

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.

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# 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  
: 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
- 1997** • Received the 'Letter of Appreciation from the President' for contribution to the development of the national industry through the regional water supply system project.
- 1998** • 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.
- 2007** • Received the 'Presidential Medal (Hongjo Geunjeong Hunjang)'  
• 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 - 2019

- 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.  
• Received the 'MOT Letter of Appreciation' for the detailed design and supervision of the GMS Vietnam South Coastal Corridor project.
- 2014** • 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 Chinchero 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.

## 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 2019-12-31

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

2,063



No. of Engineers

1,887



No. of Professional Engineers

525



No. of Fulfilled Projects

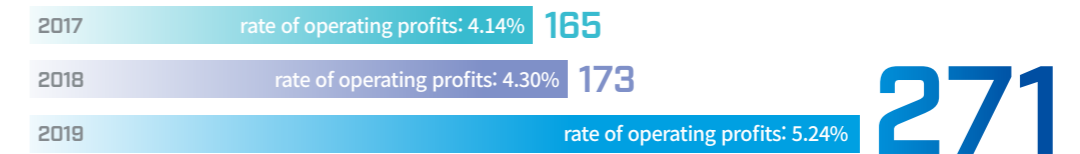
13,106

## Summary Financial Statements (consolidated)

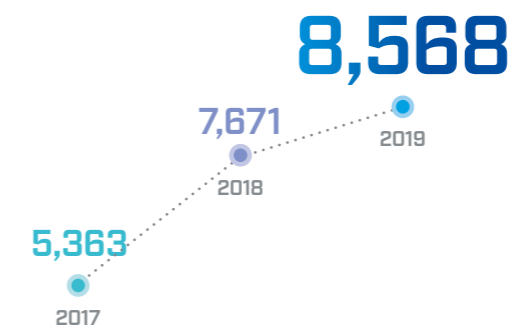
**Revenue** Unit: KRW 100 million



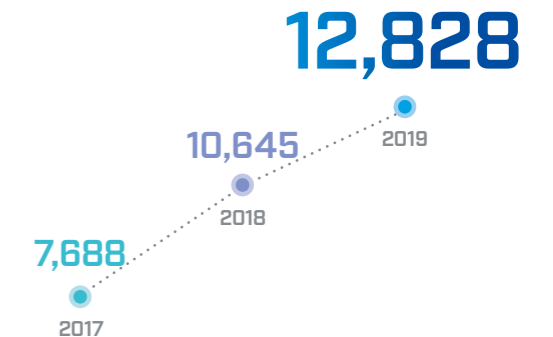
**Operating Profit** Unit: KRW 100 million



**New Order** Unit: KRW 100 million



**Order Balance** Unit: KRW 100 million



**Credit Rating**  
as of 2019-12-31

**A2+**

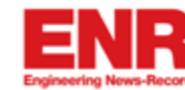
Corporate Paper (NICE credit rating)

**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

30

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

## Record of Projects (according to the source of funds)

Source of Funds	Accumulated Projects
WB	33
ADB	31
K-Exim	25
KOICA	24
EDCF	14
KIND	4
JICA	3
AFDB	2
AIIB	1
EBRD	1
IDB	1

## Key Achievements by Region

### AFRICA

- Nairobi Central Railway Station and its Surroundings, Kenya
- Bole-lemi and Kilinto Industrial Parks, Ethiopia
- Central Railway, 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, Bangladesh
- Kathmandu Valley Sewerage Treatment, Nepal
- Colombo Suburban Railway, Sri Lanka
- Rustavi-Tbilisi Road, Georgia
- Highway M-5 (Kiev-Odessa), Ukraine
- Shanna-Masirah Marine Bridge, Oman

### SOUTHEAST ASIA

- Quang Binh Le Thuy Photovoltaic Power Plant, Vietnam
- Iwaki, Hamada, Ryoma 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

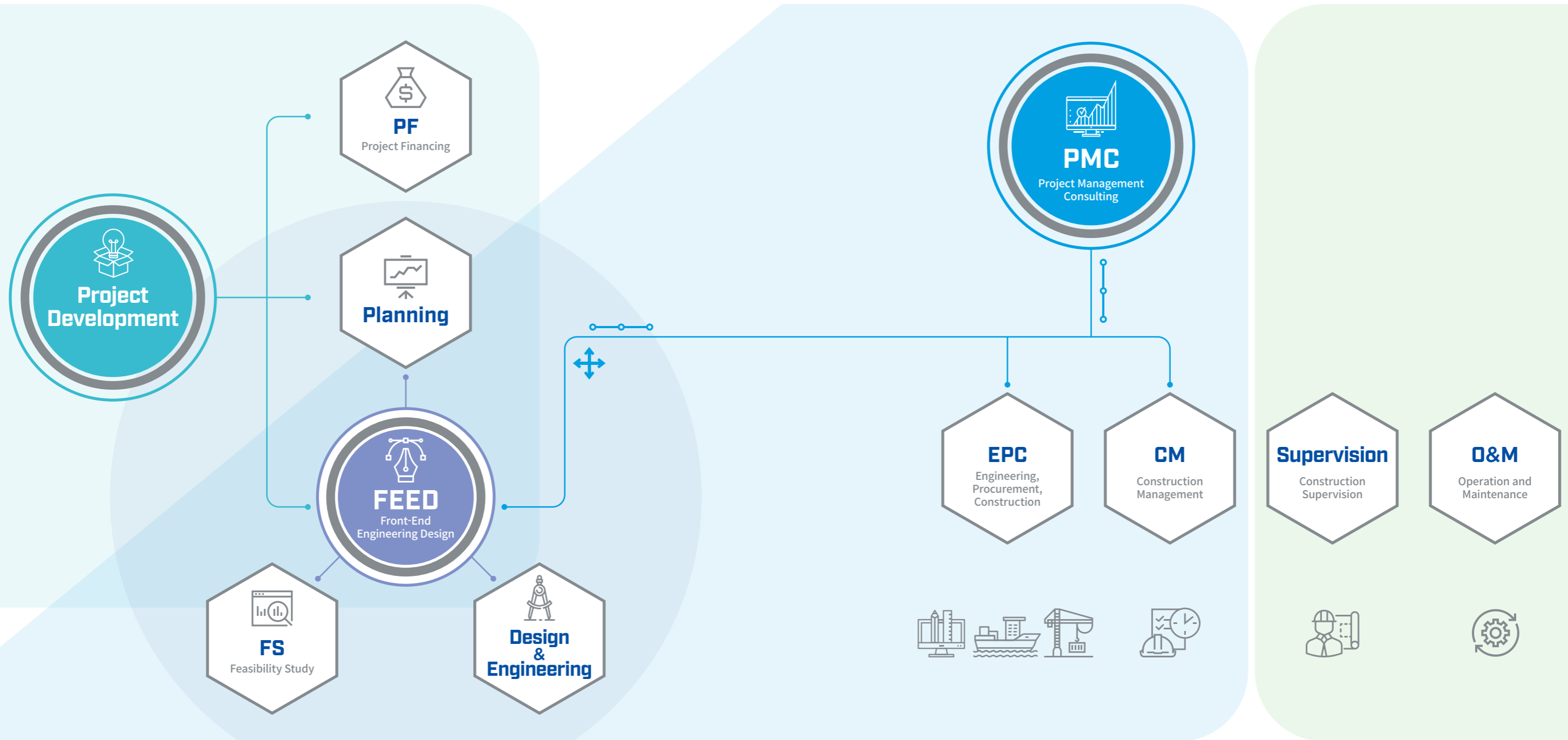
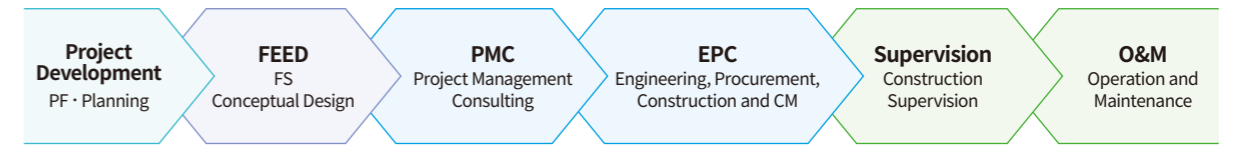
- Juigalpa Sewerage Treatment, Nicaragua
- San Benito Road, Nicaragua
- Eastern Dry Area PMC, El Salvador
- San José Metrorail, Costa Rica
- Panama City Line-3 Project, Panama
- Bluefields Sewerage Treatment, Nicaragua

### 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

# 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

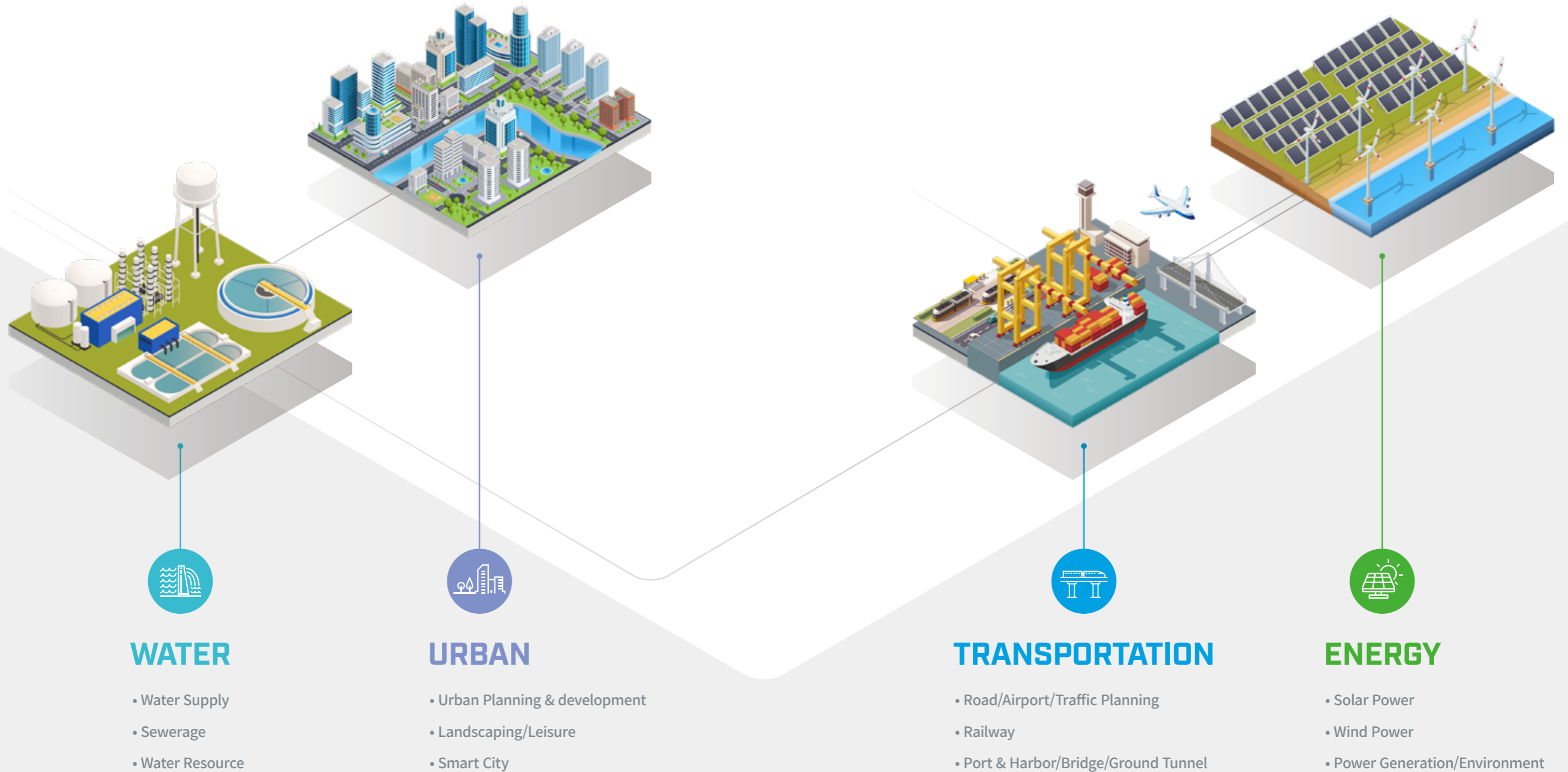
Water, creating clean and safe water.

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

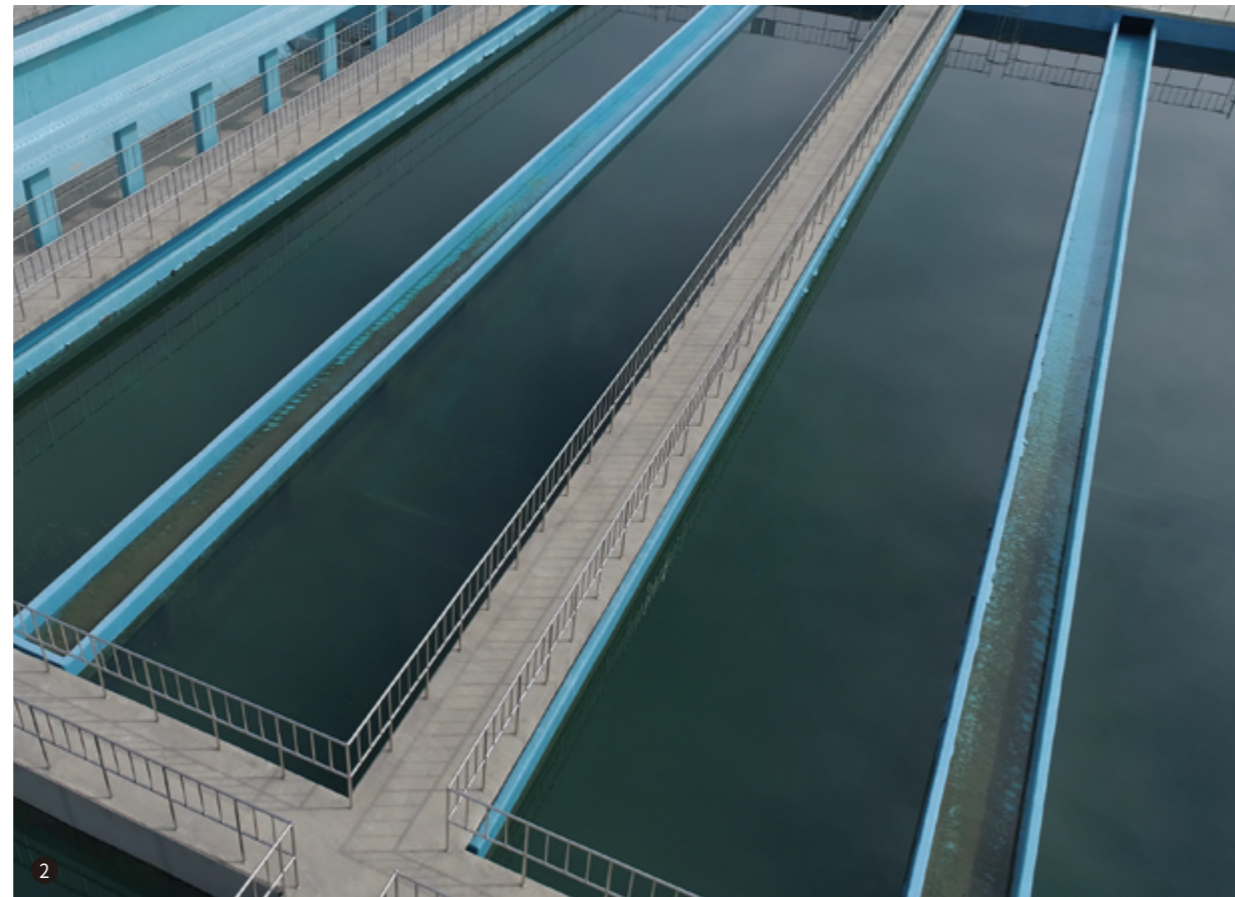
- Water Supply
- Sewerage
- Water Resource (Rivers/Disaster Prevention/Dams/Hydropower)

# 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.

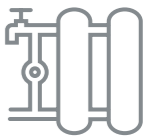
Dohwa has also successfully carried out overseas water supply development projects in Nepal, Indonesia, Vietnam, Kyrgyzstan and Myanmar. Dohwa is leading the way in building a new era of advanced waterworks by addressing climate change and designing integrated water management systems.



### ← 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=260,000m<sup>3</sup>/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=534,000m<sup>3</sup>/day) and Daebu Wastewater Treatment Plant (Q=3,000m<sup>3</sup>/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

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

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

#### COUNTRY SERVICE

COUNTRY	SERVICE
Korea	Design
Korea	Design
Korea	Design
Korea	Design
Korea	Design
Vietnam	Design
Korea	Design
Korea	Design
Algeria	Design
Lao PDR	Design / Supervision
Korea	Design
Korea	Design
Korea	Design
Korea	Design
Korea	Design
Korea	Design
Korea	Design
Korea	Design
Korea	Study



## Urban Sector

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

URBAN 







## 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 (Bayanggonlin 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
- Port & Harbor/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 Quảng Ngãi 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

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, Tanzania, and Algeria. We are also expanding our scope to include railway construction and private investment projects that combine design build ideas and capital. We offer our expertise to all stages and areas of the railway system, including civil engineering, track, machinery, electricity, signal 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: Route extension 27km, 1 station, 2.5km bridge, 14.8km tunnel

### Key Achievement

#### PROJECT

- GTX(Great Train eXpress) Project, Seoul Metropolitan Area Route A (PPP)
- GTX(Great Train eXpress) Project, Seoul Metropolitan Area Route C (PPP)
- Shinansan Line Double-Track Private Investment Project
- Wonju-Gangneung KTX Construction Project
- Gwangju Metro Line 2 Phase 1 Construction Project
- Lima Metro Line 2 Construction Project
- Trasandino Tunnel and Marcona-Andahuaylas Railway Construction Project
- Panama Metro Line 3 Construction Project
- Akhaura-Laksam Double-Track Railway Construction Project
- Bhanga-Payra Railway Construction
- Colombo Suburban Railway Construction Project
- Central Line Railway Improvement Project Package A & B
- Algiers Metro Line 1 Extension (El Harrach-Bachdjarrah) Construction Project
- Algiers Metro Line 1 Extension Lot 1 Construction Project
- Oran Tramway Line 1 Extension and Tramway Construction at Annaba
- Manila Metro MMS Construction Project Phase 1
- Manila Metro MRT Line 7 Construction Project
- Laos-Vietnam Railway Construction Project
- Mechi-Mahakali Electric Railway Construction Project
- Jabotabek Railway Improvement Project

#### COUNTRY

#### SERVICE

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





## Port & Harbor/Bridge/Ground Tunnel

Starting with ‘Research Design for the New Pier Wall Construction of Mokpo Port, Samhakdo’ in 1975, Dohwa has successfully conducted various projects such as design, supervision, turnkey and alternative construction within the Port & Harbor industry for over 50 years. Since 1970, having been the first Korean company to organize an overseas project, 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 Pier Phase 2-4 Construction** 2004. 06 ~ 2007. 12 (Photo source: Busan Port Authority)  
 • Container pier construction at Busan New Port, the largest logistics hub in Northeast Asia.  
 • Location: Seongbuk-dong, Gangseo-gu, Busan  
 • Project Features: 50,000 tons, 3 berths (L=1,050m), site creation 630,000m<sup>2</sup>, treatment volume 1.5 million TEU/year



**Tendering Design for Chojeong-Hwamyong Connection Road Construction (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 & HARBOR PROJECTS

- Busan New Port South Container Pier 2-4 Private Sectors Construction Project
- Gwangyang Port (Phase 3) Second Container Terminal Construction Project
- The 3rd National Coastal Port Preliminary Planning
- Gyeongin Ara Waterway Project (Section 6) Facility Construction Project
- Northeast Asian Oil Hub Ulsan North Port Terminal Construction Project
- Yeongheung Thermal Power Plant Units 5 and 6 Construction Project
- Philippine Maritime Traffic Safety Improvement Project
- Taeon Offshore Wind Power Generation Project

#### 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
- Yeosu 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               |
| Korea      | Design / Supervision |
| Korea      | CM                   |
| Vietnam    | CM                   |
| Korea      | CM                   |
| Korea      | CM                   |

## Energy Sector

- Solar Power
- Wind Power
- Power Generation/Environment

# ENERGY



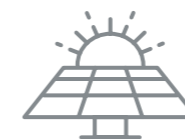


## Solar Power

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.

- ↑ **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 New and Renewable Energy Project	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 New And Renewable Energy Photovoltaic Power System 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 Duy Photovoltaic Power	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



BUSINESS PORTFOLIO

## 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
• Taean 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
• Solar-Wind Power Project in Iraq	Iraq	FS
• Establishment of basic plan for the creation of Sihwa Lake energy cluster in Ansan	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



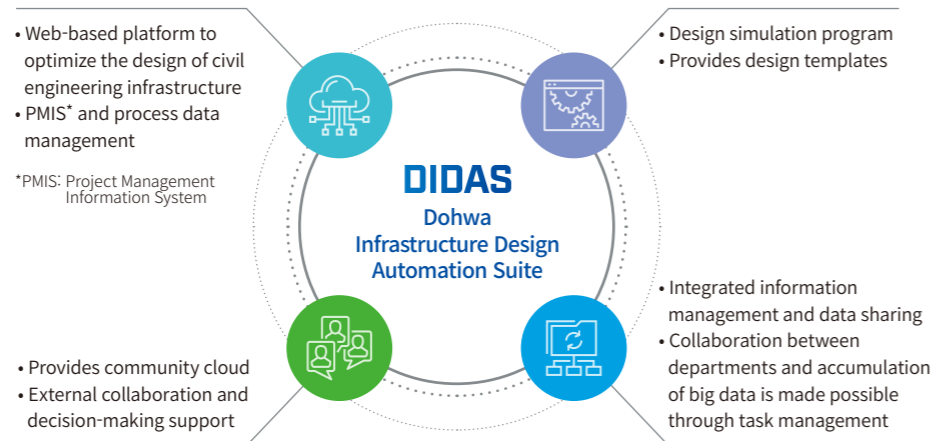
Our Research & Development Center, established in 1992, conducts research and development focusing on construction engineering, innovation in construction technology and ways to enhance technical competitiveness. The center applies next-generation technologies such as BIM\*, CAE, Big Data and AI to design,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

\*BIM: Building Information System

## Design Platform DIDAS



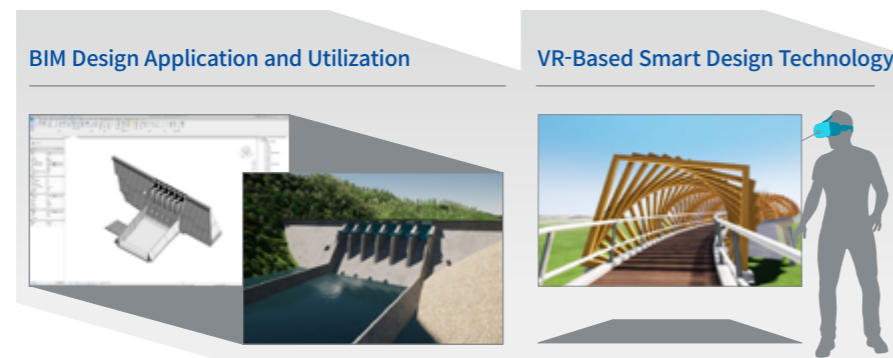
DIDAS is a web-based design platform that digitally transforms the overall design process.



## BIM Design



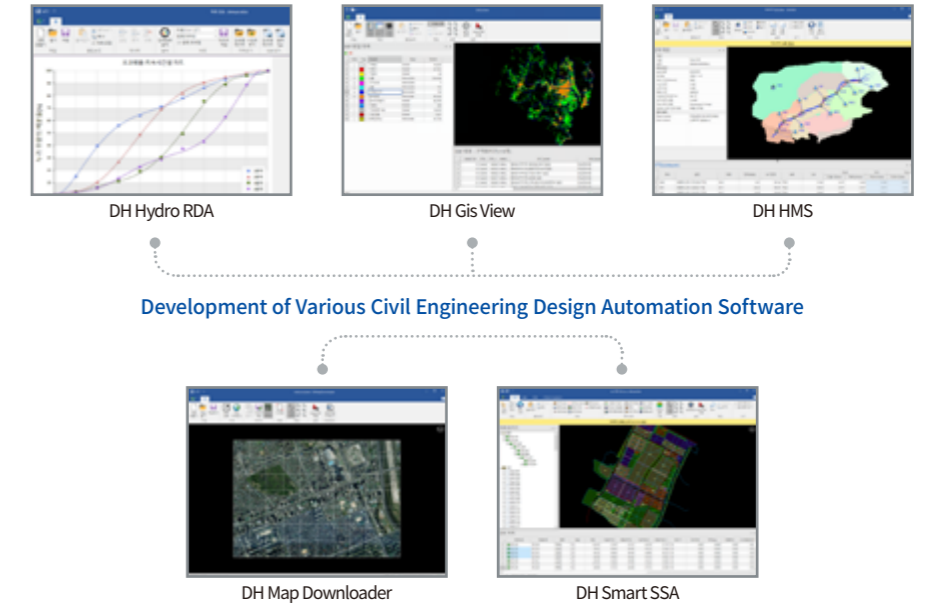
Applying and utilizing BIM from the design stage, we aim to improve design quality and develop smart city-related technologies that link a BIM-based facility maintenance system with VR and drones.



## Software Development



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

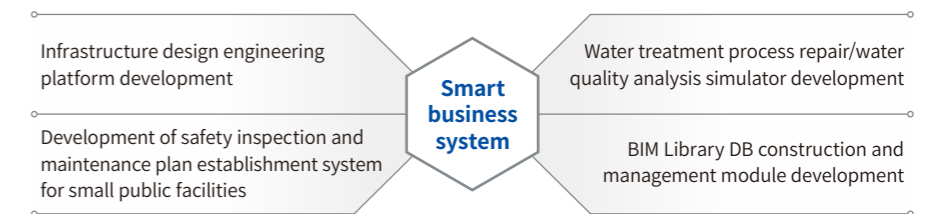


## World Class 300 R&D



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



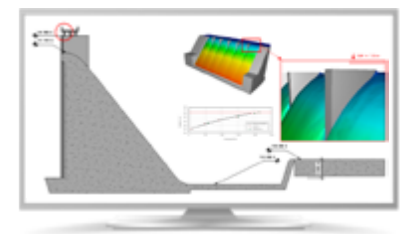
## Asset Management System



## Process Management



## CFD Simulation



## 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



