### Best Partner, First Company





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**COMPANY INFORMATION** 

CONSTRUCTION PERFORMANCE

GLOBAL NETWORK

# We

The advanced technology of GS E&C touches people all over the world.

# lead

The company that is leading 6 billion people to a new hope.

the world









### **CEO's Message**

Aiming to be

a reliable

partner

on creativity

and passion

Our GS E&C has been constructing the world value with creative passion, through which GS E&C is aiming for 'Best Partner & First Company' which can gain reliability from all interested parties,

such as customers, shareholders and society, etc.





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.

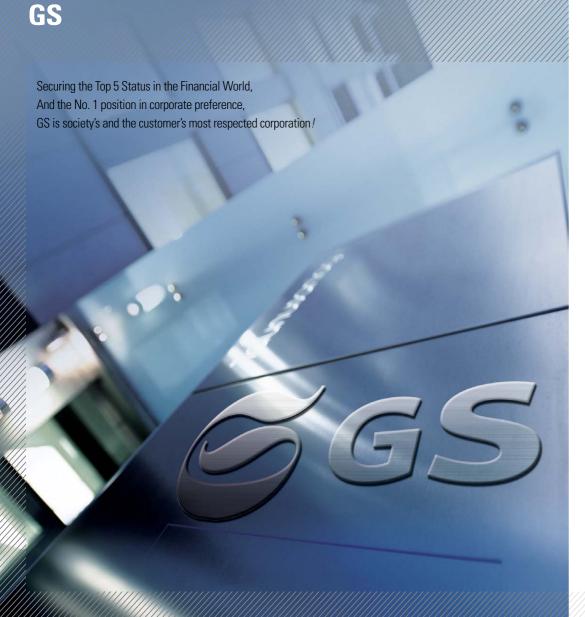
This company is in pursuit of sustainable growth as a top priority, and doing its utmost effort to leap towards a full-scale Global Top Tier.

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.

### Value No.1



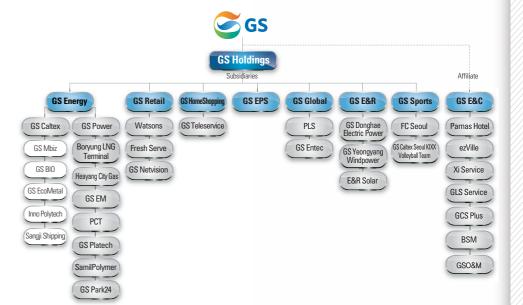
### **GS GROUP**

GS has succeeded in attaining its goals of securing Top 5 status in the financial world, implementing future growth engines and ranking 1st in corporate preference as part of an effort to achieve its mid-to-long-term goal of realizing the vision of 'Value No.1 GS Adored by Everyone'.

In securing the Top 5 status in the financial world, GS focused on interest-oriented qualitative growth and plans to proactively explore new business projects and continue to increase local projects.

Given that our mission is to emerge as a valued and respected corporation by our customers and society while realizing sustainable growth, GS aims to rank 1st in customer preference and become the most popular employer for the purpose of realizing sustainable growth.





### **A** sustainable Global Company

Leaping towards Global Top Tier Even today as it always does, GS E&C is vigorously advancing towards the goal of "The World's Best".



### **VISION & CORE VALUES**

GS E&C has started vigorous leaping toward Global Top Tier Corporation beyond the best of Korea! We sincerely promise to stand tall as a corporation which provides the best value to clients.



**FOCUS** 

# Great Company GS E&C





### **Sustainability management**



GS E&C will leap into the ranks of Top-Tier construction companies via the priority on creating great customer value and being the best partner, growing together with stakeholders.



GS E&C is promoting its Vision of 'Pursuit of Growth through Sustainable Value Creation along with interested parties' by establishing an 'Eco-friendly management system construction', 'Conversion to an internally substantial growth system', 'Building a trusted relationship & Social responsibility', and drawing action tasks. This is closely connected with GS E&C's core value-'Change', 'the Best' and 'Reliability'. GS E&C aspires to be a leading corporation of sustainable management through sustainable management internalization through systematic task practice.

GS E&C established 9 different specified strategies, targets and action plans in step based on our vision for achieving sustainability.

### **GS E&C Strategies for Sustainability**

Pursue Growth by Creating Sustainable Value Together with Stakeholders Confidential Relationship **Eco-friendly Management** Conversion to internally Construction &
Social Liability Practice System Construction substantial Growth System Strategic Economy direction Eco-friendly Management Construction of Advanced Intensification of overseas rojects performance capabilities Organization Culture Detailed Eco-friendly Construction Activity Expansion Intensification of Safety & Health Management Project Portfolio Upgradability strategies Intensification of Climate Strengthening of Core Project Competitiveness Settlement of Shared Growth Change response activity Core values

# **Social Responsibilities**





GS E&C will continue to do our best to fulfill our roles and responsibilities as a corporate citizen.

To do so, we will actively participate in efforts to promote common values by increasing investment in social programs and engaging in public policy projects.

Shared Growth

<Xi Love Sharing Volunteer Group>, consisting of GS executives and staff members, is putting sharing management into practice through customized volunteer service comprising the social welfare field (kimchi making for the winter for low income bracket/heating oil support, labor & management joint blood donation event, year-end executives and staff members' fundraising activity, etc.), education & culture field (study room, college student application for volunteer group, etc.) and environment and safety field (playground, etc.).

Ethical Management

GS E&C, recognizing the importance of practicing EM and social responsibility, has tried to pursue the transparency in corporate management based on the company vision and to values that can be shared by stakeholders.

Sharing Management

The GS E&C employees in the Xi Volunteer Corps hold social welfare (caring for the elderly, etc), education & culture (scholarship support, etc), and environment & society (Hopes & Dreams Playgrounds, etc)

### SOCIAL WELFARE



- Provision of Kimchi and heating fuel to low income families
- Activities in cooperation with the employer & employee (The annually Blood donation event / Visit and donations to the elderly living alone)
- The year-end employee fundraising event (helping the developing countries)
- Community activities around sites
- Supporting the livelihood of the disabled

### EDUCATION & CULTURE

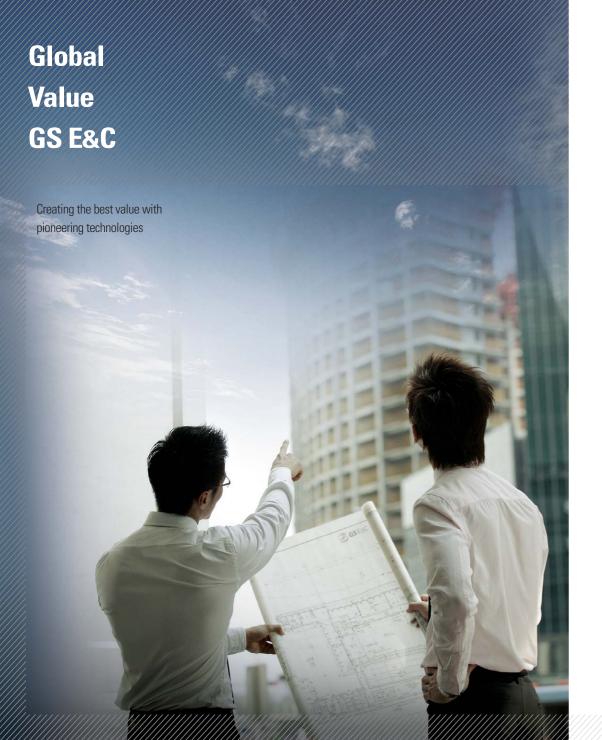


- Provision of Dream and Hope Study Rooms for children of low income families
- Provision of Happy after-school Classes for social welfare facilities
- social welfare facilities
   Supporting talented students with scholarships
- Supporting children of low income families with education funds

### ENVIRONMENT & SAFETY



- Provision of Dream and Hope Playgrounds for social welfare facilities
- Flood restoration and Environmental remediation in areas close to domestic construction sites





GS E&C, making continued investment in R&D in order to construct the dream and future of the world citizens! Its Technology Headquarters of GS E&C, which can be called the core of GS competitiveness of the construction area, has set up the 'Global Technology HQ providing an authentic value by pursuing differentiated technology and excellence' in an effort to realize Vision 2020 as the Future Vision, and the Technology HQ is promoting "Enrichment and Expansion of strength holding technology", "Construction & Intensification of Global Technological Resources System" and "Strengthening of Global Technological Capabilities" as its long-term strategy.

Strategic Direction

A Vision of the Future

Global Technology HQ, providing an authentic value by pursuing differentiated technology and excellence A Project Power
Source of Technological
Leadership

Cost Innovation/ Intensification of Differentiated
Technology Development

A Promising Project in the Future/
Technology Forecasting Systematization

Systematization and Enlargement of Global Ivel
Technology Support System

Systematization and Enlargement of Global level
Technology Support Business

Priority Tasks to be Promoted

Establishment of Cost-based Technology DB System & Availability Intensification

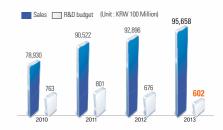
Nurturing and Expansion of Global Competence Manpower

### The Current Status of R&D investment

GS E&C continued invest in research and development as the leading company in the construction industry.

Global Technologica Capabilities

R&D budget				
R&D budget	2010	2011	2012	2013
Sales	78,930	90,522	92,896	95,658
R&D budget	763	801	676	602
Ratio of investment in R&D	1.0%	0.88%	0.73%	0.63%



### **GS E&C Research Institute**

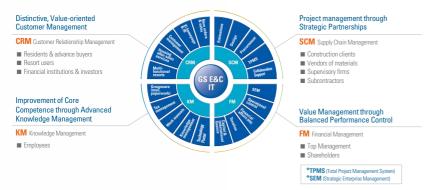
- Major facility: Environmental Research center / Clean room lab / Housing environment lab / Material Research center I Smart CEM control center / Subsidiary Facilities and Micro-grid Verification Facilities
- Site area: 20,174 pyeong / Building area: 1,803 pyeong (Total floor area 5,579 pyeong) /
- Location: 417-1, Deokseong-ri, Idong-myeon, Cheoin-gu, Yongin, Gyeonggi-do, Korea



### The Current Status of the GS E&C System

The digital management of GS E&C is divided into customer relationship management (CRM), supply chain management (SCM), knowledge management (KM) and finance management (FM). CRM is subdivided into corporate customers for the housing, architecture, civil engineering, plant and power plant environment businesses, and individual Xi customers. We are managing to build a CRM that is suitable to the characteristics of each area's customers. As for SCM, the core of the construction industry, system linkage has been enhanced throughout the entire project sector through collaboration with clients, partners and vendor.

Centering on TPMS, a main system in the business management sector and transparent processes, cost management has been conducted in all projects on a real-time basis to realize earlier settlement of digital management. In addition, the company provides accurate information on fund receipts and disbursement to both management and shareholders based on knowledge management received in the KM and FM sectors so as to realize differentiated competitiveness.



### Systematic support to realize Vision 2020

To enhance operational efficiency, GS E&C has formed the optimal networks between the Head Office and construction sites, and monitoring 24hours inside and outside Korea. Links to all construction sites are subject to security controls 24 hours a day. The company has used this platform to complete a consolidated construction data system for everyday operation before advancing into RTE (Real Time Enterprise) and the Work Smart Environment at the strategic level.

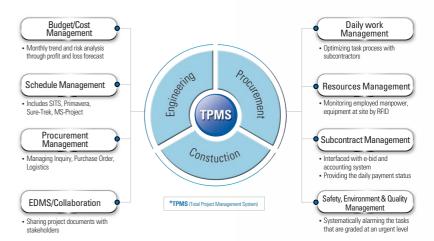
### Offering the Ultimate IT Solutions to Achieve Vision 2020



## ADVANCE MANAGEMENT SYSTEM

### **Total Project Management System**

TPMS, an integrated Project Management System focused on profit and loss, process, operate, cost innovation, manages budget/cost, schedule, procurement, resources, subcontract, documents and SEQ.



### Mobile TPMS(Total Project Management System)

All GS E&C construction sites are utilizing this system. In 2011, we developed a TPMS application for smart phones called M-TPMS that enables on-site workers to manage construction projects anytime from anywhere.



## GS E&C BUSINESS AREA









### Plant

- · Petrochemical
- · Oil & Gas
- · Environment

### Architecture

- · Office Building
- · Education, Research & Hospitals
- · Culture, Leisure & Sports
- · Clean Rooms & Manufacturing Facilities
- · Logistics & Remodeling
- Housing
- · Development

### Power

- · Combined Cycle/Thermal Fired/Nuclear Power Plant
- · Renewable energy
- · T/L & Substation

### Infra

- · Underground Spaces & Railway
- · Roads & Bridges
- · River Developments & Marine Works

### Leisure

- · Resorts
- · Golf Courses & Hotels

### GS E&C HISTORY























- · Lakhee Development Co., the origin of GS E&C, was
- Construction Export Tower for overseas construction. Established a local incorporation in the U.S.

Awarded U\$1 billion

- The company's name was changed to LG Construction Co., Ltd.
- Acquired Certificate of ISO 9001 International Quality Management Standard.

- Seohae Grand Bridge received a Presidential Award.
- · Awarded the best business manager prize in (97 construction management Grand Prize) by Korea Management

- The Xi apartment brand was launched. Awarded for corporate PR in World Advertisement Grand Prize International Quality Management Standard.
- The company's name was changed to GS E&C Co., Ltd. (GS Group officially launched.)
- · Selected as a company of good corporate governance by Korea Exchange.

### • 2009'13th award ceremony for the ideal living apartment-received the Banpo Xi

- Presidential Award · 2009' Global Management Convention grand prize in the Customer Satisfaction
- Management sector • 2009 Korean Architecture Award - grand prize in the private sector
- Corporation Award' hosted by the Korea CEO Association

- Integrated into DJSI Global Company Announcement of core value for the creation of a new organization culture

- Received the 2009 'Most Reliable Korean

- 2011 Received the KRCA (Korea Reader's
- · Selected as the most trusted company 2 years in a row
- Selected as the world's 36th largest constructor by ENR, a worldwide construction weekly magazine in Europe, in 2010

### • 2011 Received the Forbes CEO Award

- Choice Award) in the Korea Sustainability
- 2011 Xi App Received International Business Awards in three sectors simultaneously
- · Received the iF Design Award in Germany for 5 years consecutively

for 3 years in a row

· Integrated into DJSI Global Company for 2 consecutive years Received The Most Trusted Company Award

### · Received the 2012 The Best Brand Award-Xi Apartment Sector

- Included in the 'Dow Jones Sustainable Management Index World' for 3 years in a row and selected as a Super Sector Leader Company
- · Received The Most Trustworthy Company Award for 4 years in a row
  - Received BIM Awards 2012 in the construction sector organized by Building Smart Association Ranked 34<sup>th</sup> in the world by ENR, a world-renowned construction manazine

### Grand Prize awarded for Korea First Brand (by Korea Consumer Brand Committee) - Xi, awarded the first prize in Apartment Section for 8 years in

- The 16th Award Ceremony of Civil Structure of the Year (Korea Civil Association) -Gold Prize for Mokoo Bridge · Award Ceremony of the 8th Asia Construction
- Award (Asia Economy) Grand Prize for Win-Win . I I Included in the 'Dow Jones Sustainable Management Index World' for 4 years in a row
- GS INIMA, received PIA (Project Innovation) Awards) by IWA (International Water Association) - Energy Saving Technology using a desalination hydrostatic pressure · Awarded by Government for the 1st Korea Being Loved Enterprise (the Ministry of Industry and

### . The number one Korea's first brand award in apartment for the third consecutive year

(Korea Customer Council)

- Golden award for the best structure at the 17<sup>th</sup> annual Civil engineering day Ceremony (by Korean
- Society of Civil engineers) Yeosu Bridge • Won the 2014 Korea Architecture & Arts Grand Prize ((Ministry of Land, Infrastructure, and
- Transport), Korea Institute of Registered Architect, Daily Seoul Economics), Won the Grand Prize in the public sector of the National Museum of Modern & Contemporary Art, Korea, Won the Grand Prize in Apartment Housing sector at Mecenatpolis, Runner-up Prize at NC Soft Pangyo R&D Center, Runners-up Prize at Chuncheon Naver Data Center (November 5)

### Commerce) - Selected as the Being Loved

### 2013 Myung-Soo Huh. President, named president of the Korea Federation of Construction Signed MOU with China State Construction Engineering Corporation Limited Received the order for Star Project from Turkey at 10billion dollars Mr. Byeongyong Lim is named 12th CEO of GS E&C

Received the order for KLPE Project, Kazakhstan at 3.7 billion dollars (1.4 billion dollars for us) Contracted a MOU for sewage treatment facility project of Youngbo City, Hanam Province, China

2014 Moved the company building to Grand Seoul, Cheongjin-dong, Jongno-gu, Seoul Opening Ceremony of GS E&C Mumbai Design Corporation, India

> UReceived the order for Clean Fuels Project, Kuwait at 4.8 billion dollars (1.6 billion dollars for us) UReceived the order for Karbala Project, Iraq at 6 billion dollars (2.3 billion dollars for us) Conclusion of the Agreement on Low-Grade Coal High Upgradability Project Technology between

Obtained Order of 1.4 billion dollars on UAE Rumaitha/Shanavel Crude Oil Treatment Plant Project (GS E&C Portion-700 million dollars)

Obtained Order of the World's Longest Marine Bridge-Kuwait Doha Link Bridge Construction (GS E&C°Øs portion-500 million dollars)

Completion of LG Display Guwanozhou Plant 2015 Solely Obtained Order of 2.6 billion dollars size of Venezuela Pirital-1 Gas Plant Project

GS E&C and Korea East-West Power Co., Ltd.

Opening Ceremony of GS E&C Philippine Manila Design Corporation

Company - GS E&C - BEST PARTNER, First Company - GS E8

Business Portfolio

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### 1969 Established RAKHEE Development Co., Ltd.

- 1975 Changed the company name with LUCKY Development Co., Ltd. 1977 Established LUCKY Overseas Construction Co., Ltd.
- 1979 Merged LUCKY Overseas Construction Co., Ltd and selected as Housing Construction Company by the Ministry of Construction
- 1981 Executed IPO (Initial Public Offering) 1983 Established Lucky Development (Arabia) Ltd.
- 1988 Lucky Geumsung USA Headquarter started Constructed LIMAM University Sports Center / Moved the company building to Yeokjeon Bldg.

Established Lucky Development International Inc. in USA

- 1989 Established Lucky Development Inc. in Saipan Announced the 21C Vision 'The No.1 Developer in Korea', 'International Total Construction
- 1991 Obtained the license of construction of Japan, Published 'The 20 Years Construction History of Lucky Development'
- 1992 Obtained the patent for Movable Compartment for Variable Wall Construction of Apartment. Selected as the No.1 Construction Company for industrial disaster prevention among top 30 construction companies
- 1993 Obtained the license of construction ability for Nuclear Power Plant Facility from ASME/ Established Lucky Thai Engineering Construction Co., Ltd. in Bangkok Obtained the patent for Waste Incinerator using a Counter flow Rotary Kiln

- 1994 Contracted with CSCEC (China State Construction Engineering Corporation Ltd.) for construction cooperation
- 1995 Shin Seung-Gyo, Vice President (Representative) Changed the company name with LG Construction Co., Ltd. / BIO-NET Construction Technique for Sewage Treatment, assigned as the technology of the Ministry of Construction and Transportation 1996 Announced "Jump-up 2005"
- "SUWON LG Village", selected as Hit Item in the First Half of 1996 by Seoul Newspaper Obtained the license of environment management system, ISO 14001
- 1997 Shin Seung-Gvo. promoted to President Grand prize for "LG Chemical Daedeok Laboratory" by '1997 Korea Construction Culture Award' / Received Best Entrepreneur Award from '1997 Construction Management Award' by Korea Management Association and 6 other awards 1998 Min Soo-Ki, inaugurated as the 9th President
  - "The Building of KP Co., Ltd." awarded by '1998 Korea Construction Culture Award' LG-HP SUNFLOWER INTERNATIONAL VILLAGE, awarded by the Vietnam Haipong Council of People's
  - Selected as one of the Best 30 Companies for 'the 2nd Business Information Award' by the Ministry of Information and Communication
- Received the 'Best Public Announcement Award' by Korea Stock Exchange 2001 LG Construction, selected as the Best Company for Corporate Governance Structure by Korea Stock Exchange

1999 LG Construction and LG Engineering merged

### 2002 Heo Chang Soo, appointed as Chairman, Representative Kim Gab-Yeol, inaugurated as the 10th President

Launched a new housing brand "Xi" / Selected as Best Company for Corporate Governance Structure by Korea Stock Exchange / Introduced new apartment brand "Xi" / LG Construction announced "VISION 2010" / Taebaek Line Jecheon-Ssangyong Section 1, Double track railway construction / Goha-Jukkyo road (alternative detour of national road, Mokpo) construction No.1 design for Turnkey Design Deliberation / Plant Project Headquarter: obtained the patent for "Welding History Management Method of Pipe Spool using a bar code"

- LG Yangiu Xi Site, obtained the certificate for Environment Friendly Construction Site' 2004 Awarded for the 'Best Case in Environment Section' of 'the 3rd Environment Safety Best Case Presentation' by the Council of Korea Construction Economy / Held '2003 Overseas Road Show' in Asia, Europe, and USA / Advanced Nuclear Power Plant Business by winning the order for 'New Wolsung Nuclear Power Plant Unit 1&2 Main Equipment Construction' Received the Grand prize for construction by '2004 Environment Management Award' LG Construction, selected as the Best Governance Structure Corporate by Korea Stock Exchange
- Received the Gold Prize of the 1st Road Construction Knowledge Competition 2005 GS Construction and SK Construction Consortium, contracted for 660 million dollar construction of Thailand / 'Xi' received the first prize of 2005 Consumer Wellbeing Index and the Grand Prize of Environment Index Award / Contracted for 'Linear Alkyl Benzene Plant Construction of Egypt' Signing Ceremony for 'Agreement for Marine Energy Research and Development and its Use'

Received the Gold Prize of Gveonogido Architecture Culture Award'

Received Cyber IR Prize of the 6th HANKYUNG IR Award

- 2006 Signing Ceremony for Execution Agreement of Uijeongbu Light Rail Transit Signing Ceremony for Research and Development of commercialization technology for tidal power and tide energy / 'Signing Ceremony for KYUNGBANG K-Project Signing Ceremony for EPC Contract for Uijeongbu Light Rail Transit Agreement Ceremony for Private Investment Finance for Uijeongbu Light Rail Transit Signing Ceremony for Joint Investment Agreement for Unbuk Area
- 2007 Heo Myung-Soo, inaugurated as the 11th President Agreement Ceremony for Incheon Combined Power Plant Unit 2 Provisional Contract for Vietnam BT Project Contracted for Financial Agreement - Vietnam Gucci Golf Resort Project Delivery Ceremony for Investment Permit Approval for New Town in Nyabe, Vietnam Joint Venture Signing Ceremony for Saudi Arabia Corporate Agreement Ceremony for HMC PP in Thailand Contracted a J/V Agreement for Kazakhstan 195ha Project
- 2008 Received the order for Thailand LNG Take-over Base Received the order for UAE Green Diesel Project Received the order for new project of Kuwait Refinery Plant Complex Received the order for Tatarstan Refinery Plant from Russia Received the order for Manifa Package No.4 Project from Saudi Arabia 2009 Heo Myung-Soo, inaugurated as the 11th Representative Contracted a MOU for joint business promotion of wind power generation

Contracted a MOU with LSIS for Smart Grid energy saving architecture business

- 2010 Contracted a MOU for joint promotion for Incheon Bay Tidal Power Generation
  - GS Construction, contracted an encouragement of technical skill agreement with Human Resources Development Service of Korea / Received the sole order for UAE Ruwais Refinery Plant at 3.6 billion dollars / Completed Qatar Lapan Condensate Refinement Facility Construction / Incorporated as Dow John's Sustainable Management Index (DJSI) World Enterprise
- 2011 Contracted an agreement for 2011 Green Management Extension Support in Construction Section / GS Construction, incorporated as DJSI World Enterprise for 2 vears in a row / Received Germany iF Design Award for 5 years in a row Received the Reliable Enterprise Award for 3 years in a row
- 2012 Announced \*Vision 2020\* in 2012 Launched the small house brand 'Xi-Ella' / Merged Inima from Spain Received the sole order for Saudi Arabia Lavic II Project at 1.8 billion dollars Contracted a MOU for water supply technical cooperation between Vietnam and Korea University Agreement Ceremony for IRPC Plant Project, Thailand
- Contracted a MOU with Korea Railroad Research Institute for GTX Technical Cooperation



### 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 numerouspetrochemical projects such as Ethylene, PP, Phenol/BPA, OCU and LG petrochemical in theKorea market as well as Lidong Aromatics,

Thai ATC Aromatics, and HMC PPin the Asia market Having demonstrated a wealth of experience inpetrochemical plant construction GS E&C wasawarded the 1.26 billion dollar Sohar Aromatics contract in Oman, the largest project within Omanin 2006. Successful completion of the project was made in 2010 with an impressive 1.8 million accidentfree man hours.

GS E&C looks to expand its business areas into the Mideast Asia, Central and South America, CISand Africa.

Winning the Egyptian LAB project(E-Lab) has beena trigger point towards this goal.











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



### 002P Sohar Aromatics

Location: Sohar, Oman - BTX 1,000,000 MTPY Project period: 2006. 06 ~ 2009. 11



# 003P Lidong Aromatics Location: Lidong, China - P-xylene 700,000 MTPY - Benzene 240,000 MTPY - Toluene 160,000 MTPY Project period: 2004. 06 - 2006. 07

003<sub>P</sub>







# 005<sub>P</sub> OP LAB Location: Mesaieed, Oatar - Paraffin 80,000 MTPY - LAB 100,000 MTPY Project period: 2004. 01 ~ 2006. 04

### 006P 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

### 004₽ **HMC PP**

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

### 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 extensiveknowledge in the upgrading of internal facilities with the execution of the GS-Caltex RFCC projectin the early 2000s and the No. 2~3 HOU since themid-2000s. This Corporation has not onlystrengthened fundamental skills in the oil sector, but has also branched out into the gas sectorwith the LNG Terminal in Tongyoung, Incheon, and Pyeongtaek, Korea. GS E&C has built up its oversea experience inAzerbaijan/Thailand/Qatar from the early 1990s, and showed impressive execution, a reliablecorporation image and the capability to manage large scale projects such as SP 9 ~ 10 in Iran, Green Diesel in UAE, PTTLNG in Thailand, and Manifa in Saudi.

and Mailla in Saudies.

SESC was awarded 2.18 Billion USD contractin 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 strategiesin carrying out large-scale gas projects and

### 007<sub>P</sub> Azerpetrochim CDU / VDU

Location: Baku, Azerbaijan

- CDU 45.000 BPS

- VDU 28,000 BPSD

Project period: 1991. 10 ~ 1994. 04

### 008<sub>P</sub> Laffan Refinery

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











### 009 Black Gold Project

Location: Alberta, Canada

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

### 010P Salalah Methanol

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

### 011<sub>P</sub> **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



### 015<sub>P</sub> KNPC OCR Revamp of ARDS Unit

Location: Mina Abdulla, Kuwait - ARDS 66,000 BPSD → ARDS 84,000 BPSD Project period: 2002. 11 ~ 2004. 10

### 016P Kirikkale DHP-CCR

Location: Kirikkale, Turkey - CCR 22,650 BPSD

- DHP 28,000 BPSD Project period: 2005. 01 ~ 2007. 07

### 017<sub>P</sub> 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







# 014<sub>P</sub>

### 012P 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

### 013P Ruwais Refinery Expansion Project (Package 2)

Location: Ruwais, UAE

- RFCC & Associated Refining Units - 127,200 BPSD Project period: 2009. 12 ~ 2014. 12

### 014P Ruwais Refinery Expansion Project (Package 7)

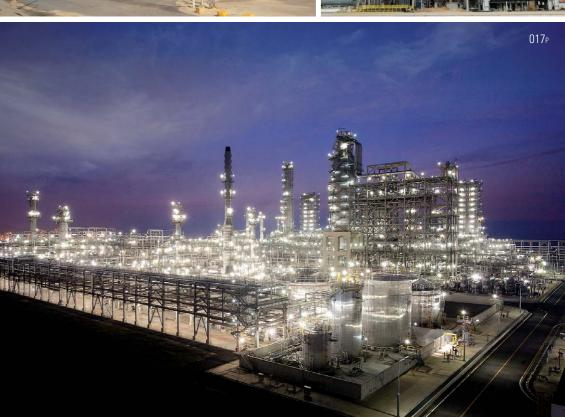
Location: Ruwais, UAE

- Jetty: 4,400m

- Berths (3 Ea): 880m (20,000 ~ 330,000 DWT)

- Marine Loading Arms (39 Units)

 Main Export Pipeline (27 Unit)
 Control Bldg. & Fire Water Pump House Project period: 2009. 12 ~ 2014. 12







018<sub>P</sub> 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

- CONDENSATE RETURN 6,712 TPD

### 019P UAE Green Diesel

Location: Ruwais, UAE

- VACUUM UNIT 35,000

- HYDROCRACKER 41,000

- GAS OIL HYDROTREATER 44,000

Project period: 2008. 01 ~ 2011. 11

### 020P Manifa Gas Facilities Project

020<sub>P</sub>

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

### 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.





### 024P Cheongju Municipal Solid WasteTreatmentPlant

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

### 025P Dalseong Industrial & Municipal Solid Waste treatment plant

Location: Taegu, Korea - Capacity: 70 ton/day - Pyrolysis melting type Project period: 2006. 04 ~ 2009. 12

### 026P Jecheon Municipal Solid Wastetreatmentplant

Location: Jecheon, Korea

- Incineration plant: 50 ton/day

- Stoker type

Project period: 2006. 03 ~ 2008. 08



### 027P Eunpyung MSW Management System

Location: Seoul, Korea

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

### 028P Gumi Municipal Solid Waste Treatment Plant

Location: Gumi, Korea

- Incineration plant: 200 ton/day

- Stoker type Project period: 2008. 07 ~ 2011. 04







### 029P Hwaseong Municipal Solid WasteTreatment Plant

029<sub>P</sub>

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

# Water & Sewage, Wastewater Treatment

### Technology that protects nature and man

GS E&C is leading the public project market in the areas of advanced waste water and sewage treatment on the basis of our advanced technology power and construction capabilities.

GS E&C is expanding in the advanced waste water treatment area having completed such projects as the Ohsan sewage treatment plant, the advanced waste water treatment in Jeonju and the advanced waste water treatment in the heavy materials recycling center. In this way, our company is a leader in environmental facilities design and construction as demonstrated by our work on the environmental facilities of the LG Philips LCD manufacturing plant. GS E&C's advanced technology and our vast experience in design and construction is making us the "first and best" company; one that has created a strong trust and garnered respect by our customers as a global player in the water treatment sector. Our advance into the overseas markets is best represented by successful projects including the BAPCO waste treatment facilities in Bahrain and the Azzour water conveyance facilities in Kuwait.

### 030P Jeju Advanced Sewage treatment plant

Location: Jeju, Korea

- Advanced Sewage Treatment: 130,000 m3/day
- CNR Process

Project period: 2006. 09 ~ 2009. 05



### 031P Gunsan Advanced Sewage Treatment Plant

Location: Gunsan, Korea

- Advanced Sewage Treatment: 200,000 m³/day
- 4-Stage BNR Process

Project period: 2006. 09 ~ 2010. 03

### 032P Jeonju Advanced Sewage treatment plant

Location: Jeonju, Korea

- Advanced Sewage Treatment: 303,000/day
- Auvanceu sev

Project period: 2004. 10 ~ 2007. 06

### 033P Osan Sewage Treatment Plant(Unit #2)

Location: Osan, Korea

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









### 034P Yeosu Sewage treatment plant

Location: Yeosu, Korea - Sewage Treatment: 35,000 m³/day - MLEProcess

Project period: 2005. 09 ~ 2008. 04

### 035P LG.Philips LCD P7 (Environmental facility)

Location: Paju, Korea - Wastewater Treatment: 51,000 m³/day - Wastewater Recycling: 18,000 m³/day - Water Treatment: 40,000 m³/day

- Deionization System: 2,400 m³/hr Project period: 2004. 03 ~ 2006. 10



### 036<sub>P</sub> Ilsan Advanced Sewage treatment plant

Location: Goyang, Korea

- Advanced Sewage Treatment: 270,000 m³/day

- MLEProcess

Project period: 2006. 12 ~ 2009. 12

### 037<sub>P</sub> Jungrang Advanced Sewage treatment plant

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



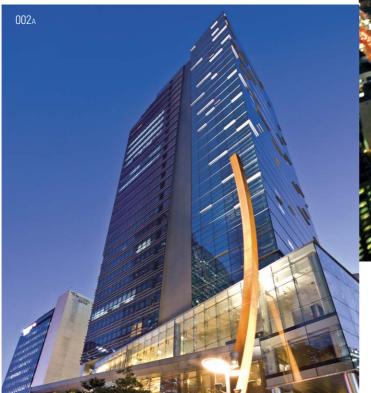
### Office Building

### 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 Gwangyang Port Operation Center

Location: Gwangyang, Korea - Total floor area 18,460 m² - B1~19F

- B1~19F Project period: 2004. 12 ~ 2007. 05

### 002A Ferrum Tower

Location: Seoul, Korea
- Total floor area 55,692 m²
- 86~28F
Project period: 2008. 05 ~ 2010. 08

### 003A GS Tower

Location: Seoul, Korea - Total floor area 141,552 m² - B6~38F

Project period: 1994. 12 ~ 1999. 08

003<sub>A</sub>





Location: Seoul, Korea - Total floor area 72,506 m² - B7-21F

Project period: 2003. 07 ~ 2007. 08

### 005A Times Square

Location: Seoul, Korea
- Total floor area 308,597 m<sup>2</sup>

- B5~20F Project period: 2006. 06 ~ 2009. 05

### 006A Jeollanam-do Government Complex

Location: Muan, Korea

- Total floor area 79,305 m² - B2~23F

Project period: 2001. 12 ~ 2005. 11









### 007A Gran Seoul

Location: Seoul, Korea

- Total floor area 175,536 m²

- B7~24F (105m)

Project period: 2011. 04 ~ 2014. 03

### 008A IFC Seoul

Location: Seoul, Korea - Total floor area 509,524 m² - B7~55F

Project period: 2008. 01 ~ 2011. 12



### 009A LG Beijing Tower

Location: Beijing, China

- Total floor area 151,346 m²

- B4~30F

Project period: 2002. 08 ~ 2005. 08

### 011A LG Twin Tower

Location: Seoul, Korea - Total floor area 157,835 m<sup>2</sup> - 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 esthetics with excellence in technological prowess to maximize customer satisfaction.

### 012A LG Chem. Institute of Technology

Location: Daeieon, Korea

- Total floor area 22,983 m²

- B2~3F

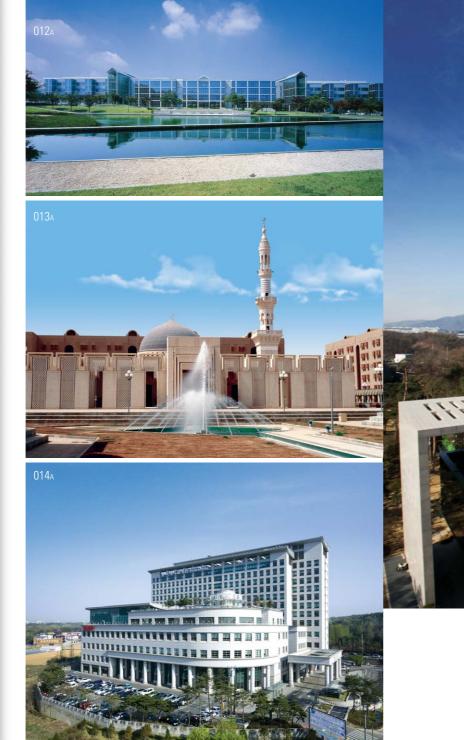
Project period: 1995. 01 ~ 2004. 09

### 013<sub>A</sub> Residential Complex in Imam University

Location: Riyadh, Saudi Arabia

- Total floor area 50,947 m²

- Accommodation & support facilities Project period: 1996. 10 ~ 1997. 06



### 014A General Hospital of Dongguk University

Location: Ilsan, Korea

- Total floor area 92,276 m2

- B2~12F

Project period: 1999. 11 ~ 2002. 09

### 015A LG Electronics Seo-Cho R&D Campus

Location: Seoul, Korea

- Total floor area 125,070 m²

- B5~25F

Project period: 2006. 02 ~ 2009. 02

### 019<sub>A</sub> Ng Teng Fong Hospital

Location: Singapore

- Total floor area 230,380 m²
- Regional Hospital (8~16F, 700 beds)
- Community Hospital (12F, 400 beds)
- Specialist Outpatient Clinics (8F) Project period: 2012.06 ~ 2015. 02

### 020A LS Cable Gumi Dormitory

Location: Gumi, Korea

- Total floor area 16,696 m²

- B2~4F Project period: 2010. 09 ~ 2011. 05 HRD Center
Location: Sacheon, Korea
- Total floor area 48,947 m²

021A LIG Insurance Sacheon

- B2~5F

Project period: 2007. 11 ~ 2011. 05





# 017A

### 016<sub>A</sub> Dunsan General Hospital of Eulji University

Location: Daejeon, Korea - Total floor area 91,741 m²

Project period: 2001. 04 ~ 2004. 02

### 017<sub>A</sub> KT Training Institute, Wonjoo

Location: Wonju, Korea - Total floor area 53,245 m²

Project period: 1996. 11 ~ 2000. 05



### 018A Hye Chon University Dormitory

Location: Daejeon, Korea - Total floor area 16,246 m²

- R1~9F

Project period: 2009. 07 ~ 2011. 03



### **C**ulture, Leisure & Sports

### A beautiful space upgrading quality of life

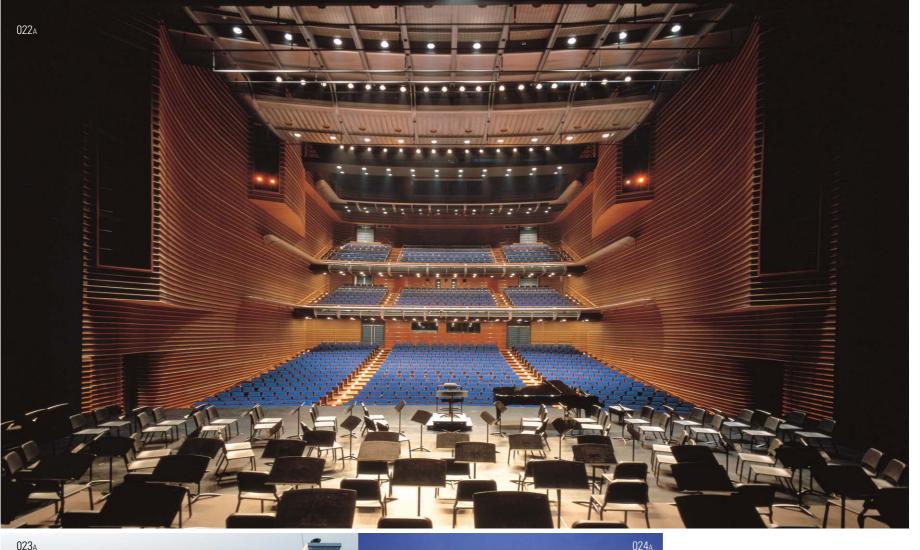
GS E&C has applied its differentiated technological power in our numerous achievements in the construction of composite facilities that combine culture, leisure and sports. We provide cultural facilities, luxury hotels, leisure facilities and sports complexes that can accommodate cultural and artistic 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.



Location: Seoul, Korea

- Total floor area 18,713 m²

Project period: 1994. 12 ~ 1999. 08





### 023A Gimhae Cultural Center

Location: Gimhae, Korea - Total floor area 43,750 m²

Project period: 2001. 11 ~ 2005. 11

### 024A KEPCO Cultural Center

Location: Seoul, Korea

- Total floor area 70,602 m2

Project period: 1996. 09 ~ 2001. 04

# 

### 026<sub>A</sub> Health Center & Sports Area in Imam University

Location: Riyadh, Saudi Arabia

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

027<sub>A</sub> Masan 3.15 Cultural Center

Location: Masan, Korea - Total floor area 19,812 m² - B1~3F

Project period: 2005. 06 ~ 2008. 03

### 028<sub>A</sub> National Museum of Korea

Location: Seoul, Korea - Total floor area 134,560 m²

- B1~6F

Project period: 1997. 10 ~ 2004. 02





# 028<sub>A</sub>

### 025A COEX Convention Center & ASEM Tower

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

# 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.



#### 029A PLS Pyeongtaek PDI Logistics Center

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

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

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

#### 031A LG display Paju LCD Cluster (P7, P8)

Location: Paju, Korea P7 - Total floor area  $668,547\,\mathrm{m^2}$  / B2–7F P8 - Total floor area  $519,126\,\mathrm{m^2}$  / B4–9F Project period:  $2004.03\sim2008.08$ 

# Logistics & Remodeling

# 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 Samcheongak, 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.



#### 032A Yongsan ET land / Multiplex Theater

Location: Seoul, Korea - Total floor area 77,787 m²

Project period: 2001. 09 ~ 2002. 11

#### 033A Namchon Leadership Center

Location: Seoul, Korea - Total floor area 6,956 m²

- B3~5F Project period: 2005. 10 ~ 2006. 09

#### 034A **Garden 5**

Location: Seoul, Korea

- Total floor area 426,743 m²

- B5~11

Project period: 2006. 10 ~ 2009. 03

## **A**partments

# 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 redevelooment 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.











**※** 자 0

"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 ultramodem 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.

#### 035<sub>A</sub> BanPo Xi

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













#### 037<sub>A</sub> HanKang Xi

Location: Seoul, Korea
- Housing units: 656
Project period: 2000. 05 ~ 2003. 04

#### 038<sub>A</sub> Heights Xi

Location: Busan, Korea - Housing units: 1,149 Project period: 2004. 12 ~ 2008. 03 039A YangJu Xi Location: Kyungkido, Korea - Housing units: 4,902 Project period: 2003. 05 ~ 2006. 04

#### 040A ChungAm Xi

Location: Seoul, Korea - Housing units: 170 Project period: 2003. 07 ~ 2005. 08







## 041A HanKang Bamsum Xi

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

#### 042A SongDo Xi Harbor View

Location: Inchon, Korea - Housing units: 1,069 Project period: 2007. 07 ~ 2011. 02



#### 043A Haeundae Xi

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



#### 044a Yeonji Xi ||

Location: Busan, Korea - Housing units: 1,011 Project period: 2008. 06 ~ 2011. 05

#### 045A Cheongdam Xi

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

# 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.







- Housing units: 580 Project period: 2004. 12 ~ 2008. 04

#### 047A YongSan Park Xi

Location: Seoul, Korea - Housing units: 310

- Studio: 995 Project period: 2002. 08 ~ 2005. 12



049<sub>A</sub>



#### 048A Boutique Monaco

Location: Seoul, Korea - Housing units: 172 Project period: 2005. 05 ~ 2008. 07 049A Mukdong Xi

Location: Seoul, Korea - Housing units: 411 Project period: 2007. 10 ~ 2010. 12



#### 051<sub>A</sub> Sin-chon Xi ella

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

#### 052<sub>A</sub> Yeonhui Xi ella

Location: Seoul, Korea - Housing units: 186 Project period: 2012. 07 ~ 2014. 01

#### 053A The City Seven Xi

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

#### 050A Mecenatpolis

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





# 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.

#### 054A 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

#### 055A Midan City

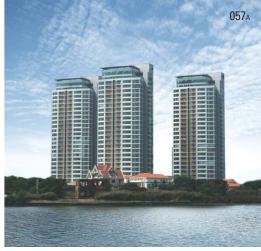
Location: Incheon, Korea

- Site area: 1,829,945 m2
- Total floor area: 1,536,430 m²
- Purpose: New Town

(Residential, Commercial, Offices, Hotel) Project period: 2008 ~ 2020









#### 056A GS Metrocity Long Binh(Q9)

Location: District 9, Ho Chi Minh City, Vietnam

- Purpose: New Town(Residential, Commercial, School, Culture) Project period: 2014 ~ 2020

#### 057A Xi Riverview Palace

Location: District 2, Ho Chi Minh City, Vietnam

- Site Area: 17,209 m<sup>2</sup> - Total Floor Area: 73,099 m<sup>2</sup>

- Purpose: Residential

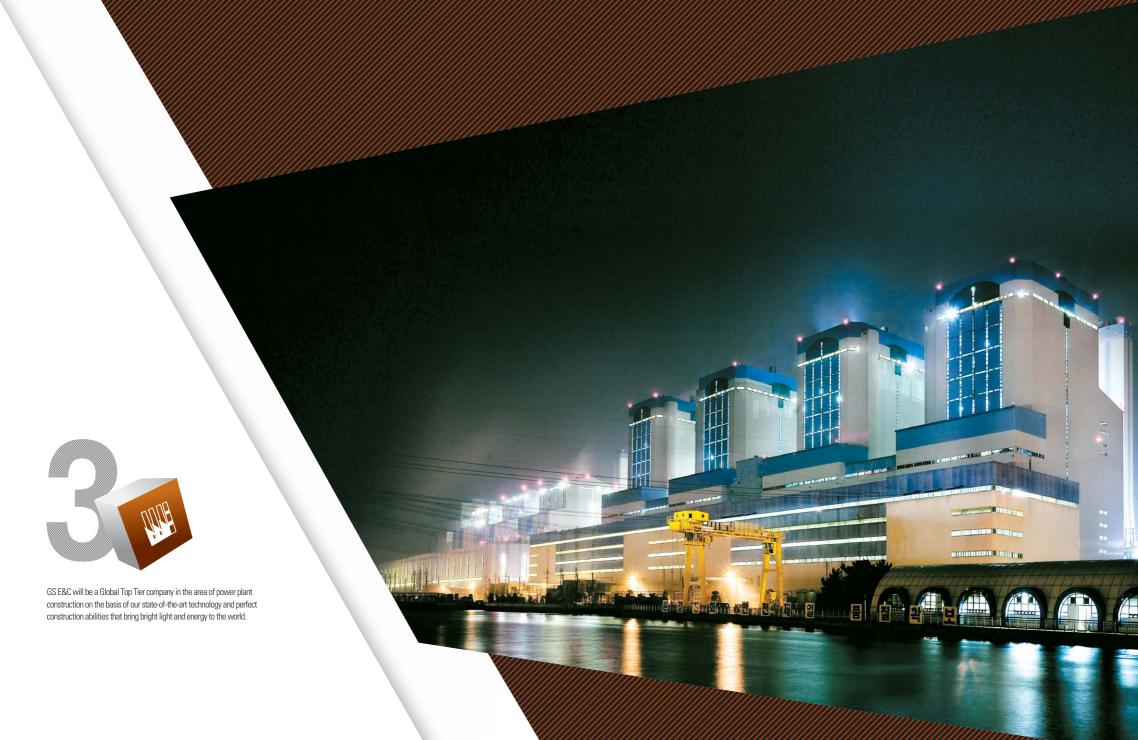
Project period: 2008 ~ 2011

#### 058<sub>A</sub> MecenatPolis

Location: Seoul, Korea

- Site area: 37,309 m² - Total floor area: 294,613 m²

- Purpose : Mixed-use Complex(Residential, Commercial, Office, Culture) Project period: 2008 ~ 2012



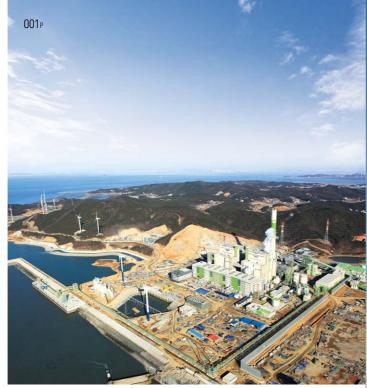
# Combined Cycle/ Thermal Fired/ Nuclear Power Plant Renewable Energy

#### 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 composite thermal power plants in Bugok, #5 and #6 thermal power plants in Taean, #7 and #8 thermal power plants in Dangjin and #1 and #2 power plants of the Incheon composite thermal 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 ARABIAN, Kais CCPP in Algeria strengthening its status as a global EPC constructor in the overseas power generator markets.

In the nuclear energy field requiring advanced technology and thorough quality control, GS E&C has participated in the construction of the #1 and #2 Shin-Wolsong power plants and the #1 and #2 Shin-Hanul power plants enhancing our competitiveness in the nuclear energy business.







#### 001P Yeongheung Coal Fired Power Plant(Unit5 & 6)

Location: Yeongheung, Korea -870MW×2

Project period: 2011. 04 ~ 2014. 12

#### - GasTurbine 180MW × 2

Location: Bugok, Korea - Total 550MW

- Steam Turbine 190MW×1

Project period: 1997. 05 ~ 2001. 04

002P GS EPS LNG Combined Cycle

Power Plant(Unit 1)

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

003<sub>P</sub>

Location: Incheon, Korea

- Total 500MW

- Gas Turbine 160MW × 2

- Steam Turbine 180MW×1

Project period: 2007. 03 ~ 2009. 06









#### 004P Dangjin Coal-Fired Power Plant(Unit 7 & 8)

Location: Dangjin, Korea - Total 500MW×2

Project period: 2003. 12 ~ 2007. 12

#### 005P 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

# OO6P Barka3 & Sohar2 IPP Project(Oman)

Location: Oman

- Total 1,500MW(750MW × 2)

- Barka 3IPP(750MW)

- Sohar 2IPP(750MW) Project period: 2010. 06 ~ 2013. 03

#### 007P Taean Coal Fired Power Plant(Unit 5 & 6)

Location: Taean, Korea

- Total 1,000MW

- Steam Turbine 500MW × 2

- Boiler 1,690T/H×2

Project period: 1997. 11 ~ 2002. 09



#### OO9P Shin-Wolsong Nuclear Power Plant(Unit1 & 2)

Location: Gyeongju, Korea - 1,000MW×2

Project period: 2003. 07 ~ 2013. 01

#### 010P Shin-Ulchin Nuclear Power Plant(Unit1 & 2)

Location: Uljin, Korea - 1,400MW×2 Project period: 2010. 04 ~ 2017. 04

# O11P Youngheung Wind Power Center

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







#### 008<sub>P</sub> Yerevan Combined Cycle Power Plant

Location: Yerevan, Armenia

- Total 230MW

- Gas Turbine 167MW  $\times$  1 - Steam Turbine 63MW  $\times$  1

Project period: 2007. 12 ~ 2010. 04

# 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 IRROAA 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 including Annaba Tramway project in Algeria.

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.

#### 012P Saudi IRRQAA 380kV OHTL Project

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







# 013P Bangladesh Bibiyana~Kaliakoir 400kV Transmission Line Project

Location: Bibiyana-Kaliakoir, Bangladesh - 400kV Transmission Line 170km(2 Line) - Steel Tower 410 Set Project period: 2012. 1 ~ 2014. 07

#### 014P 345kV Underground Transmission Line Project

Location: Paju, Korea

Project period: 2008. 10 ~ 2011. 11

EPC Turn Key: - 345kV Underground Cable: 4.1km - 345kV OHTL: 1.16km ( Tower 4 Set)

- 154kV OHTL: 0.3km (Tower 2 Set)

#### 015P 154kV & 345KV Substation at Paju LCD Complex Project

Location: Paju, Korea - 345kV GIS Substation - 154kV GIS Substation

Project period: 2004, 03 ~ 2009, 03



# 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.

- Mokpo Grand Bridge
- 2nd Namhae Grand Bridge
- Pohang-Yeungilman Port South breakwater Construction
- Vam Cong Bridge Construction Project, Vinh Thinh Bridge, Quy Cao Bridge (Vietnam)
- Doha Link Project (Kuwait)
   Ruwais Refinery Expansion Project-PKG7
- PTT LNG Construction (Thailand)
- Puerto Princesa Airport Development Project (Philippines)



#### 001<sub>I</sub> Baekseok Bridge Location: Incheon, Korea

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

#### 002<sub>I</sub> Yeosu Grand Bridge

Location: Yeosu, Korea

- Total Length 1.95km
- 4 Lanes

Project period: 2007. 11 ~ 2012. 10

#### 003<sub>I</sub> Mokpo Grand Bridge

Location: Mokpo, Korea

- Total Length 4.1km
- Cable-Stayed Bridge 900m
- 4 Lanes

Project period: 2004. 11 ~ 2012. 12



#### 004<sub>I</sub> Seohae Grand Bridge

Location: Dangjin, Korea - Total Length 4.08km

- 6 Lanes Project period: 1993. 11 ~ 2000. 12

#### $005_{\mathrm{I}}$ Vam Cong Bridge

Location: VamCong, Vietnam - Total Length 2.97km

- Cable-Stayed Bridge 870m

Project period: 2004. 11 ~ 2012. 12



#### 006<sub>I</sub> 2nd Namhae Grand Bridge

006<sub>I</sub>

Location: Gohyeon, Korea

- Total Length 3.1km, 4 Lanes - Suspension Bridge 990m Project period: 2009. 10 ~ 2016. 09

# 007<sub>I</sub> Gyeongin Ara Waterway Section No. 3 Bridge

#### Location: Incheon, Korea

- Bridge Length 1.1Km (PSC Box Girder) Project period: 2009. 06 ~ 2011. 12



008<sub>I</sub> Ruwais Refinery Expansion Package No. 7 Marine Facilities

- 3 Berths(800m), Loading Arms, Pipelines

Project period: 2009. 12 ~ 2014. 01

Location: Ruwais, UAE

009<sub>I</sub> PTT LNG Marine Facilities
Location: Map Ta Phut, Thailand

- Intake & Outfall Facilities

- Jetty(437m)

- Jetty(4.4km)



010<sub>I</sub> Yeosu Crude Oil 3rd Port Location: Yeosu, Korea

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

# 011<sub>I</sub> Incheon LPG Unloading Facilities

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

 $011_{\rm I}$ 

#### 012<sub>I</sub> Pohang-Yeungilman Port South breakwater Construction

Location: Pohang, Korea - Concrete-Caisson Breakwater 500m (14 blocks, 112,000ton) Project period: 2011. 06 ~ 2013. 11

# Project period: 2008. 02 ~ 2011. 06 $009_{\rm I}$





# 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

- Seoul-Busan High Speed Railway, Uijeongbu Light Railway Transit, Yeongjong Island Magnetic Levitation Train
- 3rd National Expressway on NH-2, Surat -Manor Tollway Pkg. No.2, 2nd National Expressway HR-1, Ahmedabad-Vadodara Expressway Ph-2 (India)
- Tan Son Nhat Binh Loi Outer Ring Road. Hanoi-Haiphong Expressway PKG-6&7 (Vietnam)
- Downtown Line No. 2 C911, C913, C925, C937 (Singapore)
- HCMC Urban Railway Construction Project Line 1 CP2 (Vietnam)
- Doha Metro Red Line South Project (Qatar)







#### 013<sub>1</sub> Seoul-Busan High Speed Railway

Location: Okcheon, Korea

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

# 014<sub>I</sub> Yeongjong Island Magnetic Levitation Train

Location: Incheon, Korea - PSC BOX Girder: 6.11km

Location: Namvangiu. Korea - 6 Stations, 1 Depot Project period: 2010. 03 ~ 2012. 09

#### - Total Length 9.5km, 15 Bridges(1.97km)

015<sub>I</sub> Electrified Double Track

Railway in Jungang Line

(Cheongnyangri-Deokso Sec.)

Project period: 1997. 10 ~ 2006. 06

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# 016<sub>I</sub> Uijeongbu Light Railway Transit

Location: Uijeongbu, Korea

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

016<sub>T</sub>



#### 020<sub>I</sub> 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

# 022<sub>I</sub> Tan Son Nhat - Binh Loi Outer Ring Road

Location: Ho Chi Minh, Vietnam

- Total Length 13.7km, 12 Lanes
- Nielsen Arch Bridge

Project period: 2008. 07 ~ 2016. 06







# 019<sub>I</sub>

# 018<sub>I</sub> Expressway No. 45 (Hyeonpung-Gimcheon

Location: Gimcheon, Korea

- Total Length 28.8km, 4 Lanes
- 32 Bridges(6.05km)
- Project period: 2001. 12 ~ 2009. 08 - 4 Tunnels(7.7km) Project period: 2001. 12 ~ 2007. 12

017<sub>I</sub> Expressway No. 30 (Daejeon - Dangjin Section)

Location: Dangjin, Korea

- 12 Bridges(7.62km)

- 6 Tunnels(3.74km)

- Total Length 36.1km, 4 Lanes

#### 019<sub>I</sub> 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<sub>I</sub> HCMC Urban Railway Construction Project Line 1 CP2

Location: Ho Chi Minh City, Vietnam - Total Length 17.2km, 6 Bridges

- 11 Stations
- depot area 210,000 m2
- Project period: 2012. 07 ~ 2017. 01



# 024<sub>I</sub> Downtown Line Stage2 C911

Location: Singapore

- Depot
- Site area: 300,000 m²
- Facilities: road, drain
- 24 buildings

Project period: 2009. 03 ~2015. 07

#### **Downtown Line** Stage2 C913

Location: Singapore

- 1.65km, 1.23km Slury Type TBM (⊅5.8m) 1.38km
- 2 Stations Project period: 2009.08 ~ 2015.07

#### **Downtown Line** Stage3 C925

Location: Singapore

- 1 Stations (Tampines East Station) Project period: 2011. 07 ~ 2018. 06

#### **Downtown Line** Stage3 C937

Location: Singapore

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

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

Location: Seoul. Korea

- Total Length 2.0km

- 2 Stations

026<sub>1</sub>

Project period: 2001. 12 ~ 2009. 08

# 026<sub>I</sub> 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. 25 ~ 2014. 6. 30

#### 027<sub>I</sub> 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  $027_{\rm I}$ Project period: 1999. 12 ~ 2011. 12

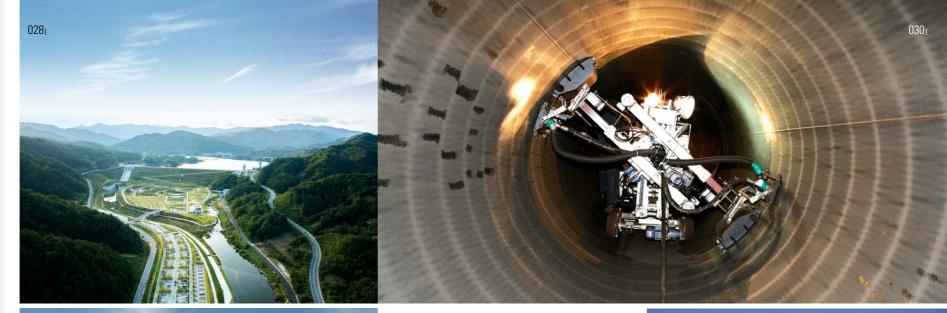
# Industrial Complex, Dams, River Maintenance

# **PLANE -** Fundamental element of shape and space

GS E&C°Øs 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°Øs 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

- Buhang Multi-Purpose Dam
- Cheonggye Stream Restoration
- Gunjang National Industrial Complex, Soft Soil Improvement for HOU Project in Yeosu Industrial Complex
- Four Major Rivers Restoration Project







#### 028<sub>I</sub> 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<sub>I</sub> Gulpo Drainage Canal

Location: Incheon, Korea

- Canal(L = 4.7km, W = 80m)

- Road(11.24km)

Project period: 2005. 05 ~ 2012. 02

#### 030<sub>I</sub> Seoul Metropolitan Area Water-Supply System Rehabilitation, Phase 1

Location: Seoul, Korea

- Total Length 53.9 km Project period: 2008. 07 ~ 2012. 03

# 031<sub>I</sub> Cheonggye Stream Restoration

Location: Seoul, Korea

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

# 032<sub>I</sub> Gunjang National Industrial Complex

Location: Gunsan, Korea

- Area: 1.9mil.m²
- Earthwork: Dredging & Reclamation(15.0mil. m³)
  Project period: 1997. 07 ~ 2004. 12



# 033<sub>I</sub> Ecological Improvement in Geum River

Location: Buyeo, Korea

- Location Buyen, Noted

   Multifunctional Barrage(L=680.0m, H=5.0m),

   Earthwork: Dredging & Reclamation(3.06mil.m²)

   Waterpower Station

  Project period: 2009. 11 ~ 2012. 07

# $034_{I} \ \ \mbox{Yongsan-River Estuary Improvement} \\ \mbox{Construction No. 1 Project}$

Location: Damyang, Korea

- Tidal Gate(480m)
- Bridge 3 nos(795m)
   Nature-Friendly Aqueduct

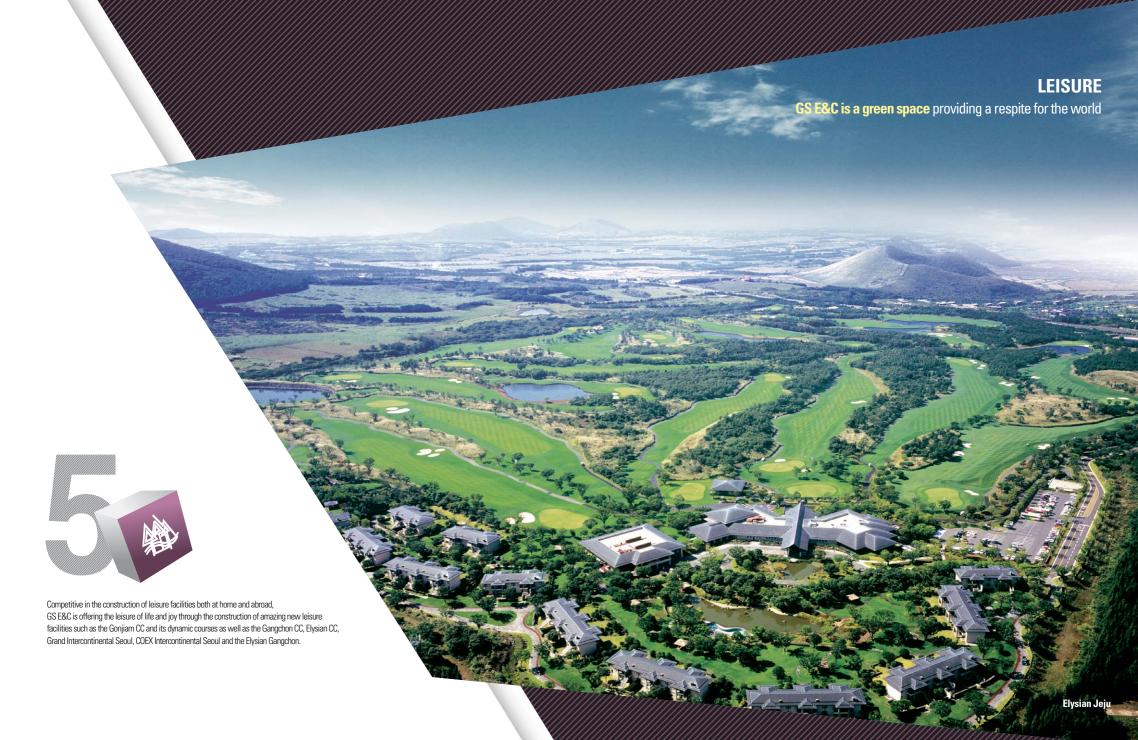
Project period: 2010. 04 ~ 2015. 02

# 035<sub>I</sub> 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



# 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.











#### 001<sub>L</sub> Elysian Jeju

Location: Jeju, Korea - Lot area: 1,752,074 m²

- Project area: 1,586,784 m²

- Main Facilities: Golf course/Club house Project period: 2002. 11 ~ 2005. 07







## 003L Alpensia Resort

- Location: Kwangwondo, Korea
- Total area: 151.800 m²
- Main Facilities: Hotel/Condominium/ Water park Project period: 2007. 01 ~ 2010. 12

#### 004L Grand Intercontinental Seoul

Location: Seoul. Korea

- Total area: 128.254 m²
- 33 stories with 597 rooms Project period: 1987. 07 ~ 1989. 04





008L

















#### 002L Elysian Gangchon

Location: Kwangwondo, Korea - Total area: 60.615 m² - Main Facilities: Golf course/ Ski course/Condominium Project period: 1999. 11 ~ 2002. 11



#### 005L Laguna Hue Angsana Resort Location: Vietnam

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

#### 006L Vietnam Haiphong Sunflower

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

#### 007<sub>L</sub> Konjiam Resort Location: Gwangju, Korea

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

#### 008L COEX Intercontinental Seoul

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

# **Major References**

Underground Spaces Seoul Subway Lot No. 5-35(Wangshipri Station) U-1-1 Oil Storage South Oil Storage at Metropolitan Area Jeongreung Water Tunnel Incheon Subway Lot No. 1-13 / Seoul Subway Lot No. 6-10 Seoul Subway Lot No. 904 / Seoul Subway Lot No. 301 Seoul Subway Lot No. 705 / Seoul Subway Lot No. 917 Incheon Metropolitan railway 205 sector Construction Singapore downtown Line2 C913 Shinbundang Line Extension PII Project Singapore downtown Line3 DTL3 C925, C937 Jonggak station improvements construction Dohong-Nowon-Hijennahu nower line construction

Roads, Bridges & Railroads Incheon-Ansan Highway Honam Highway Expansion (Lot No.8) Seoul Outor Ring Expressway (Lot No.1-17) Daegu-Chuncheon Highway Kyeongbu Highway Expansion(Suwon-Chungwon) West Sea Grand Bridge (Lot No.2) Hongseong-Galsan highway Northern Lirhan Hinhway Balan-Banwol Highway Cheonan-Nonsan Highway (Lot No.3,4) .lenniu-Gui Hinhway Illiin- lukhvenn Hinhway Daegu-Pohang Highway Donghae-Jumunjin Highway Jukbyeon-Bukmyeon Highway Highway Expansion (Busan-Eonyang Lot No. 3) Iksan-Jangsu Highway (Lot No. 5) Hyunpung-Kimcheon Highway (Lot No. 1,3,6)

Duksan-Yesan Highway

Seoul Outer Ring Expressway (Lot No.4,6) Busan- Ulsan Highway (Lot No. 6)

Daejeon- Dangjin Highway (Lot No. 4,5,6,7) Incheon Grand Bridge Sangjoo Bypass Yeojoo~Yangpeong Expressway Sector 4
Ulsan National Industrial Complex Connection Road Mokpo Grand Bridge Hanoi-Haiphong Expressway Sector 6,7 Yeosu National Industrial Complex Access Road/Cable-staved Bridge) Section No.1

Highway No. 25(Namcheon-CheongDo, Gomtijae) TBO Highway Jungan IC Section 1 road construction

The Road Construction Works for Sillim - Bongcheon Tunnel (Section No.2) Seoul-Munsan Highway

Section 3 of Samcheok Tonghae Expressway

National Road Construction of Gohyeon ~ Hadong IC 2 Penetration Road construction of Sonodo International business center

Gwangjoo-Wonjoo Expressway Sector 5 Sangjoo-Youngcheon Expressway Sector 6

Goori-Pocheon Expressway Sector 7 Gwangyang Bypass
Vinh Jhinh Bridge(Vietnam)

Vinh I hinh binge/Vetham)
Seoul-Busan High Speed Railroad(Lot No. 6-5)
Gwangyang Iron and Steel Mill Construction
Jungang Railroad(Dieongyangri- Deokso)
Okoheon-Jitan Railroad
Seoul-Yuju (Lot No.4)

Seoul-Yuju (Lot N0.4) Seoul-Chunchen Railroad (Lot No. 7) Jingu- Gwangyang Double Track Line (Lot No. 5) Ujjeongbu Light Railway Transit Universal Unique Urban Magley Taeback jaecheon-Ssangyong Double Track Line aeback jaecheon-Ssangyong Double Track Lin Jeoul-Rusan High Speed Railroad(Lot No. 6-4A

Honam high speed rail section 5-3 Dong Hae(pohang-samcheck) railway section No.2 DAEGU Metropolitan Rail Road Line3 section2 Singapore Depot C911 Choji Grand Bridge-Inchon Sector 2-2 Road Construction Suseo-Pyeongtaek High Speed Railroad(Lot No. 9) Honamsun Hamyeol-Hwangdung Dongyun Railroad Crossing Construction Bosung~Imsungri railway sector 7 Sooseo~Pyeongtaek high-speed railway sector 3-2 Wonjoo-Gangneung railway sector 7 HCMC MRT Line1 CP2(Vietnam)

Harbors & Dams Port Bridge at Gwangyang LG Chemical 100.000 DWT Private Jetty Construction Incheon LPG Vessel Jetty Yeocheon GS-Caltex Vessel Jetty Gwangyang Harbor Pyeongtaek-Dangjin Car Carrier Port No.11 & 12 Dredging of Soil Wastes at Incheon North Port Port of Sokcho Construction Pyeongtaek-Dangjin Sea Lane Dredging and Port UI-San New Port Construction (No 6 Terminal) Buhang Multipurpuse Dam Ruwais Refinery Expansion Project-PKG7 PTT LNG Jetty(Thailand) Pohang-Yeungilman Port South breakwater

Estate & Development Gunjang National Industrial Complex Cheonggye Restoration(Lot No. 2) Paiu I CD Industrial complex Incheon Free Economic Zone Yeong-jong Sky City Sector 2,3 Seokmoon National Industrial Complex Sector 1,4 Kyungin Waterway Sector3 Gwangyang Port Western Hinterland Phase 1 Incheon free economic zone in cheongna district 2nd section Ecological River Improvement in the Kum River in Section 6 (Cheong Nam)
Construction of the Nakdong River restoration Project - Section 18 Youngsan River Dam Structure Repair Project 1 Section Busan Jinhae Free Economy Zone Development Project 1 Section Busan New Port Ungdong District Section No.1-1
Parcel 2B-2 land development utilities, infrastructure The construction work of Hwaseong-Dongtan(2) Housing Estate Development Project(2-1section) Hwaseong city urban infrastructure section 1 Yedang Industrial Complex

LG Twin Tower / GS Tower
Korea Industrial Complex Corporation Venture Center
Hung Kuk Life Insurance Simmunno Office
KPC Tower Embassy of the Republic of Korea to Iran LIG Gangnam Tower / LG CNS IT Cente ess Facility eration Head Office t / IFC Seoul

Educational, Research & Medical health care Saudi Imam University / LG Inhwawon Sangnam hall, Yonsei university Hall of Korea, Korea university KT Institute Center Institute of Technology, Hanyang University LG Chemicals Institute of Technology Dongkuk Buddhism general Hospital Ulji University Dunsan Hospital Uijeonobu St.Mary's Hospital LG Gasan R&D Complex Nongshim R&D Center LG Pyeongtaek Digital Park / Seoul Techno Park LG Electronics. Seocho R&D Campus / LIG Ingenium

Cultural, Leisure & Sports Facilities Gyeongnam Cultural Art Hall Saudi Imam University Sports Complex Wonju Chiak Cultural Art Hall Pohang Cultural Art Hall LG Art Center Coex Convention Center & Asem Tower Korea Electric Power Corporation Cultural hall New Juan church Bundang Somang church Gimhae Culture and Art Center Duckyang Culture and Sports Center 3.15 Art Center

Clean room & Industrial Facilities Busan Hopo Vehicle Terminal Samwha Paper Factory Shinseosan 765kV Substation Project Heesung Elec. Daegu Factory 2 Yuhan Pharmaceutical Corp. Ochang Factory n Poland station iu GMP factory Dangjin Factory io Park

emodeling partment Store. Guri (Ex-GS Square. Guri) heonggak remodeling West-South Zone Agriculture and Fishery Market Remodeling Yongsan Electronic Land Remodeling Anyang Station
The Export-Import Bank of Korea Remodeling Daebul Free Trade District Namchon Leadership Center Southeastern Seoul Distribution Center

Resort, Golf course, Hotel Grand Intercontinental Hotel Goniiam Country Club / Guam Ladera Tower COEX Intercontinental Hotel / Daegu Park Hotel Gangchon Resort / Elysian Country Club

Seungsan Sandoine Club House Gonijam Resort / Alnensia National Safety Experience Theme Park

Anartment BanPo Xi / HanKang Xi / GaePo Xi SeoCho Xi / BangBae Xi / HwangSil Xi DouGok Rexle / CheongAm Xi / MunRae Xi MaPo Xi / Heights Xi / SongDo XI Harbor View Ilsan Xi / MookDong Xi / YoungJong Xi Cheongla Xi / Poil Xi / Bamsum Xi / Gwangjang Xi HaNam Xi / SuJi Xi / Yongln Xi YangJu Xi I-III / SinBong Xi I,II / JukJeon XI I,II MetroCity I-V / DongSuwon Xi I.II / SinSanbon Xi I.II Yongln SuJi LG Village I-VI / Ilsan DaeWha LG Village Xi Riverview Palace / Haewoondae Xi

Studio apartment / Residential complex SeonReung Eclat / YokSam Eclat / Bundang Eclat I,II Yeouido Eclat / SeoCho Eclat / Incheon Airport Eclat HanKang Eclat / YongSan Park Xi / Yeouido Xi

Boutique Monaco / The City Seven Xi / Chungmuro Xi Merenatrolis / Sin-chon Xi ella / Yeonhui Xi ella

Oil & Gas Azerpetrochim CDU/VDU Project (Azerbaijan) GS- Caltex RFCC Project (Korea) S-Oil BCC Phase-I Project (Korea) S-Oil BCC Phase-II Project (Korea) TPI LBOP Project (Thailand) Shantou LPG Terminal Project (China) TPI 150,000BPSD Refinery Project (Thailand) CPC RFCC Project (Taiwan) KNPC GOD Project (Gas Oil Desulfurization) (Kuwait) NODCO Refinery Expansion Project (Qatar) Noor Abad Compressor Station (Iran) Catalytic Dewaxing Project (India) KNPC OCR Revamp of ARDS Unit Project (Kuwait) Tupras Izmir DHP Project (Turkey) Izmit DHRP Project (Turkey) GS- Caltex No.2 HOU (Koreal) Kirikkale DHP-CCR Project (Turkey) POGC South Pars Gas Field Development Phase 9&10 (Iran) No.4 CDU Debottlenecking (Korea) Laffan Condensate Refinery Project (Qatar) Salalah Methanol Project (Oman) PTT LNG Project (Thailand) Green Diesel Project (UAE) GS-Caltex No.3 HOU (Korea) Ruwais 4th NGL Train Project (UAE) Saih Nihayda Depletion Completion Phase-1 Project (Oman) Ruwais Refinery Expansion Pkg. 2 Project (UAE)

No.3 LPG Project (Korea) Used Lube Oil Rerefining Project (Indonesia) Methanol Tank Terminal (YKK) (Korea) LNG Terminal Projects (Korea) ERC Refinery Project (Egypt) Black Gold Oil Sands Project (Canada) Nghi Son Refinery & Petrochemical(NSRP) Project (Vietnam) Karbala Project (Iraq) Rumaitha/Shanayel Facilities Phase III Project(UAE)

retrouterilloai 3rd Train PExpansion Project (Indonesia) TPLEBSM Plant Project (Thailand) Tianjin PVC Project (China) TPC VCM Expansion Project (Thailand) LG-Dow Polycarbonate Project (Korea) LG Chem., VCM-II Expansion Proejct (Korea QP LAB Project (Qatar)

E-LAB Project (Egypt) Sohar Aromatics Project (Oma HMC PP Project (Thailand) LPC-NC Project (Korea) LG Chem., 40,000 MTPY Acrylic Fiber Project ( No.2 PA Project (Indonesia) No.3 PA Project (Indonesia)

Eosilon PP Proiect (USA) Paniin PVC Project (China) Beijing No.2 PVC Project (China) No.4 DNT Project (Korea) SNDC-1 Project (Oman) IRPC Propylene Project (Thailand)

Power & Energy Incheon LNG Terminal Project(Korea) Korea Electric Power, Ilsan Combined Cycle Power Plant (Korea) GS EPS Bugok Combined Cycle Power Plant(Unit1 & 2) (Korea) Korea Electric Power, Taean Coal-Fired Privier Plant (Phase 5 & 6) (Knrea) Korea Electric Power Inchenn Combined Cycle Power Plant(Phase #1) (Korea) Dangjin Coal-Fired Power Plant(Unit 7 & 8) Korea Electric Power, Incheon Combined Cycle Power Plant(Phase #2) (Korea) Incheon Combined Cycle Power Plant(Phase #2) (Korea) Yerevan Combined Cycle Power Plant Shin-Wolsung Nuclear Power Plant(Unit1 & 2) Barka3 & Sohar2 IPP Project(Oman) Yeongheung Coal Fired Power Plant(Unit 5 & 6) Shin-Uljin Nuclear Power Plant(Unit 1 & 2)

Waste treatment & Recycling The 1st landfill site of the Metropolitan Area LG.Philips LCD P4-P6 Mapo Municipal Solid Waste Treatment Plant Daeieon Incineration Plant No.2 Jecheon Municipal Solid Waste Treatment Plant Cheongju Municipal Solid Waste Treatment Plant Masan Municipal Solid Waste Treatment Plant Eunpyung MSW Management System Dalseong Industrial & Municipal Solid Waste Treatment Plant Chungju Municipal Solid Waste Treatment Plant Daegu Sewage Sludge Treatment Plant Hwaseong Municipal Solid Waste Treatment Plant Gumi Municipal Solid Waste Treatment Plant Haengbok-City MSW Automation Collecting System Geoje Municipal Solid Waste Treatment Plant

Water & Sewage, Wastewater Treatment Xongjiang central Sewage Treatment Plant (china) Kimhae Sewage Treatment Plant LG.Philips LCD P7 Jeonju Advanced Sewage Treatment Plant Osong Wastewater Treatment Plant Jeju Advanced Sewage Treatment Plant Osan Sewage Treatment Plant No.2 Ilsan Advanced Sewage Treatment Plant Namgangdam Upper Stream Sewage Treatment Suyoung Sewage Treatment Plant

BAPCO Wastewater Treatment Plant/Bahrain

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#### Vietnam

GS E&C Corp, Ecuador Branch 31-81 Polonia and Vancouver, Quite, Ecuado

Fax: 39-02-9768-7634



# 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.

The Power to Create a Splendid World! We are the Global First & Best GS E&C.