GOING GREEN FOR NEXT GENERATION

POSCO
ECO & CHALLENGE

posco E&C

SUSTAINABLE BUSINESS & UNLIMITED INNOVATION

POSCO E&C

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We Work to Make
Lives Smarter

GOING GREEN
FOR NEXT
GENERATION

HAEUNDAE LCT THE SHARP

We Work to Be Safer,
More Dependable
and More Innovative

FOR NEXT
GENERATION

PANAMA COLON GAS TO POWER

We Work to See
What Customers See

GENERATION

We Work to Preserve
Core Values



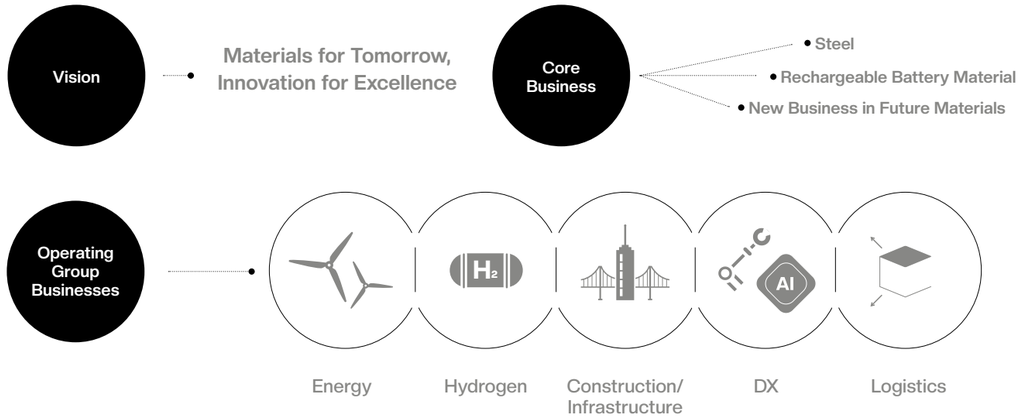
SONGDO INTERNATIONAL BUSINESS DISTRICT

POSCO GROUP

The Global Business Leader for Sustainable Future of Humanity

We will pioneer a new tomorrow as a global eco–friendly future material representative company beyond steel, including low–carbon steel, green energy, eco–friendly mobility, smart cities, and food solution(Agri–Bio).

POSCO GROUP



49
Affiliates

75,013
Total Employees

77,127 KRW billion
Revenue 2023

MAJOR AFFILIATES

POSCO HOLDINGS

Eco-Friendly Infrastructure

POSCO E&C

- POSCO INTERNATIONAL
- POSCO DX
- POSCO FLOW
- POSCO MOBILITY SOLUTION
- POSCO WIDE
- POSCO A&C

Steel

POSCO

- POSCO STEELEON
- SNNC
- POSCO M–TECH
- eNtoB
- POSCO HUMANS
- POSCO IH
- PNR

Battery Materials

- POSCO FUTURE M
- POSCO MC MATERIALS
- POSCO Pilbara LITHIUM SOLUTION
- POSCO HY Clean Metal
- P&O CHEMICAL
- POSCO LITHIUM SOLUTION
- POSCO SILICON SOLUTION

posco E&C

CREDIT RATING

A+

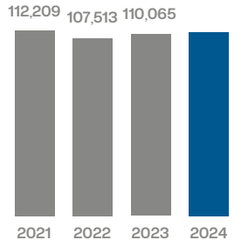
NICE INVESTORS SERVICE 2024
KOREA RATINGS 2024
KOREA INVESTORS SERVICE 2024

POSCO E&C undertakes many large–scale projects in and outside Korea based on its technologies and capabilities geared to building cities, setting up plants that is the heart of the industries, and connecting infrastructure. We play a leadership role in giving more values to our living spaces.

BUSINESS PERFORMANCE

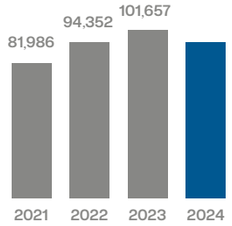
ORDERS

111,626 KRW 100 Million



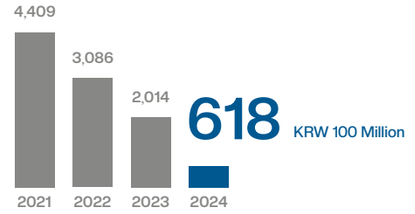
REVENUE

94,687 KRW 100 Million



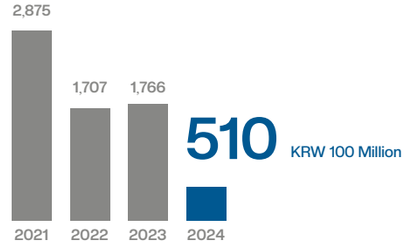
OPERATING PROFIT

618 KRW 100 Million



NET INCOME

510 KRW 100 Million



OUR RANKINGS

EMPLOYEES

6,205

CONSTRUCTION CAPABILITY ASSESSMENT 2024

7th

2024 ENR GLOBAL CONTRACTORS

68th

SHAREHOLDERS

52.8%	38.0%	2.1%	7.1%
POSCO HOLDINGS	The Saudi Asian Investment Company	POSTECH	Employee stockholders and minority shareholders

Key Performance in South America







1 CSP Integrated Steel Mill, Brazil
2 Panama COLON LNG Terminal·Combined Heat & Power Plant
3 Argentina Brine Lithium Phase 1 Project Upstream Process

Dominican Republic

PLANT

ANDRES LNG Terminal Expansion

Argentina

PLANT

PosLX Lithium Demo Plant
Brine Lithium Phase 1 & 2 Project

Mexico

PLANT

POSCO No.2 CGL
Bridgestone Carbon Black

Brazil

PLANT

CSP Integrated Steel Mill
CSP Off-Gas Power Plant

Peru

PLANT

CHILKA UNO Combined Cycle Power Plant
KALLPA Combined Cycle Power Plant
PUERTO BRAVO Simple Cycle Power Plant

Chile

PLANT

COCHRANE Coal-Fired Power Plant
ANGAMOS Coal-Fired Power Plant
CAMPICHE Coal-Fired Power Plant
VENTANAS Coal-Fired Power Plant

Panama

PLANT

COLON Gas to Power, (LNG Terminal+CCPP)
GATUN Combined Cycle Power Plant
COLON LNG Terminal Expansion

INFRASTRUCTURE

Monorail for Line 3 of the Panama Metro

Based on extensive international project experience, including Central and South America's most prominent plant project and numerous ventures in Southeast Asia, we possess differentiated technological capabilities and world-class global EPC competencies.

41 Countries

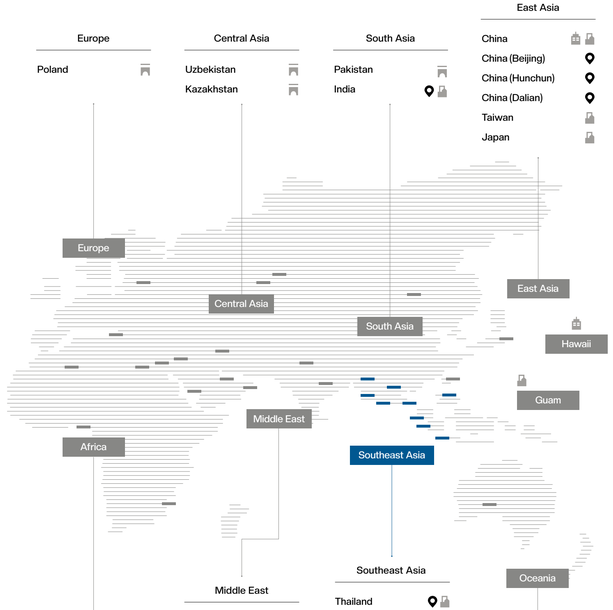
8 Corporation

7 Branch Office



Corporation
Branch Office
Building Works
Plant
Infrastructure

South America
Mexico
Peru
Chile
Brazil
Panama
Dominican Republic
Argentina
Venezuela



Europe
Poland

Central Asia
Uzbekistan
Kazakhstan

South Asia
Pakistan
India

East Asia
China
China (Beijing)
China (Hunchun)
China (Dalian)
Taiwan
Japan

Middle East
Iraq
Oman
Israel
Saudi Arabia
United Arab Emirates
Iran
Türkiye
Qatar

Southeast Asia
Thailand
Vietnam
Myanmar
Laos
Malaysia
Bangladesh
Philippines
Cambodia
Indonesia

Africa
Morocco
Ghana
Mozambique
Libya
Egypt

Oceania
Australia

Key Performance in Southeast Asia







1 LSP F–Port, L–Land Development, Vietnam
2 LSP Tank Farm, Vietnam
3 The Sharp Clark Hills, Philippines

Vietnam

BUILDING

Thua Thien Hue General Hospital
North An Khanh New City

PLANT

Formosa Ha Tinh Integrated Steelworks / JOCV EAFD
POSCO Cold Rolling Mill / POSCO VST STS
LSP Tank Farm
PVGAS CaMau Gas Processing Plant
PVGAS LPG Refrigerated Tank
PVGAS Phu–My Gas Distribution

INFRASTRUCTURE

NOIBAI–LAOCAI Highway Project Package A1, A2, A3
DA NANG–QUANG NGAI Expressway Contract Package A5
Package CP1: main road through new urban zone of Me Linh
HO CHI MINH CITY–LONG THANH–DAU GIAY Expressway Project Package 3, 5A
Long Son Petrochemical Complex Package F–Port & L–Land Development

Indonesia

BUILDING

Rajawali Place

PLANT

PT.KP Integrated Steelworks
PT.KP Off–Gas Power Plant
MERAK Coal–Fired Power Plant
Tanjung Sekong LPG Terminal
PT. UNGUL INDAH CAHAYA TBK
LAB (Linear Alkyl Benzene) Revamping

INFRASTRUCTURE

SEMANGKA Hydro–Electric Power Project
WAMPU Hydro–Electric Power Project
HASANG Hydro–Electric Power Project
Ciawi-Sukabumi Toll Road

Philippines

BUILDING

The Sharp Clark Hills

PLANT

MASINLOC Coal–Fired Power Plant
JG Summit NCC Expansion

INFRASTRUCTURE

Malolos to Clark Railway Project (Pakcage CP N05)

Malaysia

PLANT

Pulau Indah Combined Cycle Power Plant

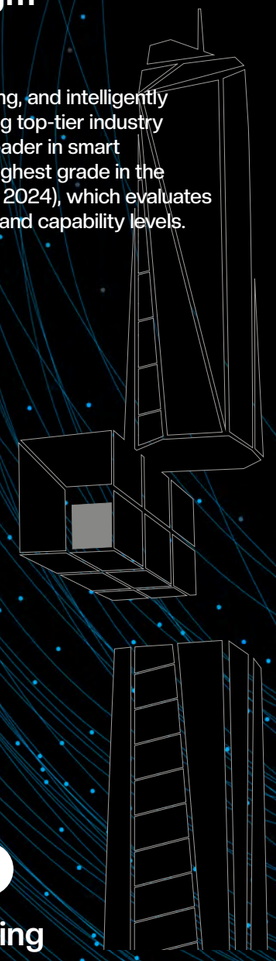
INFRASTRUCTURE

Klang Valley Mass Rapid Transit Line 2

SMART CONST RUCTION

Evolving Construction Industry Paradigm with Smart Construction

POSCO E&C is elevating operational productivity by digitalizing, automating, and intelligently transforming every construction phase through smart technology, securing top-tier industry competitiveness. The company has established itself as the undisputed leader in smart construction within Korea's construction industry, notably achieving the highest grade in the Smart Construction Corporation Index (SCCI) for three years (2021, 2022, 2024), which evaluates construction companies' smart construction implementation track record and capability levels.



1 Sales and Procurement

• AI Business Performance Analysis and Price Forecast

Data-driven business advancement such as Prediction of pre-sale property, material price and etc.



2 Bidding

• Bid Document Review Solution

Review of Key Bid Content and Risk Assessment through Utilization of Generative AI Technology

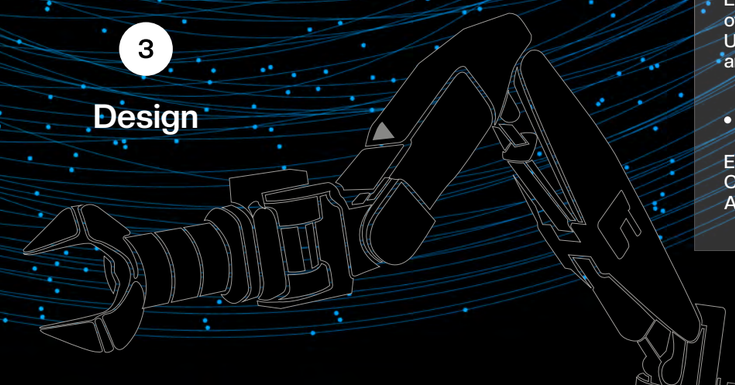
3 Design

• Rapid, High—Precision Site Analysis

Site Information Acquisition and Analysis through Utilization of Smart Equipment
(Drones, 3D Scanners, etc.)

• BIM/AI Design Review

Design Error Minimization and Optimal Design Development through BIM/AI



4 Construction

• Virtual Construction

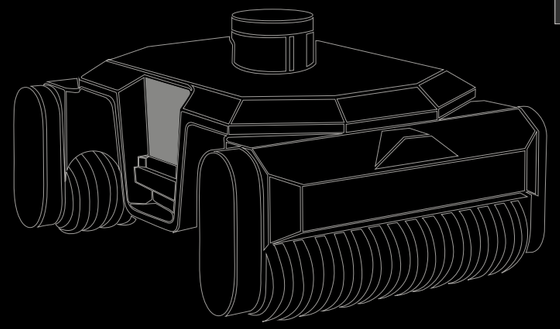
Preliminary Safety Review, Construction Planning and Project Management through BIM Construction Simulation

• Construction Automation

Enhanced Productivity and Prevention of Worker Safety Incidents through Utilization of Smart Equipment and Robots and Automated Construction Processes

• Smart Quality Control

Enhanced Quality Management Capabilities through Smart Equipment and AIoT Technology Integration



5 Maintenance

• Digital Twin O&M

Smart Remote Diagnosis and Optimization of Facilities and Processes



BIM DIGITALIZATION

We implement virtual sites tailored to each phase and section's purpose by integrating design-construction-maintenance information based on BIM.
In a digital environment, we perform all PLC phase tasks, including design review, construction planning, safety, construction, material, and maintenance management.
Through digital project management, we optimize design quality, constructability, and safety while managing construction, materials, and facilities in real time.

*BIM(Building Information Modeling)



CONSTRUCTION AUTOMATION

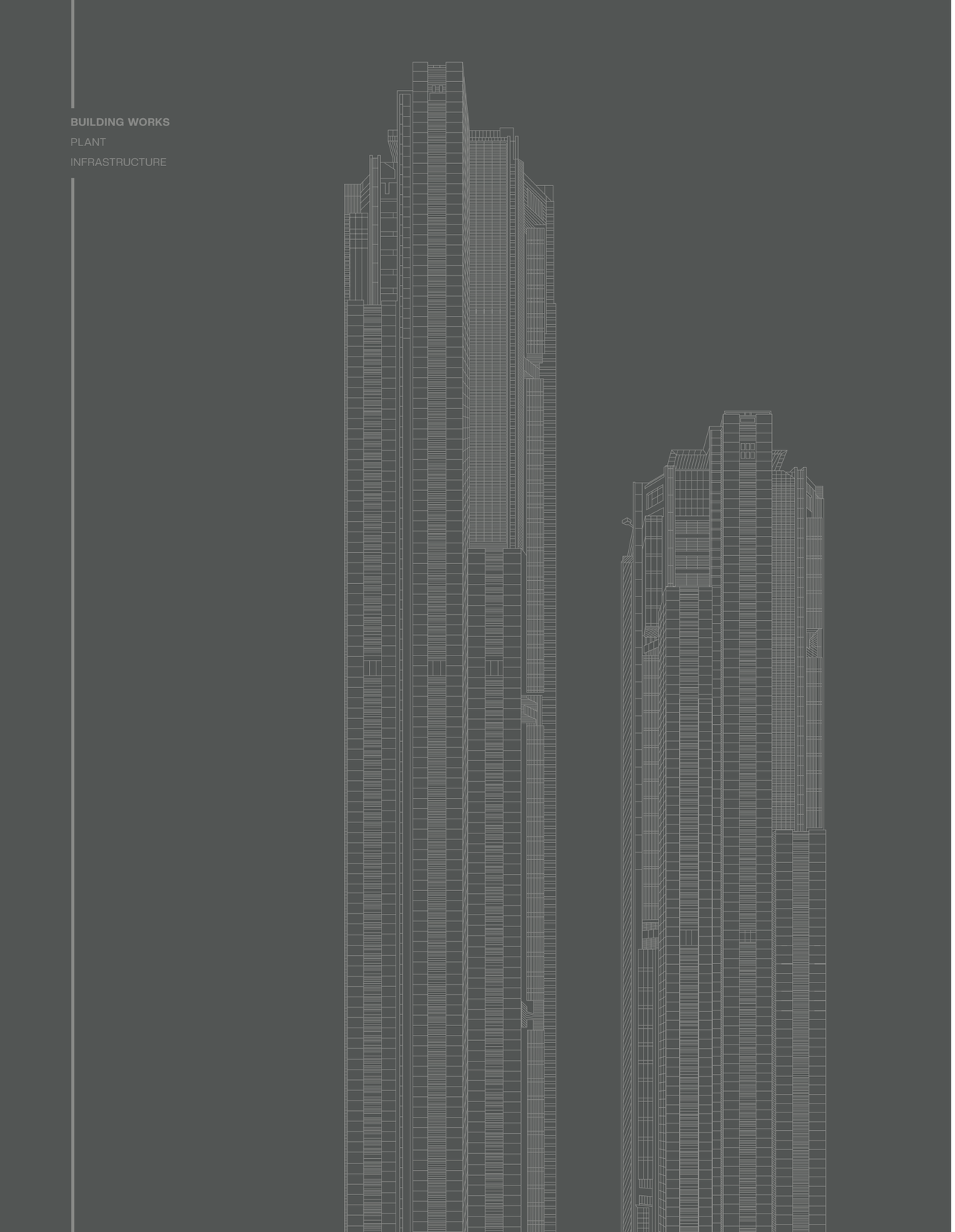
We integrate high-precision data acquired through smart surveying using drones, satellites, and robots into our cloud-based dedicated platform (POS-SITE) for real-time sharing with sites. We enhance on-site construction quality through AR/MR technology implementation and increase productivity by introducing construction equipment automation and control systems.
We improve work efficiency and prevent safety incidents by expanding the application of construction robots, including concrete surface indentation robots, quadruped robots, and underwater drones.



AIoT MANAGEMENT

In the bidding phase, we swiftly review potential risk clauses using Large Language Models (LLM) and automatically review structural design errors and quality standards using AI. We manage construction sites more safely through Smart Safety solutions utilizing intelligent IoT technologies such as construction equipment collision prevention and opening monitoring technology while advancing quality control through real-time ready-mix concrete quality management systems and drone-based concrete crack inspection technology.

*LLM(Large Language Model)



Cozy Space and Stylish Design

As a global leader in urban development, we think beyond architecture to encompass entire cities. POSCO E&C has established itself as an absolute leader in urban renewal and remodeling markets while recreating fundamental residential values. Additionally, we are transforming skylines everywhere with our superior ultra-high-rise building construction technology.

City Maintenance

Our terms of business tailored to the site and the client's needs and our designing differentiated enough to make the architecture a landmark in the region have earned us a high level of credibility in every region we operate.

Providing the best business conditions and the finest design	We maximize the development profits of union members	A leader of first-class residential culture	Excellence in operational stability	Differentiated residential space

Remodeling

Our technological capabilities for renovation and ability to drive business, coupled with our top-notch brand power, have earned us the recognition as the leading contractor for renovation in Korea.

Business Analysis	Design	Product Design	Construction	Energy Conservation
Sales	**Design**	**Design**	**Engineering**	**Residential environment**
Tools for feasibility studies Business consulting service Minimum costs	Optimum planar analysis Facade engineering and design specialists Community facilities specialists	Exclusive design Landscaping specialists Custom design	Ensures structure stability Construction technologies that saves time Eco-friendly site management	High-performance windows and insulation Reduces noise between floors Less risk of sick building syndrome

THE SHARP

GREEN LIFE WITH THE SHARP

We give more thoughts to the fundamental values that houses should offer
and the lifestyle that they will shape than anyone else.



Biophilic Terrace



Gaepo
The Sharp Trier

See the new horizon that we have opened in the renovation market of Gangnam, one of Korea's best locations.



Before

POSCO E&C, the unparalleled powerhouse of urban remodeling in Korea! We presented a new paradigm that increases the value of homes through Gaepo The Sharp Trier backed by our technology specialized in remodeling, the ability to implement projects, and the finest brand power of The Sharp apartments.
Gaepo The Sharp Trier, the first remodeling project in Korea by POSCO E&C, integrates all our latest exclusive technologies that have been specially developed for remodeling, including our top-down steel structure building method. POSCO E&C expanded and upgraded the floor plan through a horizontal expansion method and used premium finishes. We also dramatically improved the parking spaces and used POSCO's high-end steel, PosMAC, to significantly enhance the exterior design. The resulting design overwhelms the surrounding areas, further improving the dignity of The Sharp Trier residents and increasing the number of parking lots per household from 0.5 to 1.3 cars.

Construction Scale	3 basement levels, 16 ground floors (232 households)
Construction Period	2019. 2 — 2021. 12

Songdo International Business District

A businesss hub city in Northeast Asia created by bringing a stark reclaimed land to life

The Songdo International Business District is a large-scale urban development project costing over 24 trillion won on a land area of approximately 5.77km² (twice the size of Yeouido). Under the project, the district will become the leading international city in Korea and the hub of business in Northeast Asia. Urban development is an exhaustive undertaking that encompasses land acquisition, financing, sales, and construction. POSCO E&C has a strong track record of building new towns and private urban complex development projects both in Korea and abroad based on the success of the Songdo International Business District.



Construction Scale 5.77 km²

Construction Period 2003 —

As one of the best constructors in Korea, POSCO E&C has world-class construction capabilities that enable it to build more than 50-story high-rise buildings, or over 200m in height.
The 101-story Haeundae LCT The Sharp, the 69-story Yeouido Parc.1, and the 68-story POSCO Tower SONGDO are some good examples of our technological capabilities, all of which have become a landmark in their respective region.



Haeundae LCT The Sharp

Construction Scale	5 basement levels, 101 ground floors (882 households)
Construction Period	2015. 10 — 2019. 11
Building Height	411m



Yeouido Parc.1

Construction Scale	7 basement levels, 69 ground floors Two Office Towers, Department Store, Hotel
Construction Period	2017. 1 — 2020. 7
Building Height	333m



POSCO Tower SONGDO

Construction Scale	3 basement levels, 68 ground floors
Construction Period	2012. 12 — 2014. 6
Building Height	305m

Rare isotope Accelerator complex for ON-line experiment

We played a part in building this core facility for the country's scientific technologies that will help make 'exciting discoveries' through a wide range of research activities including those for advanced basic science.

The heavy ion accelerator is a piece of research equipment that generates new isotopes by colliding various elements at close to the speed of light. The heavy ion accelerator built by POSCO E&C at Daedeok Special R&D District in Daejeon, Korea is given the name RAON, which is short for rare isotope accelerator complex for online experiments. Using RAON, we hope to discover new elements that the world has not yet found and to identify substances that will act as a key for new medical technology, advanced materials technology, and innovative growth.

Construction Scale	2 basement levels, 4 ground floors
Construction Period	2017. 2 — 2021. 6



Urban Development



Hanoi Metropolitan City Master Plan, Vietnam

Project area	3,330km²
Construction period	2008. 12 — 2010. 12



Splendora, Vietnam

<Phase 1>	
Construction Scale	1 basement levels, 22 ground floors
Construction Period	2010. 3 — 2013. 8
<Phase 2>	
Project Type	1 basement levels, 36 ground floors
Construction Period	2012. 2 — 2015. 3



Daegu Easiapolis

Project area	1,176,956m²
Construction period	2007. 10 — 2011. 5

Housing · Modular



The Sharp Clark Hills

Construction Scale	1 basement levels, 21 ground floors (552 households)
Construction Period	2017. 11 — 2020. 11



Incheon The Sharp Sky Tower

Construction Scale	4 basement levels, 49 ground floors (1,897 households)
Construction Period	2017. 5 — 2020. 11



POSCO Giga Town

Construction Scale	The tallest domestic modular building (2022) B2-F12/ 2 Buildings; Tower A(200 rooms by modular), Tower B(300 rooms by reinforced concrete)
Construction Period	2020. 4 — 2021. 12

Urban Renewal



Yeonsan The Sharp

Construction Scale	4 basement levels, 30 ground floors (1,071 households)
Construction Period	2016. 7 — 2019. 3



Dalseo The Sharp Central

Construction Scale	2 basement levels, 20 ground floors (789 households)
Construction Period	2009. 4 — 2020. 8



Changwon The Sharp Central Park

Construction Scale	2 basement levels, 29 ground floors (1,458 households)
Construction Period	2013. 12 — 2017. 4

Business · Commercial



Paradise City

Construction Scale 2 basement levels, 10 ground floors
Construction Period 2015. 4 — 2017. 1



Jongno-gu Centropolis

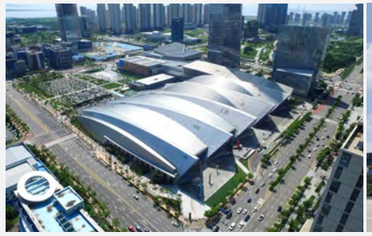
Construction Scale 8 basement levels, 26 ground floors
Construction Period 2015. 10 — 2018. 7



Lotte Hotel, Yangon Myanmar

Construction Scale 1 basement level, 29 ground floors
Construction Period 2014. 2 — 2017. 5

Culture · Research



Songdo Convensia

<Phase 1>
Construction Scale 1 basement level, 4 ground floors
Construction Period 2005. 3 — 2008. 4

<Phase 2>
Construction Scale 1 basement levels, 4 ground floors
Construction Period 2015. 12 — 2018. 7



Pohang Park 1538

Construction Scale 1 basement level, 2 ground floors
Construction Period 2020. 2 — 2021. 3



Pohang Incubating center (Change-Up Ground Pohang)

Construction Scale 1 basement level, 7 ground floors
Construction Period 2019. 12 — 2021. 6



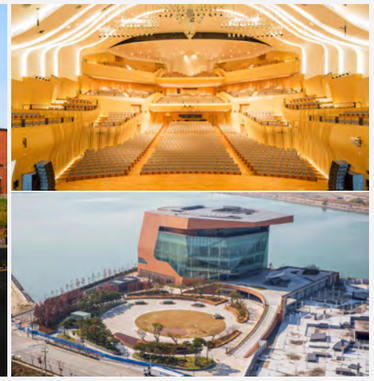
Songdo Tri-bowl

Construction Scale 3 ground floors
Construction Period 2008. 10 — 2010. 2



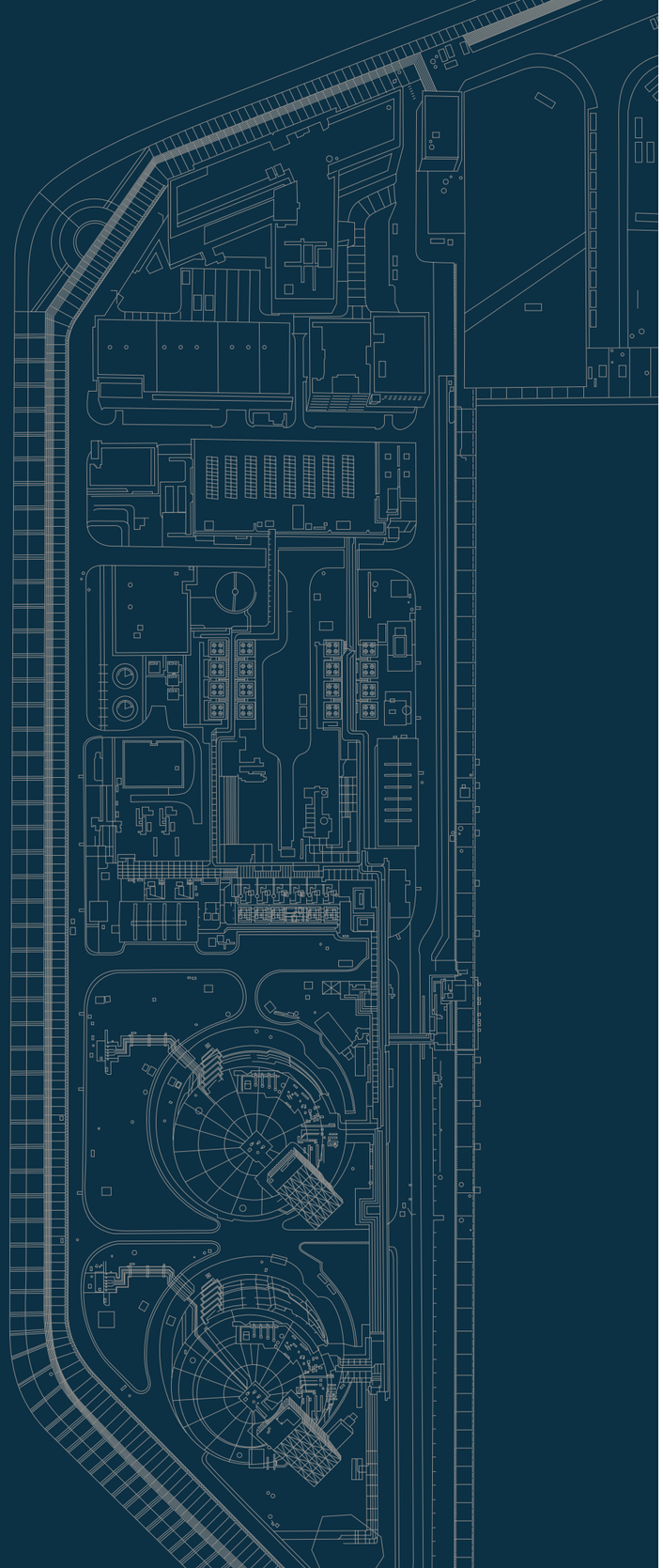
Daegu Beomeo Cathedral

Construction Scale 2 basement levels, 4 ground floors
Cathedral (2,500 seats), small cathedral (500 seats), performance hall (420 seats)
Construction Period 2013. 3 — 2016. 5



Art Center Incheon

Construction Scale 2 basement levels, 7 ground floors
Construction Period 2009. 5 — 2016. 8



A Robust Foundation for Industrial Development

We provide a total solution for industries based our global top-notch capabilities acquired from construction of steel and energy plants. Many integrated steel mills and energy plants that we have successfully built in and outside Korea have earned us global recognition. Based on our experiences from a wide range of EPC projects, we are now actively expanding our presence in industrial plants as well as the future clean energy sector including hydrogen business.

Power Plant

Optimized 'Gas to Power' Engineering Package

Secured the Engineering technology for sharing between Power plant and LNG terminal



Combined-cycle power plants

LNG Terminals

Underground Combined-Cycle Power Plant/ Formation of Cultural Complex Above Ground



Seoul combined-cycle power plant
(The world's first underground power plant)

Chemical Plant

In-House Engineering Technology Secured for LNG Tank Construction

First Korean Construction Company to Execute EPC Independently

Developed Construction Technology Customized to Projects that Save Construction Period

Developed construction methods of 'Wall liner formworks', 'Earlier installation of comperssion rings' and 'The outer shell section suitable for the slip formwork'





World's First Application of POSCO WTP (World Top Premium) Steel (High-Manganese Steel) in LNG Tank Construction

Industrial Plant

First in Korea to Apply Integrated Project Delivery (IPD) in Industrial Plants

POSCO FUTURE M Rechargeable Battery Anode Material Plant, Sejong

Brazil CSP Steel Mill

The largest overseas steel plant construction project that will go down in Korean construction history.

The CSP (Companhia Siderúrgica do Pecém) plant, an integrated steel mill in Brazil, is the biggest single steel plant project undertaken by a Korean constructor. The CSP plant is the symbol of Korea-Brazil economic partnership between POSCO, Dongkuk Steel, and VALE, the largest iron ore company in Brazil. The total investment amounts to 5.5 billion dollars, and as many as 10,000 construction workers were put in every day for 4 years to build the steelworks, which is capable of producing 3 million tons of semi-finished steel products (slabs) a year. The plant is complete with blast furnaces, a raw material yard, as well as sintering, iron making (smelting furnace), steel making, and casting plants.

Client	CSP
Type	Annual production capacity of 3 million tons of slabs
Construction Period	2012. 9 — 2016. 8

Indonesia
PT.Krakatau
Steel Mill

The first integrated steel mill construction in Southeast Asia.

Krakatau Steel (PT.KP Steel Mill), Indonesia is the first integrated steel mill in Southeast Asia. PT.KP steel mill is the symbol of a Korea-Indonesia economic partnership between POSCO and PT.KS (Krakatau Steel), a state-owned company in Indonesia. The total investment amounts to 5 billion dollars, with more than 7,100 construction workers involved in the project. Operation of the PT.KP Steel Mill in Indonesia made it possible to procure high-quality steel on its own, and the competitiveness of the steel demanding industry increased.

Client	PT.KP (Krakatau POSCO)
Type	Annual production capacity of 3 million tons of steel
Construction Period	2011. 7 — 2013. 12





Vietnam
LSP Tank Farm

The first petrochemical complex in Vietnam built by POSCO E&C.

The Tank Farm project in Vietnam was the country's first petrochemical complex construction project with investment from the SCG Group. POSCO E&C carried out a total of three projects as a package—the Tank Farm, Jetty, and the site development.

Client	Longson Petrochemical Co., Ltd. (100% Equities of SCG Group)
Type	31 Storage Tanks (LPG, Ethylene, Propylene and the other petrochemical feedstocks) Interconnecting Pipe Rack, Jetty Facilities
Construction Period	2018. 9 — 2022. 12

Panama COLON Gas to Power

LNG terminal that put the environment first and large-scale integrated plants at high-efficiency combined cycle power plant

The Gas-to-Power (GtP) business in COLON, Panama is a massive integrated EPC project that involved the construction of a GtP power generation facility and an LNG terminal that supplies gas in COLON, located about 70 km away from Panama City, the capital of Panama. The power generation plant in COLON built by POSCO E&C is the largest in the country and is capable of supplying electricity to approximately 300,000 households simultaneously. Having successfully constructed numerous power plants with an accumulated capacity of 13GW and multiple LNG terminals in Korea and abroad, POSCO E&C has the capability to design and construct optimum GtP plants following the ESG trend that will soon replace coal power plants as the total solution provider of energy plants.

Client	AES (Gas Natural Atlantico)
Type	CCPP 391MW + Tank 180,000m^3
Construction Period	Power plant 2016. 5 — 2018. 8 LNG Terminal 2016. 5 — 2019. 8

Argentina Brine Lithium Phase 1 Project

Completing Key Milestones in the Secondary Battery Materials Business Full Value Chain with the Construction of South America's Largest Production Plant

The Phase 1 lithium extraction plant in Argentina is South America's largest lithium hydroxide production facility for secondary battery materials, producing lithium phosphate from salt lakes at 4,000 meters above sea level in Salta Province (upper process) and converting it to lithium hydroxide in the lowlands of Güemes City (lower process). Through EPC project execution encompassing design, equipment supply, and construction of raw material input, production processes, automated product warehouses, and auxiliary facilities, POSCO E&C has completed a key pillar of POSCO Group's secondary battery materials business full value chain, establishing it as the starting point of business competitiveness.

Client	POSCO Argentina S.A.U
Type	· Upstream Process : Production of 25,000 tons/year of Lithium Phosphate (Total Ground Area : 14,315m²) · Downstream Process : Production of 25,000 tons/year of Lithium Hydroxide (Total Ground Area : 24,425m²)
Period	· Upstream Process : 2022. 4 — 2024. 8 · Downstream Process : 2022. 9 — 2024. 8

Upstream Process





POSCO Future M Rechargeable Battery Anode Material Plant, Sejong

Development of the new growth engine of POSCO E&C by building a smart factory producing secondary cell materials.

The cathode plant in Sejong by POSCO Future M, is a high-tech factory that manufactures 45,000 tons of anodes, which are used in secondary cells. In the project, POSCO E&C introduced smart construction methods for the first time in plant construction in Korea. Amidst the global mega trend represented by low-carbon and eco-friendly initiatives, POSCO E&C is joining in and creating a robust engine for growth by building a smart factory for secondary cell materials.

Client	POSCO Future M
Type	Construction of Rechargeable Battery Anode Manufacturing Plant
Construction Period	1st Phase (20,000ton/year) Total Ground Area: 21,610m³ Construction Period: 2018. 10 — 2019. 11 2nd Phase (22.000ton/year) Total Ground Area: 17,855m³ Construction Period: 2019. 12 — 2023. 8

Steel Plant



POSCO Pohang Steel Mill

Client	POSCO
Type	Annual production capacity of 16 million tons of steel



POSCO Gwangyang Steel Mill

Client	POSCO
Type	Annual production capacity of 20 million tons of steel



Vietnam FHS Integrated Steel Mill

Client	Formosa HaTinh Steel
Type	Annual production capacity of 7 million tons of steel Scope of Supply-RMHF, HRM, Sintering
Construction Period	2013. 1 — 2016. 6

Power Plant



NAM—JEJU Combined Cycle Power Plant

Client	KOSPO
Type	CCPP 173MW
Construction Period	2019. 2 — 2020. 11



INCHEON Combined Cycle Power Plant #7, 8, 9

Client	POSCO International
Type	CCPP 420MW×3
Construction Period	2012. 7 — 2015. 1



MALAYSIA PULAU INDAH Combined Cycle Power Plant

Client	Worldwide, KEPCO
Type	CCPP 600MW×2
Construction Period	2021. 1 — 2025. 1

Chemical Plant



Gwangyang LNG Terminal #5 Tank / #6 Tank

Client	POSCO International
Type	LNG Tank 200,000m^3×2
Construction Period	#5 Tank 2016. 11 — 2019. 12 #6 Tank 2021. 1 — 2024. 1



KOGAS Jeju LNG Terminal

Client	KOGAS
Type	LNG Tank 45,000m^3×2 (Above ground Membrane Type), Send out Facility 180t/h
Construction Period	2017. 2 — 2019. 10



Philippines JG Summit NCC Expansion

Client	JG Summit Olefins Corporation
Type	Ethylene 320 → 474KTA Propylene 190 → 237KTA
Construction Period	2017. 11 — 2020. 1

Industrial Plant



APROGEN biologics Osong cGMP Plant

Client	APROGEN Biologics Inc.
Type	Construction of manufacturing factory for Bio-similar products
Construction Period	2014. 4 — 2021. 3



STATSChipPAC Semi-conductor Packaging Plant

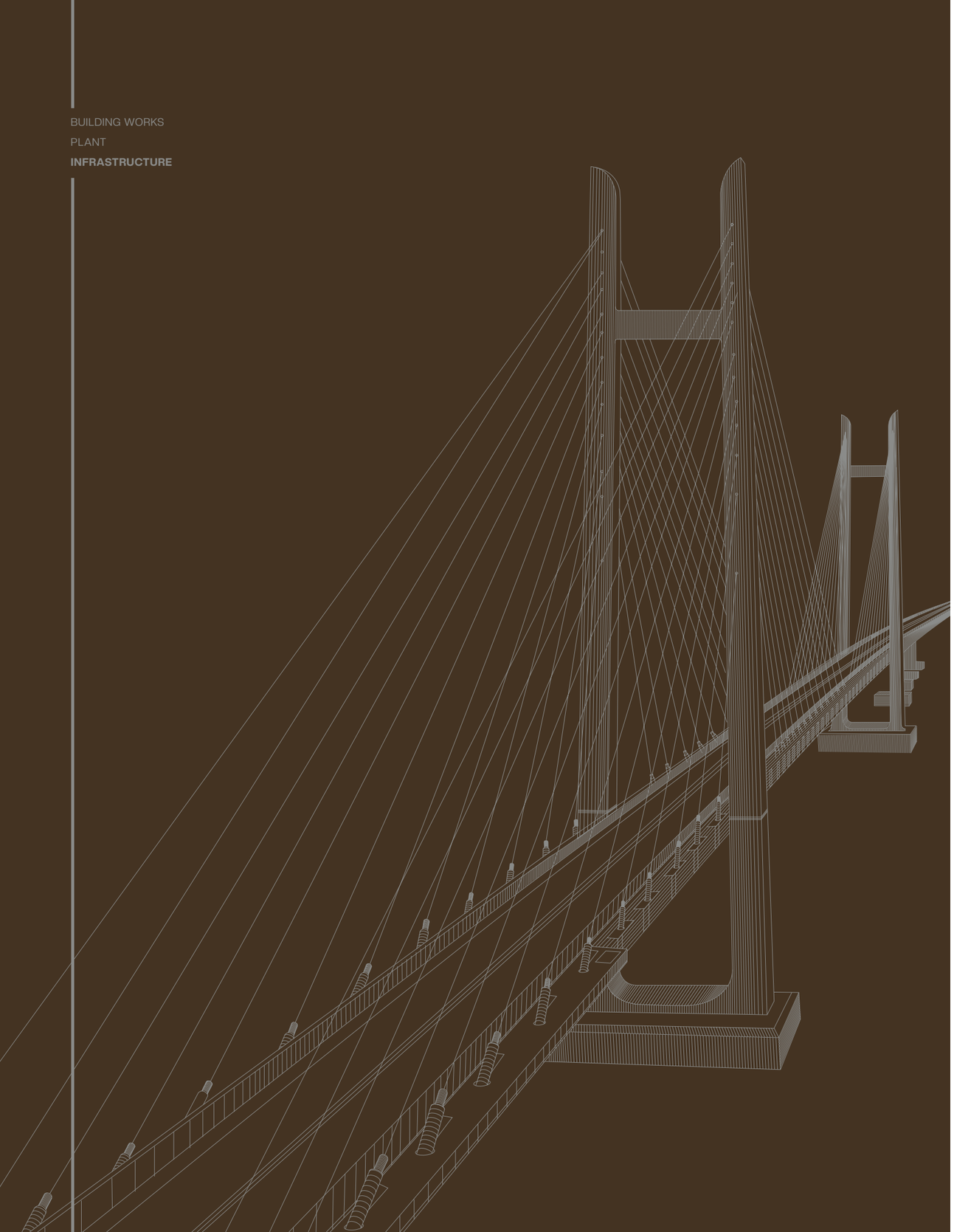
Client	JCET STATSChipPAC Korea Ltd.
Type	Construction of Semi-conductor Packaging Plant
Construction Period	2015. 11 — 2022. 12



Siheung jeongwang Logistics Distribution Center

Client	Mastern Inverstment Management Co., Ltd.
Type	Construction of Complex Logistics distribution center (Cold Storage 2 floors, room-temperature Storage 5 floors)
Construction Period	2019. 1 — 2021. 4

INFRASTRUCTURE



Connecting the World to Make It Easier to Live In

We empower better quality of life and economic growth while leading change to make the world a better place.
POSCO E&C is contributing to the development of the nation and local communities by making a conspicuous figure in virtuous cycle of resources, such as infrastructure that acts as the basis for various industrial activities like roads, railroads, ports, and bridges, as well as water treatment and waste-to-energy facilities in Korea and abroad.

Bridge

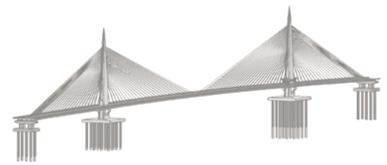
First in Korea to Develop Integrated Engineering Techniques for BIM 3D Modeling and Configuration Management of Cable-Stayed Bridges

Application of configuration management technology for cable-stayed bridges using BIM on Saemangeum Bridge

Constructs the World's Tallest Bridge Pylon Observatories (180cm-high on the third Incheon land bridge)

Proposed 180m-high pylon observatory on the third Incheon land bridge





Railways

First in Korean Subway Construction History to Apply Deep Underground Metropolitan Railway and Urban Integrated Stations

A new integrated stations optimized in complex urban areas
Reduced travel time with multi-storey stations and high-speed elevators





Smart Construction Management Using Vertical Path to Deep Underground Sites

BIMs made using GIS and optimum excavation work using M/C (GPS, measurement sensor) technologies

Jido-Imjado Bridge Construction Project, Korea (1st and 2nd Imja bridges)

POSCO E&C's first cable stayed bridge over the sea that improved transportation in island regions.

Jido-Imjado Bridge Construction Project, Korea was the first cable stayed bridge built over the sea that reduced the travel time from one hour by a vessel to five minutes by car, significantly improving the transportation system for local island residents. In addition, POSCO E&C used high-strength steel and won the Best Construction Project Award in a Symposium held by the Korean Society of Steel Construction.

Client	Iksan Regional Construction and Management Administration
Type	Road Construction (L=4.99km (2 Lanes), cable-stayed bridge 2EA: L=1,885m, intersection 3EA))
Construction Period	2013. 10 — 2021. 3

Breakwater Construction Project For the New Southern Ulsan Port, Korea

Building of the world-class oil hub in Ulsan port.

The 1.3km-long Ulsan New Port South Breakwater maintains calm waters within the port while protecting Phase 2 of the Northeast Asian Oil Hub project from waves approaching from the southeast of Ulsan Port. It is constructed as a Double-S type caisson breakwater suited to complex maritime characteristics and designed to block various wave patterns, including design waves, regular waves, and multiple harbor waves. The construction of the South Breakwater has enhanced the vitalization of the oil hub project, the safety of moored vessels and facilities, and the convenience for port facility users.

* Winning the 'Gold Prize' in 2024 Civil Structure Contest in Korea

Client	Ulsan Regional Office of Oceans and Fisheries
Type	Construction of the breakwater (1,300m(Caisson 14,200ton * 34EA) DCM 1 Lot, miscellaneous 1 Lot)
Construction Period	2017. 7 — 2023. 10

Waste-to-Energy Plant in Krakow, Poland

The biggest Waste-to-Energy facility in Poland. This facility generates Electric power and heat using wastes. It has the uninjury record during construction and green energy certification. Also, it is operating smoothly without defects.

Waste-to-Energy Plant in Krakow, Poland is the largest waste treatment plant in the country that can process 220,000 tons of municipal waste in a year. They then use the energy obtained in the process to provide electricity and heat to nearby areas. POSCO E&C received the zero defects, zero accidents certification in the safety and environmental assessment by the Krakow City Labor Office and another inspection by the regional Environmental Protection Agency thanks to their systematic control of factory systems that complies with the European environmental standards.

Client	K.H.K (Krakowski Holding Komunalny S.A)
Type	Waste-to-Energy Plant (220,000tons/year (340tons/day×2lines), power generation: 10.7Mwh)
Construction Period	2012. 10 — 2016. 6

Donghae Nambu Line (Railroad) Deokha train depot

The largest railway vehicle base in Korea.

Busan-Ulsan Deokha vehicle base on the Donghae Nambu line is the railway facility that manages trains that travel along the Donghae Line, Jungang Line, and the Daegu Metro line. The railway vehicle base built on a land area of 34,198m² is comprised of a low-maintenance plant where they conduct daily inspections like simple checks and cleaning, a high-maintenance plant where they disconnect and examine trains that have reached the inspection cycle, and a management building that supervises the entire vehicle base, and 13 attached buildings.

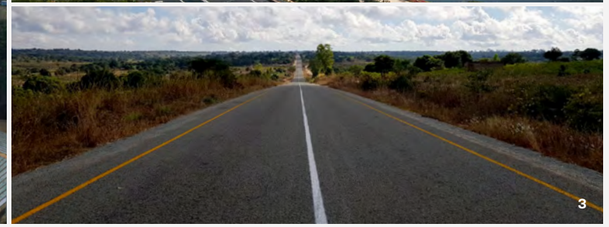
Client	National Railroad Corporation
Type	Railway (train 28 vehicle depot, Ancillary facilities for vehicle depot)
Construction Period	2014. 5 — 2021. 6



Roads







1

Western Inland Expressway Phase 1

Client	Western Inland Expressway Corporation
Type	(L=94km(Pyeongtaek-Buyeo), Bridge 139EA, Tunnel 9EA, JCT 5EA, IC 8EA)
Construction Period	2019.12 — 2024.12

2

Donghongcheon—YangYang Expressway

Client	Korea Expressway Corporation
Type	Highway Road Construction (L=5.62km (4Lane), Yeongdeok 3 Tunnel: 1,311m, Bridge: 900m, Tunnel 3ea: 1,640m, Bridge 9EA: 1,268m, IC: 1EA)
Construction Period.	2009. 3 — 2017. 7

3

Construction Works for Rehabilitation of National Road N104 between Nampula and Nametil in Nampula Province—Mozambique

Client	ANE
Type	Rehabilitation of National Road (unpackaged → DBST, 2Lane, L=70.6km, Bridge (6EA, L=130m))
Construction Period.	2018. 1 — 2020. 7

Offshore







4

Long Son Petrochemical Complex Package F-Port in Vietnam

Client	Long Son Petrochemicals Co., Ltd
Type	Jetty 1,500 DWT—100,000 DWT (2berths), Trestle 1.93km, Dredging 13,000,000m³
Construction Period	2018. 9 — 2021. 9

5

Gumi high—tech valley site building work

Client	Korea Water Resources Corporation
Type	area =3,754,467m², bridge 13
Construction Period	2012. 4 — 2021. 4

6

Takoradi T2 Expansion Project in Ghana

Client	Korea Electric Power Technology
Type	Water Intake & Drain pipe 1 Lot
Construction Period	2012. 7 — 2014. 6

Water · Environment



Anyang Saemul Park (Sewage and sludge Treatment Plant)

Client	Anyang City Water and Sewerage Office
Type	Sewage Treatment Plant: 250,000m³, Sludge treatment and drying facilities
Construction Period	2018. 2 — 2020. 12



Chungnam Provincial Government new town automatic collection facility

Client	Chungnam Provincial Government Development Corporation
Type	Depository: 2 places, Transport pipeline: 40km
Construction Period	2010. 10 — 2018. 9



Gwangju combustible waste

Client	Chungjung Bitgoeul Co., Ltd.
Type	household waste (800ton/day) Solid Refuse fuel (SRF) product manufacturing
Construction Period	2013. 12 — 2016. 11



Laos Nam Lik 1 HEPP (Hydro Electric Power Plant)

Client	NL1PC
Type	hydro power plant (H=48.7m. L=149m, water tunnel L=310m, Generator 32.25MW*2EA, transmission line 11km)
Construction Period	2014. 5 — 2019. 2



SEMANGKA Hydro-Electric Power Project in Indonesia

Client	PT. TEP (Tanggamus Electric Power)
Type	55.4MW Hydro Power Plant (Weir H 8m, tunnel 1,248m, Waterway 5.0km, Powerhouse 1 lot)
Construction Period	2015. 2 — 2017. 11



Greater Yangon Water Supply Improvement Project

Client	Yangon City Development Committee
Type	Additional facilities in the existing water treatment plant and new storage tank supply (3 pump facilities, disinfection facilities 4EA, management building 1EA, storage tank 2EA 22,000m³, 28,000m³)
Construction Period	2018. 1 — 2021. 8

Railways · Subways



Seongnam train depot

Client	Korea Railroad Authority
Type	Railway (area: 278,436m², service line: 1.84km, Vehicle depot: 1.13km, 12 quarry lines, Inspection, Construction, Electrical, Mechanical, Signal, Communication)
Construction Period	2012. 12 — 2017. 3



Seoul Metro Line.9 Phase.3 Lot No.921

Client	Seoul Urban Infrastructure
Type	Railway (Extension: 1,742m (excavation 382m; shield TBM 1,274m; NATM 86m))
Construction Period	2009. 12 — 2018. 12



Monorail for Line 3 of the Panama Metro

Client.	MPSA (Panama Metro Corporation)
Type.	Railway (L=26.7km, Monorail construction, including 14 stations and 1 vehicle depot) ※ Our Scope: Area-270,000m², Vehicle depot construction, management building and 17 other buildings
Construction Period.	2021. 2 — 2025. 8

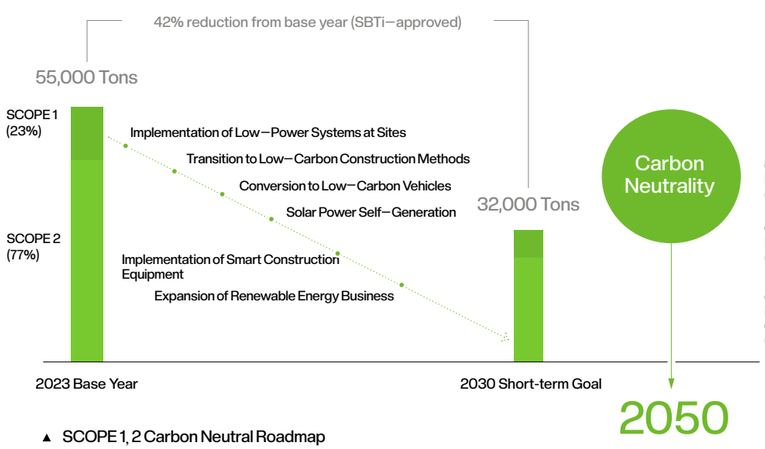
SUSTAINABILITY MANAGEMENT

Our Commitment to Sustainable Growth

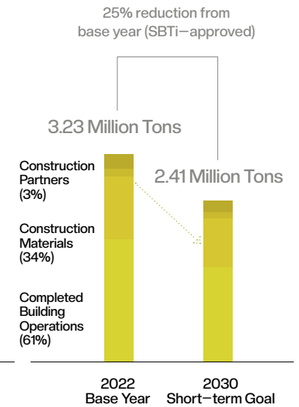
We will continue challenging industry limitations with our commitment to ‘Going Green for Next Generation,’ pursuing the value of humanity and Earth’s ecosystem while pledging to leave a better world for future generations.

Carbon Neutral Roadmap (SBTi Approved)

To achieve our 2050 carbon neutrality strategy, we plan to reduce greenhouse gas emissions by 25% by 2030 compared to 2022 (base year). The 2030 short-term carbon reduction target has been validated as scientifically sound in its reduction goals and pathway through approval from the Science Based Targets initiative (SBTi).



▲ SCOPE 1, 2 Carbon Neutral Roadmap (Domestic and International)



▲ SCOPE3 Reduction Target (Domestic)

Eco-Friendly Site Management

We manage environmental impacts across all phases, including construction, installation, procurement, and post-completion.

Installation Phase		Procurement Phase	Construction Phase		Communication Phase
R&D	**Design**	**Procurement**	**Construction**	**Disposal**	**Marketing**
· Development of Eco-Friendly Construction Methods · Development of IT-Based Green Technologies	· Eco-Friendly Design · Preventive Control and Elimination of Environmental Risk Factors	· Supporting supplier’s Development of eco-friendly products · Green Partnership Expansion	· Eco-Friendly Site Management · Focused Environmental Risk Management	· Operating waste management systems · Reducing waste generation	· Organizing contest for eco-friendly construction best practices and ideas generation · Eco-friendly campaign



Achieved CDP Leadership Rating (A–) for 2 Consecutive Years

*CDP (Carbon Disclosure Project): International non-profit organization headquartered in the UK



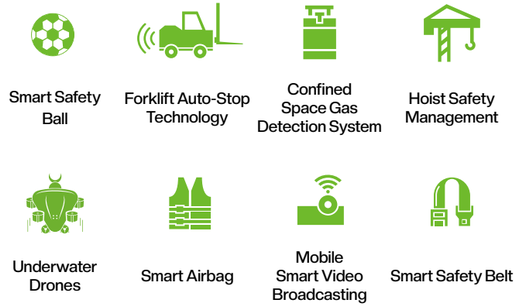
Implementation of Hydrogen Buses for Commuting



Installation of Mobile Solar-Powered Worker Rest Areas

Safe Workplace

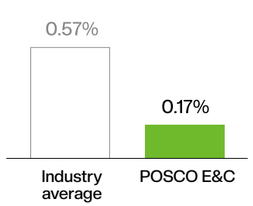
Smart Safety Solution



Accident Rate

The ratio of accident victims per 100 workers

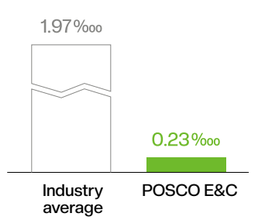
Calculation period: 2021–2023



Fatality Rate

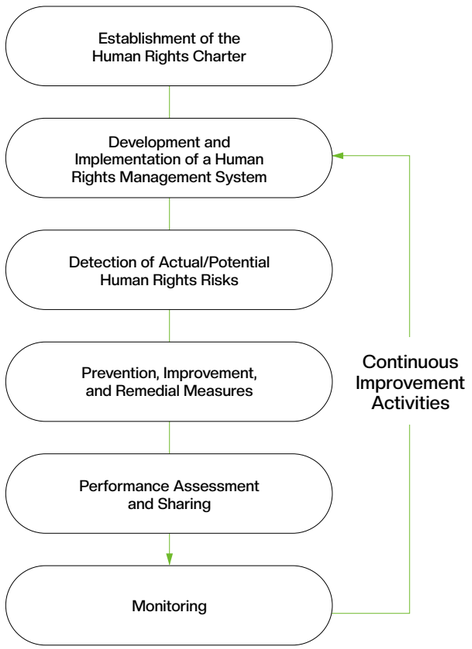
The ratio of fatal accident victims per 10,000 workers annually

Calculation period: 2021–2023



Human Rights Management

POSCO E&C strives to internalize human rights management while respecting global human rights norms and guidelines, including the Universal Declaration of Human Rights and UN Guiding Principles on Business and Human Rights.



Sustainable Supply Chain

Leap to become a global sustainable procurement leader

Leading sustainable procurement by making it a basic principle to purchase from suppliers that have an eco-friendly operating process and fulfill their social responsibilities.

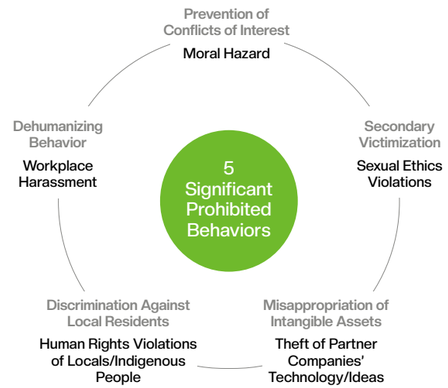


Building a Healthy Supply Chain Based on Safety and ESG Management	Mutual Growth with Honored Suppliers Based on Quality and Profitability	Reinforce Eco-Friendly and Socially Beneficial Supply Chain
Expansion of ESG Assessment Application Enhancement of Partner Companies' Capabilities through ESG Consulting Support	Expanded Collaboration with Outstanding Partners Centered on PHP (POSCO E&C Honored Partner)	Support development of carbon inventory system to reduce carbon emissions and conserve energy Develop and expand use of eco—friendly materials

Business Ethics

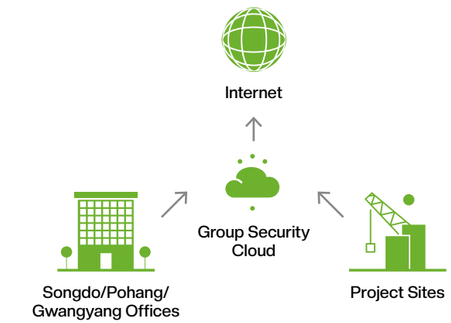
We practice ethical management based on three ethical principles—INTEGRITY, RESPECT, MUTUAL EMPATHY—to prevent four primary unethical practices and five significant prohibited behaviors.





Information Security

In 2014, we obtained the international standard ISO 27001 certification to secure company information assets. In 2024, we further strengthened our information security system by acquiring ISMS—P certification to enhance personal information protection for The Sharp customers.



Information Security Infrastructure

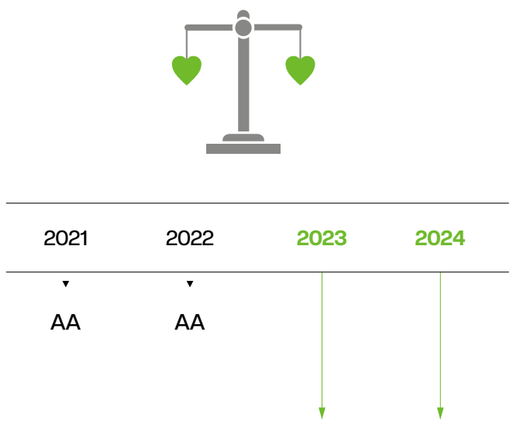
- Group Companies Security Monitoring Service
- DRM (Encryption of documents)
- DB Encryption
- DLP (Data Loss Prevention)
- Harmful Site Blocking
- Personal Information Protection Solution

ISO 27001
Information Security Management System Certification

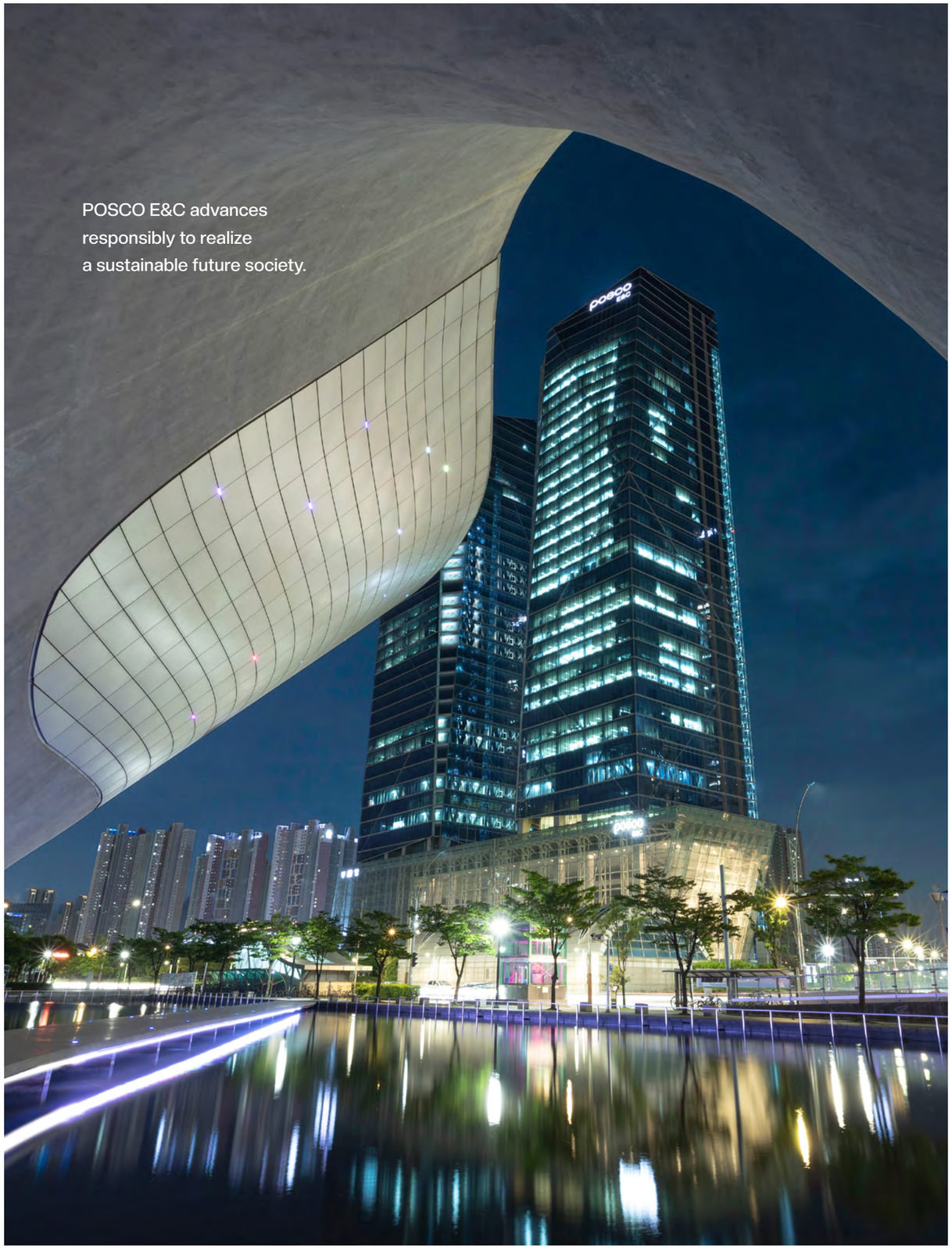
ISMS—P
Personal Information & Information Security Management System Certification

Fair Trade

We introduced the Compliance Program (CP) in 2003 to establish fair trade practices within the free market competition order. Through compliance activities, including developing fair trade monitoring systems and industry—specific training, we achieved the highest grade (AAA) in the Fair Trade Commission's CP grade evaluation for 2023 and 2024.



AAA Excellence



posco E&C

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