#### **GLOBAL BEST & FIRST**





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# Global GS E&C

# Friendship is...

Expanding the size of the world and broadening the depth of your emotion. Global Corporation, GS Engineering & Construction Co. is leading us to a world of warmth filled with amazing new sights.







#### **CEO's Message**

# I would like to thank the customers who have supported GS E&C from the bottom of my heart.







Global best & first

Since 1969 when GS E&C was founded, the company has grown into Korea's best construction expert on the strength of a balanced business portfolio that includes industrial plants, electric power generation and environmental, civil engineering, architecture and housing projects.

We are taking the first steps in securing momentum for new growth. So early this year, our company announced Vision 2020, a new milestone for sustainable growth.

Based on our mid-to-long-term strategy, GS E&C will further strengthen its grip on the market through enhanced competitiveness in our existing main business sectors and put more emphasis on boosting our power of execution. We are working hard to achieve our new mid-to-long-term targets by effectively investing in new growth engine projects that are expected to make profits for the future.

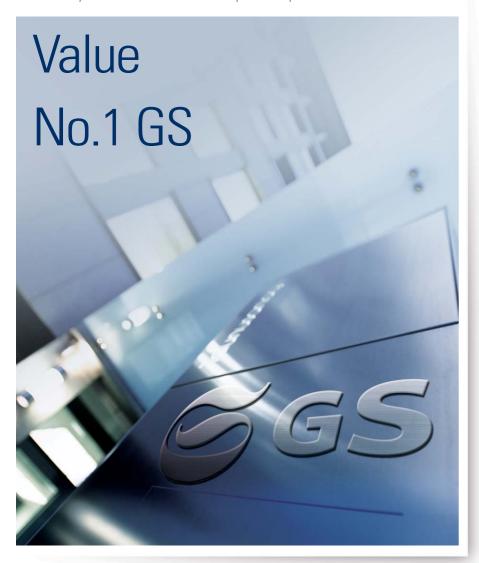
In this way, GS E&C will lead the domestic construction culture while making every effort to nurture global talent and secure world-class technologies for the purpose of our development into a top-ranked global company among world-class constructors.

Once again, I would like to extend my deepest gratitude to our customers for having interest in and affection toward GS E&C and our company will do whatever it must to become your best business partner for providing total construction solutions for whatever challenges you face. With our spirit of innovation and GS E&C's continued development we are putting customer value above all else.

Thank you.

CEO | Myung-Soo Huh / 5. /f-

Securing Top 5 Status in the Financial World, And the No. 1 position in corporate preference, GS is society's and the customer's most respected corporation!



#### **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 a sustainable growth.



#### **Symbol**

Our symbol represents dynamism in the construction and energy sectors and growth and vitality in the distribution and service sectors

Orange: Energy, Dynamism, Sun & Passion

Green: Environment, Ground, Unlimited Potential, Growth, Determination & Regard

Blue: Leadership, Excellence, Solidity, Sky & Creativity

#### Logo

Our logo represents the determination of GS Group to ensure Good Service, Great Satisfaction, Great Solutions and Great Success.

#### **GS Group**

#### GS E&C GS Holdings

GS Caltex (Petroleum)

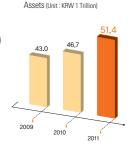
GS Retail (Convenience Stores, Supermarkets)

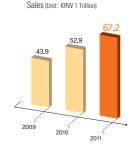
GS Shop (Online Shopping, Home Shopping)

GS EPS (Power Plant & Development)

GS Global (Cement, Energy, Steel, Plant & Machinery, Distribution)

GS Sports (Pro Soccer-FC Seoul)





A great leap toward the Global Top Tier GS E&C is emerging as a world-class corporation under the Vision 2020 strategy!

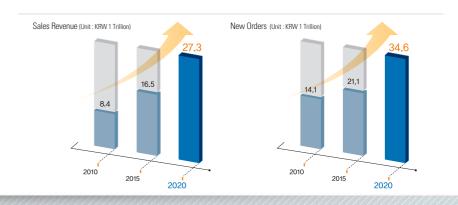


#### **VISION & CORE VALUES**

GS E&C has commenced its great leap towards its emergence as a global Top Tier construction company that extends beyond the borders of Korea!

With the superior "Vision 2020" strategy guiding our way, we will reach our goal of emerging as a Top Tier company by 2020 and stand on high as the company that provides the best value for our customers.





GS E&C is taking a leap toward becoming a Great Company on the strength of our sustainable management system!



#### Sustainability management

The company joined "DJSI World in 2010 and 2011 and is highly recognized in terms of sustainable management at home and abroad.

#### **Sustainability management**

Objective

GS E&C intends to become a global top-tier business by continuously internalizing sustainability management. In 2010, GS E&C organized the Sustainability Management Taskforce involving many departments so as to designate different areas of activities and to establish the strategy for company-wide sustainability management.

Strategy

Taking sustainability management as a growth engine, GS E&C established strategy linked with its core values (Great Innovation for environment, Great Challenge for economy, and Great Partnership for society). GS E&C is carrying out tasks based on strategic direction of establishing low-carbon green management system, developing new business based on core strengths, and expanding stakeholder communication. We will continuously educate our employees to increase their awareness.

Our sustainable management system sets progressive strategic directions in line with the core values of our company which in turn will lead to the attainment of our vision. We will pursue growth for the future through the creation of value for our stake holders and have initiated 9 detailed tasks.

#### Sustainability management strategy

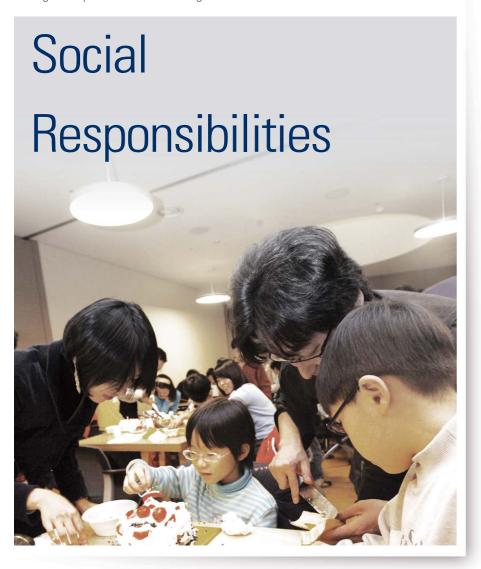
Pursuing growth through the mutual creation of value with our stakeholders

Strategic direction	Environment	Economy	Society	
	Establish low-carbon green management system	Develop new business based on core strengths	Expand communication with stakeholders	
Detailed strategies	Advance environmental management	Reinforce risk management	Lay out foundation for shared growth	
	Reinforce the capability to carry out green business	Innovate business competitiveness	Establish advanced corporate culture	
	Respond to climate change	Develop new business	Reinforce safety management	
Core values	Great Innovation	Great Challenge	Great Partnership	

#### 1) Dow Jones Sustainability Index; DJSI

DJS is a reliable indicator to discern global standard companies by conducting comprehensive evaluation on top 2:500 companies in the world in terms of financial achievement, economic feasibility (corporate governance, risk management and etc.) environmental friendliness (environmentally friendly management and etc.) and sociability (human resources development, corporate civic mind and etc.) in cooperation with SAM, a sustainable management evaluator based in Switzerland.

GS E&C is committed to improving our global operating environments through a corporate focus on sharing!



# SOCIAL RESPONSIBILITIES

GS E&C is creating a better world for all. We endeavor to use ethical, sharing-oriented management in order to add value to society and fulfil our role as a trusted and respected company.

GS E&C's employees are united as one in various volunteer activities that demonstate the company's commitment to sharing and improving the lives of its stakeholders.

#### Sharing-Oriented Management

The Xi Love Sharing Volunteer Group is composed of GS E&C employees. It demonstrates sharing-oriented management through customized volunteer activities that include support for the elderly, improvement of housing environments for the underprivileged, education and scholarship support, flood relief and environmental purification.

#### Co-Existence Management

GS E&C is committed to sustainable partnerships with its stakeholders.

The establishment of the Xi CEO Forum is a fine example of our diversified support, proactive workshop and seminar communications and joint development of new technologies.

#### Ethical Management

Our ultimate reason for being is to emerge as 'a beloved corporate citizen' trusted by both our customers and society on the back of transparent and ethical management. To this end, we are making ceaseless efforts with enhanced education on ethics and strengthened diagnostic activities to internalize an ethical management system shared by all employees.

#### Social Welfare

- Visit and support for the elderly
- Provision of Gimjang Gimchi
- Support for local communities close to domestic construction sites, community volunteer activities and special programs.

#### **EDUCATION & CULTURE**



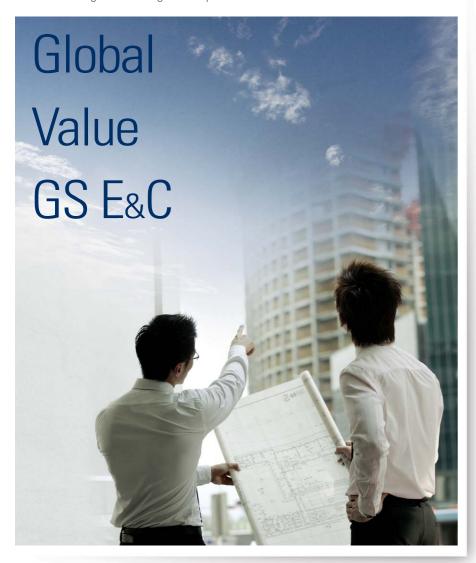
- The Dream & Hope Study Room (Educational support for homes)
- The Pleasant After-School Class
- (Educational support for welfare facilities)
   Scholarship for excellent students from
- low-income families
- Year-End Cultural Events for Children Special programs

#### **E**NVIRONMENT & SAFETY



- Hopeful House Repair Project
- The Dream & Hope Playground
- GS Joint Sharing Project (Green Sharing)
- Flood relief and environmental purification activities in areas close to domestic construction sites

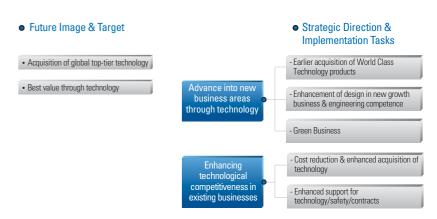
Through Continuous R&D for Value Creation and Persistent Development and Investment, we are defining the meaning of "competitiveness."



# RESEARCH & DEVELOPMENT

GS E&C is continuously investing in R&D to realize the dream and future of the citizens of the world!

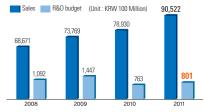
Our Technology Division, the core of competitiveness at GS E&C, aims to secure our future vision as the company that represents the best value for our customers. Through the acquisition of global top-tier technology Vision 2020 will be realized as we make the push to attain mid-to-long term strategies of "Advancing into New Business through Technology" and "Enhancing Technological Competitiveness in Existing Businesses."



#### The Current Status of R&D investment

As a leading company in the construction field, GS E&C has continued to expand R&D investment to seek out and secure future growth engines.

R&D budge	t			
R&D budget	2008	2009	2010	2010
Sales	68,671	73,769	78,930	90,522
R&D budget	1,092	1,447	763	801
Ratio of investment in R&D	1.6%	2.0%	1.0%	0.88%



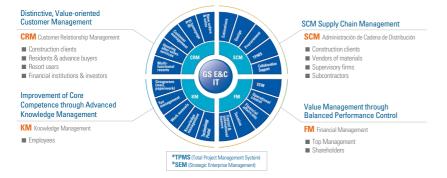
#### **GS E&C Research Institute**

- Environmental Research center I Clean room lab I Housing environment lab I Material Research center I 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

#### **DIGITALIZED SYSTEM**

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

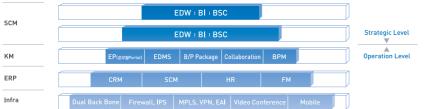
The digital management of GS E&C is divided into relationship management (CRM), supply chain management (SCM), knowledge management (KM) and finance management (FM). CRM is subdivided into corporate customers for the housing, architecture, civil engineering, and plant businesses, and individual resort membership customers. As for SCM, the core of the construction industry, system linkage has been enhanced throughout the entire construction sector through collaboration with clients and partners. Centering on TPMS, a main system in the business management sector and a transparent process, 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 funds 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.



#### **Future Direction**

To enhance operational efficiency, GS E&C has built optimal networks between the Head Office and construction sites, 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) at the strategic level.

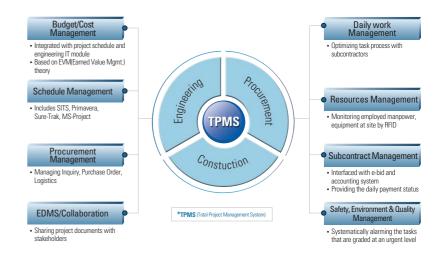
# Offering the Ultimate IT Solutions to Achieve Vision 2020



# ADVANCE MANAGEMENT SYSTEM

#### **Total Project Management System**

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



#### Mobile TPMS

GS E&C has developed Mobile-TPMS which enable construction site personnel with smart phone to fulfill their responsibilities regardless of time and space. 13 screens, including Work Management, Work Instruction, Manpower Management and Site Weather are in use.



# GS E&C BUSINESS AREA

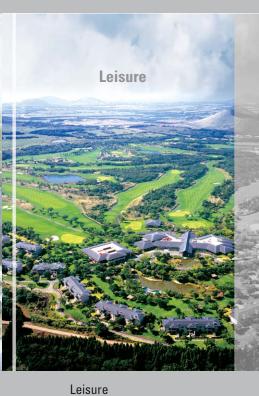












#### Plant

- · Petrochemical
- · Oil & Gas

#### Power Plant

- · Combined Cycle Plant / Thermal Fired Power Plant
- · Co-generation Plant / District Heating
- · Nuclear Power Plant

- Environment · Waste Treatment & Recycling
  - · Water & Sewage
  - · Wastewater Treatment

#### Civil

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

#### Architecture

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

### Housing

- · Apartments
- · Residential Complexes & Studio Apartments

#### Development

- · Resorts
- · Golf Courses & Hotels

# GS E&C HISTORY



















 Lakhee Development Co., the origin of GS E&C, was established

1982

 Awarded U\$ 1 billion Construction Export Tower for overseas construction.

· Established a local incorporation in the U.S.

Construction Co., Ltd. Acquired Certificate of ISO 9001 International Quality Management Standard.

2000

The company's name was changed to LG

 Seohae Grand Bridge received a Presidential Awarded the best business manager prize in (97 construction management Grand Prize) by

The Korea Management Association

Corporation.Standard.

• The Xi apartment brand was launched. Awarded for corporate PR in World Advertisement Grand Prize International Quality Management Standard.

2002

2005

 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.

 Ground-breaking ceremony for the TBO road in Vietnam Ranked No. 1 in the First Brand Grand Prize for

3 consecutive years with 'Xi' APT.magazine.

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

the private sector • Received the 2009 'Most Reliable Korean Corporation Award' hosted by the Korea CEO

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

organization culture 

in the Customer Satisfaction Management sector • Selected as the world's 36th largest constructor by ENR, sectors simultaneously • 2009 Korean Architecture Award - grand prize in a worldwide construction weekly magazine in Europe, • Received the iF Design Award in Germany for 5 years

2011

• 2011 Received the Forbes CEO Award 2011 Received the KRCA (Korea Reader's Choice Award) n the Korea Sustainability Competition

consecutively

• Integrated into DJSI Global Company for 2 consecutive years • Received The Most Trusted Company Award for 3 years in a row

1969 Lakhee Development Co. was established

1975 The company's name was changed to Lucky Development Co. Ltd. 1977 Lucky Overseas Construction Co., Ltd was established.

1979 Lucky Overseas Construction Co. was merged. / Appointed as a housing construction company by the Ministry of Construction.

1981 The company was opened to the public.

Mechanical Engineers.

1983 A joint incorporation of Lucky Development (Arabia) Ltd. was established.

1984 Awarded U\$ 1 billion Construction Export Tower for overseas construction. / A joint company in the U.S., Lucky Development International Inc. was established.

1989 A local incorporation in Saipan, Lucky Development Inc., was established. Vision 21C was established to be 'No. 1 General Developer in Korea' / 「Global General Constriction Company」 1991 Acquired construction license in Japan. / Received a medal of merit for exemplary tax payment on

'1991 Tax Day' | The company history of '20 Years of Lucky Development' was published 1992 Granted a patent for retractable screens for the construction of variable walls in an apartment complex.

/ Appointed as No. 1 Company for disaster prevention among the 30 largest construction companies. 1993 Granted a certificate for the capabilities to build atomic power plant facilities by the American Society of

"Korean-style garbage burning system for medium and small cities" technology acquired KT mark.

A local incorporation in Bangkok, Lucky Thai Engineering Construction Co., Ltd., was established. 1994 Acquired Certificate of ISO 9001 International Quality Management Standard.

1995 The company's name was changed to LG Construction. / The beginning of the year for 'Creation of a new construction culture' was announced. / The company's own supervision team was formed for the first time in

1996 "Goyang-Hwajeong LG APT" was selected in the "Good APT Contest" held by Maeil Economic Daily. Acquired certificate of ISO 14001 Environmental Management System.

1997 "Busan Haewundae LG APT" was selected in the 'Good APT Contest' held by Maeil Economic Daily. "LG Chemica's Daedeok Research Center" was awarded the grand prize in the '97 Korea Construction Culture Grand Prize'.

Awarded in 6 areas including the Top Manager Prize in the '97 Construction Management Grand Prize' held by Korea Management Association Corporation.

1998 "Korea Polymer Building" was awarded in the '98 Korea Construction Culture Grand Prize' LG-HP SUNFLOWER INTERNATIONAL VILLAGE was awarded by Vietnam Haipong People's committee. Appointed one of the 30 superior companies in The 2nd Company Computerization Grand Prize' held by the Ministry of Information & Communication.

1999 LG Construction merged with LG Engineering. I Awarded a grand prize in the APT section in the good companies chosen by female consumers.

of Construction & Transportation. I Seohae Grand Bridge received a Presidential Award. 2001 LG Construction was appointed by The Korea Stock Exchange as the best exemplary company in corporate

The construction work for the expansion of Donghae Expressway was awarded a Presidential Prize. Appointed as a Hit Product during the 2nd half of the year in APT division by the Daehan Daily Newspaper. Awarded for corporate PR in World Advertisement Grand Prize.

LG Village in Suji, Yongin city, was awarded in the gardening division in the Contest for the 1st Eco-friendly Tree-planting Landscape.

2002 Uljin-Jukbyeon road construction site was awarded by the Director of Busan National Land Management Agency.

Balan-Banwol road construction site was awarded by the Minister of Construction & Transportation. LG Construction was awarded a silver industrial medal of merit for exemplary tax payment. LG Construction was awarded a Presidential prize on the Day of Housing Construction. Korea Electricity Building was awarded an architectural prize by Seoul City.

Appointed by Korea Stock Exchange as a superior exemplary company for corporate governance. 2003 LG Construction declared the "VISION 2010"

LG Construction received the "Award for Cyber IR" in the 5th Environmental IR Grand Prize. LG Construction was awarded the "First prize in construction/cement division" in the 1st Money Today IR Grand Prize.

2004 Awarded a grand prize in the construction division in "2004 Environmental Management Grand Prize". LG Construction was appointed by Korea Stock Exchange as a superior company for corporate governance. LG Construction received the "Award for Cyber IR" in the 6th Hankyung Environmental IR Grand Prize. LG Construction was awarded the "First prize in construction/cement division" in the 2nd Money Today IR Grand Prize.

2000 The 'BIO-NET' construction method for sewage treatment was appointed as a new technology by the Ministry 2005 The company's name was changed to GS E&C Co., Ltd. (GS Group officially launched.) and the company was ranked 1st in global customer satisfaction competency index (GCSI).

Ranked 1st in the APT division in 2005 Korea Standard Service Quotient Index. The restoration project of Cheonggyecheon Stream in Seoul was awarded " silver industrial medal of merit".

Awarded "General Grand Prize" in the 1st Grand Prize of Korea Civil Engineering & Construction. 2006 Received an appreciation plaque for achievement of U\$ 200 billion in receiving orders in overseas construction.

2007 Ranked as the 31st construction company in the world for 2 consecutive years by ENR (Engineering News-Record) in the U.S., a world-famous construction magazine. Awarded a "Gold Tower Industrial Medal of Merit" on Tax Payers" Day. Achieved KRW 10 trillion in receiving new orders. Awarded the "Best Business Management Company in Asia" by 'Asia Money'.

2008 Construction of TBO road in Vietnam started. Awarded the General Grand Prize in construction & industrial plant division in the 1st Korea Construction Quality Grand Prize. Management Standard. Awarded the 'Medal of merit for paying more than KRW 100 billion in tax on the 42<sup>rd</sup> tax payers day'.

2009 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 5<sup>th</sup> Korean Civil Engineering and Construction Awards Ceremony - received the grand prize in the Time Square General Building

2009 Korean Architecture Award - grand prize in the private sector 5th Korean Civil Engineering and Construction Award - grand prize in general construction Received the 2009 'Most Reliable Korean Corporation Award' hosted by the Korea CEO Association Broke overseas cumulative orders of \$21billion | The world's 45th construction company selected by ENR(Engineering News Record)

2010 First Brand Award - Xi ranked 1st in the apartment house sector 5 years in a row Overseas Construction Award - Received the highest award in the plant sector

Korea Masterpiece Brand Award - Xi received the Grand Prize in the high-end apartment house sector Korea Housing Service Award -'Xi' received the Land Transport and Maritime Affairs Minister Award Han River Bam Island Xi was selected in the environmentally friendly sector for the Housing Culture Award in the second half of the year

Korea Apartment House Brand Award Money Today Integrated into DJSI Global Company

Announcement of core value for the creation of a new organization culture 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

2011 Xi Received The First Brand Award in the apartment house sector 6 years consecutively Received the Overseas Construction Award in the gas plant sector Received the Forbes CEO Award

> Received the 6th Creative and Innovative Constructor Award and Presented Cases Received the 1st Korea Construction Industry Ethical Management Award Received the Korea Excellent Co-Existence Award at the Korea Co-Existence Conference Received the Housing Culture Award in the brand sector in the first half of the year Received The Most Trusted Company Award for 3 years in a row Received the KRCA (Korea Reader® Choice Award) in the Korea Sustainability Competition

Xi App Received International Business Awards in three sectors simultaneously Received the iF Design Award in Germany for 5 years consecutively Integrated into DJSI Global Company for 2 consecutive years

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Business Portfolio

Global Best & First · GS E&C · Global BEST & FIRST · GS E&C · Global Best & First · GS E&C





# 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 Ethylen, PP, Phenol/BPA, OCU and LG petrochemical in the Korea market as well as Lidong Aromatics and Thai ATC Aromatics 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 early 2010 with an impressive 1.8 million accident free man hours.

GS E&C looks to expand its business areas into the Mideast Asia, Central and South America 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 Sohar Aromatics

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





003<sub>P</sub>





# UU6P

#### 005<sub>P</sub> **QP LAB**

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

#### 006P ATC No.2 Aromatics

Location: Map Ta Phut, Tailand
- Para Xylene 565,000 MTPY
- Benzene 301,000 MTPY
- Toluene 60,000 MTPY
Project period: 2005. 08 – 2008. 10

#### 004<sub>P</sub> **HMC PP**

Location: Map Ta Phut, Tailand
- 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 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 oversea 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, PTTLNG in Thailand, and Salalah Methanol in Oman.

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. 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 byproduct of our outstanding record.

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

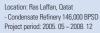
Location: Baku. Azerbiian

- CDU 45.000 BPS

- VDU 28,000 BPSD

Project period: 1991. 10 ~ 1994. 04

008<sub>P</sub> Laffan Refinery













#### 009P **QP Refinery Expansion**

Location: Mesaieed, Qatar

- CDU 70,000 BPSD
- Naphtha Hydrotreater 23,000 BPSD
- CCR 12.300 BPSD - Kero Hydrotreater 11.223 BPSD Project period: 1999. 01 ~ 2002. 03

#### 010P Salalah Methanol

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

#### O11<sub>P</sub> PTT LNG

Location: Map Ta Phut, Thailand 5MTA LNG Regasfication 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  $\rightarrow$  ARDS 84,000 BPSD Project period: 2002. 11 ~ 2004. 10

#### 016P TUPRAS Izmir DHP

Location: Izmir, Turkey

- Kero./Diesel/Hydrotreating 60,400 BPSD - SRU 65,335 MTPY

Project period: 2002. 06 ~ 2004. 12

#### 017 No.3 Heavy Oil Upgrade

Location: Yosu, Korea

- VR HCR 60,000 BPSD

- VGO FCC 53,000 BPSD

- HMP 110 MMSCFD

- SRU 450 tons/day

Project period: 2008. 02 ~ 2010. 08









# 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

#### 013<sub>P</sub> **TPI 150,000 BPSD Refinery**

Location: Rayong, Thailand - CDU 150,000 BPSD

- LPG Sweet 5,500 BPSD Gas Con. 5,600 BPSD
- Sour Water Stripping 25,400 MMSCFD Project period: 1996. 07 ~ 2000. 11

#### 014P Kirikkale DHP-CCR

Location: Kirikkale, Turkey

- CCR 22,650 BPSD
- DHP 28,000 BPSD

Project period: 2005. 01 ~ 2007. 07





#### 018<sub>P</sub> E1 LPG Tank Terminal

Location: DAESAN, Korea - LPG STORAGE 60,000 TON Project period: 2010. 01 ~ 2011. 06



#### 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, SaudiArabia

- Gas Inlet Facilities, Gas Processing: 90 MMSCFD

- Condensate Stripping: 66,400 BPSD - SRU: 900 TPD × 2

Project period: 2008. 08 ~ 2011. 10





# Power Plant

# 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 Armania and is currently building Barka3 & Sohar2 power plants in Oman strengthening its status as a global EPC constructor in the overseas power generator

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-Ulchin power plants enhancing our competitiveness in the nuclear energy business.



- Steam Turbine 180MW×1

Project period: 2003. 01 ~ 2005. 06

- Steam Turbine 190MW × 1

Project period: 1997. 05 ~ 2001. 04

- Steam Turbine 180MW×1

Project period: 2007. 03 ~ 2009. 06







# O07<sub>PP</sub>

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

Location: Dangjin, Korea - Total 500MW×2

Project period: 2003. 12 ~ 2007. 12

#### 005PP 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

# OO6PP Barka3 & Sohar2 IPP Project(Oman)

Location: Oman

- Total 1,500MW(750MW×2)

- Barka 3IPP(750MW)

- Barka 3IPP(750IMW) - Sohar 2IPP(750MW)

Project period: 2010. 06 ~ 2013. 03

#### 007PP 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

## 009PP Shin-Wolsong Nuclear Power Plant(Unit1 & 2) Location: Gyeongju, Korea

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

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

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

# O11PP Youngheung Wind Power Center

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







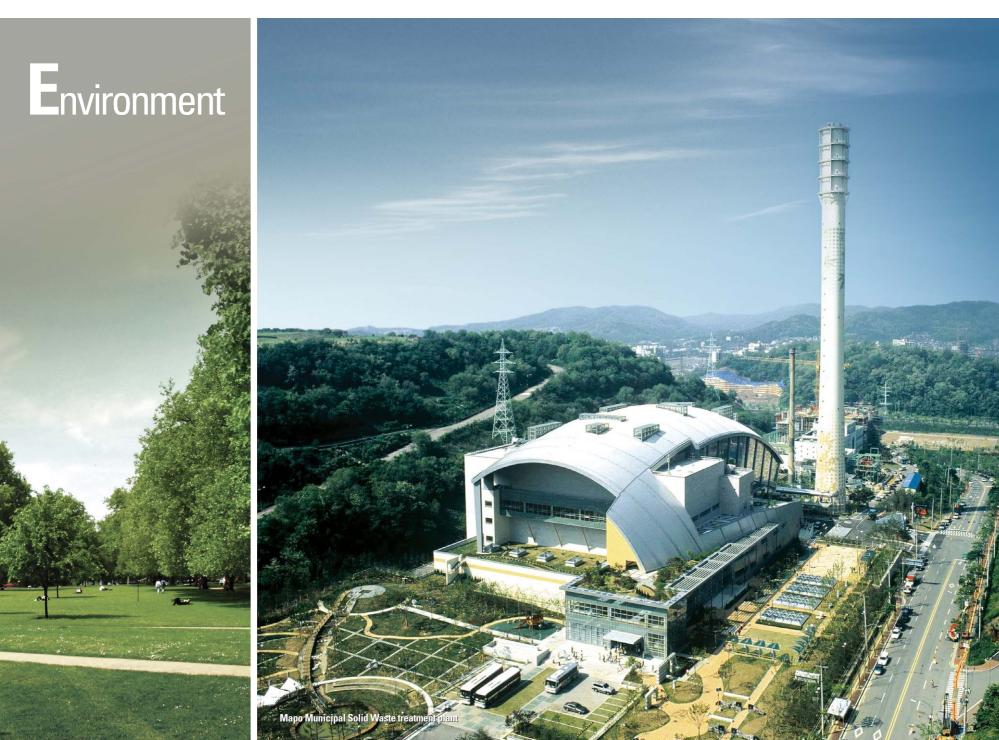
#### 008PP Yerevan Combined Cycle Power Plant

Location: Yerevan, Armenia

- Total 230MW

- Gas Turbine 167MW×1 - Steam Turbine 63MW×1

Project period: 2007. 12 ~ 2010. 04



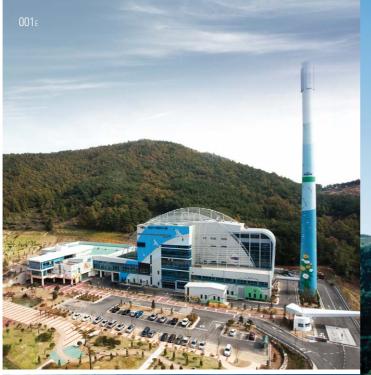
# The harmonization of state-of-the-art technology with the bounty of Nature

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.

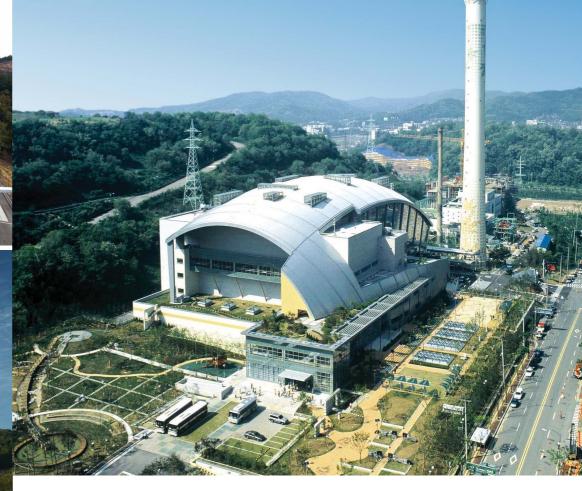
In the area of industrial wastes incineration, our company's advanced technologies were recognized in the successful completion of waste burning facilities project at the LG Philips LCD factory.

In this way, GS E&C is securing differentiated

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.







# 001E Masan Municipal Solid WasteTreatmentPlant

Location: Masan, Korea

Incineration plant: 200 ton/day
 Stoker type

Project period: 2006. 09 ~ 2009. 09

# 002E Chungju Municipal Solid WasteTreatmentPlant

Location: Chungju, Korea

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

# 003E Mapo Municipal Solid Waste treatment plant

003E

Location: Seoul, Korea

- Incineration plant: 250 ton/day × 3units - Stoker type

Project period: 2001. 11 ~ 2005. 04



# 004E Cheongju Municipal Solid WasteTreatmentPlant

Location: Cheongju, Korea - Incineration plant: 200 ton/day - Stoker type

Project period: 2006. 09 ~ 2009. 03

# 005E Dalseong Industrial & Municipal Solid Waste treatment plant

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

# 006E Jecheon Municipal Solid Wastetreatmentplant

Location: Jecheon, Korea

- Incineration plant: 50 ton/day

- Stoker type

Project period: 2006. 03 ~ 2008. 08



# 007<sub>E</sub> Eunpyung MSW Management System

Location: Seoul, Korea
- Capacity: 48ton/day, Pyrolysismeltingtype
- MSW Automation Collectingpipe: 29.1km
Project period: 2006. 10 ~ 2009. 10

# 008E Gumi Municipal Solid Waste Treatment Plant

Location: Gumi, Korea

- Incineration plant: 200 ton/day

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





# 009E Hwaseong Municipal Solid WasteTreatment Plant

009E

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.

#### 010<sub>E</sub> Jeju Advanced Sewage treatment plant

Location: Jeju, Korea

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

Project period: 2006. 09 ~ 2009. 05



#### 011E Gunsan Advanced **Sewage Treatment Plant**

Location: Gusan, Korea

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

Project period: 2006. 09 ~ 2010. 03

#### 012<sub>E</sub> Jeoniu Advanced Sewage treatment plant

Location: Jeonju, Korea

- Advanced Sewage Treatment: 303,000/day

Project period: 2004. 10 ~ 2007. 06



011<sub>E</sub>

012E



# 014E Yeosu Sewage treatment plant

Location: Yeosu, Korea

- Sewage Treatment: 35,000 m³/day - MLEProcess

Project period: 2005. 09 ~ 2008. 04

# 015E LG.Philips LCD P7 (Environmental facility)

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

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



#### 016E Ilsan Advanced Sewage treatment plant

Location: Goyang, Korea

- Advanced Sewage Treatment: 270,000 m³/day

- MLEProcess

Project period: 2006. 12 ~ 2009. 12

# 017<sub>E</sub> Daegu Sewage Sludge Treatment Plant

Location: Daegu, Korea

- Sludge Dry Plant: 1,260ton/day

Project period: 2007. 05 ~ 2011. 12



# Underground Spaces & Railway

#### A future land to broaden the horizons of life

With its unique characteristics and development potential, underground development is an alternative to the problem of limited space on the ground and is emerging as a new construction sphere in the 21st century. GS E&C has participated in the construction of subway lines and transportation facilities including station buildings for Subway Lines No.3, No.5, No.6, No.7, & No.9 in Seoul, Incheon Subway Line No.1, Hopo Car Station in Busan subway, Jijeongbu LRT (Light Rail Transit), Metropolitan Rapid Transit System Line No.3 in Daegu, Metropolitan Rapid Transit System Zone 205 in Incheon, the Magnetic levitation train in Yongjong Island, Metro C911, C913 in Singapore, and many others. Our R&D in soil mechanics, rock mechanics and excavation techniques, has strengthened our capabilities in the development of underground space. In addition, the company promotes economical transportation through railway projects connecting the entire nation. In addition with the completion of the Seoul-Busan High Speed Railways, a revolution began by connecting all major Korean cities in a system where any city can be reached in 2 hours.

# 001c Seoul-Busan High Speed Railway

Location: Okcheon, Korea - Total Length 12.25km

- Double Track 3.59 km

Project period: 1999. 05 ~ 2002. 11



# 002c Yeongjong Island Magnetic Levitation Train

Location: Incheon, Korea

- PSC BOX Girder: 6.11km

- 6 Stations, 1 Depot Project period: 2010. 03 ~ 2012. 09 Location: Namvangiu, Korea Project period: 1997. 10 ~ 2006. 06

003c Electrified Double Track **Railway in Jungang Line** 

(Cheongnyangri-Deokso Sec.) - Total Length 9.5km, 15 Bridges(1.97km)

- Total Length 11.1km - 15 Stations, 1 Depot

Project period: 2007. 08 ~ 2011. 07

004c Uijeongbu Light Railway Transit

Location: Uijeongbu, Korea







# 005c Singapore, Downtown Line No. 2 C911 Singapore, Downtown Line No. 2 C913

Location: Singapore - C911: Depot

- Tunnel Project period: 2009. 03 ~2015. 07

Location: Singapore - C913: TBM Shield Twin Tunnel(1.65km)

- Underground Station Project period: 2009. 03 ~2015. 07

# Singapore, Downtown Line No. 2 C925

Location: Singapore

- C925: TBM Shield Twin Tunnel(0.8km)

- Underground Station Project period: 2011. 08~ 2016. 12

# Singapore, Downtown Line No. 2 C937

Location: Singapore

- C937: TBM Shield Twin Tunnel(1.2km)

- Underground Station Project period: 2011. 08~ 2016. 12

# 006c Seoul Metro Line No. 9 Section No. 904

Location: Seoul, Korea

- Total Length 2.0km

- 2 Stations

Project period: 2001. 12 ~ 2009. 08

# 007c 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

# Roads & Bridges

#### The main artery for the nation's development

Roads and bridges are the basic infrastructure for the development and prosperity of a nation and life itself is developed through the construction of road networks. Since its establishment, GS E&C has participated in numerous public and privately funded civil engineering and SOC projects to construct roads and bridges for the balanced development of the nation and to contribute to the national economy. The sweat from our hard work can be found on the Seohae Grand Bridge, the 10th longest bridge in the world with a total length of 7.31km, Goha Grand Bridge which is Korea's first 3-dimensional Cable-Stayed Bridge, 2nd Namhae Grand Bridge which is the world's first tilted tower, the expressway that leads to the Incheon International Airport and the super highways that connect all major regions in Korea, GS E&C will focus on the construction of the world's best roads and bridges through amazing ground breaking technological developments.



#### 008c Vinh Thinh Bridge, **Quy Cao Bridge**

Location: Hanoi, Vietnam / Haiphong, Vietnam

- Total Length 5.5km

- Total Length 0.5km Project period: Vinh Thinh Bridge(2011~2014), Quy Cao Bridge(2000~2002)

009c 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

#### 010c Goha Grand Bridge

Location: Mokpo, Korea

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

Project period: 2004. 11 ~ 2012. 12





# O11c Seohae Grand Bridge Location: Dangjin, Korea - Total Length 4.08km

- 6 Lanes

Project period: 1993. 11 ~ 2000. 12

# 012c Yeosu Grand Bridge Location: Yeosu, Korea

- Total Length 1.95km

- 4 Lanes Project period: 2007. 11 ~ 2012. 10

# 013c Gyeongin Ara Waterway Section No. 3 Bridge

Location: Incheon, Korea - Bridge Length 1.1Km (PSC Box Girder) Project period: 2009. 06 ~ 2011. 12 014c Baekseok Bridge Location: Incheon, Korea - Cable-Stayed Bridge 750m Project period: 2010. 04 ~ 2012. 06



#### 015c 2nd Namhae Grand Bridge

Location: Gohyeon, Korea

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

#### 016c 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



# 017c 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 ~ 2014. 12

# 018c Expressway No.100(Seoul Beltway)

Location: Yangju, Korea - Total Length 12.4km, 8 Lanes - 8 Bridges(2.14km)

- 2 Tunnels(4.79km)

Project period: 2001. 06 ~ 2007. 12





Location: Jinan, Korea
- Total length 3.4km
- Bridge(1.06km), Tunnel(2.3km)
Project period: 2001. 11 ~ 2007. 12





# 020c 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

# 021c 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

# River Developments & Marine Works

## An outpost for the development of a new world at sea

Korea is bounded by the sea on three sides, and the vast ocean has become an important resource to be developed and managed. In this sense, harbors are essential in developing Korea into a logistics center in Northeast Asia. Dams are important in supplying a stable supply of service water and preventing national disasters. GS E&C has accumulated technologies and experience by participating in the Pan Yellow-Sea Port project to develop a hub port in Northeast Asia. Pyeongtaek-Dangjin port, Gwangyang port, and the Incheon-docking facilities of the LPG undertaking base are representative examples. Our company is proceeding with large-scale port construction in Abu Dhabi of the UAE with our extensive experience in this area. For the construction of dams and as a future growth engine, the company will actively invest in core technologies beginning with the Buhang Multi-Purpose Dam. Furthermore, GS E&C has revived the eco-system and

restored 600 years of cultural heritage on the restoration project of the Cheonggyecheon Stream, Seoul. This corporation has also participated in the 4 Rivers Project of the Geum and Nakdong Rivers to be in line with the development plan of Korea's green

In the future, we will actively participate in development projects that will become an essential element of balanced regional development.







## 022c Buhang Multi-Purpose Dam

Location: Gimcheon, Korea

- Total Reservoir Capacity 54.3mil. m3
- Road 12.71km
- 9 Bridges(1.55km)

Project period: 2006. 11 ~ 2012. 01

## 023c Gulpo Drainage Canal

Location: Incheon, Korea

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

- Road(11.24km)

Project period: 2005. 05 ~ 2012. 02

# 024c Seoul Metropolitan Area Water-Supply System Rehabilitation, Phase 1

Location: Seoul, Korea

- Total Length 53.9 km

Project period: 2008. 07 ~ 2012. 03

## 025c Cheonggye Stream Restoration

Location: Seoul, Korea

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

# 026c Gunjang National Industrial Complex

Location: Gunsan, Korea

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



# 027c 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. 03

# 028c 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 ~ 2012. 12

# 029c 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. 03



## 032c Yeosu Jetty

032c

033c

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

## 033c Incheon LPG Port

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

# 034c Pyeongtaek-Dangjin Car Carrier Port No.11 & 12

Location: Pyongtaek, Korea

- Reclamation & Site Improvement 123,250
- Foundation & Basin Anchorage Dredging 244,599  $\mbox{\em m}^{2}$

Project period: 2006. 04 ~ 2008. 10

## 031c PTT LNG Port Location: Map Ta Phut, Thailand - Jetty(437m) - Intake & Outfall Facilities

Location: Ruwais, UAE

- Jetty(4.4km)

Project period: 2009. 12 ~ 2014. 01

Project period: 2008. 02 ~ 2011. 06







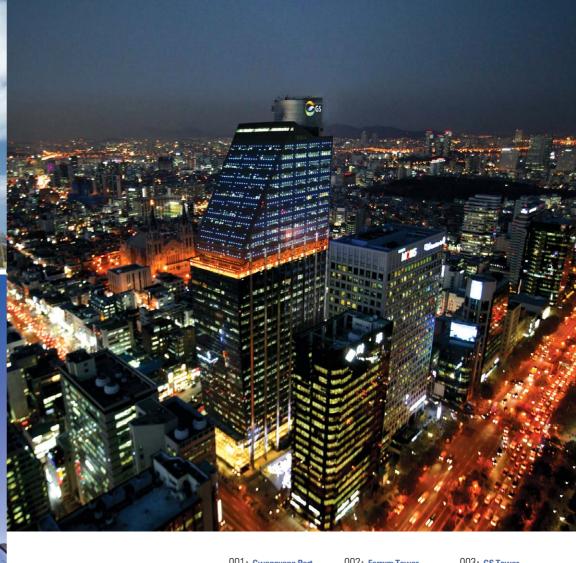
# Office Building

## 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

Project period: 2004. 12 ~ 2007. 05

## 002A Ferrum Tower

Location: Seoul, Korea - Total floor area 55,692 m² 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 m²

- 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







## 009A Fusionopolis

Location: Singapore

- Total floor area(AB) 84,215 m² B3~18F - Total floor area(C) 19,418 m² B2–5F Project period: 2011. 11 ~2014. 03(AB), 2011. 12 ~2015. 2(C)

## 010A LG Beijing Tower

Location: Beijing, China - Total floor area 151,346 m²

- B4~30F

Project period: 2002. 08 ~ 2005. 08

## 007<sub>A</sub> **LG Twin Tower**

Location: Seoul, Korea

- Total floor area 157,835 m² - B3~34F

Project period: 1983. 06 ~ 1987. 06

## 008<sub>A</sub> IFC Seoul

Location: Seoul, Korea

- Total floor area 509,524 m²

- B7~55F

Project period: 2008. 01 ~ 2011. 12



# 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 LG Chem. Institute of Technology

Location: Daeieon, Korea

- Total floor area 22.983 m²

Project period: 1995. 01 ~ 2004. 09

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

Location: Riyadh, Saudi Arabia

- Total floor area 50,947 m²
- Accomodation & support facilities
- Project period: 1996. 10 ~ 1997. 06



# 013A General Hospital of Dongguk University

## Location: Ilsan, Korea - Total floor area 92,276 m2

- B2~12F
- Project period: 1999. 11 ~ 2002. 09

## Seo-Cho R&D Campus

Location: Seoul, Korea

- Total floor area 125,070 m2
- Project period: 2006. 02 ~ 2009. 02







## 015A Dunsan General Hospital of Eulji University

Location: Daejeon, Korea - Total floor area 91,741 m² - B3~16F

Project period: 2001. 04 ~ 2004. 02

## 016A KT Training Institute, Wonjoo

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

Project period: 1996. 11 ~ 2000. 05



## 017<sub>A</sub> Hye Chon University Dormitory

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

Project period: 2009. 07 ~ 2011. 03



Location: Sacheon, Korea - Total floor area 48,947 m² - B2~5F

Project period: 2007. 11 ~ 2011. 05

## 019<sub>A</sub> LS Cable Gumi Dormitory

Location: Gumi, Korea - Total floor area 16,696 m²

Project period: 2010. 09 ~ 2011. 05

# Culture, Leisure & Sports

020a

## 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.

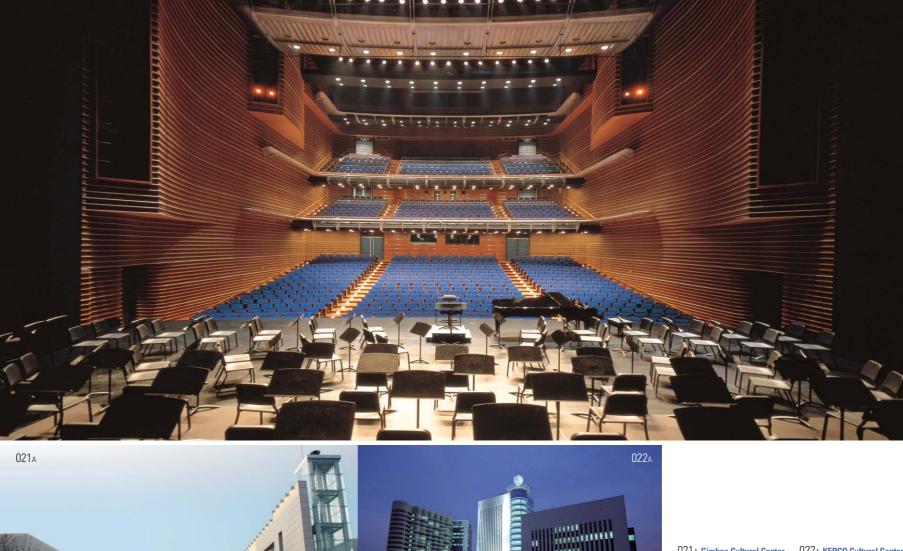


Location: Seoul, Korea

- Total floor area 18,713 m²

Project period: 1994. 12 ~ 1999. 08





### 021<sub>A</sub> Gimhae Cultural Center 022A KEPCO Cultural Center

Location: Gimhae, Korea

- Total floor area 43,750 m²

Project period: 2001. 11 ~ 2005. 11

Location: Seoul, Korea

- Total floor area 70,602 m²

Project period: 1996. 09 ~ 2001. 04

# 

# 024A 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

## 025<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

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

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

- B1~6F

Project period: 1997. 10 ~ 2004. 02





## 023A 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.



## 027<sub>A</sub> PLS Pyeongtaek PDI Logistics Center

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

## 028A Yuhan Pharmaceutical Corp. Ochang Factory

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

## 029A LG display Paju LCD Cluster (P7, P8)

Location: Paju, Korea P7 - Total floor area  $668,547\,\text{m}^2$  / B2–7F P8 - Total floor area  $519,126\,\text{m}^2$  / 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 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.

## 030A **Garden 5**

Location: Seoul. Korea

- Total floor area 426.743 m²

Project period: 2006. 10 ~ 2009. 03

## 031<sub>A</sub> Namchon Leadership Center

Location: Seoul, Korea

- Total floor area 6,956 m²

Project period: 2005. 10 ~ 2006. 09

## 032A Yongsan ET land / Multiplex Theater

Location: Seoul, Korea - Total floor area 77.787 m²

Project period: 2001. 09 ~ 2002. 11











## Electrical Business (Overseas/Domestic)

## Light that creates a bright and heart-warming world

In electricity, GS E&C has successfully completed construction projects including transmission lines, substations, railway E&M, communication, buildings, factories and hospitals. We have secured global competence with accumulated knowledge. and this has led to 400/230kV power transmission and substation projects in Bangladesh and a 220kV power transmission project in Nha-be in Vietnam. 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.

## 033A 154kV & 345KV Substation at Paju LCD Complex Project

Location: Paju, Korea

- 345kV GIS Substation

- 154kV GIS Substation

Project period: 2004. 03 ~ 2009. 03

## 034<sub>A</sub> **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

## 035A 345kV Shinpocheon ~ **Shindeokeun Transmission Line Project**

Location: Pocheon~Shindeokeun Korea

- 354kV Transmission Line

- Leght: 96.45km(Tower 66Sets)

Project period: 2009. 06 ~ 2012. 04

## 036A Seoul Beltway ITS Project

Location: IL-San~Gu ri, Korea

- TCS(Toll collection System)
- ETCS(High pass)
- FTMS(Freeway Traffic Management System)
- CCTV, VMS, VDS, Emergency Phone, Traffic Information System

Project period: 2002. 12 ~ 2008. 06



# **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. In September, 2002, the company undertook a new challenge to become the No. 1 Construction developer in the housing market by introducing a new brand 'Xi' to replace the existing 'LG Village'. 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 the business world in sectors such as brand

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.

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











"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

customer. At its a value oriented ingli cass space created in consideration or its residential values and sensibility. It is a space that goes beyond the simple concept of what a residence should be. GS E&C involving 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.

## 001н **ВапРо Хі**

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











002H Ilsan Xi Location: Kyungkido, Korea - Housing units: 4,683 Project period: 2008. 01 ~ 2010. 09



## 003н HanKang Xi

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

## 004H Heights Xi

Location: Busan, Korea - Housing units: 1,149 Project period: 2004. 12 ~ 2008. 03 005н YangJu Xi

Location: Kyungkido, Korea - Housing units: 4,902 Project period: 2003. 05 ~ 2006. 04



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







# 007H HanKang Bamsum Xi

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

## 008H SongDo Xi Harbor View

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



# 009H Suwon Gwonseon Apartment |, ||| Complex Reconstruction

Location: Suwon, Korea - Housing units: 911 Project period: 2010. 02 ~ 2011. 09



## 010H Yeonji Xi ||

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

## 011H 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.









Location: Seoul, Korea - Housing units: 580 Project period: 2004. 12 ~ 2008. 04

- Housing units: 310 - Studio: 995 Project period: 2002. 08 ~ 2005. 12



014H Boutique Monaco Location: Seoul, Korea

- Housing units: 172 Project period: 2005. 05 ~ 2008. 07

015н

015H Mukdong Xi

Location: Seoul, Korea - Housing units: 411 Project period: 2007. 10 ~ 2010. 12 Project period: 2005. 06 ~ 2008. 12

016H The City Seven Xi

Location: Kyungsang Namdo, Korea - Housing units: 1,060



# Development

## Beyond Korea and onto the world stage

GS E&C's development division is successfully carrying out numerous projects such as urban mixed-use development, urban revitalization, and new city development not only in Korea but also overseas in Vietnam. By 2015, 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 new businesses.

## 001<sub>D</sub> GS Metrocity Nha Be

- Location: Ho Chi Minh City, Vietnam
- Sitearea: 349ha
- Purpose: NewTown(Residential, Commercial, Offices, School, Leisure, Hospital)

Project period: 2010 ~ 2020

## 002D Midan City

- Location: Incheon, Korea
- Sitearea: 1,829,945 m²
- Total floorarea: 1,536,430 m²
- Purpose: NewTown

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









## 003D GS Metrocity Long Binh(Q9)

Location: District 9, Ho Chi Minh City, Vietnam

- Sitearea: 92Ha

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

## 004<sub>D</sub> Xi Riverview Palace

Location: District 2, Ho Chi Minh City, Vietnam

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

- Purpose: Residential Project period: 2008 ~ 2011

## 005<sub>D</sub> MecenatPolis

Location: Seoul. Korea

- Site area: 37.309 m² - Total floor area: 294.613 m²

- Purpose: Residential, Commercial, Offices, Culture Project period: 2008 ~ 2012



# 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 - Lotarea 1,752,074 m² - Projectarea 1,586,784 m²

- MainFacilities: Golfcourse/Clubhouse Project period: 2002. 11 ~ 2005. 07







## 003L Alpensia Resort

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

## 004L Grand Intercontinental Seoul

Location: Seoul. Korea

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





008L

















## 002L Elysian Gangchon Location: Kwangwondo, Korea

- Totalarea 60.615 m² - MainFacilities: Golfcourse/ Skicourse/Condominium Project period: 1999. 11 ~ 2002. 11



## 005L Laguna Hue Angsana Resort Location: Vietnam

- Total floorarea 38.954 m²

- 1F~5F

Project period: 2010. 06 ~ 2012. 09

## 006L Vietnam Haiphong Sunflower

Location: Haiphong, Vietnam

- Total floorarea 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 floorarea 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
Jeangreung Water Tunnel
Incheon Subway Lot No. 1-13 / Seoul Subway Lot No. 6-10
Seoul Subway Lot No. 1-13 / Seoul Subway Lot No. 6-10
Seoul Subway Lot No. 75 / Seoul Subway Lot No. 301
Seoul Subway Lot No. 755 / Seoul Subway Lot No. 917
Incheon Metropolitan railway 205 sector Construction
Downtown Line Z C313
Shinburdang II me Edension PII Project

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 Urban Highway Balan-Banwol Highway Cheonan-Nonsan Highway (Lot No.3,4) Daegu-Pohang Highway Donghae-Jumuniin Highway Jukbyeon-Bukmyeon Highway Iksan-Jangsu Highway (Lot No. 5) Hyunpung-Kimcheon Highway (Lot No. 1,3,6) Duksan-Yesan Highway Seoul Outor Ring Expressway (Lot No.4,6) Busan- Ulsan Highway (Lot No. 6) Dangiin-Daejeon Highway (Lot No. 4,5,6,7) Incheon Grand Bridge Expressway No.45(Yeoju-Yangpyeong Section No.3) Goha-Jukgyo Highway (Mokpo) Hanoi -- Haiphong Expressway Package-7 Yeosu National Industrial Complex Access Road(Cable-stayed Bridge)

Jungan IC Section 1 read construction
The Road Construction Works for Sillim-Bengcheon Tunnel (Section No.2)
Seout-Munsan Highway
Gangaren Circulation Expressively Section No.6-1
Section 3 of Samehock Trorghase Expressively
Gohreon-Hadrong ICZ National Road
Seout-Busan High Speed Reilroad/Lot No.6-5)
Gwangjang Jun and Stael Mill Construction
Jungang Railroad (Cheorypangi-Deoiso)
Okchern-Jitan Railmoad
Seout-Puturcheon Railmoad
Seout-Puturcheon Railmoad
Seout-Puturcheon Railmoad
Jungang Railroad (Jot No.7)
Jinga-Gwangyang Double Track Line (Lot No.5)

Highway No. 25(Namcheon-CheongDo(Gomtijae))

TBO Highway National Road Construction of Gohyeon ~ Hadong IC 2

Section No.1

Universal Unique Urban Maglev Taeback jaecheon-Ssangyong Double Track Line Seoul-Busan High Speed Railroad(Lot No. 6-4A) Honam high speed rail sections Donor Haefonbago: samphockly zijlway sertion No.

Dong Hae(pohang-samcheck) railway section No.2 DAEGU Metropolitan Rail Road Line3 section2 Singapore Depot (211 Choji Grand Bridge-Inchon Sector 2-2 Road Construction Suseo-Pyerongtask High Speed Railmort| or Ma. 91

Choji Grand Bridge-Inchon Sector 2-2 Road Construction Suseo-Pyeongtaek High Speed Railroad(Lot No. 9) Honamsun Hamyeol-Hwangdung Dongyun Railroad Crossing Constructi Harbons & Dams
Port Bridge at Gwangeng
LG Chemical 100,000 DWT Private Jetty Construction
Incheon LPG Vessel, Jetty
Gwangyang Harbor
Pyeorgaek Dangjin Harbor Automobile Pier
Deedging of Soil Westes at Incheon North Port
Port of Solacho Construction
Pyeorgaek Dangjin Harbor Dreedging
U.San New Port Construction (No b Terminal)
Buhang Multipurgue Dam
Ruwais Refinery Equansion Project-PKG7
Shimma Port Construction

Estate & Development,
Gunjang National Industrial Complex
Cheongage RestorationLot No. 2)
Paju LCD Industrial complex
Incheon Free Economic Zone Yeong-jong Sky City Section
Sukmonn National Industrial Complex
Kyungin Waterway Sector3
Gwangang Port Western Hinterland Phase 1
Incheon free accommic zone in cheongria district 2nd section
Gulpo Drainage Canal
Ecological River Improvement in the Kum River in Section 6 (Cheong Nam)
Construction of the Naktong River restoration Project - Section 18
Yeocheon industrial estate
Venorgan River Dam Structure Repair Project 1 Section
Busan Jirihae Free Economy Zone Development Project 1 Section

Intelligent Building
LG Twin Tower / GS Tower
Korea Industrial Complex Corporation Venture Center
Hung Kisk Itle Insurance Simmunno Office
RPC Tower
The Embassy of Iran and Residences in Korea
LG Beijing Tower
Joellaemond New Covenment Office
LIG Gangnem Tower / LIG CNISTI Center
Sachero City Hall / Jowanyang Port Business Facility
Secul Central Past Office
National Agricultural Cooperative Federation Head Office
LS Tower
LIG Telecom Sangam DMC Office
Kyungkang K-Project / IFC Secul

Educational, Research & Medical health care Saud imem University / IG inhvawon Sargnam hall, Yorsei university Hall of Korea, Korea university KT Training Center Institute of Technology, Hanyang University IG Openicals Institute of Technology General Hospital, Dongguk University Ulji University, Dunsen Hospital Uljicongbu St.Mary's Hospital IG Gesan RBO Complex Nongshim RBO Center Nongshim RBO Center IG Pyeongraek Digital Park, / Seoul Techno Park IG Beatonics, Seocho RBO Campus'/ IJG Ingenium Cultural, Leisure & Sports Facilities Georgiam Outural Art Hall Saud Iman University Sports Complex Worju Chiek Cultural Art Hall Pohrang Gultural Art Hall I GArt Center Care Convention Center & Assem Tower Korea Bestric Power Corporation Cultural hall New Juan church Bunchang Somang church National Museum of Korea Girnhee Culture and Art Center Duckyang Outure and Sports Center 315 Art Center

Clean room & Industrial Facilities Busan Hopo Vehicle Terminal Samwha Paper Factory Shinseosan 765kV Substation Project Ansung Omron Factory LG Siltron Gumi factory LG Display Phase 2, Nanjing Dongbu Electric Rail Car Office Heesung Elec. Daegu Factory 2 Yuhan Pharmaceutical Corp. Ochang Factory LS Cable Jeonju Factory LG Display Value Cluster in Poland Gwangdong G-proejct LG Display 345kV GIS Substation Sam-a pharma co. Wonju GMP factory Choongwae pharma co. Dangjin Factory LG Chem. Ochang Techno Park LG Display Paju LCD Cluster

Logistics & Remodeling
GS Mart, Goyang
Stotle Department Stone, Guri (Ex-GS Square, Guri)
Sancheonggaix remodeling
West-South Zone Agriculture and Fishery Market Remodeling
Vongsan Electronic Land Remodeling
Anyang Station
The Export-Import Bank of Korea Remodeling
Junigku Market reconstruction
Daebul Free Trade District
Namchon Leadeship Center
Varandon Leadeship Center

Resort, Golf gourse, Hotel Grand Interportmental Hotel Grand Interportmental Hotel Grand Resort (Payland County Outh Sengton Resort (Payland County Outh Seurgsan Sandprine Olds House Granjian Resort / Alpersia National Safety Opporience Theme Park

Apartment
Barlb Xi / HaniKang Xi / GaePo Xi
SeoCho Xi / Barlkae Xi / HwangSil Xi
DouGok Rexle / CheongAm Xi / MurRea Xi
Meho Xi / Heights Xi / Songbo Xi Harbor View
Ilsan Xi / MookDong Xi / Young-Joh
Cheongla Xi / Bemsum Xi / Gwangjang Xi
HaNam Xi / Sului Xi Y Yonghi Xi
Yanguk Xi - III / SinBong Xi III / Jubileon XI III

MetroCity I-V / DongSuwon Xi I,II / SinSanbon Xi I,II YongIn SuJi LG Village I-VI / Ilsan DaeWha LG Village Xi Riverview Palace Haewoondae Xi

Studio apartment / Residential complex SeoriReung Edat / YokSam Edat / Bundang Edat I,II Yeouido Edat / SeoCho Edat / Incheon Airport Edat HanKang Edat / YongSan Park Xi / Yeouido Xi Boulique Moraco / The City Seven Xi / Chungmuro Xi

Oil & Gas
Azerpetrohim COUVOU Project (Azerbaijen)
GS- Caltex RFCC Project (Korea)
S-Oil BCC Pressel Project (Korea)
S-Oil BCC Pressel Project (Korea)
TH LBOP Project (Thailand)
Shantou BC Emmis Anjoext (Chris)
TH 150,000

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)
Tuoras Izmir DHP Project (Turkey) Izmit DHRP Project (Turkey) GS- Caltex No.2 HOU (Korea) 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) Manifa Project (Saudi) 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) P-II Pipeline Project (UÁE)

Petrochemical
3rd Train PP Expansion Project (Indonesia)
TP ESSM Paint Project (Theiland)
Trainin PAC Project (Dina)
TPC/VM Expansion Project (Theiland)
TPC/VM Expansion Project (Theiland)
TPC/VM Expansion Project (Morea)
LG Otem, VCM-II Expansion Project (Korea)
LG Otem, VCM-II Expansion Project (Korea)
Acetic Acid (Indonesia)
LG Otem, VCM-II Expansion Project (Korea)
GS-Caltex No.3 PX Project (Korea)
GUIC LAB Reverning Project (Idna)
4th Aromatics (Idna)
LG Otem, Phono/(BPA (Korea)
GD-LAB Project (Edan)
Lidong Aromatics Project (Dina)
Oman Polyprophen Project (Dina)
ATC No.2 Aromatics Project (Dina)
HMC PP Project (Theiland)
LE-LAB Project (Idna)
LG Chem, CA-EDC Project (Korea)
LG Chem, CA-EDC Project (Idna)
Beijing No.2 PXC Project (Dina)
No.4 DMT Project (Idna)
Beijing No.2 PXC Project (Dina)
No.4 DMT Project (Idna)
Beijing No.2 PXC Project (Dina)
No.4 DMT Project (Idna)

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 Power Plant Phase 5 & 6 (Korea) Korea Electric Power, Incheon 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) Yerevan Combined Cycle Power Plant (Yerevan Armenia) Shin-Wolsung Nuclear Power Plant(Unit1 & 2) Barka3 & Sohar2 IPP Project(Oman) Yeongheung Coal Fired Power Plant(Unit 5 & 6) Shin-Uliin Nuclear Power Plant(Unit 1 & 2)

Waste treatment & Recycling
The 1st landfill size of the Netropolitan Area
LGPhilips LOD Pu-Bs
Mapo Municipal Solid Waste Treatment Plant
Daejeen Incineation Plant No.2
Jachero Municipal Solid Waste Treatment Plant
Deerogun Municipal Solid Waste Treatment Plant
Cheorogu Municipal Solid Waste Treatment Plant
Masan Municipal Solid Waste Treatment Plant
Europung MSW Management System
Dalsoong Industrial & Municipal Solid Waste Treatment Plant
Chungii Municipal Solid Waste Treatment Plant
Daegu Sewage Sludge Treatment Plant
Havaseong Municipal Solid Waste Treatment Plant
Gumi Municipal Solid Waste Treatment Plant
Haeroglack-City MSW Autoreation Collecting System
Gegie Municipal Solid Waste Treatment Plant

Water & Sewage, Wastewater Treatment Xonglang central Sewage Treatment Plant (china) Kimihae Sawage Treatment Plant LiGPhilips (CD P) Jeonju Alvanced Sewage Treatment Plant Osong Wastewater Treatment Plant Yessu Wastewater Treatment Plant Yessu Wastewater Treatment Plant Jeji Advanced Sewage Treatment Plant Oson Sewage Treatment Plant Disan Advanced Sewage Treatment Plant Gunsan Advanced Sewage Treatment Plant Gunsan Advanced Sewage Treatment Plant Sunguage Treatment Plant Sunguage Sewage Treatment Plant BAPCO Wastewater Treatment Plant BaP

Development
GS Metrocity Nha Be
Midan City
GS Metrocity Long Binh(09
XI Riverview Palace
Mecenatholes

Global Network

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S Engineering & Construction Corp. Algiers Branch Office 44 Rue Chenoua, Hydra, Alger, Algiers, Algeria Tel: 213-55-438-8878

GIZ 2000 PLAZA no:7 Kat.11 Office no:44 Maslak/istanbul 34398



# Global GS E&C...

Takes on any challenge and never gives up until we see the job through, 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 our emotion.

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