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GS E&C

Create New World
NO LIMIT · NO BARRIER
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Result

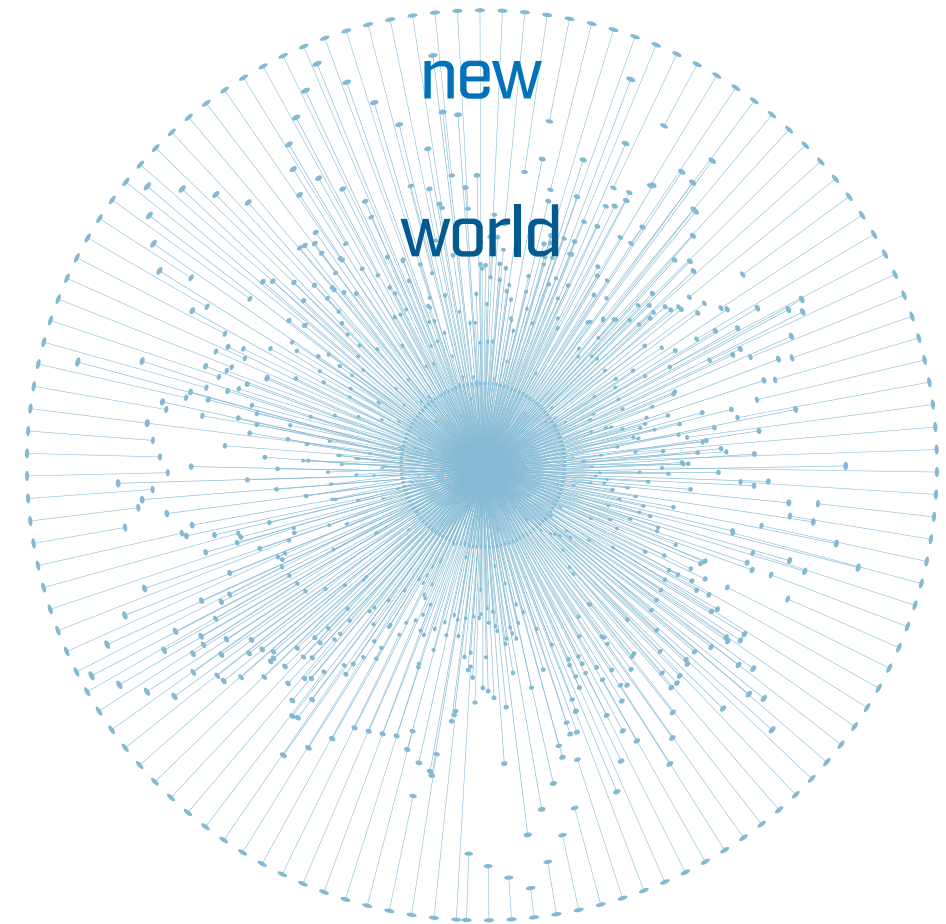
Plant
Architecture
Power
Infra
Leisure

Network

Global Network
Epilogue

Create

new
world



We create a new future with world-changing initiatives.

We create a great legend of success with world-changing passion.

NO LIMIT BARRIER

There is no limit to pioneering the future.

There are no barriers to building happiness for human beings.

GS Engineering & Construction Co. Ltd. started in Korea and has grown into one of the biggest construction companies in the world.

Now, the company is overcoming business barriers to advance into new territories.



CEO's Message

Aiming to be
a reliable
partner on creativity
and passion

GS E&C has made growth as the nation's best level construction company in all project areas, such as plant, power generation, environment, civil engineering, architecture and housing, etc. since its foundation in 1969.

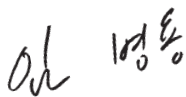
This company is in pursuit of sustainable growth as a top priority, and doing its utmost effort to leap towards a full-scale Global Top Tier.

For this purpose, GS E&C is making a full preparation for securing Global core capabilities along with strategic nurturing of the new growth project, not to mention excellent performance at the existing major business.

Once again, I'd like to extend my heartfelt thanks to you for showing deep affection and concern for our GS E&C; hereupon, I sincerely promise that our company will be reborn as a sustainable, reliable Global GS E&C.

Thank you.

Lim Byeong Yong, President & CEO
GS Engineering & Construction



As a construction leader in the 4th Industrial Revolution,
GS E&C soars ever higher towards the global top tier,
creating sustainable value through its passion and innovation.



Endless Challenge

With endless initiatives and passions,
GS E&C goes beyond Korea's best toward the world's best.

Our adventure into the world is not over yet.
Having taken its first step in 1969 and built on its top-tier human resources and top-notch technology, the company has continued innovative growth and success that surprises the world.

GS E&C now soars again with limitless passion toward the next level.

History

1970s~1980s



1969 Lackhee Development Co. (LDC) incorporated.
1975 Company name changed to Lucky development Co.
1977 Lucky International Construction Co. created.
1979 Merged with Lucky Overseas Construction Corp.
Designated as Housing Contractor by the Ministry of Construction.

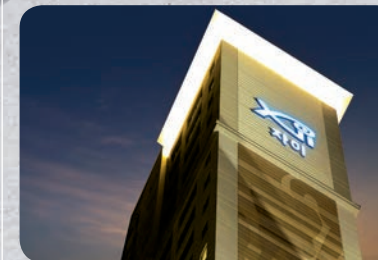
1981 Initial Public Offering.
1983 Joint venture company Lucky Development (Arabia) Ltd. establishe
1984 Honored with 1-Bil.-Dollar Export Tower in overseas construction.
Lucky Development International Inc. (U.S.) established.
1986 Completion of the Lucky Dongrae Apartments.
1987 Completion of the Lucky Goldstar Twin Tower.
1988 Start of construction of the Lucky Goldstar North America Headquarters.
Completion of the Imam University Sports Center.
Company moves to Yeokjeon Building.
1989 Lucky Development Saipan Inc. established.

1990s



1990 Participates in the Soviet Union Development Project and the Construction Technology Research established.
1991 Gains construction license in Japan.
1992 Gains patent for mobile partition device for construction of variable walls.
1993 Accredited in construction of nuclear power plant by ASME (American Society of Mechanical Engineers).
Lucky Thai Engineering & Construction Co., Ltd. established in Bangkok.
1994 Accredited ISO 98001 for international quality management.
Gains KT (Korean new technology) Mark for "Korean Small/Mid Sized City Waste Incineration System."
Signs MOU with China Construction Corp.
1995 Company name changed to LG Construction.
1996 Accredited ISO 14001 for environmental management system.
1997 "LG Chemical Daeduck institution building" is awarded a grand prize of "Korea Construction Culture."
1998 LG Chem Research Park in Daejeon awarded the Grand Prize in Korean Architecture Award.
LG-HP SUNFLOWER INTERNATIONAL VILLAGE awarded the Vietnam Haiphong People Committee Award.
1999 LG Construction and LG Engineering merge.

1st decade of the new millennium



2000 "BIO-NET" sewage treatment method designated new technology by the Ministry of Construction and Transportation.
Seohae Grand Bridge awarded the Presidential Citation.
2001 Selected as the Best Corporation in Management Structure by the Korean Stock Exchange.
2002 KEPCO Art Center awarded Seoul Architectural Work Awards.
The new apartment brand 'Xi' launched.
2003 Chosen as "Best Corporate Management Structure" by the Korea Stock Exchange.
'Xi' chosen as the No. 1 brand in the Consumer Well-Being Awards.
2004 Total market value reaches 1 trillion won.
Enters the nuclear power plant business by being awarded construction of the "Shinwolsung Nuclear Power Plant No. 1 and 2."
2005 Corporate name changed to "GS Engineering & Construction Corp."
Awarded the "Silver Tower Award" for the restoration of the Cheonggyecheon.
2006 Opened Safety Innovation School.
2007 Approved investment permits in building a new town in Nabe, Vietnam.
2008 Xi comes 1st in apartment category for 3 straight years in First Brand Grand Prize.
2009 Banpo Xi receives the Presidential Award in the Livable Apartment Award.
Boutique Monaco awarded the Grand Prize for the Private Sector during the Korean Architecture Awards.
Time Square awarded Total Architecture Grand Prize in the Korea Civil Works & Architecture Grand Prize.

2010s



2010 Won the order for a 3.6-billion-USD-worth oil refinery in Ruwais, UAE.
Admitted into Dow Jones Sustainability Index.
2011 Rated as the Most Reliable Corporation 3 years in a row.
2012 GS E&C takes over Spain-based Inima.
2013 Honored with the 1st Government Citation for Korea's Endeared Firm.
2014 The company building moved to Gran Seoul, Cheongjin-dong, Jongno-gu, Seoul.
Won the order for Clean Fuels Project, Kuwait at USD 4.8 billion.
Won the order for Karbala Project, Iraq at USD 6 billion.
2015 Awarded a total champion of Singapore-based ASAC (Annual Safety Award Convention).
2016 Won the order for T301 Project, Singapore at SGD 1.988 billion.
Signs an MOU for Phase 11 & 14 of Natural Gas Field Development Project in South Pars, Iran.
Safety Innovation School opens in Singapore.
Wins the order for Morupule B Phase II coal-fired thermoelectric power plant in Botswana.
2017 Received the order for Bangladesh Patuakhali - Gopalganji 400kV Transmission Line
Won the order for restoring the oil refinery in Ruwais, UAE.
Received the order for Chile ATACAMA Seawater Treatment Plant (GS INIMA)
2018 Making inroads into Indonesia's housing market - City Gate 88
Order received for Tanzania New Selander Bridge Project
The opening of the world's first Inclined Tower - Noryang Grand Bridge(Namhae-Hadong)
Order received for Numancia Waste Water Treatment Plant (Spain)
Presidential visit to T301 site in Singapore (Korean President Moon Jae-in)
2019 Achieved 'KRW 1 trillion in operating profits' for the first time.
Developed Sys Clein, South Korea's built-in air purifying and ventilating system.
Won the order for solar power plants in Zakarpattia, Ukraine.
Participated in a USD 1.4 billion petrochemical plant project in Ceyhan, Turkey.

2020s



2020 Acquired Danwood S.A., a Polish modular housing company and Elements Europe Ltd., a British modular housing company.
Selected as the preferred bidder for a private investment project to construct the Wirye-Sinsa Line.

Global Leader

**As a global builder recognized by the whole world,
GS E&C creates a sustainable future!**

With global sustainable growth management, the company has written the best possible record.
Listed 10 years in a row in DJSI Asia Pacific, dubbed the indicator for good companies,
GS E&C has captured the honor of being named the world's 24th construction company by
the US-based ENR magazine.

GS E&C raises the prestige of Korea in the world.

as selected by the US-based ENR,
a world-renowned construction magazine

World's **24th**
construction company
(International Contractors)

24 | **38** GS ENGINEERING & CONSTRUCTION, Seoul, South Korea[†]



in Dow Jones Sustainability Index¹⁾

Asia Pacific

Listed **10** years in a row

1) Dow Jones Sustainability Index (DJSI): Co-hosted by the US-based Dow Jones Index and SAM, a Swiss sustainable management rater, it is a trusted index that culls global standard firms by assessing the financial performance and profitability (such as corporate governance and risk management), environmental quality (such as eco-friendly management), and sociality (such as HRD, corporate citizenship).

Value Creator

**Wondrous achievement with core resources and skills
The status of GS E&C is proven with overwhelming figures!**

Achievement through unparalleled performance draws worldwide attention.
Carrying on solid growth in areas of plant, civil engineering, construction and housing,
GS E&C presents a new paradigm in construction with its know-how that masses advanced technology.

GS E&C is creating highest values around the planet.

Global Network

27 countries of
the world

25 overseas companies
or branches

176 project
sites

Financial Highlight

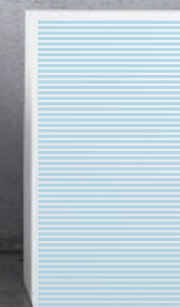
As of Dec. 31, 2019 (unit: 100 mil. won)

Orders on hand

442,528

Incoming orders
100,725

Total sales
104,166



World-changing Technology

GS E&C has been changing the world through endless challenges and technology innovation.

GS E&C is now emerging as one of the global construction leaders by combining modular technologies and preconstruction services which is drawing attention as new trends in global construction, advanced smart technologies, and eco-friendly technologies.

PreCon Service

Modular Construction

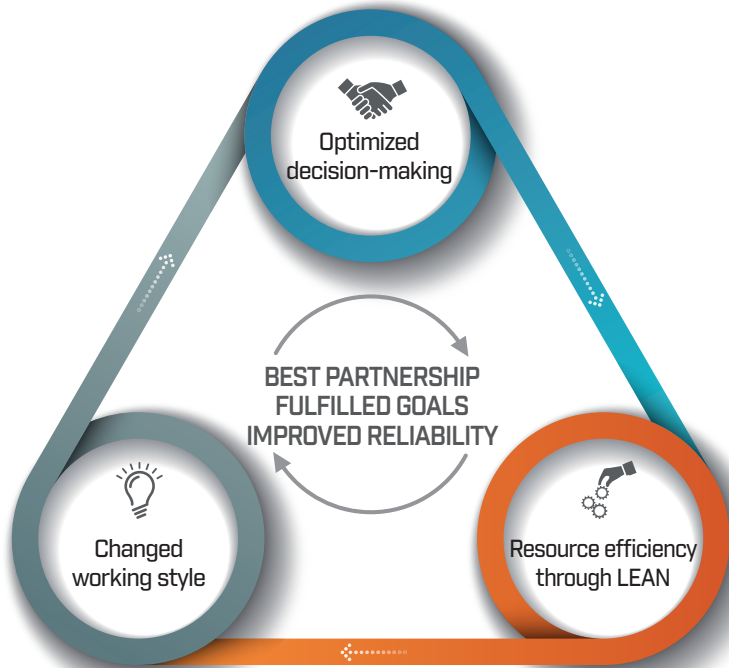
Smart Technology

World-changing Technology

PreCon Service

PreCon Service changes the global construction practice.
Advanced system with transparency builds customer trust.

GS E&C's PreCon Service adopts order-placing mode specific to advanced countries to speed up project implementation and reduces construction costs. Increasing efficiency in construction projects, the advanced system lets project owner, designer, and builder share their know-how by forming a team from project planning to design. It boasts excellent efficiency as it precludes risks from design change with BIM (building information modeling) and ensures single-time monitoring of equipment & materials and manpower required in different stages.



Daegu Bank (DGB) Data Center (PreCon)



Hana Dream Town (PreCon)



Hana Financial Group IDC (PreCon)



Parnas Tower (PreCon)



NCSOFT (M&E BIM)



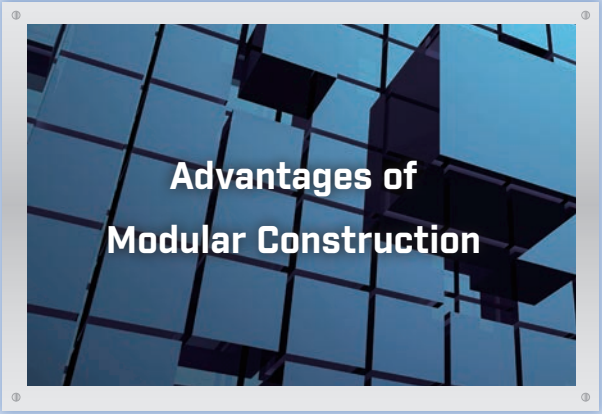
Changwon Gyeongsang National University Hospital (BIM+LEAN)

World-changing Technology

Modular Construction

New innovation going beyond the limits of construction with newly conceived eco-friendly, modular structures.

GS E&C is soaring as one of fast-growing global modular construction market leaders. By adopting the fast-growing modular (prefabricated) construction method and developing it as a future-oriented innovation project, GS E&C is helping to lead global construction trend and address demands to improve productivity and efficiency of the construction market.





Innovative Reduction of Pollution and Noise

80% of pollution caused by construction comes from construction sites. As modular construction involves the practice of assembling key structures at a factory, it can remarkably reduce the effects of pollution and noise on nearby areas.



Safe Working Environments and Accident Reduction

As most of the construction work proceeds at a factory and on-site work is minimized, safe environments for high-risk work are provided which reduces the risk of accidents.



Improvement of Time & Cost Predictability

The well-established manufacturing and assembling process enables accurate prediction of project schedules and related costs. Consequently, it guarantees actual cost and time certainty as planned.



Reduction of Construction Periods and Quality Improvement

As the modular construction method enables construct of a building by assembling structures in a shorter period of time and mobilizing a smaller workforce compared to other methods, it remarkably reduces manufacture and construction periods. Besides, the method ensures construction quality remains consistent as it protects against effects of external environmental factors.



Reduction of Construction Waste and Material Waste

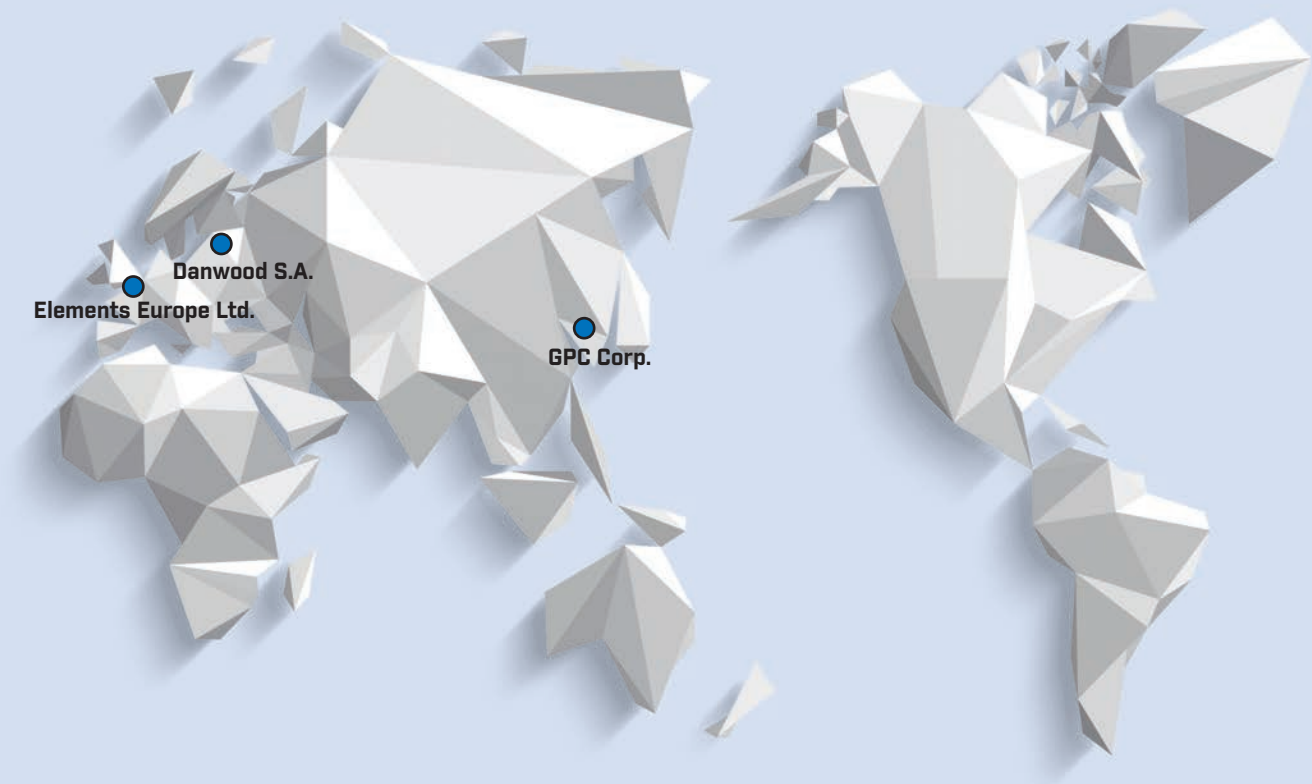
Unlike old methods that usually waste more than 15% of construction materials per project, the modular construction is an eco-friendly method that remarkably reduces construction waste and material waste.

World-changing Technology

Global Modular Provider

GS E&C, one of modular housing companies in Europe and Asia, is emerging as a global leader of the next generation modular market.

As a modular housing company in the global market including Europe such as Germany and the UK, and Asia, GS E&C is emerging as one of new global companies by using strengths, technologies and networks of its three subsidiary modular home providers that are inter-complementary in terms of their expertise and sales territories.



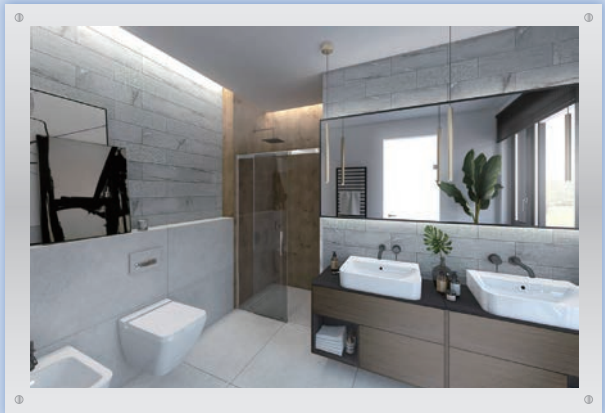
Global Network

SUBSIDIARIES [Modular]	Danwood S.A.(Poland)	Elements Europe Ltd.(United Kingdom)	GPC Corp.(Republic of Korea)
(2020. 4)	Konstantego Ciołkowskiego 2, 15-245 Białystok https://www.danwood.pl/	Queensway Apley Telford TF1 6DA https://elements-europe.com/	Chungcheongbuk-do, Korea

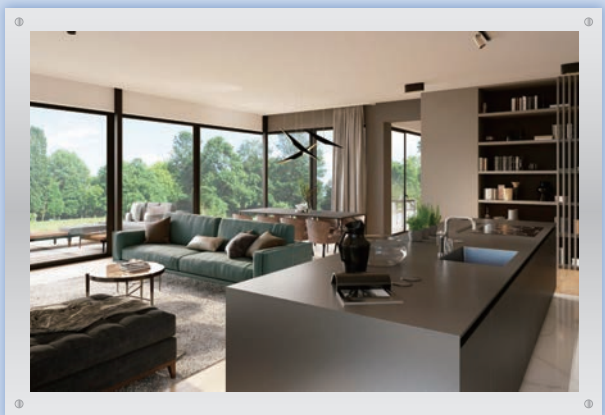
Projects



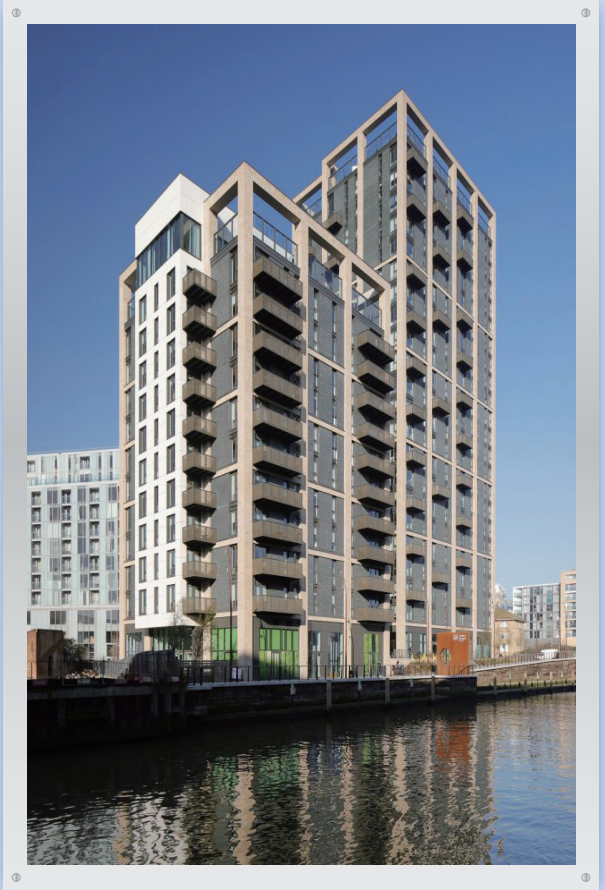
Design samples provided by Danwood S. A.



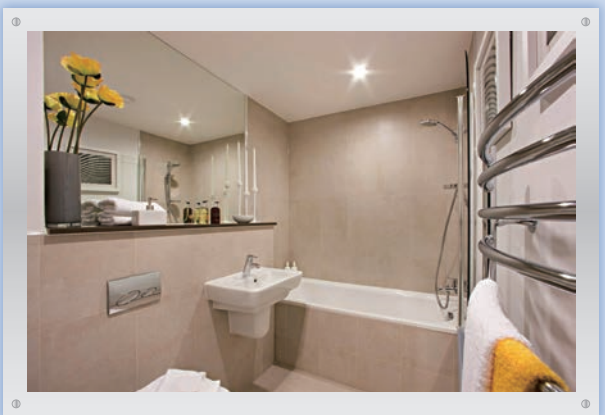
Design samples provided by Danwood S. A.



Design samples provided by Danwood S. A.



Greenwich (23F, London) built by Elements Europe Ltd. (UK).



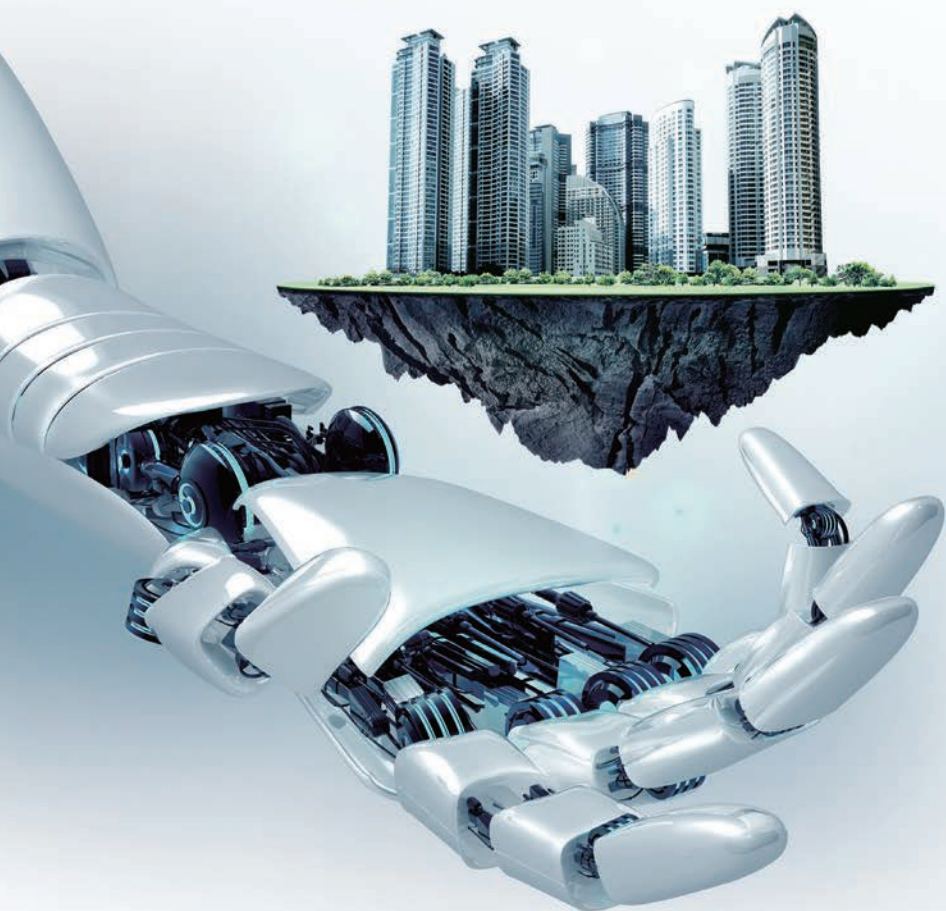
Bath Pod (a modular toilet) made in Elements Europe Ltd.

World-changing Technology

Smart Technology

By aggressively adopting the latest smart construction technology, GS E&C enhances construction safety and quality, and contributes to improvement of productivity.

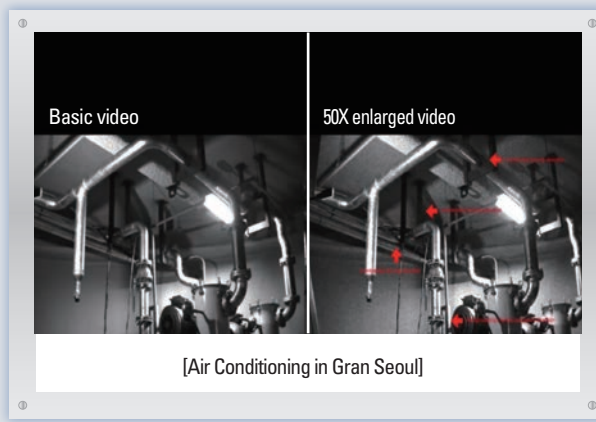
With a view to a technological revolution, GS E&C actively expands utilization of smart devices in the construction industry, whose effects are proved among smart construction technologies. And the company enhances construction safety and quality and contributes to improvement of productivity by verifying effects on project sites and developing related technologies.



Vision Monitoring

The technology can visualize operation of complex systems (such as plant piping) or big structures (such as bridges and buildings) using image data, supplement the conventional vibration measurement technology by quantifying vibration displacement, and helps effective communication and prompt decision-making.

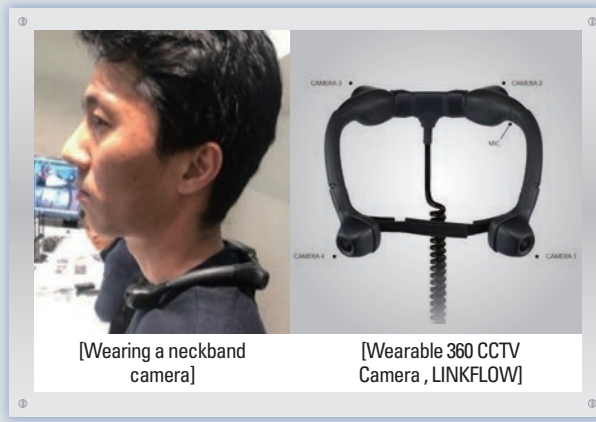
- Construction equipment vibration diagnostics: Gran Seoul air conditioning equipment, backup generator
 - Cable vibration visualization: Vibration analysis of Noryang Bridge cables
 - Structural vibration measurement: 3NE Bridge, Noryang Bridge
 - Structural safety diagnosis: Daegu LRT Bridge
- Plan to support vibration issues along with wired & wireless sensor technologies



Worker Safety Management using a Wearable Neckband Camera

By using a mobile neckband camera that has remedied the drawbacks of the fixed CCTV, the solution minimizes safety blind spots, bring efficiency into safety management, and make construction quality control and process management more effective. We will also use it to detect hard hats, detect abnormal behaviors among others by connecting it to the AI safety management system.

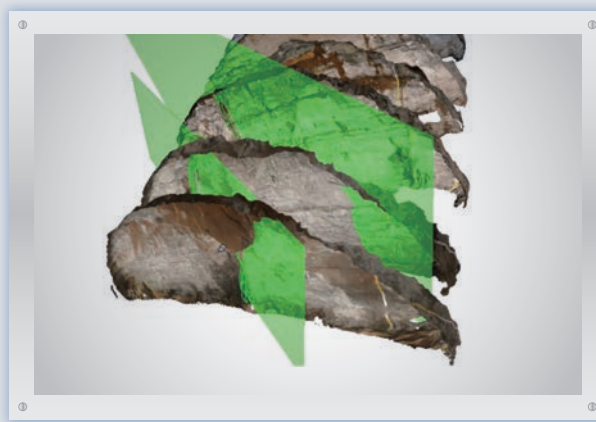
- Demonstration at the N101 section of the North-South Corridor in Singapore, Project manager's demonstration at the PRC2020 TA site, Demonstration at the Mandeok-Centum site
 - AI-based tests to detect whether workers are wearing their hard hats on the Y2C site
- Conduct pilot tests to see if a movable CCTV camera can be used for the Mapo Prestige Xi site (Dec. 2019)
- Plan to perform safety management for a fixed CCTV camera's blind spots in the underground road in Busan (Mandeok-Centum) (Jul. 2020)
- Monitor the smart safety management system technology linked to AI image analysis(whether to wear hard hats, whether to fasten safety hooks and real-time video of openings)
- We are working to include it in safety management items



Digital Face Mapping of a Tunnel

Digital face mapping is an advanced technology that uses digital equipment to collect data of tunnel excavation surface and converts the collected data to a 3D model. The technology can provide and use objective and reliable data of tunnel excavation surface.

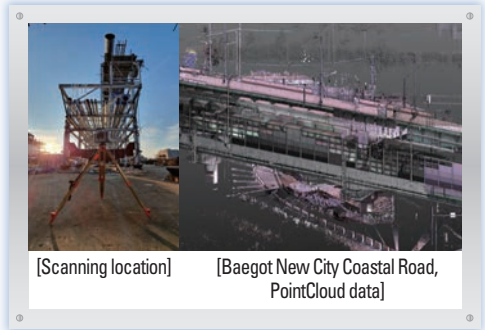
- Pilot Sites: Section 1 of Seoul- Munsan Expressway, Section 2 of Seobu Expressway, Section 2 of Sinlim-Bongcheon Expressway
- Operating Section 3 of Changnyeong-Miryang Expressway (from Jan. 2019)
- Operating Section 4 of Icheon-Osan Expressway (from Sep. 2019)
- Plan to expand a pilot site across the company's all tunnel sites



World-changing Technology



[Section 4 of the 2nd Seoul Metropolitan Beltway (Icheon-Osan), PointCloud data]



[Scanning location] [Baegot New City Coastal Road, PointCloud data]



Measuring the heat of hydration in the center ceiling
Automated curing system for concrete
[Managing concrete lining in Section 3 of Seoul-Munsan]



[Connect an external mic] [GS SPL: Environmental noise impact assessment]

Quality Control using a Laser Scanner _ ① Management of overbreak in tunneling

Unlike the conventional 2D cross-sectional measurement that uses a total station, the scanned data that uses a Scanning Total Station can not only analyze the corresponding cross sections but also freely set measurement sections. Also, the scanned data can accurately calculate the volumes of shotcrete and lining concrete with scan data, and provide the status report of tunnel construction including visualization of a tunnel and information on underbreak/overbreak and supplies.

- Demonstration application: Section 4 of the Second Seoul Metropolitan Beltway (Icheon-Osan), Section 2 of Sinlim -Bongcheon Expressway, Seoul-Munsan Expressway Section, etc.
- Plan to be reflected in the next construction of tunnel excavation surface and build real-time underbreak/overbreak management processes.

Quality Control using a Laser Scanner _ ② Precision Survey of Sites & Structures

This is a technology that can accurately understand the information of the shape of measurement objects by projecting a laser beam at the surface of an object to measure the time the beam returns, and calculating the distance between the object and the reference point. The technology is used to understand site conditions prior to construction, construction precision, and deformity affecting existing structures.

- It is used on a new project site prior to construction (Construction Precon Team)
- Y2C, MFC project: Understand the status of anchor bolts installed in the module section and survey the status of pipes installed in the single welding section
- RRW Damage Assessment: It is used to compare laser scanning data and BIM models
- Expansion of the ramp bridge at Bukro Juncture in Section 1 of Seoul-Munsan: Accurately reviewing morphological data by integrating Drone/Laser Scanning data and the BIM model
- Underground roads (Mandeok-Centum) in Busan, and Baegot New Town Coastal Road: Acquire the morphological data of existing structures through laser scanning

→ Plan to use it for accurate surveys of existing structures to assess the safety of old plant structures

Application of IoT in Concrete Curing

The company brings greater convenience to management and improves the quality of concrete installation by providing on-site managers with real-time information needed for quality control for each stage of concrete production, installation, and management through the IoT-based monitoring system.

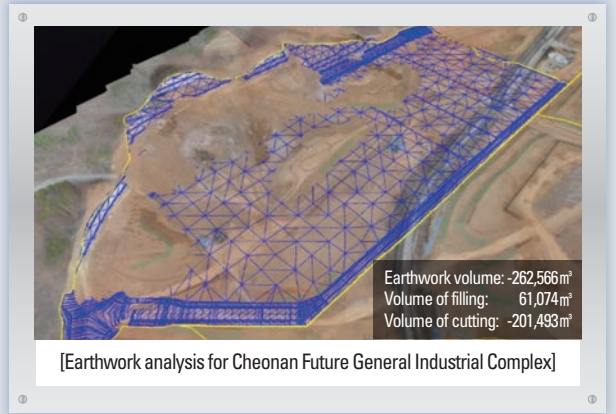
- Infrastructure: Sections 1 & 3 of Seoul-Munsan Expressway, Section 3 of Changnyeong-Miryang.
- Construction: 2nd Xi Complex in Ilsan, etc. • Power: Biomass Unit 2 in Dangjin, etc.

→ Plan to add functions such as automated quality control and documentation
→ Plan to add a function to predict the strength to apply the computerized temperature method
→ Apply the development system companywide and link it with TPMS

Mobile Noise Control

It is the convenient and effective noise control technology that lets on-site environmental managers to measure noise levels of noise sources on site to predict noise levels of nearby areas where complaints are filed, and establish noise reduction measures based on the prediction.

Business Fields	Project /Site names	When to apply it	Details and effects of application
Plant/Environment/ Power/Construction/ Infrastructure	Possible to use environmental managers in all project sites	2020. 3	Distribute internally-developed apps and train on how to use them



[Earthwork analysis for Cheonan Future General Industrial Complex]



[Construct slopes in Section 2 of Gwangju Beltway]



[Virtual tour of Gaepo Residence Xi 114]

Landform Survey with Drone Mapping

Drone technology is used to promptly collect local data on wide areas or inaccessible regions, create the 3D digital topographic model and enable measurement, earthwork analysis, process visualization and workflow management in planning, design and construction stages.

- Earthwork analysis for three industrial complexes including Cheonan Future
- Earthwork analysis for Sections 1 and 3 of Seoul-Munsan Expressway.
- Analysis of the original ground surface in Section 1 of Saemangeum-Jeonju Expressway
- Analysis of the subsidence of South Breakwater on the Yeongil Bay in Pohang
- 23 applications (2 planned applications)

→ Route surveying for power transmission facilities in Bangladesh
→ Create a guide use drones on site

Improving Earthwork Productivity using Machine Control

It is a technology that minimizes time loss due to measurement by humans and construction errors which are factors to lower earthwork productivity, and enables to perform precise and safe earthworks without measurement support by adopting the MC technology using ICT. We are using our own software (iS 3D Ex) to convert drawings from 2D to 3D.

- Construct slopes in Section 2 of Gwangju Beltway, Section 4 of Icheon-Osan Expressway, etc.
- Excavation work of LG Art Center, Dangin Biomass Power Plant, and the 4th runway
- Additional purchase of MC equipment (such as dozers and graders) and expansion of their applied project sites (Saemangeum-Jeonju, Arte Xi etc.)
- Strengthen competitiveness in winning orders by using the software in MC cost analysis and bidding design

Creating a virtual project site with a 360-degree camera

The images of project sites captured with 360-degree cameras are automatically combined into 360-degree images connected to each location along with capturing routes. By matching the images with drawing, we can create virtual tour routes. We can compare the images with BIM models by location and construction phase from any locations. If necessary, we can manage construction status and quality using check lists.

- 16 housing projects including 3rd Ilsan Xi, Seocho Grand Xi, and Gwancheon Xi → implemented by Construction Precon Team
 - South Korean infrastructure project sites including Sections 1 & 3 of Seoul-Musan Expressway and Changwon Bypass Road → implemented by Technology Division
 - Applied to 21 project sites of housing, home, and infrastructure construction
- Possible to be applied to overseas project sites such as the N101 section of the North-South Corridor in Singapore
→ Promote to introduce the virtual tour system to TPMS by cooperating with Construction Division (Construction Precon Team)

Plant

**GS E&C is
a deep root
sustaining the world**

GS E&C has grown into the nation's top plant construction company recognized by the world both nominally and virtually in the EPC sector of oil refining/gas and petrochemical industries. Our engineering and technical skills have been accumulated over many years.

We are continually achieving growth by making diverse efforts to enhance the network and to diversify business in major overseas areas while attempting to proactively advance into future business sectors by enhancing competence in the gas and LNG Liquefaction businesses.



Petrochemical

Diverse experience of GS E&C has made it possible to establish GS petrochemical plants all over the world.

GS E&C has successfully carried out numerous petrochemical projects such as Ethylene, PP, Phenol/BPA, OCU and LG petrochemical in the Korea market as well as Lidong Aromatics, Thai ATC Aromatics, and HMC PP in the Asia market. Having demonstrated a wealth of experience in petrochemical plant construction GS E&C was awarded the 1.26 billion dollar Sohar Aromatics contract in Oman, the largest project within Oman in 2006. Successful completion of the project was made in 2010 with an impressive 1.8 million accident-free man hours. GS E&C looks to expand its business areas in to the Mideast Asia, Central and South America, CIS and Africa. Winning the Egyptian LAB project(E-Lab) has been a trigger point towards this goal.



001P **E-LAB**
Location: Alexandria, Egypt
- Linear Alkyl Benzene 100,000 MTPY
Project period: 2006. 02 ~ 2008. 07



002P **Lidong Aromatics**

Location: Lidong, China
- P-xylene 700,000 MTPY
- Benzene 240,000 MTPY
- Toluene 160,000 MTPY
Project period: 2004. 06 ~ 2006. 07

003P **Salalah Methanol**

Location: Salalah, Oman
- Methanol 1,000,000 tons/year
Project period: 2007. 07 ~ 2010. 04



004P **Rabigh CP3/4**

Location: Rabigh, Saudi Arabia
- Ethylene Propylene Rubber (75KMTA)
- Thermo Plastic Olefin (15 KMTA)
- LDPE/EVA (150 KMTA), PMMA (50 KMTA)
- MTBE/Isobutylene (238/77 KMTA)
- Metathesis (280 KMTA), MMA (86 KMTA)
Project period: 2012. 06 ~ 2017. 05



005P **Rabigh U01**

Location: Rabigh, Saudi Arabia
- Interconnecting & Utility / Offsite
Project period: 2012. 06 ~ 2017. 01



006P **HMC PP**
Location: Map Ta Phut, Thailand
- Polypropylene 300,000 MTPY
Project period: 2007. 07 ~ 2009. 11



007P **QP LAB**
Location: Mesaieed, Qatar
- Paraffin 80,000 MTPY
- LAB 100,000 MTPY
Project period: 2004. 01 ~ 2006. 04

008P **ATC No.2 Aromatics**
Location: Map Ta Phut, Thailand
- Para Xylene 565,000 MTPY
- Benzene 301,000 MTPY
- Toluene 60,000 MTPY
Project period: 2005. 08 ~ 2008. 10

Oil & Gas

Our ongoing efforts in the Oil & Gas Plant field were finally crowned with successful penetration into the world market, earning a world-class reputation all over the globe.

GS E&C was able to accumulate extensive knowledge in the upgrading of internal facilities with the execution of the GS-Caltex RFCC project in the early 2000s and the No. 2 ~ 3 HOU since the mid-2000s. This Corporation has not only strengthened fundamental skills in the oil sector, but has also branched out into the gas sector with the LNG Terminal in Tongyoung, Incheon, and Pyeongtaek, Korea.

GS E&C has built up its overseas experience in Azerbaijan/Thailand/Qatar from the early 1990s, and showed impressive execution, a reliable corporation image and the capability to manage large scale projects such as SP 9 ~ 10 in Iran, Green Diesel in UAE, PTT LNG in Thailand, and Manifa in Saudi.

GS E&C was awarded 2.18 Billion USD contract in 2009 to build natural gas separation facilities in the UAE, which is called the GASCO 4th NGL, and completed successfully in 2014.

Our confidence and effective strategies in carrying out large-scale gas projects and the bright prospects seen in our emergence into the gas sector are the by product of our outstanding record.

009P Azerpetrochim CDU / VDU

Location: Baku, Azerbaijan
- CDU 45,000 BPS
- VDU 28,000 BPSD
Project period: 1991. 10 ~ 1994. 04

010P Laffan Refinery

Location: Ras Laffan, Qatar
- Condensate Refinery 146,000 BPSD
Project period: 2005. 05 ~ 2008. 12



011P Black Gold Project

Location: Alberta, Canada
- Wellpad x 2
- Infrastructure / Utility
- SAGD type, Bitumen 10,000 BPD (Phase 1)
Project period: 2010. 08 ~ 2014. 06

012P Cilacap RFCC Project

Location: Java Island, Indonesia
- 62,000 BPSD RFCC
Project period: 2011. 09 ~ 2015. 12

013P



016P **WARA**

Location: Burgan Oil Field, Kuwait
 - Enhanced Oil Recovery
 (Effluent Water Treatment and Injection Pipeline)
 - 667,000 BWPD & Pipeline (500km)
 Project period: 2011. 09 ~ 2017. 03

017P **Kirikkale DHP-CCR**

Location: Kirikkale, Turkey
 - CCR 22,650 BPSD
 - DHP 28,000 BPSD
 Project period: 2005. 01 ~ 2007. 07

018P **No.3 Heavy Oil Upgrade**

Location: Yeosu, Korea
 - VR HCR 60,000 BPSD
 - VGO FCC 53,000 BPSD
 - HMP 110 MMSCFD
 - SRU 450 tons/day
 Project period: 2008. 02 ~ 2010. 08

016P



017P



018P



014P



015P



013P **POGC South Pars Gas Field Development Phase 9&10**

Location: Assaluyeh, Iran
 - Gas Facilities 2,000 MMSCFD (500 × 4 Trains)
 Project period: 2003. 03 ~ 2010. 03

014P **Ruwais Refinery Expansion Project (Package 2 & 7)**

Location: Ruwais, UAE
 - RFCC & Associated Refining Units /
 127,200 BPSD (RFCC Criteria)
 - Jetty (4,400m), Berths (3ea, 880m),
 Main Export Pipeline (27 units)
 Project period: 2009. 12 ~ 2014. 12

015P **UHV**

Location: Rayong, Thailand
 - Sulfur Recovery Unit & RFCC
 - ARDS 25,000 BPSD
 - DCC 29,773 BPSD & SRU / PRU
 Project period: 2012. 10 ~ 2017. 01



019P

019P 4th NGL Project

Location: Ruwais, UAE

- C3, C4, C5+ TREATMENT
- SRU 30 T/D
- UTILITIES & OFFSITES
- NGL FRACTIONATION 27,000 TPD
- ETHANE (C2) 4,761 TPD
- PROPANE (C3) 7,857 TPD
- BUTANE (C4) 9,362 TPD
- PARAFFINIC NAPHTHA (C5) 5,546 TPD
- CONDENSATE RETURN 6,712 TPD

Project period: 2009. 07 ~ 2014. 12



020P

020P UAE Green Diesel

Location: Ruwais, UAE

- VACUUM UNIT 35,000
- HYDROCRACKER 41,000
- GAS OIL HYDROTREATER 44,000

Project period: 2008. 01 ~ 2011. 11



021P

021P Manifa Gas Facilities Project

Location: Khursaniyah, Saudi Arabia

- Gas Inlet Facilities, Gas Processing: 90 MMSCFD
- Condensate Stripping: 66,400 BPSD
- SRU: 900 TPD × 2

Project period: 2008. 08 ~ 2011. 10



022P **Rumaitha Shanayel Facilities Phase III**

Location: Abu Dhabi, UAE
- Oil Production Expansion: 46,000 → 85,000 BPSD
- Central Processing Facilities
- 16 New Clusters & 78 Wells Tie-Ins
Project Period: 2014. 04 ~ 2017. 12 (RFC Criteria)



023P **PTT LNG**

Location: Map Ta Phut, Thailand
5MTA LNG Regasification Terminal
- 160,000KL Above Ground LNG Tank × 2
- LNG Unloading Jetty For LNG Carrier (125,000 ~ 265,000KL)
- 5MTA Vaporizing Process
Project period: 2008. 02 ~ 2011. 06



024P **NSRP**

Location: Nghi Son Economic Zone, Tihh Gia, Thanh Hoa, Vietnam
- 200,000 BPSD RFCC
Project period: 2013. 07 ~ 2017. 02

025P **North LPG Tank Farm**

Mina Al-Ahmadi, Kuwait
- Propane(5 Nos.) / Butane(5 Nos.) Tank(72,500m3 X 10 Nos.)
- Utilities & Offsites
- Boil Off Gas & Ship Loading System
- Propane (10") / Butane (28") Line for Ship Loading
Project period: 2011. 04 ~ 2018. 01



Waste Treatment & Recycling

The harmonization of state-of-the-art technology with the bounty of Nature

GS E&C is the best construction performer in Korea in the area of waste burning disposal facilities and this is demonstrated by the construction of the Mapo Recycling facilities, the Masan city Resource Recovery Facilities, and the Cheongju area incineration facilities.

In the area of industrial wastes incineration, our company's advanced technologies were recognized in the successful completion of waste burning facilities project at the LG Philips LCD factory.

In this way, GS E&C is securing differentiated competitiveness in the waste disposal and recycling sectors as seen in our roles at the Jungrang Sewage Sludge Treatment Facilities, Capital Area Landfill No. 1 Stabilization Construction, Food Wastes Resource Facilities in Namdong-gu in Incheon and the Capital Area Home Appliances Recycling Center.



026P **Jecheon Municipal Solid Waste Treatment Plant**

Location: Jecheon, Korea
 - Incineration plant: 50 ton/day
 - Stoker type
 Project period: 2006. 03 ~ 2008. 08

027P **Chungju Municipal Solid Waste Treatment Plant**

Location: Chungju, Korea
 - Incineration plant: 100 ton/day
 - Stoker type
 Project period: 2007. 11 ~ 2010. 08

028P **Modernization Project of Integrated Environment Infrastructure with development of Park in Hanam-si**

Location: Hanam-si, Korea
 - STP: 32,000 m³/d, Sludge Drying Facility : 60 t/d
 - Sewage Pumping Station: 110,000 m³/d
 - Inlet Pipeline: 1.34km, Discharge Pipeline : 1.04km
 - Waste Incineration Facility: 48 t/d, Food Waste Treatment Facility : 80 t/d
 - Material Recovery Facility from MSW: 50 t/d, Compression Facility : 60 t/d
 Project period: 2011. 09 ~ 2015. 06



029P **Daegu Metropolitan Waste to Energy Center
Private Investment Project**

Location: Daegu, Korea
- SRF Facility (800 t/d), Cogeneration Facility with SRF
(Cogeneration Facility-380 t/d, 3MW × 1EA)
- Administration Bldg, Security/Weighbridge Bldg, Maintenance Bldg,
Cleaning Bldg and Stack (H: 105m)
Project period: 2013. 12 ~ 2016. 06



030P **Geongsangbuk-do Province
Environmental Energy Complex**

Location: Andong, Korea
- Incineration plant: 390 ton/day
- Stoker type
- Biogas Plant : 120 ton/day
- Anaerobic Digestion Type
Project period: 2016. 03 ~ 2019. 10



031P **Jeju Environmental Resource
Circulation Center**

Location: Jeju, Korea
- Incineration plant: 500 ton/day
- Stoker type
Project period: 2016. 07 ~ 2019. 11

032P



033P



032P Mapo Municipal Solid Waste Treatment Plant

Location: Seoul, Korea
- Incineration plant: 250 ton/day × 3 units
- Stoker type
Project period: 2001. 11 ~ 2005. 04

033P Gumi Municipal Solid Waste Treatment Plant

Location: Gumi, Korea
- Incineration plant: 200 ton/day
- Stoker type
Project period: 2008. 07 ~ 2011. 04

034P



034P Masan Municipal Solid Waste Treatment Plant

Location: Masan, Korea
- Incineration plant: 200 ton/day
- Stoker type
Project period: 2006. 09 ~ 2009. 09

036P



036P Hwaseong Municipal Solid Waste Treatment Plant

Location: Hwaseong, Korea
- Capacity: 200 ton/day
- Pyrolysis melting type
Project period: 2007. 04 ~ 2011. 08

035P



035P Cheongju Municipal Solid Waste Treatment Plant

Location: Cheongju, Korea
- Incineration plant: 200 ton/day
- Stoker type
Project period: 2006. 09 ~ 2009. 03

037P



037P Eunpyung MSW Management System

Location: Seoul, Korea
- Capacity: 48 ton/day, Pyrolysis melting type
- MSW Automation Collecting pipe: 29.1 km
Project period: 2006. 10 ~ 2009. 10

Water Treatment & Seawater Desalination

GS with Technology that Safeguards Nature and People

With its advanced technology and diverse work experiences, GS E&C leads the Korean market for sewage treatment and wastewater treatment.

The company now expands its area of operation into facility upgrade and advanced treatment as instanced in Osan Sewage Treatment Facility, Jeonju Advanced Sewage Treatment Facility, and Jungang Water Regeneration Center Advanced Treatment Facility.

Also, the company cuts a figure in optimized design and construction of environmental facilities such as water treatment facilities related to LG Philips LCD plant.

Furthermore, by acquiring GS Inima, the world's first seawater desalinization company, GS E&C now basks in great customer trust and affection as a global player in water treatment by expanding its business operation in SWRO/BWRO and advancing overseas to handle BAPCO wastewater treatment facility in Bahrain and Azzour water transmission facilities in Huwait.



038P Jeju Advanced Sewage treatment plant

Location: Jeju, Korea
- Advanced Sewage Treatment: 130,000m³/day
- CNR Process
Project period: 2006. 09 ~ 2009. 05

039P BAPCO Wastewater Treatment Plant

Location: BAPCO Refinery Plant Area, Bahrain
- MBR process applied, 24,000m³/d WWTP
- Dismantlement of existing Sulfur Pelletizing Plant and its access road
Project period: 2010. 09 ~ 2015. 06

040P Jungang Advanced Sewage treatment plant

Location: Seoul, Korea
- Advanced Sewage Treatment: 880,000m³/day
Project period: 2009. 02 ~ 2014. 01

041P Osan Sewage Treatment Plant(Unit #2)

Location: Osan, Korea
- Sewage Treatment: 64,000m³/day
- B3 Process
- Sewage Recycling pump: 52,000m³/day
Project period: 2005. 08 ~ 2009. 08



042P



042P Namyangju Sewage Treatment Plant

Location: Namyanju, Korea
- Sewage Treatment: 28,000m³/day
- A2O+MBR
Project Period: 2013. 09 ~ 2018. 06

045P Gumi Reuse of Treated Sewage Plant (BTO)

Location: Chilgok, Korea
- Reuse of treated Sewage: 90,000m³/day
- Sedimentation + MF + RO
Project Period: 2016. 04 ~ 2018. 10



045P

046P Paju Wastewater Treatment Plant(Phase3-2)

Location: Paju, Korea
- Sewage Treatment: 45,000m³/day (MBR Process)
Project period: 2016. 05 ~ 2017. 10



046P

047P Ilsan Advanced Sewage treatment plant

Location: Goyang, Korea
- Advanced Sewage Treatment: 270,000m³/day
- MLEProcess
Project period: 2006. 12 ~ 2009. 12

043P



043P LG.Philips LCD P7 (Environmental facility)

Location: Paju, Korea
- Wastewater Treatment: 51,000m³/day
- Wastewater Recycling: 18,000m³/day
- Water Treatment: 40,000m³/day
- Deionization System: 2,400m³/hr
Project period: 2004. 03 ~ 2006. 10

044P



044P Busan Nambu Public Sewage Treatment Plant

Location: Busan, Korea
- Sewage Treatment: 65,000m³/day (MBR Process)
- Advanced Sewage Treatment: 275,000m³/day (MLE Process)
Project period: 2013. 05 ~ 2017. 05

047P





048P **Ribeiro Preto Wastewater Treatment Plant**

Location : So Paulo, Brazil
- 150,000 m³/d WWTP



049P

049P **Los Cabos Desalination Plant**

Location : Cape San Lucas, Baja California, Mexico
- 20,736m³/d SWRO Desalination Plant



050P

050P **Vigo Wastewater Treatment Plant**

Location : Vigo, Spain
- 230,668m³/d WWTP



051P

051P **Mostaganen Desalination Plant**

Location : Mostaganen, Algeria
- 200,000m³/d SWRO Desalination Plant

Architecture

**GS E&C's urban
aesthetics** is changing
landscapes around the world

The construction of a building is not merely the creation of a structure but the creation of a new history. GS E&C has created a beautiful and practical base of life and will make history with new constructions that balance high-tech function and formative art.



IFC Seoul

• Location: Seoul, Korea • Total floor area 509,524m² • B7 ~ 55F • Project period: 2008. 01 ~ 2011. 12

Office Building

True landmarks that change the skyline of a city

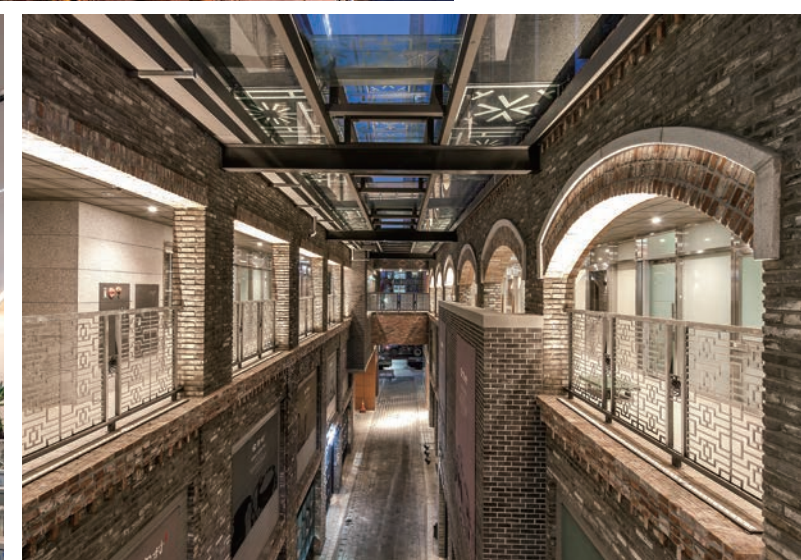
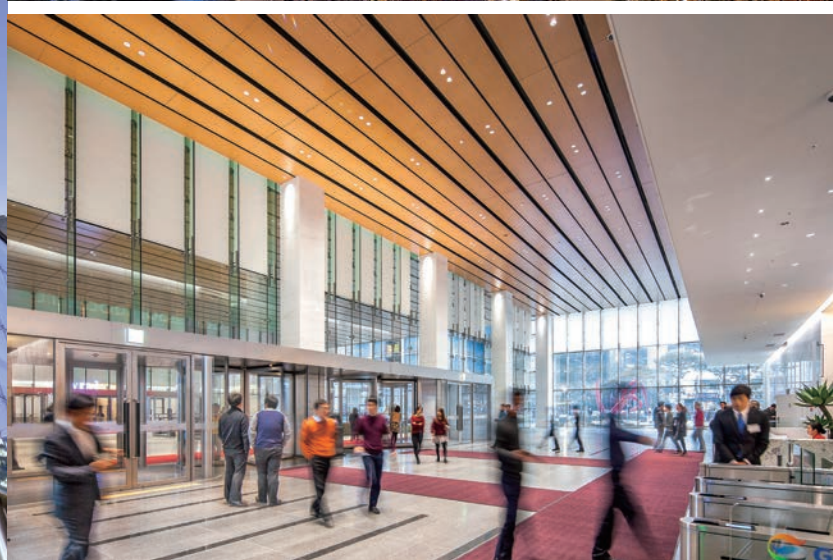
The office buildings constructed by GS E&C are not mere facilities for work but landmarks comprising the image of a city. They also show the character and competitiveness of the tenant companies. With our refined technology and extensive experience, GS E&C is building high-tech intelligent buildings equipped with convenient functional aesthetics, differentiated designs and superior construction. World-class office buildings such as the GS Tower, COEX Convention Center, ASEM Tower and Seoul Central Post Office have become representative landmarks in Seoul. Internationally, we have built the LG Beijing Tower which reveals the superior technological powers of GS E&C to the world. Currently GS E&C is focusing our capabilities on the construction of high-tech buildings that integrate state-of-the-art technologies with businesses by reinforcing our abilities for the planning, constructing and engineering of modern high-rises.

001A Parnas Tower

Location: Seoul, Korea
- Total floor Area: 218,490m²
- B8 ~ 38F
Project Period: 2011. 12 ~ 2016. 07

002A Ferrum Tower

Location: Seoul, Korea
- Total floor area 55,692m²
- B6 ~ 28F
Project period: 2008. 05 ~ 2010. 08



003A Gran Seoul

Location: Seoul, Korea
- Total floor area 175,536m²
- B7 ~ 24F (105m)
Project period: 2011. 04 ~ 2014. 03



004A Seoul Central Post Office

Location: Seoul, Korea
 - Total floor area 72,506m²
 - B7 ~ 21F
 Project period: 2003. 07 ~ 2007. 08



006A



005A GS Tower

Location: Seoul, Korea
 - Total floor area 141,552m²
 - B6 ~ 38F
 Project period: 1994. 12 ~ 1999. 08

006A Jeollanamdo Provincial Government

Location: Muan, Korea
 - Total floor area 79,305m²
 - B2 ~ 23F
 Project period: 2001. 12 ~ 2005. 11

007A



007A Gwangmyeong Station Xi Tower

Location: Gwangmyeong, Korea
 - Total floor area 119,835.79m²
 - B2 ~ 25F
 Project period: 2017. 05 ~ 2019. 08

008A LG Beijing Tower

Location: Beijing, China
 - Total floor area 151,346m²
 - B4 ~ 30F
 Project period: 2002. 08 ~ 2005. 08

008A



009A



009A Fusionopolis 2A - Tower A&B Fusionopolis 2A - Tower C

Location: Fusionopolis, Singapore
 - Total floor area 84,215m², B3 ~ 18F(Tower A&B)
 - Total floor area 19,418m², B2 ~ 5F(Tower C)
 Project period: 2011. 11 ~ 2014. 03 (AB)
 2011. 12 ~ 2015. 02 (C)

010A



010A LG Twin Tower

Location: Seoul, Korea
 - Total floor area 157,835m²
 - B3 ~ 34F
 Project period: 1983. 06 ~ 1987. 06

Education, Research & Hospitals

Function and aesthetics come alive
in the spaces we create

GS E&C possesses extensive experience and excellent technological power in educational, research and hospital facilities that pursue functional space and aesthetic space at one and the same time. For the construction of educational facilities that need to be designed and constructed with an understanding of geography, culture and academic needs, high-tech research facilities where various technical researches are carried out, and hospital facilities where optimal traffic lines per space and multipurpose option skills are required. GS E&C combines convenient functions and aesthetics with excellence in technological prowess to maximize customer satisfaction.



011A Data Center GAK

Location: Chuncheon, Korea
- Total floor Area: 47,439m²
- B3 ~ 3F
Project Period: 2012. 02 ~ 2013. 06

012A GS Namchon Leadership Center

Location: Seoul, Korea
- Total floor area 6,956m²
- B3 ~ 5F
Project period: 2005. 10 ~ 2006. 09



013A LG Electronics Seocho R&D Campus

Location: Seoul, Korea
- Total floor area 125,070m²
- B5 ~ 25F
Project period: 2006. 02 ~ 2009. 02

014A LG Electronics Incheon Campus

Location: Incheon, Korea
- Total floor Area: 102,502m²
- B1 ~ 7F
Project Period: 2011. 11 ~ 2013. 04



015A Hana Financial Group IDC

Location: Incheon, Korea
- Total floor Area: 65,709m²
- B1 ~ 16F
Project Period: 2015. 06 ~ 2017. 05

016A



016A LG Science Park

Location: Seoul, Korea
- Total floor area 236,772m²
- B3 ~ 9F
Project period: 2015. 05 ~ 2018. 06

017A



017A Ng Teng Fong Hospital

Location: Jurong, Singapore
- Total floor area 230,380m²
- Regional Hospital (8 ~ 16F, 700 beds)
- Community Hospital (12F, 400 beds)
- Specialist Outpatient Clinics (8F)
Project period: 2012. 06 ~ 2015. 02

019A



**018A Dongguk University
Ilsan Hospital**

Location: Goyang, Korea
- Total floor area 92,276m²
- B2 ~ 12F
Project period: 1999. 11 ~ 2002. 09

**019A LIG Insurance Sacheon
HRD Center**

Location: Sacheon, Korea
- Total floor area 48,947m²
- B2 ~ 5F
Project period: 2007. 11 ~ 2011. 05

020A Daejeon Eulji Medical Center

Location: Daejeon, Korea
- Total floor area 91,741m²
- B3 ~ 16F
Project period: 2001. 04 ~ 2004. 02

**021A Changwon Gyeongsang
National University Hospital**

Location: Changwon, Korea
- Total floor Area: 109,674m²
- B3 ~ 13F
Project Period: 2012. 12 ~ 2016. 03

022A NCSOFT

Location: Seongnam, Korea
- Total floor Area: 88,969m²
- B5 ~ 12F
Project Period: 2010. 10 ~ 2013. 07

020A



021A



022A



Culture, Leisure & Sports

A beautiful space upgrading quality of life

GS E&C has applied its differentiated technological power in our numerous achievements in the construction of composite facilities that combine culture, leisure and sports. We provide cultural facilities, luxury hotels, leisure facilities and sports complexes that can accommodate cultural and artistic events. GS E&C has built facilities of living culture located in the local governments of Changwon, Masan, Wonju, and Jinju, Korea. Time Square was created as the landmark of Yongdeungpo. The LG Art Center was lauded for its ideal arrangement of seating and stage, and the main stadium of Imam University in Saudi Arabia stand as sterling examples.



023A LG Art center

Location: Seoul, Korea
- Total floor area 18,713m²
- 9F
Project period: 1994. 12 ~ 1999. 08



024A Gimhae Arts & Sports Center

Location: Gimhae, Korea
- Total floor area 43,750m²
- B2 ~ 7F
Project period: 2001. 11 ~ 2005. 11



025A KEPCO Art Center

Location: Seoul, Korea
- Total floor area 70,602m²
- B1 ~ 17F
Project period: 1996. 09 ~ 2001. 04



026A **COEX Convention Center & ASEM Tower**

Location: Seoul, Korea
- Total floor area 554,631 m²
- B4 ~ 41F
Project period: 1997. 03 ~ 1999. 12

027A **Health Center & Sports Area in Imam University**

Location: Riyadh, Saudi Arabia
- Total floor area 136,110m²
- Main stadium / Gymnasium
Project period: 1984. 05 ~ 1997. 06



028A **3.15 Art Center**

Location: Masan, Korea
- Total floor area 19,812m²
- B1 ~ 3F
Project period: 2005. 06 ~ 2008. 03



029A **National Museum of Korea**

Location: Seoul, Korea
- Total floor area 134,560m²
- B1 ~ 6F
Project period: 1997. 10 ~ 2004. 02



Clean Rooms & Manufacturing Facilities

State-of-the-art technology to improve company productivity

GS E&C has unparalleled technological capability in special production facilities such as LCD, PDP, semi-conductors and pharmaceuticals. We also have the best technological power and performance in the industry in the construction of clean rooms. Clean rooms are core technology for factories producing super-precision products. GS E&C build Industrial as well as Biological Clean Rooms essential to the production of pharmaceutical products. The company is now expanding its business areas at home and abroad through the successful implementation of large scale projects including the display production lines at the LG Display industrial complex, the factories of secondary battery and polarizing plates, and the production facilities of the GMP factories of pharmaceutical companies.



030A



031A



032A

032A **LG Display Guangzhou (P10A FAB)**

Location: Guangzhou, China
 - Total floor area 422,228m²
 - CR 5F / MR 9F
 Project period: 2017. 07 ~ 2019. 08



033A

033A **LG display Paju LCD Cluster (P7, P8)**

Location: Paju, Korea
 P7 - Total floor area 668,547m² / B2 ~ 7F
 P8 - Total floor area 519,126m² / B4 ~ 9F
 Project period: 2004. 03 ~ 2008. 08

030A **Yuhan Pharmaceutical Corp. Ochang Factory**

Location: Ochang, Korea
 - Total floor area 54,420m²
 - B1 ~ 4F
 Project period: 2004. 02 ~ 2006. 02

031A **PLS Pyeongtaek PDI Logistics Center**

Location: Pyeongtaek, Korea
 - Total floor area 20,895m²
 Project period: 2010. 09 ~ 2011. 05

Commercial Facility

The magic of architecture can increase the value of the building

GS E&C is leading logistics and remodeling sectors with superior specialty manpower, excellent planning ability, innovative design, perfect construction work and thorough maintenance and services. GS E&C has successfully completed Block A of the Southeastern Distribution Complex; the largest distribution complex in Korea, and many other large logistic facilities. In addition, the company has extensive experience in remodeling projects including the Samcheonggak, Yongsan Electronics Land and the Export-Import bank of Korea. GS E&C is doing its utmost to maximize customer values by establishing a total solution system that covers the entire life cycle of a building including construction, structural diagnostics and post management.



034A AEON MALL BSD CITY

Location: Banten, Indonesia
 - Total floor Area: 177,409m²
 - 1F ~ 4F
 Project Period: 2013. 09 ~ 2015. 05

035A Times Square

Location: Seoul, Korea
 - Total floor area 308,597m²
 - B5 ~ 20F
 Project period: 2006. 06 ~ 2009. 05

036A Garden 5 Life

Location: Seoul, Korea
 - Total floor area 426,743m²
 - B5 ~ 11F
 Project period: 2006. 10 ~ 2009. 03

Apartments

High class apartment complexes that take the lead in high-quality residential culture.

GS E&C began to construct apartments nationwide in the 1970s, and we are the leader of the housing industry and residential culture in Korea. 2002, the company undertook a new challenge to become the No. 1 Construction developer in the housing market by introducing a new brand 'Xi'. Xi has become the brand name for the best luxury apartments in Korea and by releasing our best technical skills in the business agency we are providing a higher level of living space. These are the spaces to be envied by all and reflect our fundamental philosophy of grasping customer trends in advance to create a new and better lifestyle. Also, this corporation is leading the housing culture of the next generation by materializing its high-tech energy conservation technologies through Green Smart Xi, an environment-friendly, energy-saving housing design. We have received the most awards in both from national and international in the business world in sectors such as brand competence, customer satisfaction and service from many external organizations including JMAC, JMAM and are winning recognition for our high brand power. GS E&C has supplied apartments to all major cities in Korea including Seoul, Yongin, Suwon, Daejeon, Daegu, Busan and Gwangju and also is showing excellent performance in the reconstruction and redevelopment field. GS E&C will continue to create the residential culture of the future and foster the most desired apartment brand through endless technical innovation and R&D.



"Xi", the top class apartment brand in Korea | Symbolizing 'special intellect' as an abbreviation for eXtra Intelligent, Xi symbolizes top quality apartments for the most discerning customer. Xi is a value oriented high class space created in consideration of its residential values and sensibility. It is a space that goes beyond the simple concept of what a residence should be. GS E&C is providing new space concepts and creating new value that encompasses aesthetic appreciation, culture and ultramodern design. We always consider our customer as special and worthy of consideration and the utmost in service. We are leading high class residential culture by providing a luxurious lifestyle and a higher level of cultural experience.

037A BanPo Xi
Location: Seoul, Korea
- Housing units: 3,410
Project period: 2006. 04 ~ 2009. 01



038A Gyeonghui Palace Xi

Location: Seoul, Korea

- Housing units: 2,533

Project period: 2014. 10 ~ 2017. 06



039A Ilsan Xi

Location: Goyang, Korea

- Housing units: 4,683

Project period: 2008. 01 ~ 2010. 09

040_A



041_A



042_A



040_A **WiRye Xi**

Location: Seongnam, Korea
- Housing units: 517
Project period: 2014. 10 ~ 2016. 10

041_A **GongDeok Xi**

Location: Seoul, Korea
- Housing units: 1,164
Project period: 2012. 10 ~ 2015. 04

042_A **Haeundae Xi**

Location: Busan, Korea
- Housing units: 1,059
Project period: 2010. 11 ~ 2013. 02

043_A



044_A



045_A



043_A **CheongDam Xi**

Location: Seoul, Korea
- Housing units: 708
Project period: 2009. 04 ~ 2011. 10

044_A **Hangang Bamsun Xi**

Location: Seoul, Korea
- Housing units: 488
Project period: 2007. 09 ~ 2010. 02

045_A **Misa Gangbyeon Central Xi**

Location: Hanam, Korea
- Housing units: 1,222
Project period: 2014. 10 ~ 2017. 02

046A



046A Gwangmyeong Station Park Xi

Location: Gwangmyeong, Korea
- Housing units: 875
Project period: 1st(2014. 10 ~ 2017. 07)
2nd(2015. 12 ~ 2018. 12)

048A



048A Gran City Xi

Location: Ansan, Korea
- Housing units: 4,283
Project period: 2016. 10 ~ 2020. 02

047A



047A Seoul Station Central Xi

Location: Seoul, Korea
- Housing units: 1,341
Project period: 2014. 06 ~ 2017. 08

049A



049A Hangang Central Xi

Location: Gimpo, Korea
- Housing units: 4,079
Project period: 1st (2014. 05 ~ 2017. 01)
2nd (2015. 03 ~ 2017. 05)



050A **New Banpo Central Xi**
Location: Seoul, Korea
- Housing units: 607
Project period: 2015. 12 ~ 2018. 07

051A **Dongcheon Xi**
Location: Yongin, Korea
- Housing units: 1,437
Project period: 2016. 01 ~ 2018. 08

052A **Seoulforest River View Xi**
Location: Seoul, Korea
- Housing units: 1,034
Project period: 2015. 11 ~ 2018. 06

053A **Eunpyeong Sky View Xi**
Location: Seoul, Korea
- Housing units: 361
Project period: 2016. 03 ~ 2019. 01



051A



052A



053A

054A



055A



056A



054A Pyeongtaek Central Xi 1-2-3

Location: Pyeongtaek, Korea
 - Housing units: 5,705
 - 1st: 1,849
 - 2nd: 1,459
 - 3rd: 2,324
 Project period: 1st (2015. 07 ~ 2017. 12)
 2nd (2016. 01 ~ 2018. 08)
 3rd (2016. 07 ~ 2019. 01)

055A Spring County Xi

Location: Yongin, Korea
 - Housing units: 1,345
 Project period: 2016. 11 ~ 2019. 10

056A KINTEX One City

Location: Goyang, Korea
 - Housing units: 2,208
 Project period: 2016. 04 ~ 2019. 08

057A



058A



057A Eco City Xi 1-2

Location: Jeonju, Korea
 - Housing units: 1,130
 - 1st: 640
 - 2nd: 490
 Project period: 1st (2015. 12 ~ 2017. 11)
 2nd (2016. 11 ~ 2018. 10)

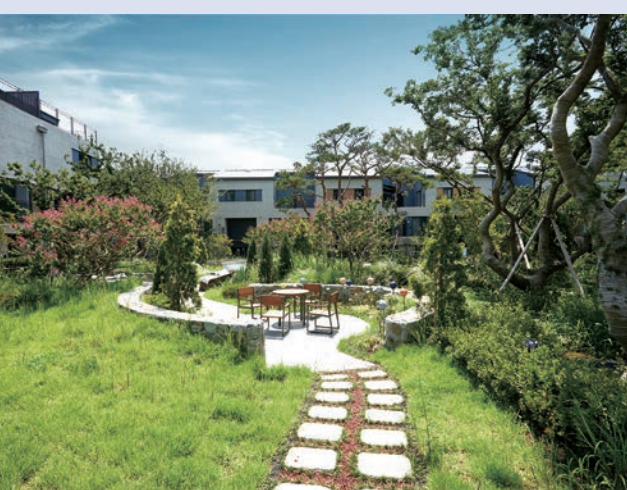
058A Daegu Station Central Xi

Location: Daegu, Korea
 - Housing units: 1,245
 Project period: 2015. 01 ~ 2017. 10

059A



060A



059A Xi the Village

Location: Gimpo, Korea
- Housing units: 525
Project period: 2017. 01 ~ 2018. 06

060A Dongtan Lake Xi the Terrace

Location: Hwaseong, Korea
- Housing units: 483
Project period: 2016. 10 ~ 2018. 04

Residential Complexes & Studio Apartments

A high class residential space
that contains new added value

GS E&C is basking in the limelight in the residential complex & apartment sectors. We have carried out such landmark projects like Yongsan Park Xi in Seoul, Yeouido Xi and Seocho Art Xi which are amazing residential complexes. We build studio apartments in both high traffic areas and business centers in Seoul Hangangno, Yeouido, Seonreung, Seocho the Gyeonggi Bundang, and the Incheon Airport, and our studio apartments are achieving recognition as the for best value on the market.

GS E&C will continue to expand into commercial-residential complexes and studio apartments by securing capabilities for the construction of high-rise buildings.

061A Boutique Monaco

Location: Seoul, Korea
- Housing units: 172
Project period: 2005. 05 ~ 2008. 07

062A Sin-chon Xi ella

Location: Seoul, Korea
- Housing units: 247
Project period: 2012. 04 ~ 2014. 12



063A Mecenatpolis

Location: Seoul, Korea
- Housing units: 617
Project period: 2008. 07 ~ 2012. 06

064A Marine City Xi

Location: Busan, Korea
- Housing units: 258
Project period: 2016. 04 ~ 2019. 10

065A The City Seven Xi

Location: Changwon, Korea
- Housing units: 1,060
Project period: 2005. 06 ~ 2008. 12

Development

Beyond Korea and onto the world stage

GS E&C is successfully carrying out numerous projects such as urban mixed-use development and new city development not only in Korea but also overseas in Vietnam etc.

We will solidify our goal of becoming a Global Top Tier company through business diversification, continuous implementation of large development businesses both domestically and abroad, and by seeking out and fostering advanced business.

066A



066A GS Metrocity Nha Be

Location: Ho Chi Minh City, Vietnam
 - Site area: 349ha
 - Purpose: New Town(Residential, Commercial, Office, School, Leisure, Hospital)
 Project period: 2010 ~ 2020

067A Mecentapolis

Location: Seoul, Korea
 - Site area : 37,309m²
 - Total floor area : 294,613m²
 - Purpose : Mixed-use Complex(Residential, Commercial, Office, Culture)
 Project period: 2008 ~ 2012

067A



068A



069A



068A GS Metrocity Long Binh(09)

Location: Ho Chi Minh, Vietnam
 - Site area: 92ha
 - Purpose: New Town(Residential, Commercial, School, Culture)
 Project period: 2014 ~ 2020

069A Xi Riverview Palace

Location: Ho Chi Minh, Vietnam
 - Site Area: 17,209m² - Total Floor Area: 73,099m²
 - Purpose: Residential
 Project period: 2008 ~ 2011

Power

**GS E&C is
a fundamental power
moving the world**

GS E&C will be a Global Top Tier company in the area of power plant construction on the basis of our state-of-the-art technology and perfect construction abilities that bring bright light and energy to the world.



Dangjin Coal-Fired Power Plant(Unit 7 & 8)

• Location: Dangjin, Korea • Total 500MW×2 • Project period: 2003. 12 ~ 2007. 12

Combined Cycle/ Coal-Fired/ Nuclear Power Plant Renewable Energy



A leader equipped with real competitiveness

GS E&C has accumulated a wealth of experience knowledge in the construction of electric power plants such as in the successful construction of the combined cycle power plants in Bugok #5 & #6, coal-fired power plants in Taeon #7 & #8, coal-fired power plants in Dangjin #1 & #2, combined cycle power plants in Ilsan #1 & #2, and Shin-Wolsung nuclear power plant. Furthermore, GS E&C is currently constructing new combined cycle power plant in Anyang, coal-fired power plant in Pocheon and Shin-Hanul nuclear power plant. The company has also successfully completed construction of Yerevan CCPP in Armenia, Barka3 & Sohar2 power plants in Oman and is currently constructing PP12 power plants in Saudi Arabia, Kais CCPP in Algeria strengthening its status as a global EPC constructor in the overseas power generator markets.

GS E&C has successfully carried out Yeongheung wind power center, Jeju Kimnyung wind power center and Dangjin Biomass power plant which is the biggest Biomass power plant in Asia enhancing competitiveness in the renewable energy and IPP business.



001P Yeongheung Coal Fired Power Plant (Unit 5 & 6)

Location: Yeongheung, Korea
- Total capacity of 1,740MW
- 870MW x 2 (PC Boiler 2 Units + ST 2 Units)
Project period: 2011. 04 ~ 2014. 12

002P GS EPS LNG Combined Cycle Power Plant(Unit 1)

Location: Bugok, Korea
- Total 550MW
- GasTurbine 180MW x 2
- Steam Turbine 190MW x 1
Project period: 1997. 05 ~ 2001. 04

003P Incheon Combined Cycle Power Plant(Phase #2)

Location: Incheon, Korea
- Total 500MW
- Gas Turbine 160MW x 2
- Steam Turbine 180MW x 1
Project period: 2007. 03 ~ 2009. 06



004P

007P **Barka3 & Sohar2 IPP Project**

Location: Barka & Sohar, Oman
 - Total 1,500MW(750MW×2)
 - Barka 3IPP(750MW)
 - Sohar 2IPP(750MW)
 Project period: 2010. 06 ~ 2013. 03

008P **Taeon Coal Fired Power Plant(Unit 5 & 6)**

Location: Taeon, Korea
 - Total 1,000MW
 - Steam Turbine 500MW×2
 - Boiler 1,690T/H×2
 Project period: 1997. 11 ~ 2002. 09

009P **Dangjin Biomass Power Plant**

Location: Dangjin, Korea
 - Total Capacity of 105MW
 - CFB Boiler 1 Unit + ST 1 Unit
 Project period: 2013. 02 ~ 2015. 07



007P



008P



005P



006P



009P

004P **Andong Combined Cycle Power Plan**

Location: Andong, Korea
 - Total Capacity of 400MW
 - GT (270MW X 1 Unit)
 - ST (130MW X 1 Unit)
 Project period: 2012. 04 ~ 2014. 06

005P **PP-12 Combined Cycle Power Plant**

Location: Riyadh, Saudi Arabia
 - Total Capacity of 2,050MW
 - (GT 4 Units + HRSG 4 Units + ST 1 Unit) x 2 blocks
 Project period: 2012. 05 ~

006P **GS EPS LNG Combined Cycle Power Plant(Unit 2)**

Location: Bugok, Korea
 - Total 550MW
 - GasTurbine180MW×2
 - Steam Turbine190MW×1
 Project period: 2005. 12 ~ 2008. 03



010P **Yerevan Combined Cycle Power Plant**
Location: Yerevan, Armenia
- Total 230MW
- Gas Turbine 167MW×1 - Steam Turbine 63MW×1
Project period: 2007. 12 ~ 2010. 04

011P **Shin-Wolsung Nuclear Power Plant(Unit1 & 2)**

Location: Gyeongju, Korea
- 1,000MW×2
Project period: 2003. 07 ~ 2013. 01



012P **Shin-Hanul Nuclear Power Plant (Unit 1 & 2)**

Location: Uljin, Korea
- 1,400MW×2
Project period: 2010. 04 ~ 2020. 09



013P **Youngheung Wind Power Center**

Location: Incheon, Korea
- Total 20MW
Project period: 2010. 01 ~ 2011. 07



T/L & Substation

Light that creates a bright and heart-warming world

In T&D Business, GS E&C has successfully completed construction projects including transmission lines, substations, railway E&M and communication. We have secured global competence with accumulated knowledge, and this has led to 400kV Power Transmission project in Bangladesh, 380kV IRRQAA Power Transmission line project in Saudi Arabia and 220kV Substation Project in Tanzania. In this way, our company is making our move to emerge as a global top tier company in the overseas power transmission and substation EPC markets as well as the railway E&M sectors at home and abroad.

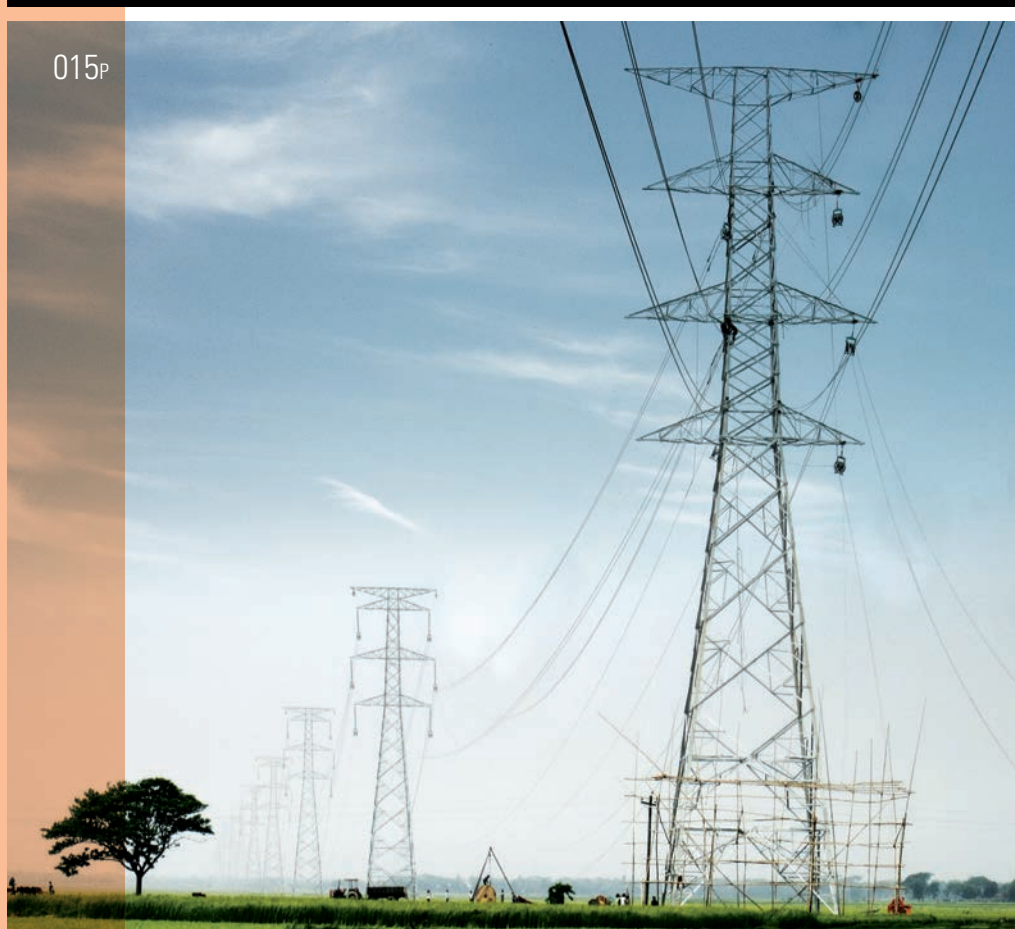
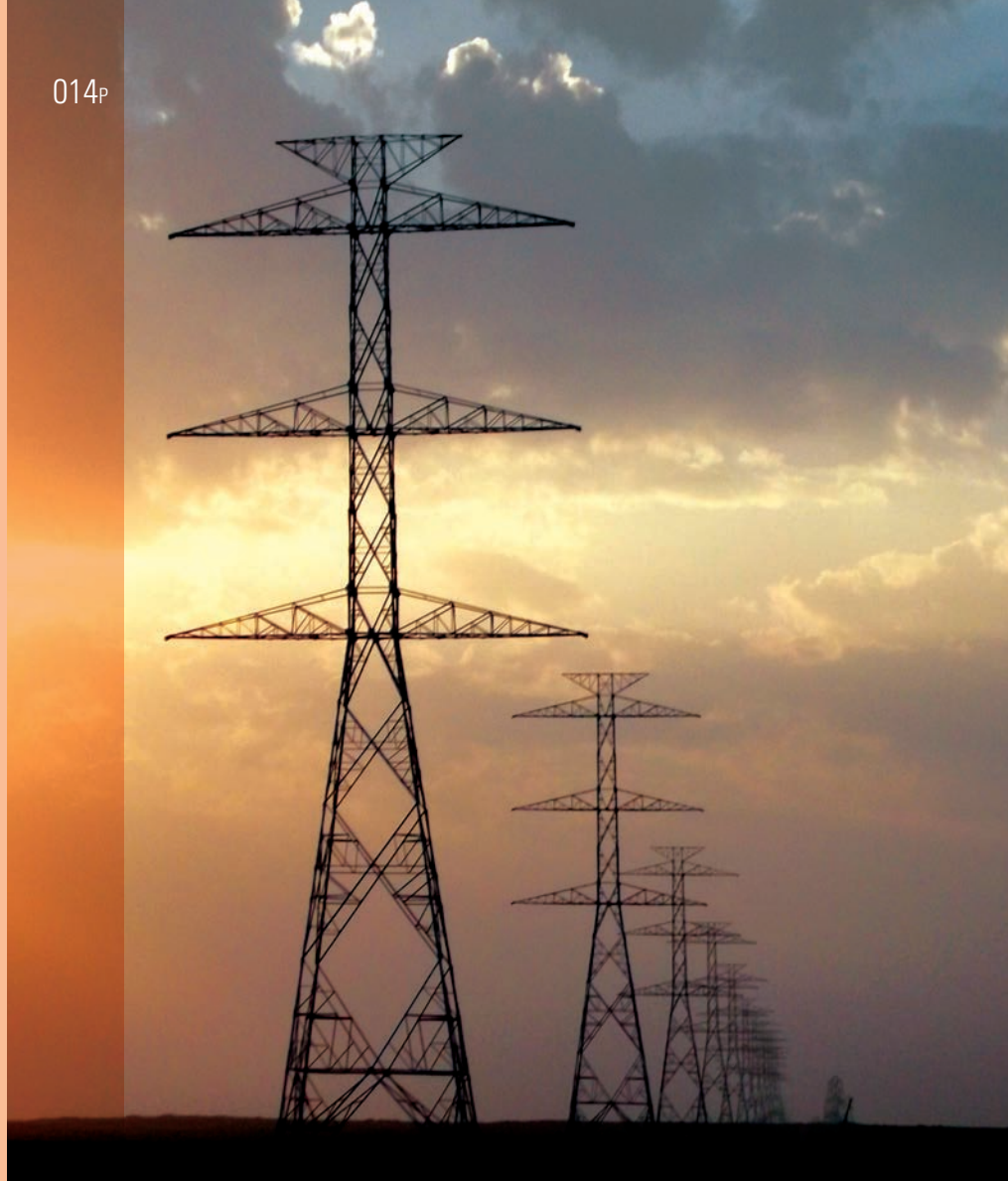
We are also taking the initiative in providing total solutions in the IT sector as a leading company in the ITS and U-City sectors as demonstrated in the belt highway ITS on the outskirts of Seoul, the ITS between Cheonan and Nonsan and U-City in Ilsan.

014P IRRQAA 380kV Transmission Line Project

Location: Riyadh, Saudi Arabia
- Transmission: 380kV 225km
- Steel Tower 621 Set
Project period: 2013. 10 ~ 2015. 11

015P Bibiyana ~ Kaliakoir 400kV Transmission Line Project

Location: Bibiyana~Kaliakoir, Bangladesh
- 400kV Transmission Line 170km(2 Line)
- Steel Tower 410 Set
Project period: 2012. 01 ~ 2015. 07



016P 154kV & 345KV Substation at Paju LCD Complex Project

Location: Paju, Korea
- 345kV GIS Substation
- 154kV GIS Substation
Project period: 2004. 03 ~ 2009. 03

017P 345kV Underground Transmission Line Project

Location: Paju, Korea
EPC Turn Key : - 345kV Underground Cable: 4.1km
- 345kV OHTL: 1.16km (Tower 4 Set)
- 154kV OHTL: 0.3km (Tower 2 Set)
Project period: 2008. 10 ~ 2011. 11



018P 220V Iringa Substation (Tanzania)

Location: Iringa & Dodoma & Shinyanga, Tanzania
Installation & Expansion for 4 Units of 220kV Substation
Project period: 2004. 03 ~ 2009. 03

Infra

GS E&C, the beginning and the fundamental of Infrastructure

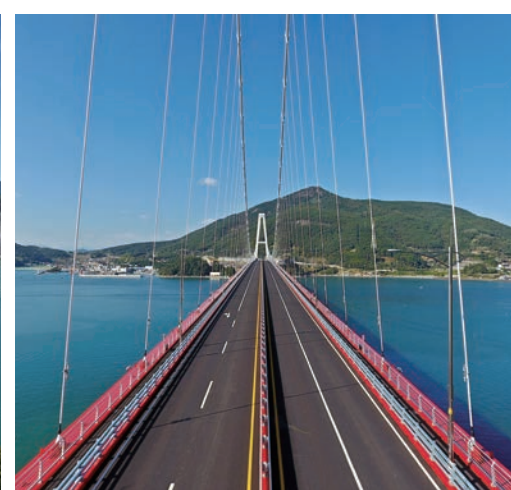
As a global leading contractor, GS E&C has been accomplishing creative missions around the world with our wide experience and superior capability. As dots become a line, and lines become a plane, we will continue to strive for creation of more valuable places for the world.



Bridges, Airports, Ports

DOT - A starting point,
the key element to expand the prospect
of human life

Bridges, airports, ports are the starting points of connecting each different location. They are the core elements that overcome human limitations and expand the prospect of human life. For a long time, GS E&C has been accumulating a plenty of construction experience in the lands of mountain, river, and sea. Based on such diverse experience, we always strive to make human life better in every corner of the world.



001 Baekseok Bridge

Location: Incheon, Korea
- Cable-Stayed Bridge 750m
Project period: 2010. 04 ~ 2012. 06

002 Yeosu Grand Bridge

Location: Yeosu, Korea
- Total Length 1.95km
- 4 Lanes
Project period: 2007. 11 ~ 2012. 10

003 Noryang Grand Bridge

Location: Hadong, Korea
- Total Length 3.1km, 4 Lanes
- Suspension Bridge 990m
Project period: 2009. 10 ~ 2018. 06

004_I



004_I **Vam Cong Bridge
Construction Project**

Location: VamCong, Vietnam
 - Total Length 2.97km
 - Cable-Stayed Bridge 870m
 - 4 Lanes
 Project period: 2013. 11 ~ 2019. 05

006_I



006_I **Doha Link**

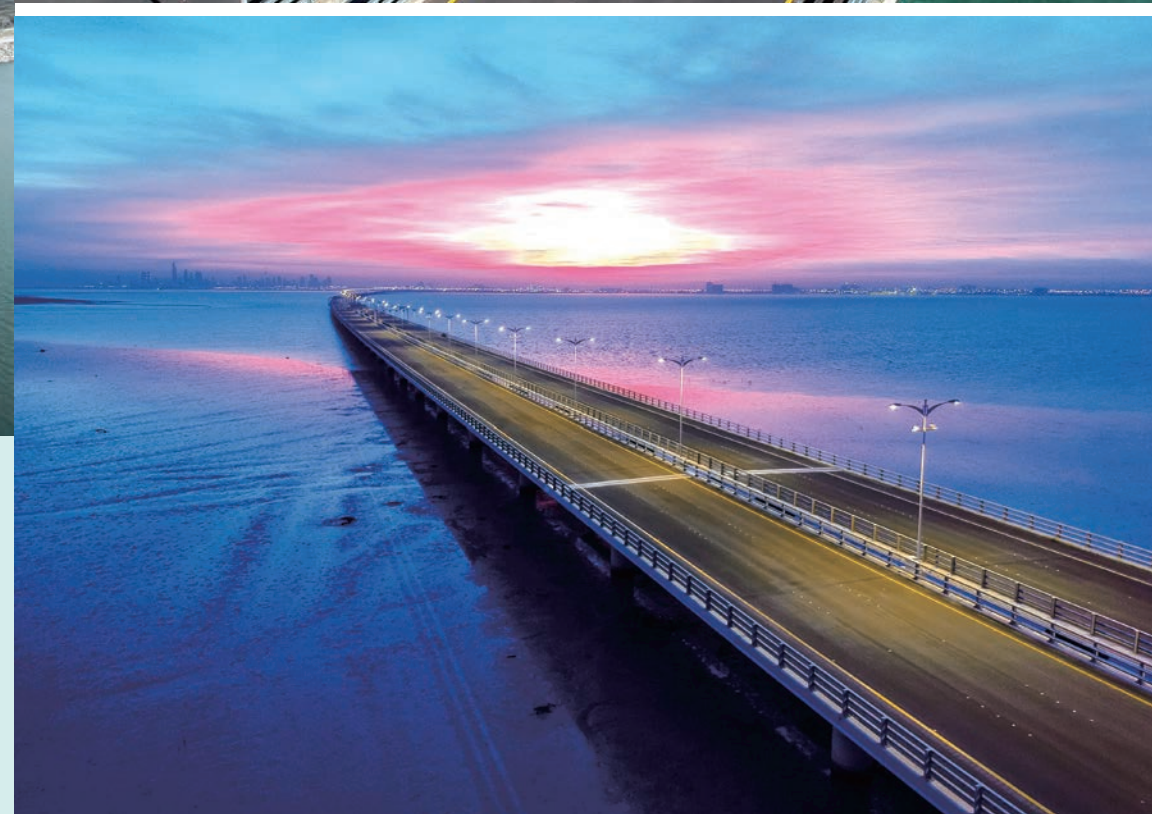
Location : Kuwait City, Kuwait
 - Total Length : 12.43Km
 - On shore 4.71Km, Off Shore 7.72Km
 - Management facility 3EA,
 Traffic Control System
 Project Period: 2014. 12 ~ 2018. 12

005_I



005_I **Gyeongin Ara Waterway
Section No. 3 Bridge**

Location: Incheon, Korea
 - Bridge Length 1.1km (PSC Box Girder)
 Project period: 2009. 06 ~ 2011. 12



007_I



009_I



008_I



010_I



007_I Ruwais Refinery Expansion Package No. 7 Marine Facilities

Location: Ruwais, UAE
- Jetty(4.4km)
- 3 Berths(800m), Loading Arms, Pipelines
Project period: 2009. 12 ~ 2014. 01

008_I Hwashun Port Development Project 2 Phase

Location: Jeju, Korea
Location: Andeok-myeon, Seogwipo City, Jeju Island
- Main Facility : Sea defence work : 466.4M, Sea Wall : 90M
- Mooring facility : Pier work : 500M, lighters Wharf : 162M
- Dredging : 69,295M3, Reclamation : 126,723
- Access Road, light house
Project Period: 2013. 10 ~ 2018. 11

009_I Yeosu Crude Oil 3rd Port

Location: Yeosu, Korea
- Dolphin-type Jetty, 120,000 DWT
Project period: 2009. 02 ~ 2011. 08

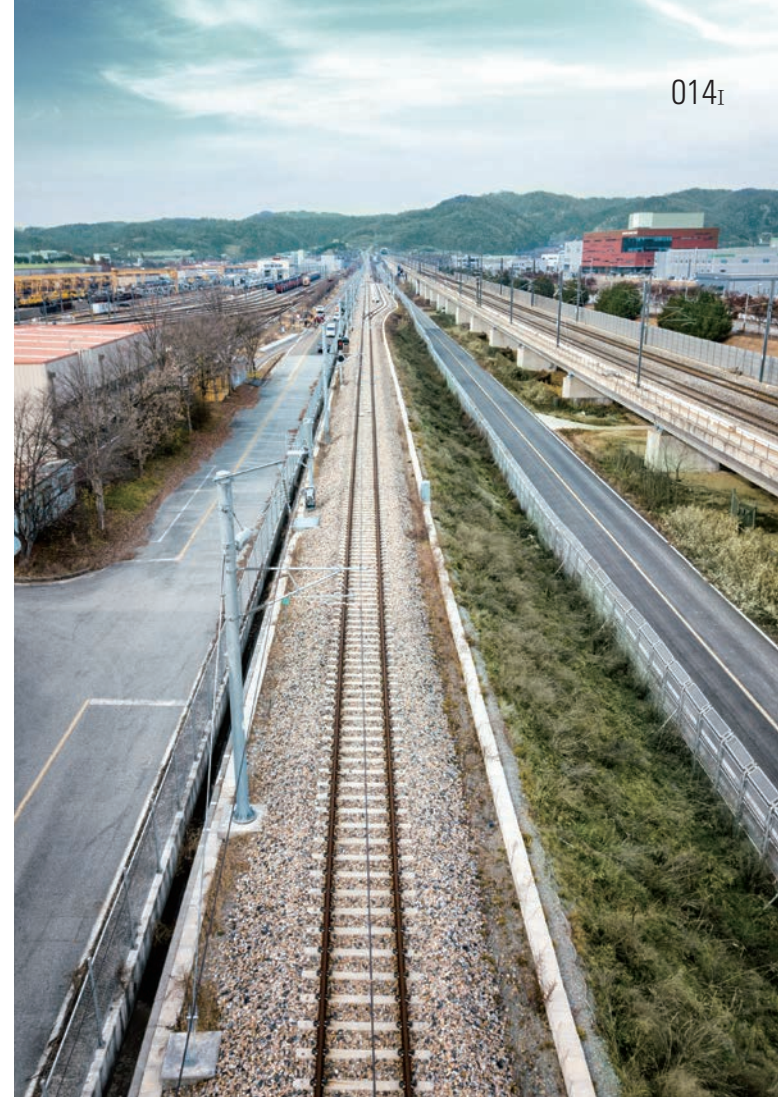
010_I Incheon LPG Unloading Facilities

Location: Incheon, Korea
- Berth Facility: 55,000 DWT
Project period: 1996. 12 ~ 2000. 05

Roads, Railways, Subways

LINE - A path to connect space, the expansion of the route by connecting countless lines

Where there is a road, life becomes richer and culture gets more developed. GS E&C is very proud of its long time accomplishment of the sophisticated road networks and the world-class high-tech subways (underground area) in Seoul Metropolitan City, the 6th largest cosmopolitan city in the world. Our cutting edge technology and know-how are once again evidenced in the constructions of the subways and stations in the countries like Singapore, Vietnam, and Qatar. Such technology and know-how will be our valuable assets to make us the leading contractor to construct the transcontinental railroads to connect Korea, Russia, and Europe for the 'Era Of Eurasia'.



011_I **Seoul-Busan High Speed Railway**

Location: Okcheon, Korea
- Total Length 12.25km
- Double Track 3.59km
Project period: 1999. 05 ~ 2002. 11

012_I **Uijeongbu Light Railway Transit**

Location: Uijeongbu, Korea
- Total Length 11.1km
- 15 Stations, 1 Depot
Project period: 2007. 08 ~ 2011. 07

013_I **Yeongjong Island Magnetic Levitation Train**

Location: Incheon, Korea
- PSC BOX Girder: 6.11km
- 6 Stations, 1 Depot
Project period: 2010. 03 ~ 2012. 09

014_I **Osong Train Testing Center**

Location: Cheongju, Korea
- Total Length 12.99km
- 6 Tunnels, 9 Bridges
Project period: 2014. 09 ~ 2019. 12

015_I **Electrified Double Track Railway in Jungang Line (Cheongnyangri-Deokso Sec.)**

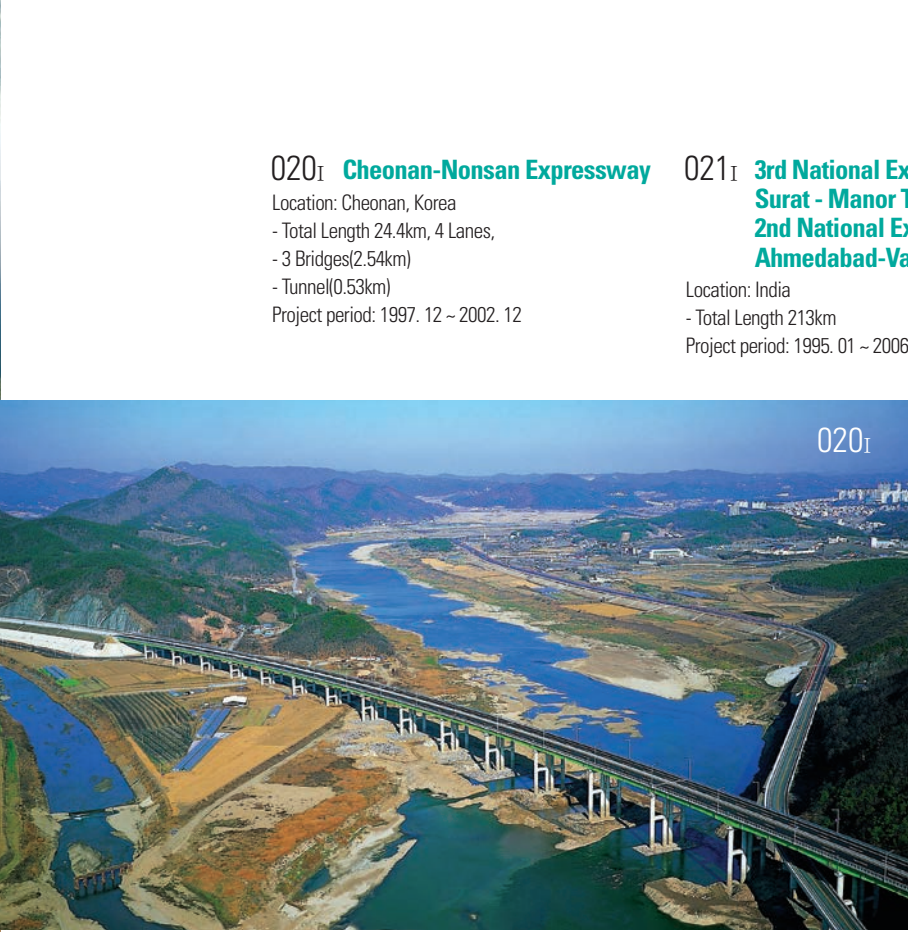
Location: Namyangju, Korea
- Total Length 9.5km, 15 Bridges(1.97km)
- 4 Stations
Project period: 1997. 10 ~ 2006. 06

016_I **Thomson-East Coast Line Contract T301**

Location: Changi, Singapore
- Area: 480,000m²
- Rail Depot: 24ha, 3 stories
- Bus Depot: 6ha, 4 stories
- Tunnel: 1.25km
- Consturction Period: 2016. 03 ~ 2024. 02



017_I

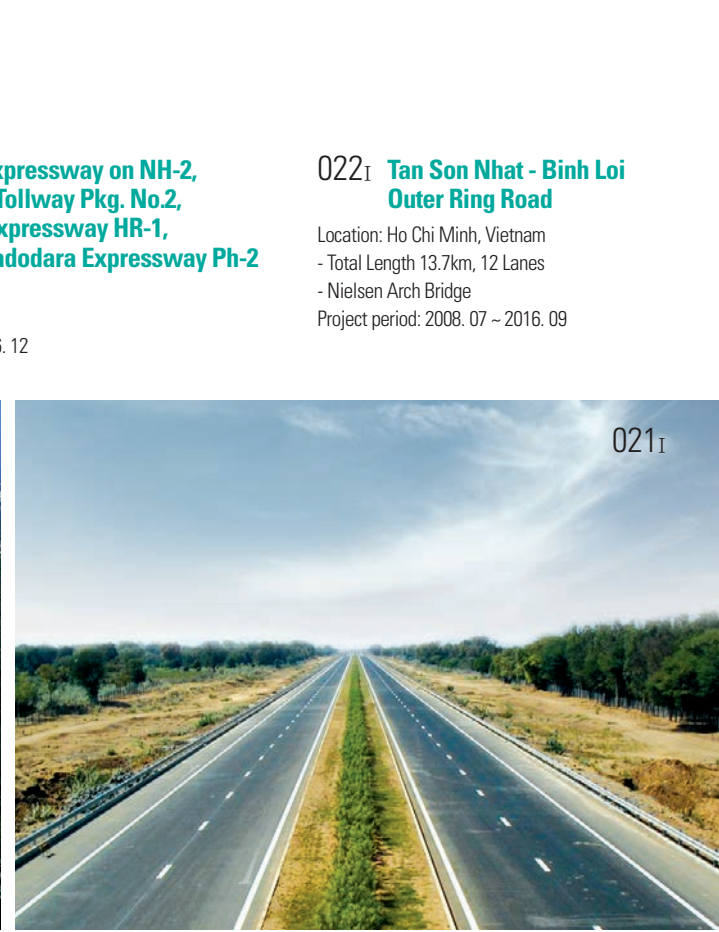


020_I **Cheonan-Nonsan Expressway**

Location: Cheonan, Korea
- Total Length 24.4km, 4 Lanes,
- 3 Bridges(2.54km)
- Tunnel(0.53km)
Project period: 1997. 12 ~ 2002. 12

021_I **3rd National Expressway on NH-2, Surat - Manor Tollway Pkg. No.2, 2nd National Expressway HR-1, Ahmedabad-Vadodara Expressway Ph-2**

Location: India
- Total Length 213km
Project period: 1995. 01 ~ 2006. 12



021_I



018_I



019_I



022_I

017_I **Expressway No. 30 (Daejeon - Dangjin Section)**

Location: Dangjin, Korea
- Total Length 36.1km, 4 Lanes
- 12 Bridges(7.62km)
- 6 Tunnels(3.74km)
Project period: 2001. 12 ~ 2009. 08

018_I **Expressway No. 45 (Hyeonpung-Gimcheon Section)**

Location: Gimcheon, Korea
- Total Length 28.8km, 4 Lanes
- 32 Bridges(6.05km)
- 4 Tunnels(7.7km)
Project period: 2001. 12 ~ 2007. 12

019_I **Vinh Thinh Bridge, Quy Cao Bridge**

Location: Hanoi, Vietnam / Haiphong, Vietnam
- Total Length 5.5km
- Total Length 0.5km
Project period: Vinh Thinh Bridge(2012 ~ 2014),
Quy Cao Bridge(2000 ~ 2002)



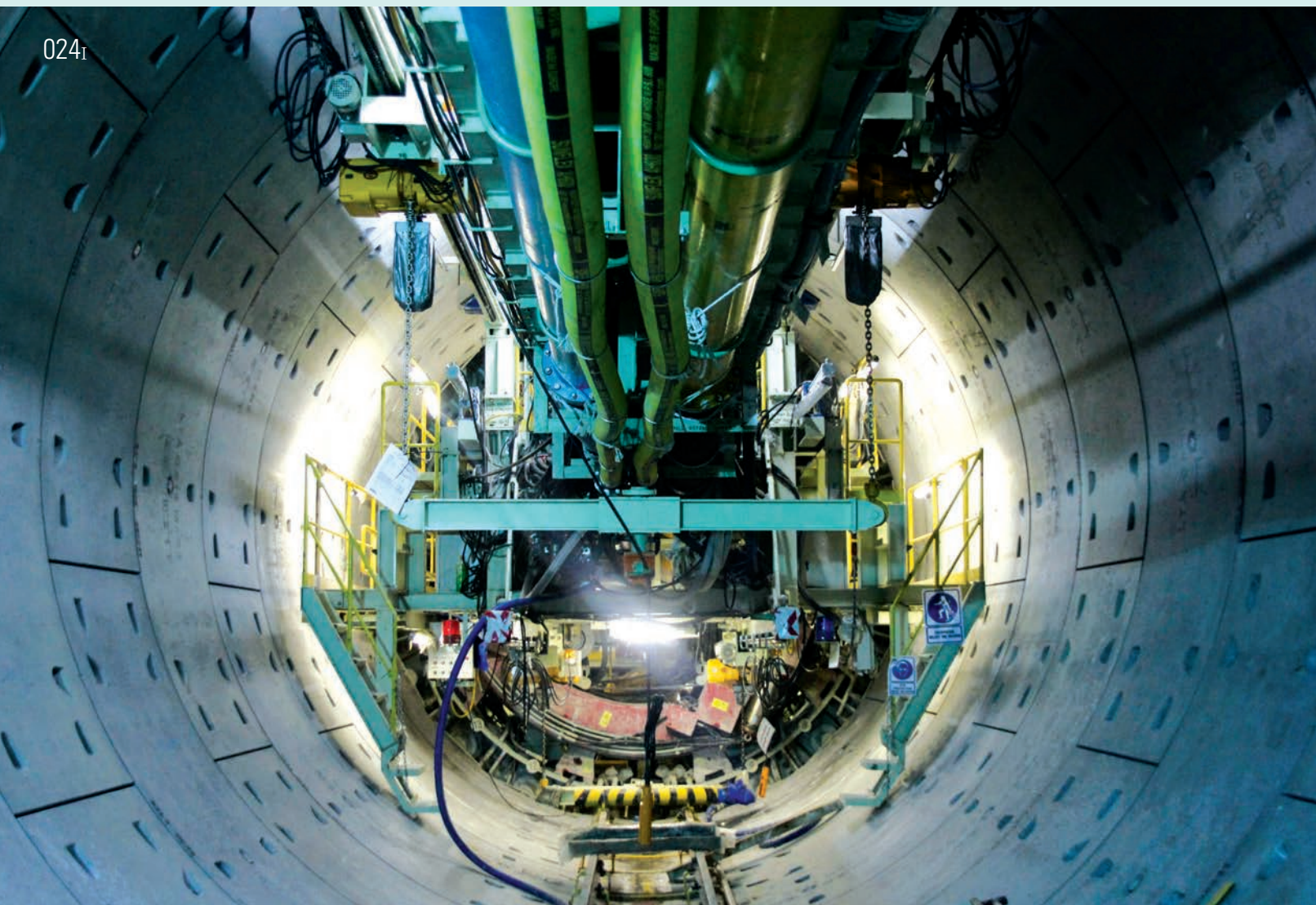
023_I

023_I HCMC Urban Railway Construction Project Line 1 CP2

Location: Ho Chi Minh, Vietnam
 - Total Length 17.2km, 6 Bridges
 - 11 Stations
 - depot area 210,000m²
 Project period: 2012. 07 ~ 2019. 12



025_I



024_I

024_I Downtown Line Stage2 C911

Location: Bukit Panjang, Singapore
 - Depot
 - Site area: 300,000m²
 - Facilities: road, drain
 - 24 buildings
 Project period: 2009. 03 ~ 2015. 07

Downtown Line Stage2 C913

Location: Bukit Timah, Singapore
 - 1.65km, 1.23km Slury Type TBM (φ5.8m)
 - 2 Stations
 Project period: 2009. 08 ~ 2015. 07

Downtown Line Stage3 C925

Location: Tampines, Singapore
 - 1.38km
 - 1 Stations (Tampines East Station)
 Project period: 2011. 07 ~ 2018. 06

Downtown Line Stage3 C937

Location: Clake Quay, Singapore
 - 1.64km (TBM Tunnel 1.18km)
 - 1 Stations (Fort Canning Station)
 Project period: 2011. 07 ~ 2016. 12



026_I

025_I Seoul Metro Line No. 9 Section No. 904

Location: Seoul, Korea
 - Total Length 2.0km
 - 2 Stations
 Project period: 2001. 12 ~ 2009. 08

026_I Electrified Double Track Railway in Taebaek Line No.1

Location: Jecheon, Korea
 - Total Length 14.29km, 8 Bridges(2.09km)
 - 3 Tunnels(6.75km), 2 Stations
 Project period: 2004. 11 ~ 2014. 6.

027_I Electrified Double Track Railway in Gyeongchun Line Section No. 7

Location: Chuncheon, Korea
 - Total Length 12.15km, 5 Bridges(3.22km)
 - 4 Tunnels(8.19km), 2 Stations
 Project period: 1999. 12 ~ 2011. 12



027_I

Industrial Complex, Dams, River Maintenance

PLANE - Fundamental element of shape and space

GS E&C is state-of-the art technology changes the existing land and terrain into far more beneficial and valuable places. Our experiences from many dam constructions and the Four Major River Restoration Project, one of the Korea is largest national projects in the history, have become the essence of our competency to be the leader of the efficient development and management of water resources. Besides, we have been establishing various industrial complexes to provide more territory for high-tech human activity. With our creative approach and technological innovation, GS E&C assures you to provide more valuable and beneficial life to the world



028_I Buhang Multi-Purpose Dam

Location: Gimcheon, Korea
- Total Reservoir Capacity 54.3mil. m³
- Road 12.71km
- 9 Bridges(1.55km)
Project period: 2006. 11 ~ 2014. 09

029_I Cheonggye Stream Restoration

Location: Seoul, Korea
- 8 Bridges (201.51m)
- Landscaping and Stream Restoration 2.1km
Project period: 2003. 06 ~ 2005. 12

030_I Seoul Metropolitan Area Water-Supply System Rehabilitation, Phase 1

Location: Seoul, Korea
- Total Length 53.9 km
Project period: 2008. 07 ~ 2012. 03

031_I Gulpo Drainage Canal

Location: Incheon, Korea
- Canal(L = 4.7km, W = 80m)
- Road(11.24km)
Project period: 2005. 05 ~ 2012. 02

032_I



034_I



033_I



035_I



032_I Myungji District Development Project No.1

Location: Busan , Korea
 - Development Area : 880,000m²,
 - Pavement : 174,100m²
 - Pipeline work : 49Km
 Project Period: 2010. 07 ~ 2017. 05

033_I Ecological Improvement in Geum River

Location: Buyeo, Korea
 - Multifunctional Barrage(L=680.0m, H=5.0m),
 - Earthwork: Dredging & Reclamation(3.06mil.m³)
 - Waterpower Station
 Project period: 2009. 11 ~ 2012. 07

034_I Yongsan-River Estuary Improvement Construction No. 1 Project

Location: Damyang, Korea
 - Tidal Gate(480m)
 - Bridge 3 nos(795m)
 - Nature-Friendly Aqueduct
 Project period: 2010. 04 ~ 2015. 02

035_I Ecological Improvement in Nakdong River

Location: Haman, Korea
 - Multifunctional Barrage(L=566.1m, H=13.2m)
 - Earthwork: Dredging & Reclamation(3.42mil.m³)
 - Waterpower Station
 Project period: 2009. 11 ~ 2012. 06

Leisure

**GS E&C is a green
space providing
a respite for the world**

Competitive in the construction of leisure facilities both at home and abroad,
GS E&C is offering the leisure of life and joy through the construction of amazing new leisure
facilities such as the Goryang CC and its dynamic courses as well as the Gangchon CC,
Elysian CC, Grand Intercontinental Seoul, COEX Intercontinental Seoul and the Elysian Gangchon.



Elysian Jeju

• Location: Jeju, Korea • Lot area: 1,752,074m² • Project area: 1,586,784m²
• Main Facilities: Golf course/Club house • Project period: 2002. 11 ~ 2005. 07



Resorts & Golf Courses & Hotels

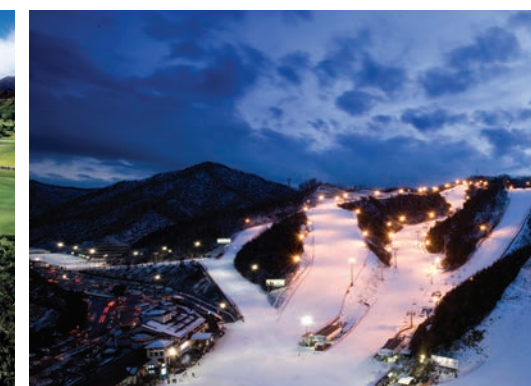


Leisure of life, joy and rest

A new turning point has come in the leisure industry with improvement in living standards and the shortening workweek. GS E&C has secured competitiveness in leisure areas by accumulating extensive experience in the construction of leisure facilities such as resorts, golf courses and hotels throughout Korea and abroad. GS E&C has constructed famous golf courses including the Gonjiam Country Club and the Elysian Gangchon Country Club loved by golfers for its challenging holes and unique layout. After achieving fame with the construction of the COEX Intercontinental Seoul and the Ladera Tower in Guam, GS E&C built the Grand Intercontinental Seoul firmly establishing its reputation in hotel construction. In addition, the company is securing composite capabilities for resort facilities from construction to management with the Elysian Jeju and the Elysian Gangchon which are now gaining popularity as 4-season composite family recreation resorts with condominiums, golf courses, ski slopes and many amenities.

001L Alpensia

Location: Pyeongchang, Korea
 - Total area: 151,800m²
 - Main Facilities: Hotel/Condominium/ Water park
 Project period: 2007. 01 ~ 2010. 12



002L Elysian Gangchon

Location: Chuncheon, Korea
 - Total area: 60,615m²
 - Main Facilities: Golf course/
 Ski course/Condominium
 Project period: 1999. 11 ~ 2002. 11

003L



003L Grand Intercontinental Seoul Parnas

Location: Seoul, Korea
 - Total area: 128,254m²
 - 33 stories with 597 rooms
 Project period: 1987. 07 ~ 1989. 04

(사진 : 에이앤뉴스)

003L



004L



004L COEX Intercontinental Seoul

Location: Seoul, Korea
 - Total floor area: 109,069m²
 - 29 stories with 654 rooms
 Project period: 1997. 03 ~ 1999. 09

005L



005L Laguna Hue Angsana Resort

Location: Thua Thien Hue, Vietnam
 - Total floor area: 38,954m²
 - 1F ~ 5F
 Project period: 2010. 06 ~ 2012. 09

006L



006L Andaz Seoul Gangnam

Location: Seoul, Korea
 - Total floor area: 42,364.66m²
 - B5 ~ 17F/ 283 rooms
 Project period: 2016. 07 ~ 2019. 06

007L



007L Vietnam Haiphong Sunflower

Location: Haiphong, Vietnam
 - Total floor area: 39,600m²
 - 4 stories with 120 rooms
 Project period: 1997. 01 ~ 1998. 09

008L



008L Konjiam Resort

Location: Gwangju, Korea
 - B3 ~ 13F
 - Main Facilities: Condominium/
 Convenient Facilities
 Project period: 2006. 04 ~ 2008. 12

SUBSIDIARIES

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China <u>GS E&C Nanjing Co., Ltd.</u> F112.Heping Bldg. No. 22 Beijing East Rd.Nanjing, Jiangsu Tel: 186-5164-3828; 070-4504-9582 Fax: 86-25-8695-9993	Spain <u>GS Engineering&Construction Spain S.L</u> Madrid, calle Quintanavides, numero 17, Edificio 3 Tel: 34-91-158-5249
	Inima <u>GS Inima Environment S.A.</u> Calle Quintanavides 17 Edif. 3 28050 Madrid Tel: 34-91-050-5250
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Algeria Algiers <u>GS Engineering & Construction Corp. Algiers Branch Office</u> 44 Rue Chenoua, Hydra, Alger, Algiers, Algeria Tel: 213-21-609-183 Fax: 213-21-606-490	Vietnam Hanoi <u>GS E&C Corp. Hanoi Branch</u> Unit 2511, F25, Keang Nam Hanoi Landmark Tower Tu Liem District, Hanoi, Vietnam Tel: 84-4-3934-5100 Fax: 84-4-3934-5104	Saudi Riyadh <u>GS E&C Corp. Saudi Arabia Riyadh Branch</u> Al-Akaria Center #3 (Office No. 511 & 513) Olaya Street P.O.Box 301084, Riyadh 11372, KSA Tel: 966-1-419-1927 Fax: 966-1-419-0425



Global GS E&C is...

Takes on any challenge and never gives up until we see the job through to the end,
We advance without fear of anything or anyone, we create the new.
With our ceaseless spirit of challenge, GS E&C broadens the world and deepens the emotion.