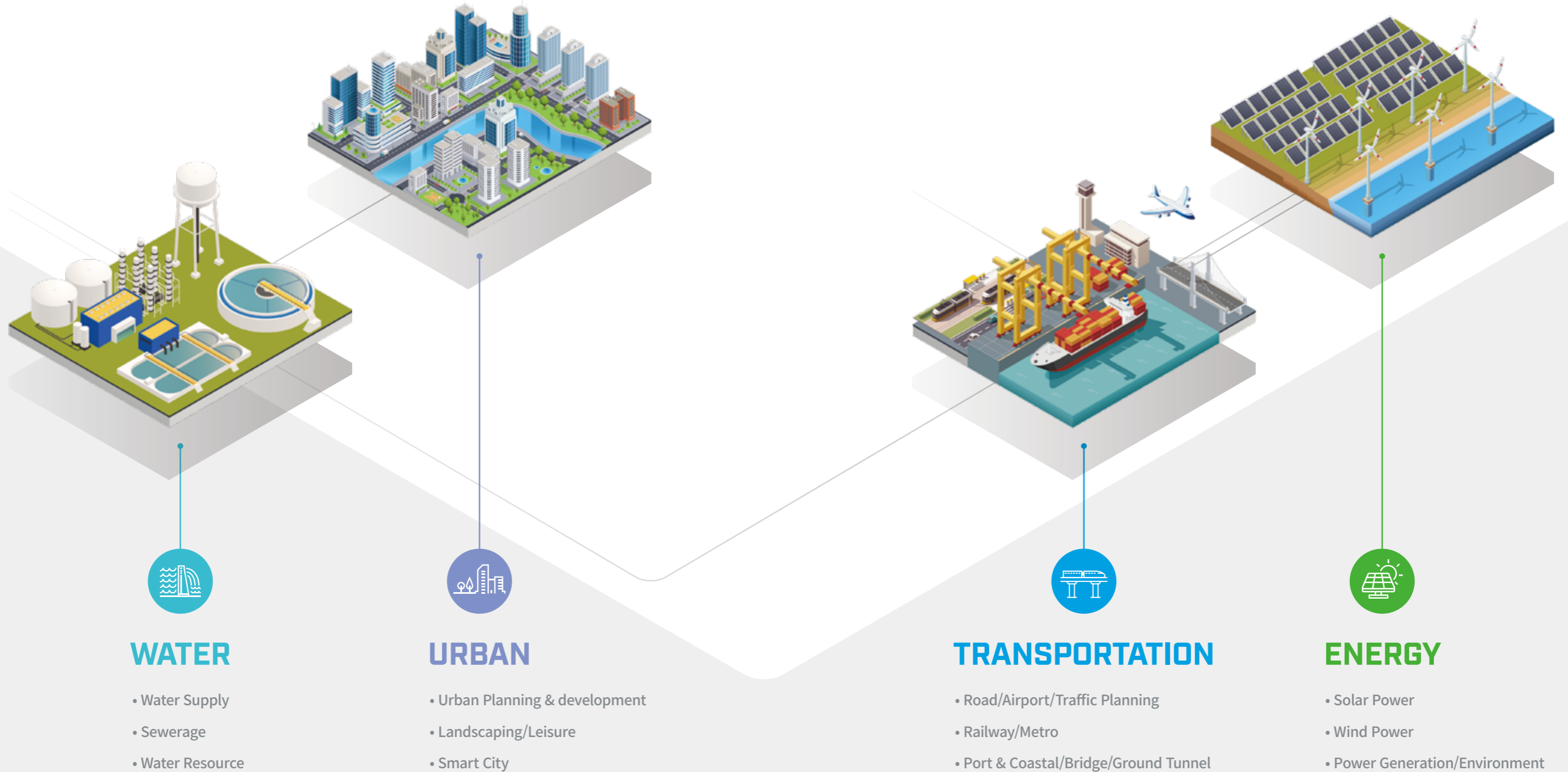
Water, creating clean and safe water.

Urban, enhancing the value and dignity of life.

Transportation, connecting time and space for a faster and more convenient.

Energy, developing energy to protect the natural environment.

We create value for a better future in all areas of SOC (Social Overhead Capital).



Water Sector

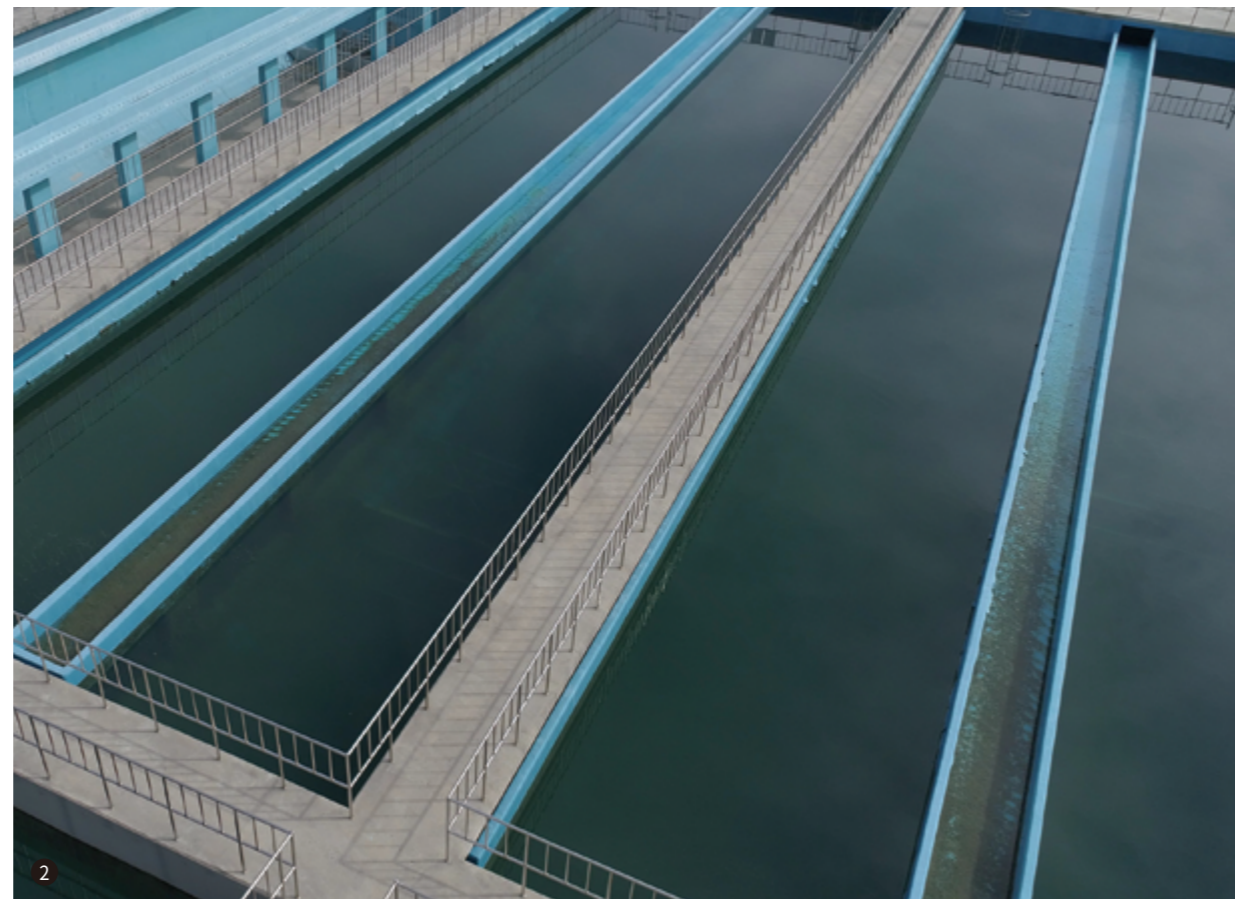
- Water Supply
- Sewerage
- Water Resource (Rivers/Disaster Prevention/Dams/Hydropower)

WATER





1



2



3

Water Supply

Dohwa, renowned in the domestic water supply and sewerage sector, plans, designs, and supervises water supply facilities nationwide, including wide-area waterworks, which is a major social infrastructure that responds to the rapidly increasing water demand.

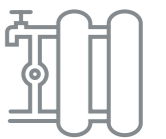
Our company has completed feasibility studies and prepared designs for waterworks facilities in the Jeonju, Ulsan, and Gwangyang areas, including Daecheong Dam. We contribute to improving public water welfare by developing alternative water resources such as seawater desalination and riverside filtered water, advanced water treatment that supply high-quality water, and modernization of old water facilities.

Dohwa has also successfully carried out overseas water supply development projects in Nepal, Indonesia, Vietnam, Kyrgyzstan and Myanmar. Dohwa is leading the way in building a new era of advanced waterworks by addressing climate change and designing integrated water management systems.



← Preliminary and Detailed Designs for the Water Supply System Adjustment Project of Han River Downstream Basin (2nd) 2009. 09 ~ 2011. 12

- Stable water supply by utilizing surplus water in Seoul metropolitan area to resolve the imbalance in water supply and demand between regions
- Location: Pyeongtaek, Hwaseong, Anseong and Osan, Gyeonggi-do
- Project Features: Water purification plant (Q=260,000m³/day)
- ① Concentration tank ② Sedimentation basin ③ Overview of water treatment plant



Key Achievement

PROJECT	COUNTRY	SERVICE
• Multi-Regional Water Supply Reliability Improvement Project for Metropolitan Area (Phase 2)	Korea	Design
• Geumsan & Muju Area Multi-Regional Waterworks Project	Korea	Design
• Chungju Dam Industrial Water Supply Project (Phase 2), Intake and Water Purification Facility Construction Project	Korea	Design
• Ansan Water Purification Plant Advanced Treatment Facility & Plant Expansion Project	Korea	Design
• Danyang Water Purification Plant Modernization Project	Korea	Design
• Daecheong Dam System (Phase 3) Multi-Regional Waterworks Project Section 3	Korea	Design
• Seoul Yeongdeungpo Water Purification Center Reconstruction and Advanced Water Treatment System Construction	Korea	Design
• Samyang Water Source No.3 Advanced Water Treatment Facility Construction Project	Korea	Design
• Han River Downstream Basin (2nd) Water Supply Facility Adjustment Project	Korea	Design
• Hanam Water Purification and Advanced Water Treatment Facility Construction Project	Korea	Design
• Metropolitan Water Supply Reliability Improvement Project 2nd Stage (Section 1)	Korea	Design
• Dong Nai Water Supply Construction Project (2nd)	Vietnam	Design
• Yangon Hlaingthaya Township Water Supply Facility Construction Project	Myanmar	FS
• Issyk-Kul Lake Water and Sewage Project	Kyrgyzstan	Design/Supervision
• Navoi Free Industrial Economic Zone Water and Sewer Construction Project	Uzbekistan	FS
• Kathmandu Valley Waterworks Improvement Project	Nepal	Design/Supervision
• Karian Serpong Conduit and Water Purification Plant Construction Project	Indonesia	Design
• Yeongsan Gangwon (2nd) Water Supply System Adjustment Project	Korea	Design
• Daegu Water Industry Cluster Industrial Water Intake and Purification Plant Construction Project	Korea	Design
• Gyeongnam Busan Area Multi-Regional Waterworks Project (Intake and Water Supply Facilities)	Korea	FS
• Busan Water Supply Maintenance and Technical Diagnosis of Water Purification Plant	Korea	MP
• Daecheong Dam Line Multi-Regional Water Supply Cheonan Water Purification Plant Advanced Water Treatment System Project	Korea	Design
• Busan 2050 Future High-Tech Smart Water Purification Plant Construction Project	Korea	MP
• Daejeon Wolpyeong Water Purification Plant Advanced Water Treatment System Project	Korea	Design
• Han River Downstream Basin (3rd) Water Supply System Adjustment Project	Korea	Design
• Incheon Gongchon Water Purification Advanced Water Treatment Facility Construction Project	Korea	Design
• Seoul Ttukdo Water Purification Center Modernization and Advanced Water Treatment Facility Construction Project	Korea	CM
• Seongnam Bokjeong Water Purification Plant Expansion Construction Project	Korea	CM



Sewerage

As a leading company representing the domestic Sewerage sector, from metropolitan and municipal areas to basin water management, we have established a wide range of Sewerage system maintenance plans.

We are actively responding to technical and institutional requirements in the design of sewage treatment facilities and sewers, such as advanced treatment process for sewage treatment plants and modernization of facilities, Sewerage reclamation, Build-Transfer-Lease (BTL) sewer maintenance, and also carry out detailed investigation of old sewage pipes. We provide the optimal total solution.

We have extended our global market to Bangladesh, Nepal, Tanzania, Cambodia, Nicaragua, and Indonesia, contributing to the improvement of residents' living environment and conservation of water quality in the outfall water. Dohwa is striving to conserve water quality at home and abroad, thereby realizing a sustainable resource recycling society.

- ↑ **Ansan Public Sewage Treatment Facility Management** 2017. 04 ~ 2023. 03
- Public sewage treatment facility operation and management. Preventing water pollution in public waters caused by urban and industrial sewerage.
- **Location:** Ansan area, Gyeonggi-do
- **Project Features:** Ansan Wastewater Treatment Plant (Q=534,000m³/day) and Daebu Wastewater Treatment Plant (Q=3,000m³/day)

Key Achievement

PROJECT

- Osan 2 Wastewater Treatment Facility Construction Project
- Gunsan 2nd National Industrial Complex Wastewater Treatment Plant (1st Stage) Construction
- Gumi Hi-Tech Valley Sewerage Treatment Facility (1st Stage) Construction
- Pagla Sewerage Treatment Project
- Juigalpa Sewerage Treatment Project
- Kathmandu Valley Sewerage Treatment Project
- Thai Hoa Drainage and Sewage System Construction
- Ciliwung Riverway Restoration Pilot Project
- Colombia 130,000 ton/day Sewerage Treatment Plant Construction
- Seoul Jungnang Water Reclamation Center 3rd Stage (Phosphorus) Treatment Plant Installation Project
- Operation and Management for Seongnam/Pankyo Water Restoration Center
- Operation and Management for Ansan Public Sewerage Treatment Plant
- Seoul Sewerage Rehabilitation (Alteration)
- Han River Downstream Basin Supply System Adjustment Project
- Daejeon Sewage pipes Maintenance (BTL)
- Gumi Central Sewage Treatment Facility (BTO)
- Ulsan Petrochemical Industrial Complex Buffer Storage Facility Installation
- Dar es Salaam Sewerage Treatment Project
- Takhmau Sewerage Treatment Plant Construction Project
- Seoul Seonam Water Recycling Center Modernization Project

COUNTRY

SERVICE

- | | |
|------------|--------------------|
| Korea | Design |
| Korea | Design |
| Korea | Design |
| Bangladesh | FS/Design |
| Nicaragua | Design/Supervision |
| Nepal | Design/Supervision |
| Vietnam | Design |
| Indonesia | Design |
| Colombia | FS |
| Korea | Design |
| Korea | O&M |
| Korea | O&M |
| Korea | MP |
| Korea | MP |
| Korea | Design |
| Korea | Design |
| Korea | Design |
| Tanzania | Design/Supervision |
| Cambodia | Design/Supervision |
| Korea | CM |





Water Resource

Rivers/
Disaster Prevention/
Dams/ Hydropower

Starting with the 'Geum River Water System Okcheon Branch Water Resource Technology Survey' in 1961, we have been carrying out a number of projects related to domestic water resources and disaster prevention. Since the 2000s, we have also been actively participating in overseas river development, hydroelectric power, and flood control integrated planning projects.

With its outstanding technological prowess, Dohwa plays a leading role in comprehensive basin plan, basic river plan, comprehensive river development plan, flood risk map production, river disaster prevention and ecological river restoration project, basin survey, dam survey and design, maintenance water security, flood control site, drainage pumping station, hydropower business, comprehensive planning for natural disaster reduction, measures to reduce rainwater runoff, regeneration project for zones vulnerable to natural disaster, disaster impact assessment and disaster regeneration project analysis and evaluation, and emergency response plans.

- ↑ **Nakdong River Restoration Project (Section 18)** 2009. 06 ~ 2010. 04
 - Ensuring comprehensive countermeasures against drought and flood damage in the Nakdong River region
 - **Project Features:** Multi-functional beam (L567.5m×H15.2m), Small power plant (1,250kW×4 units)
- ↻ **Yeongcheon Dam Flood Control Capacity Enhancement Project** 2002. 05 ~ 2003. 03
 - Securing Dam System stability and flood control capability in the event of PMF (Probable Maximum Flood)
 - **Project Features:** Spillway (B30.0m×L503.7m), Water Gate (Steel Radial Gate, 3 gates)

Key Achievement

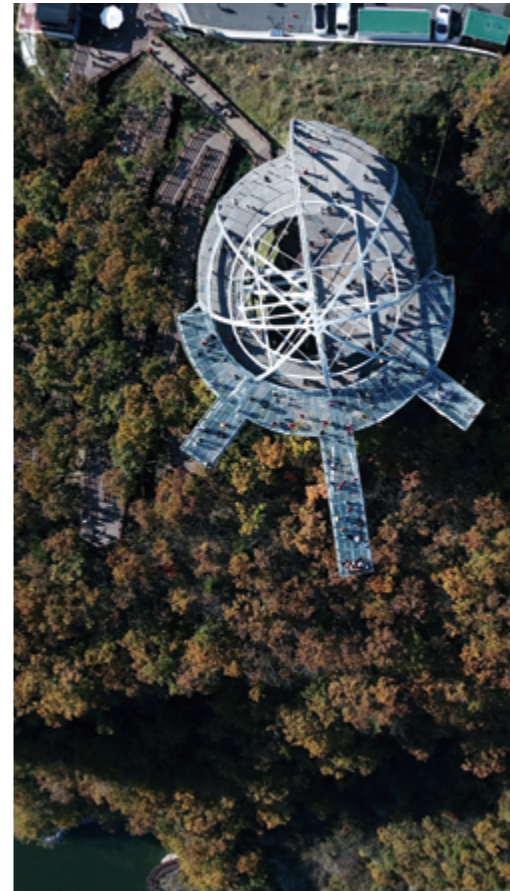
PROJECT	COUNTRY	SERVICE
• Namhan River Maintenance (Supplement) and River Ledger	Korea	Design
• 'River of Hometown' Hakjangcheon, Busan Improvement	Korea	Design
• Taehwa River (Eonyang-Seonbawi) Ecological Restoration Project	Korea	Design
• Geumho River Ecological Restoration Project (Section 1)	Korea	Design
• Shincheon-Kumho River Comprehensive Development	Korea	Design
• Hanoi Hong River Development	Vietnam	Design
• Seomjin River and Youngsan River Basin Survey	Korea	Design
• Youngsan River Restoration Project FS	Korea	Design
• Constantine River Maintenance/Algeria EXE (Working Design)	Algeria	Design
• Champasak Province Mekong River Area Comprehensive Management Project	Lao PDR	Design/Supervision
• Han River Flood Risk Map Development	Korea	Design
• Hwasun-gun Flood Control	Korea	Design
• A Study on the Elevation of Agricultural Reservoir, Jeonbuk Province	Korea	Design
• Yeonji area Rainwater Storage Facility Installation Project, Jeongeup	Korea	Design
• Hapcheon Chogye and Gahoe Flooded Area Recovery Project	Korea	Design
• Andong Cheonji Disaster Risk District Maintenance Planning Project	Korea	Design
• Seongnam Yeosu Stream and Dongmak Stream Maintenance Water Requirement Project	Korea	Design
• Gumi Industrial Complexes Rainwater Area Rainwater Storage Facility Installation	Korea	Design
• Dongducheon City's Flooding Prevention Scheme and Improvement and Recovery Project	Korea	Design
• Gangneung Science Industrial Complex Disaster Impact Assessment	Korea	Design(Evaluation)



Urban Sector

- Urban Planning & Development
- Landscaping/Leisure
- Smart City

URBAN 



Landscaping/Leisure

Dohwa is playing a leading role in developing creative and sustainable space that allows nature and humans to co-exist in harmony. From large-scale national projects such as the National Arboretum Development Project and Preliminary Design for Saemangeum Area Tourism & Leisure project to designing parks, tourist attractions, amusement parks, golf courses, ecological conservation and landscape planning.



Preliminary and Detailed Design for Danyang Mancheonha Skywalk Development Project 2012.06 ~ 2015.06
 • Creating an Experience-type Tourism Facility which is Integrated with the Natural Landscape
 • Location: 94 Aegok-ri, Jeokseong-myeon, Danyang-gun, Chungcheongbuk-do
 • Project Features: 1 Observation Deck (25m), 2 Zipline Courses (980m), Alpine Coaster (950m), etc.



2012 Yeosu World Expo Construction Management 2009.02 ~ 2009.10
 • Utilizing the sea for the second international exhibition held in Korea and creating an exhibition complex connected with exhibition facilities
 • Location: Sujeong-dong, Yeosu-si, Jeollanam-do
 • Project Features: 1,737,059㎡



Key Achievement

PROJECT

- Sejong National Arboretum Development Project
- Danyang Scenic Cultural Village Development Project
- Cheongsong Forest Leports Recreation Complex
- Icheon National Cemetery Expansion Project
- Hwaong Horse Park Construction Project
- Gwangju Central Park District 2, Park Development
- Geumho River Grand Plan
- Daegu Grand Park Development Project
- Let's Run Yeongcheon Park
- Geoje Jangmok Tourist Complex Development Project
- Danyang Mancheonha Skywalk Development Project
- Palgong Mountain Forest Leports Complex Development Project
- Hwaseong Eco Farmland with Horse-Riding Zone and Livestock R&D Complex Development
- Saemangeum Ecological Site Creation Project (Phase 1)
- Namwon Dragon Tourist Complex Construction Project
- Pohang City Park Development Project
- Namyangju Dasan New Town Landscape
- Yeongyang Mountain Village Culture Park Development Project
- Gyeongnam Masan Robot Land Construction Project
- 2012 Yeosu World Expo Construction Project

COUNTRY SERVICE

COUNTRY	SERVICE
Korea	Design
Korea	Design
Korea	Design
Korea	Design
Korea	Design
Korea	Design
Korea	Design
Korea	Design
Korea	Design
Korea	Design
Korea	Design
Korea	Design
Korea	Design
Korea	Design
Korea	FS
Korea	Design
Korea	Design
Korea	CM
Korea	CM





Smart City

Dohwa contributes to creating a future city that improves the quality of human life by presenting a smart city model that incorporates innovative technologies from the Fourth Industrial Revolution era. Providing consultation for urban and regional planning, new town, residential complex, industrial complex, logistics complex, tourism complex, urban renewal and maintenance and providing optimized solutions for fields such as smart transportation, energy, safety, environment and tourism to meet the different needs that each country or city might have.

- ↑ **Incheon Free Economic Zone Songdo Smart City**
- A global hub for Northeast Asia high-tech business and a high-tech business city utilizing innovative smart city technology
- **Location:** All areas of Songdo-dong, Yeonsu-gu, Incheon
- **Project Features:** 5,340ha

Key Achievement

PROJECT	COUNTRY	SERVICE
• Establishment of detailed development plan and pilot project design for Perfume River in Hue City	Vietnam	MP/Design
• Pilot Project for Urban Renewal Strategies in Vietnam	Vietnam	FS
• Hanoi Smart City Project	Vietnam	FS
• Social Housing Development Project in Vietnam	Vietnam	FS
• Dung Quat Urban Development Project	Vietnam	FS
• Establishment of Chau Giang Concept Master Plan	Vietnam	MP
• Central Java Textile Industrial Complex Construction Project	Indonesia	Design
• Establishment of Indore Super Corridor Construction Project	India	MP
• Anowara II, Sabarang Free Economic Zone Construction Project	Bangladesh	FS
• Ulaanbaatar Ger Area Urban Infrastructure Improvement Project	Mongolia	FS/Design
• Mongolia Rental Housing (Bayangonlin Am) Construction Project	Mongolia	FS
• 2018/19 Economic Development Knowledge Sharing Project (KSP) II, Policy Advisory Project Mongolia II	Mongolia	FS
• Tashkent Urban Development Project	Uzbekistan	FS
• Nairobi Central Station and Surrounding Area Construction Project	Kenya	MP
• Konza Smart Digital Media City (DMC) Construction Project	Kenya	FS
• Kenya Knowledge Sharing Project (KSP) and Trade Investment Policy Advisory	Kenya	FS
• Bole-lemi and Kilinto Industrial Complex Construction Project	Ethiopia	Design/Supervision
• Dire Dawa Industrial Complex Construction Project	Ethiopia	FS
• Alejandro Velasco Astete Cusco Airport Site Smart City Development Project	Peru	FS
• A New City Behind New Bogota El Dorado II Airport Construction Project	Colombia	MP





Transportation Sector

- Road/Airport/Traffic Planning
- Railway/Metro
- Port & Coastal/Bridge/Ground Tunnel

TRANS-PORTATION I



Road/ Airport/ Traffic Planning

Dohwa has successfully performed tasks in design, supervision and CM for domestic expressway, national highway and local road projects, including Gyeongbu Expressway and overseas projects that involve feasibility study, design, supervision, PMC and PMO. In total, we have successfully conducted over 60 projects so far. We were responsible for Incheon International Airport's 2nd stage construction project management, 3rd stage comprehensive project management and 4th stage Landside facility design. In Peru, we were in charge of PMO for the Peru Chinchero New Airport Project. With efficiency, we develop, operate and manage air and land traffic, which is critical to national transportation. In transportation planning, we provide services including comprehensive transportation planning, public transportation, transportation system improvement and traffic safety related projects as we pave the way for a human-centered, eco-friendly green transportation system.

- ↑ **Busan Outer Ring Expressway Construction Work Preliminary & Detailed Design (Section 7)** 2008. 12 ~ 2010. 06
 • Stimulating regional exchanges, eliminating traffic congestion, and maximizing logistics and transportation functions by connecting the coast and inland by securing a smooth connection towards the new port. • **Location:** Nopo-Dong, Geumjeong-Gu ~ Baekgil-Ri, Cheolma-Myeon, Gijang-Gun, Busan • **Project Features:** Expressway L=6.3km, 4 Lanes, 100km/hr, Nopo Junction, Geumjeong Intersection, 10 Bridges, 1 Tunnel, Uninterrupted Underpass, Ecological Tunnel
- ↻ **Incheon International Airport (Phase 3) Construction Management** 2011. 12 ~ 2017. 12
 • Overall project management, design supervision, and technical support in specialized fields for the 3rd phase of Incheon International Airport Construction • **Location:** Unseo-dong Area, Jung-gu, Incheon • **Project Features:** Site Creation, 2nd Passenger Terminal, Cargo Terminal, 2nd Passenger Apron, 2nd Cargo Apron, 2nd Passenger Terminal Parking Lot, Access Road (section 1, 2), T1-T2 Connection Road (section 1, section 2)

Key Achievement



PROJECT

- Sejong Pocheon Expressway (Sejong-Anseong) Construction Project (Section 9)
- Saemangeum-Jeonju Expressway Construction Project (Section 7)
- Pohang-Yeongdeok Expressway (Section 3)
- Sikman-Sasang (Daejeo Bridge) Road Construction
- Ulleungdo Coastal Ring Road Construction (T/K)
- Danang Quang Ngai Expressway Project
- Tbilisi-Rustavi Road Construction Project
- Loichangamatak-Lodwar Road Construction Project
- Iquitos-Saramiriza Road Construction Project
- Busega-Mpigi Expressway Construction Project
- Padang City Bypass Construction Project
- Chinchero New Airport Construction Project (PMO, G2G contract)
- Saemangeum New Airport Construction Project
- Incheon International Airport (Phase 4) Landside Facilities Construction Project
- Incheon International Airport (Phase 2 & 3) Construction Project
- Gangnam Beltway (BTO) Construction Project
- Sangju-Yeongdeok section of Highway Route 30 (Section 16-19) Construction Project
- Abidjan Road Improvement and Capacity Building Project Execution (PC)
- Comprehensive Plan for Public Transport Exclusive District Plot Area
- The Introduction of Tram in Seoul Metropolitan City
- Plan for Establishing Eco-Friendly Ground Roads and Establishing Traffic Management Strategies

COUNTRY SERVICE

COUNTRY	SERVICE
Korea	Design
Korea	Design
Korea	Design
Korea	Design
Korea	Design
Vietnam	PMC
Georgia	Design/Supervision
Kenya	Design/Supervision
Peru	FS
Uganda	Design/Supervision
Indonesia	Design/Supervision
Peru	PMO
Korea	FS
Korea	Design
Korea	CM
Korea	Supervision
Korea	Supervision
Côte d'Ivoire	Design
Korea	Design
Korea	FS/Planning
Korea	Planning



Railway/ Metro

Based on outstanding technology and years of extensive experience in Korea, Dohwa has accomplished a number of overseas railroad projects in Peru, Panama, Bangladesh, Sri Lanka, Vietnam, Philippines, Tanzania, Algeria, etc. We are also expanding our business to include railway construction and private investment projects that combine design-build concept and capital. We offer our expertise to all stages and areas of the railway system, including civil engineering, track, depot, E&M, signaling and communication.

- ↑ **Seoul-Busan Gyeongbu High-Speed Railway Construction Project** 1997.03 ~ 2005.08
 - Relieve from the traffic and logistics difficulties of the existing Gyeongbu-axis railway line through the introduction of high-speed railway
 - Location: Routes via Gyeongju (Gyeongju-si, Gyeongsangnam-do-Ulju-gun, Ulsan)
 - Project Features: Line length 27km, 1 station, 2.5km bridge, 14.8km tunnel

Key Achievement

PROJECT

- Private Investment Project of Metropolitan Rapid Transit Railway (GTX) Line A
- Private Investment Project of Metropolitan Rapid Transit Railway (GTX) Line C
- Private Investment Project of Shinansan Double-Track Line
- Wonju-Gangneung High-Speed Railway Construction Project
- Gwangju Urban Railway Line 2 Construction Project - Phase 1
- Lima Metro Line 2 Construction Project
- Trans-Andean Tunnel and Marcona Port-Andahuaylas Railway Construction Project
- Panama Metro Line 3 Construction Project
- Akhaura-Laksam Double-Track Railway Construction Project
- Bhanga-Payra Railway Construction Project
- Colombo Suburban Railway Construction Project
- Central Rail Corridor Rehabilitation Work - Package A & B
- Algiers Metro Line 1 Ain Naadja-Baraki Section Extension Construction Project
- Algiers Metro Line 1 Lot 1 Extension Construction Project
- Annaba Tramway Line 1 and Extension of Oran Tramway Line 1 Construction Project
- Manila Metro Subway Project (MMSP) Phase 1
- Manila Metro Rail Transit (MRT) Line 7 Construction Project
- Laos-Vietnam Railway Link Construction Project
- Mechi-Mahakali High-Speed and Electrified Railway Construction Project
- Jabotabek Railway Rehabilitation Project

COUNTRY

SERVICE

- | | |
|---------------|--------------------|
| Korea | PPP/Design |
| Korea | PPP/Design |
| Korea | PPP/Design |
| Korea | Design |
| Korea | Design |
| Peru | Supervision |
| Peru | FS/Design |
| Panama | DB/Design |
| Bangladesh | Supervision |
| Bangladesh | FS/Design |
| Sri Lanka | FS/Design |
| Tanzania | Supervision |
| Algeria | Supervision |
| Algeria | FS/MP/Design |
| Algeria | Design/Supervision |
| Philippines | Supervision |
| Philippines | DB/Design |
| Laos, Vietnam | FS |
| Nepal | Design |
| Indonesia | FS/MP |





Port & Coastal/Bridge/Ground Tunnel

Starting with 'Research Design for the New Berth Construction of Mokpo Port, Samhakdo' in 1975, Dohwa has successfully conducted various projects such as design, construction supervision, turnkey and design-build project within the Port & Coastal industry for over 50 years. Since DOHWA carried out first overseas projects of 'Khorramshahr port in Iran' and 'Loading Pier for 100,000 DWT vessel in Indonesia' as a Korean company in 1970, we have actively participated in various overseas projects, including 'Iran Khorramshahr Port' and 'Indonesia 100,000-ton Loading Pier'.

Our company has designed various types of structures for domestic and overseas facilities, including road and railway bridges, common underground areas and foundations for offshore structures (such as offshore wind farms). Based on national design standard codes and various specifications, our designs are optimized for construction areas. We are currently expanding our business scope to include pioneer bridge construction supervision, PMC and EPC.

Furthermore, we take geotechnical approaches to ensure safety for our constructions—tunnels/roads/dams/railroads/bridges/ports, urban complexes/water resources and water and sewage—and we also play a leading role in improving the geo-environment through development and conservation of clean groundwater and soil pollution purification projects.



Busan New Port South Container Terminal (Phase 2-4) 2004. 06 ~ 2007. 12 (Photo source: Busan Port Authority)

- Container terminal construction in Busan New Port, Mega Hub Port in Northeast Asia.
- **Location:** Seongsu-dong, Gangseo-gu, Busan
- **Project Features:** 3 berths (L=1,050m) for 50,000 DWT vessels, hinterland 630,000㎡, container handling capacity 1.5 million TEU/year



Chojeong-Hwamyong Connection Road Construction Project (Hwamyong Bridge) 2006. 06 ~ 2007. 02

- Establishment of wide-area transportation network between major cities in Gyeongnam, such as Gimhae and Changwon, and the eastern mountain area
- **Location:** Hwamyong-dong, Busan and Daedong-myeon, Gimhae-si
- **Project Features:** 2-pylon concrete cable-stayed bridge (main bridge: 115+270+115=500m)



Key Achievement

PORT & COASTAL PROJECTS

- Busan New Port South Container Terminal (Phase 2-4) Construction Project
- Gwangyang Port Container Terminal (Phase 3-2) Construction Project
- The 3rd Master plan for National Coastal Ports
- Gyeongin Ara Waterway (Section 6) Facilities Construction Project
- Ulsan North Port 'Northeast Asian Oil Hub' Terminal Construction Project
- Yeongheung Thermal Power Plant (Units 5 and 6) Construction Project
- Philippine Maritime Safety Enhancement Project
- Taean Offshore Wind Farm Project Technical Assistant

COUNTRY SERVICE

- Korea Design
- Korea Design
- Korea Design
- Korea Design
- Korea Design
- Korea Design
- Philippines FS
- Korea Design

BRIDGES & TUNNEL PROJECTS

- Kewatkhali Bridge Construction Project
- Sejong Administrative Complex City Geumbit Noel Bridge and 5th Living Area Outer Ring Construction Project
- Korea-Myanmar Friendship (Dala) Bridge Construction Project
- Icheon-Mungyeong Railway Construction Project (Section 6)
- Shanna-Masirah Island Bridge Construction Project
- Sinan Aphae-Amtae (Section 1) Road Construction Project
- Gimhae Chojeong-Busan Hwamyong Connection Road Construction Project
- Guri Amsa Bridge and Access Road Construction Project
- Yeosui Yeondo Bridge (Geomun Bridge, connecting Dongdo & Seodo) Construction Project
- Ca Pass Tunnel Construction Project
- Busan Namhang Bridge Construction Project
- Gimpo Hangangro (Gyeongin Canal Section) Jeonho Bridge Construction Project

COUNTRY SERVICE

- Bangladesh Design
- Korea Design
- Myanmar Design/Supervision
- Korea Design
- Oman FS/Master Plan
- Korea Design
- Korea Design/Supervision
- Korea CM
- Vietnam CM
- Korea CM
- Korea CM

Energy Sector

- Solar Power
- Wind Power
- Power Generation/Environment

ENERGY





Solar Power

In order to reduce greenhouse gas emissions and contribute to protecting the global environment, we are currently pursuing photovoltaic projects in domestic and overseas markets such as Japan, Vietnam, Iraq, Ethiopia and Honduras. In particular, we strive for the convenience of mankind by promoting solar power projects in remote areas with poor environments. Furthermore, based on our experience in conducting various tasks such as feasibility, consulting, design, EPC and supervision of domestic and overseas aquatic and onshore photovoltaic power businesses, we are expanding our scope to business development and investment projects as well.

- ↑ **Quang Binh Le Thuy Photovoltaic Plant Project** 2020.06 ~ 2020.12

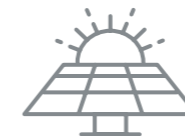
• Solve the supply and demand of electricity by using solar power generation, an eco-friendly energy, to reduce the lack of electricity in Quang Binh, Vietnam • **Location:** Le Thuy County, Quang Binh Province, Vietnam • **Project Feature:** 49.5MW
- ↗ **Ariji Country Club Photovoltaic Plant Construction Project** 2009.01 ~ 2009.05

• Solve the supply and demand of electricity by using solar power generation, an eco-friendly energy, to operate the Ariji Country Club • **Location:** Ariji CC, Ganam-myeon, Ganam-eup, Yeosu-gun, Gyeonggi-do • **Project Feature:** 194.04kW
- ↗ **Hamada photovoltaic power generation business construction** 2016. 11 ~ 2017. 04

• Solve the supply and demand of electricity by using solar power generation, an eco-friendly energy, to reduce the lack of electricity in Hamada, Japan • **Location:** Nagahama Town, Hamada City, Shimane Prefecture, Japan • **Project Feature:** 12MW

Key Achievement

PROJECT	COUNTRY	SERVICE
• The First Seoul's solar energy citizens' fund for "Solar City Seoul" Construction and Operation Project	Korea	O&M
• Quang Binh Le Thuy Photovoltaic Plant Project (EPC)	Vietnam	EPC
• Ryoma Photovoltaic Power Project Construction Project	Japan	EPC
• K-Water Floating Photovoltaic Resource Investigation Project	Korea	FS
• Hamada Photovoltaic Power Project Construction Project	Japan	EPC/O&M
• Iwaki Photovoltaic Power Project Construction Project	Japan	EPC/O&M
• Kasama Photovoltaic Power Plant Construction Project	Japan	EPC/O&M
• Ariji Country Club Photovoltaic Plant Construction Project	Korea	Design/Supervision
• Galapagos photovoltaic power plant construction project	Ecuador	PMC
• Cambodia Independent Photovoltaic Power Plant Construction Project	Cambodia	EPC
• Western Honduras Photovoltaic Power Project	Honduras	FS
• Ethiopia Photovoltaic Power Support Project	Ethiopia	Design
• Quang Binh Le Thuy Photovoltaic Plant Project (F/S)	Vietnam	FS
• Establishment of Basic Concept for the Creation of Sihwa Lake Energy Cluster	Korea	FS
• Iraq Solar-Wind Power Project	Iraq	FS
• Taeon Bunam Lake Floating Photovoltaic Power	Korea	Design
• Hapcheon Dam Floating Photovoltaic Power Generation Project	Korea	FS
• Goheung Bay Floating Photovoltaic Power Project	Korea	Design
• Ise-Shima Photovoltaic Power Project Construction Project	Japan	EPC/O&M
• Yeongheung Photovoltaic Power (Complex 5) Power Generation Project	Korea	Design





Wind Power

In line with the global trend of promoting eco-friendly energy policies and developing new and renewable energy, Dohwa has been conducting feasibility studies and design for numerous on and offshore wind farm construction projects at home and abroad.

In recent years, we have successfully completed an EPC project of a domestic wind power plant. We will continue to move forward as a leader in the future wind power industry based on our accumulated experience and technology.



Sinji Wind Power Complex Development Project EPC 2018. 03 ~ 2019. 12
 • Contributing to domestic energy supply and demand plans and constructing a pollution-free wind farm that is friendly to nature • **Location:** Wolyang-ri, Sinji-myeon, Wando-gun, Jeollanam-do
 • **Project Features:** Wind Power Generation 17.325MW, Underground Line (22.9kV) 16.87km



Key Achievement

PROJECT	COUNTRY	SERVICE
• Wando Sinji Wind Power Complex Development Project	Korea	EPC
• Taeon Wind Power Construction Project	Korea	FS
• Hwasun Wind Power Construction Project	Korea	Design
• Jangseong Busun Wind Power Plant Construction Project	Korea	Design
• Sinan Offshore Wind Farm (300MW) Construction Project	Korea	FS
• Jeju Handong-Pyeongdae Offshore Wind Power Generation Project	Korea	Design
• Review of optimal repowering plan for wind farm in Maebongsan Mountain, Yeongwol-gun	Korea	FS
• Analysis of Project Feasibility for Nakwol Offshore Wind Farm	Korea	FS
• Jangheung Wind Power Construction Project	Korea	Design
• Jeju Eoem Wind Power Project	Korea	Design
• Wind Condition Measurement for Korea South-East Power Co., Ltd.	Korea	O&M
• Jeju Dongbok Wind Power Generation Complex Project	Korea	Design
• Ulleungdo Hyangmokryeong Ridge Meteorological Observation Tower Demolition and Restoration	Korea	C
• Geoje Wind Power Complex Construction Project	Korea	FS
• Gokseong Wind Power Construction Project	Korea	FS
• A 500MW Offshore Wind Farm Development Project in Southwestern Coast	Korea	FS
• Donghae-1 Floating Offshore Wind Power Project	Korea	FS
• Yeongwol Maebongsan Wind Power Complex Repowering Project	Korea	Design
• Boryeong Wind Power Generation Project	Korea	Design
• Tafilah Wind Power Project	Jordan	FS
• Ducal-Membrillo Wind Farm Construction Project (Phase 2 Of The Villonaco) (45MW)	Ecuador	FS
• Evaluation of Potential and Optimal Site Selection for Solar & Wind Energy in Colombia	Colombia	FS
• Incheon Yeongheung 2nd Wind Complex Project	Korea	Design
• Jeju Daejeong Floating Wind Power Generation Complex Project	Korea	Design



Power Generation/Environment

We have unparalleled expertise in engineering, EPC and consulting service, operation and maintenance regarding thermal and biomass plants. As a leader in the energy field, we offer the best EPC and O&M services using cutting-edge technologies and patent rights related to combined cycle power generation, WTE, incineration, sanitary landfill and biomass power generation.



KTH Biomass Power Plant Installation Work 2011. 08 ~ 2013. 03
 • Contributing to Electricity Generation and Renewable Energy Utilization by Using Bark, An Abundant Resource in Indonesia's Kalimantan Province, As A Fuel Base.
 • **Project Feature:** 7.3MW Power Generation



Design service for Pyeongtaek Eco Center Private Investment Project 2013. 07 ~ 2015. 10
 • Establishing a resource-circulating city by converting waste into resources and producing new and renewable energy
 • **Location:** Godeok-myeon, Pyeongtaek-si, Gyeonggi-do
 • **Project Features:** Waste Fueling Facility: 250 ton/day, Recycling Facility: 50 ton/day, SRF Cogeneration Facility: 130 ton/day, Sludge Treatment Facility: 184 ton/day, Organic Biogasification Facility: 210 ton/day



Key Achievement

PROJECT	COUNTRY	SERVICE
• Incheon Yeongheung Thermal Power Plant Outdoor Coal Field Internalization	Korea	Design
• Ansan GS E&R Banwol Power Plant Multiple Turbine Generator Installation EPC Project	Korea	EPC
• Technical support for the construction of Anin Thermal Power Plant Units 1 & 2 in Gangneung	Korea	PMC
• Aspek Paper Power Plant Steam Turbine Expansion Construction Project	Indonesia	EPC
• Goseong High Thermal Power Plant Units 1 and 2 Construction Project	Korea	PMC
• Goseong Samcheonpo Thermal Power Plant Units 5 & 6 Environmental Facility Construction Project	Korea	Design
• KTH Biomass Power Plant Construction Project	Indonesia	EPC
• Daegu City Combined Cycle Power Plant Construction Project	Korea	FS
• Quang Binh Wood Pellet Production and Biomass Construction Project	Vietnam	EPC
• Pyeongtaek Poseung Biomass Energy Project	Korea	Design
• Suncheon Resource Circulation Center Construction Project (PPP)	Korea	Design
• Pyeongtaek Eco Center Construction Project (PPP)	Korea	Design
• Ulsan City Resource Recycling Green Energy Project	Korea	EPC
• Gunsan Eco-Friendly Energy Town Development Project	Korea	Design
• Gwangju Regional Sanitary Landfill Site (Stage 2-2) Construction Project	Korea	Design
• Changwon Drinking Water Bioenergy Facility Installation Project	Korea	Design
• Yangju Gana Resource Recycling Energy Supply Project	Korea	EPC
• Sri Lanka New Landfill Construction Project for Solid Waste Treatment	Sri Lanka	CM
• Gyeongju Angang Waste Incineration, Power Generation, and Drying Facility Construction Project	Korea	EPC
• Environmental Energy Comprehensive Town Development Project in Northern Gyeongbuk Province	Korea	Design

We Practice Sustainable Management



Technology
Development



Social
Contribution



Value
Management

We prepare for the future with state-of-the-art technology in a rapidly changing market environment.

Dohwa's pursuit of technological development and innovation is the force that assures continued growth toward the future. We are creating the future of construction engineering suited for the Fourth Industrial Revolution era. Such as collecting and analyzing big data with AI and using next-generation technologies such as BIM and CAE to strengthen design component efficiency, while self-developing the web-based design platform DIDAS that converts and shares all design output into digital.

Corporate growth is not confined to the pursuit of profit but is accomplished through social responsibility.

Dohwa's executives and employees contribute to local communities through the 'Hope-Sharing Fund' and direct volunteer activities. In 2020, in order to overcome and prevent the spread of Covid-19, our company has donated health supplies and diagnosis kits not only in Korea but also to countries where we have a presence. We are sending a hand of warmth to all regions suffering from the pandemic.

We respect both people and nature, and we practice value management for the next generation.

Under the motto of 'Coexistence Between Nature and People', Dohwa practices sustainable engineering for future generations. We will endeavor to become a company that cares about people and nature by continuously investing in environmentally friendly technology development and business expansion.

Kwak, Jun Sang

President & CEO, Dohwa Engineering Co., LTD.



Technology Development



We are researching platform-based design infrastructure construction, CAE*-based optimal design technology and smart construction engineering-based technology to further continuous growth and secure next-generation leading technologies with high added value.

*CAE: Computer-Aided Engineering

R&D Center



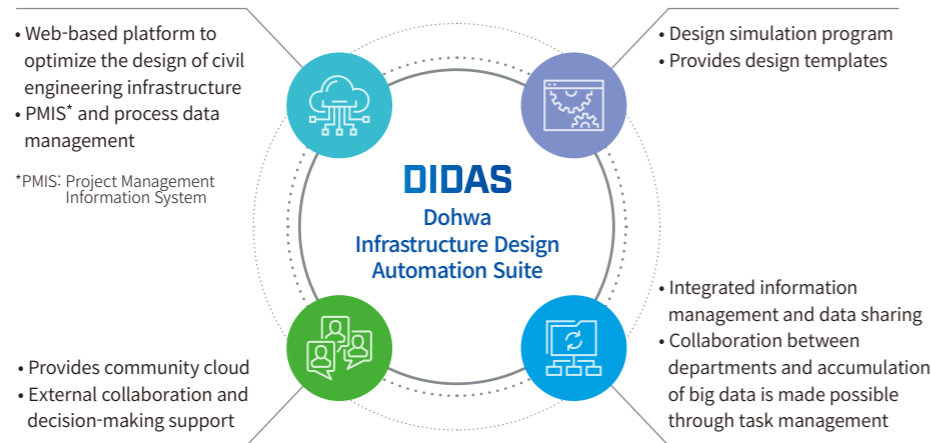
Our Research & Development Center, established in 1992, conducts research and development focusing on construction engineering, innovation in construction technology and ways to enhance technical competitiveness. The center applies next-generation technologies such as BIM*, CAE, Big Data and AI to design, and strengthens our technical capability by digitalizing the overall design process.

*BIM: Building Information System

Design Platform DIDAS



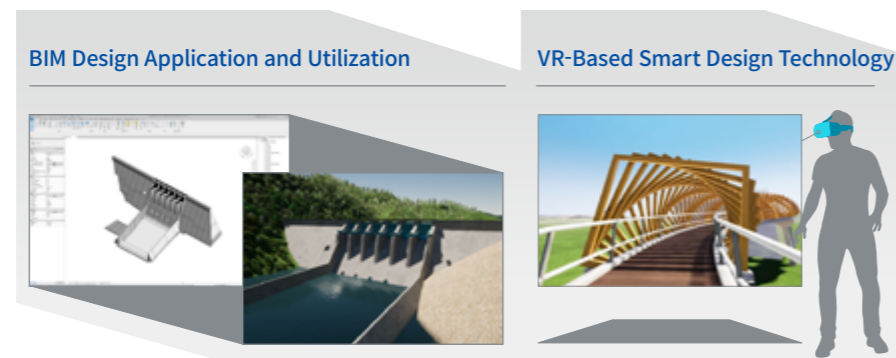
DIDAS is a web-based design platform that digitally transforms the overall design process.



BIM Design



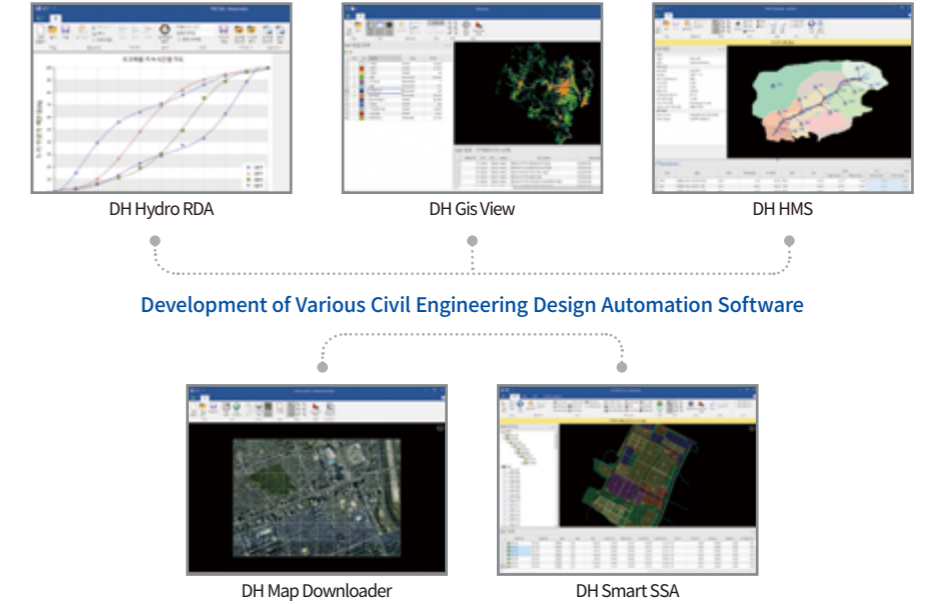
Applying and utilizing BIM from the design stage, we aim to improve design quality and develop smart city-related technologies that link a BIM-based facility maintenance system with VR and drones.



Software Development



We pursue to develop a dedicated civil engineering software that streamlines design workflow and internalize design technology efficiency through automation.

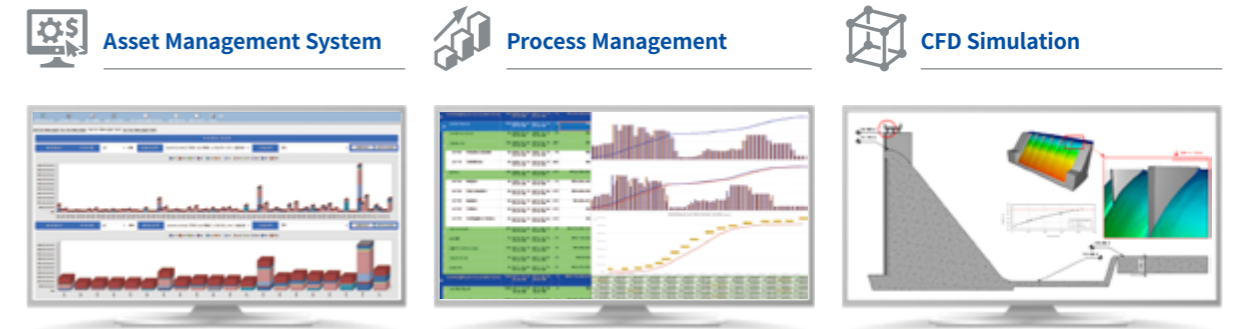
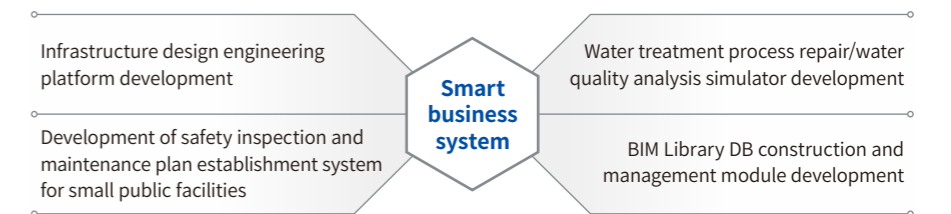


World Class 300 R&D



We are building a design engineering platform and developing application programs to focus on securing the Fourth Industrial Revolution technology that will lead us to become a global engineering company.

Securing technology based on the Fourth Industrial Revolution in the engineering field



Social Contribution



As trusted members of the society, we take a step further beyond pursuing economic profits, and communicate and cooperate with local communities to share and pursue happiness together. It is Dohwa's will to continue to treasure the value of coexistence by supporting the underprivileged and preserving the environment and culture.



Hope Sharing Fund

'Dohwa Hope Sharing Fund', which is made up of voluntary participation of its employees, is raised with a certain amount donated out of one's monthly salary. It is used to carry out various social contribution activities at home and abroad. Currently, more than 1,200 members, which is approximately 62% of all employees, are participating in the fund. The company also sponsors an amount as same as the amount donated by employees, operated in a so-called "matching grant method" which doubles the size of the fund.

776,000,000

1,200



Total Amount of Hope Sharing Fund (KRW)



Total Number of Participants

Financial Support Details ~ 2020

- 2016 • Support for leukemia patient in Vietnam
- Support for the North Korean defectors through Gangnam Welfare Foundation
- 2017 • Support for Peru flood damage
- Support for the Korea Paralympic Committee
- Support for invitational events for North Korean defectors
- Support for Gangnam Welfare Foundation (North Korean defectors and underprivileged)
- Donation for Pohang earthquake damage
- 2018 • Support for Yeongdeok-Gun flood damage
- Support for earthquake damage recovery in Indonesia
- 2019 • Support for Gangnam Welfare Foundation (North Korean defectors and underprivileged)
- Support for World Together
- Support for Gangwon-do forest fire disaster relief
- Support for Mozambique cyclone damage recovery
- Donation for making wells in Tanzania
- Support for Bangladesh train accident relief aid
- 2020 • Support for Gangnam Welfare Foundation (North Korean defectors and underprivileged)
- Donation for Philippines Taal volcano eruption relief
- Support children's books donation for underprivileged children in Peru
- Support for Covid-19 Medical Staff Meal in Daegu
- Delivery national support fund to support COVID-19 in Peru
- Support COVID-19 diagnostic kits to Peru
- Support Covid-19 in Cambodia
- Mask support to dispatch countries due to COVID-19

Major volunteer activities details ~ 2019

- 2016 • North Korean defector youth school (Durihana International School) Kimchi support and volunteer work
- Historical and cultural exploration and nature cleanup activities (Changuimun/ Segeomjeong Pavilion)
- Taegeukgi hanging promotion event and Daemosan nature cleanup activity
- Computer equipment support: PC support for multicultural exchange networks
- Making Kimchi for the elderly living alone (Yeoksam-dong area)
- 2017 • North Korean defector invitation event support: Gangnam Welfare Foundation
- Cheonggyesan nature cleanup activities
- Donation and installation of the computers used in the company : 85 units of 9 welfare centers in Gangnam District
- Historical and cultural exploration and nature cleanup activities (Eight Scenic Views of Bukchon)
- 2018 • Preparation of Kimchi of Love to Share Happiness (Donation of 150kg of Kimchi)
- Gwanaksan nature cleanup activities
- Donation and installation of the computers used in the company
- Memorial Cemetery weed removal and Taegeukgi planting service
- Cheonggyecheon nature cleanup activities
- 2019 • Yeomyeong School Mentoring Event
- Gwanaksan, Bukhansan and Hangang Park nature cleanup activities
- Memorial Cemetery gravestone cleaning, weed removal service
- Volunteer club preparation of Kimchi of Love to Share Happiness

Value Management



Dohwa provides customized design and top-quality construction management services with minimal impact on the environment. We strictly comply with strict government regulations on safety and health and conduct fair and transparent management following corporate ethics.



Create the Value, Shape the Future



