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Do our Best!  
Shinwoo promises.





## Message from C.E.O

**We will be a trusted company specialized in construction equipment who always considers safety along with customers as the top priority.**

Shinwoo Development Co. is a company specialized in construction equipment which administers in consignment construction equipment of Samsung C&T Co., Ltd. and rent or, operate self-retained equipment since its establishment in 1999 based on technical competence and experience accumulated in Samsung C&T Construction equipment business place.

Particularly, in the lifting equipment area, we are equipped with competitiveness of the highest level in the industry in the fields of high-rise buildings, long-span bridges, plants and power generation through specialized equipment operation techniques and advanced safety management systems together with retention of many large-scale equipment. In the harbor construction area, we are also making great contributions to profit generation of fields with long experience and knowhow. As we introduce status of retained equipment and various construction records, etc. of our company at this time, we are hopeful that it be helpful to you and request for many advices from you.

We promise you that our executives and employees of Shinwoo Development will do the best for profit generation for customer, engineering support and safety management in domestic and overseas construction fields.

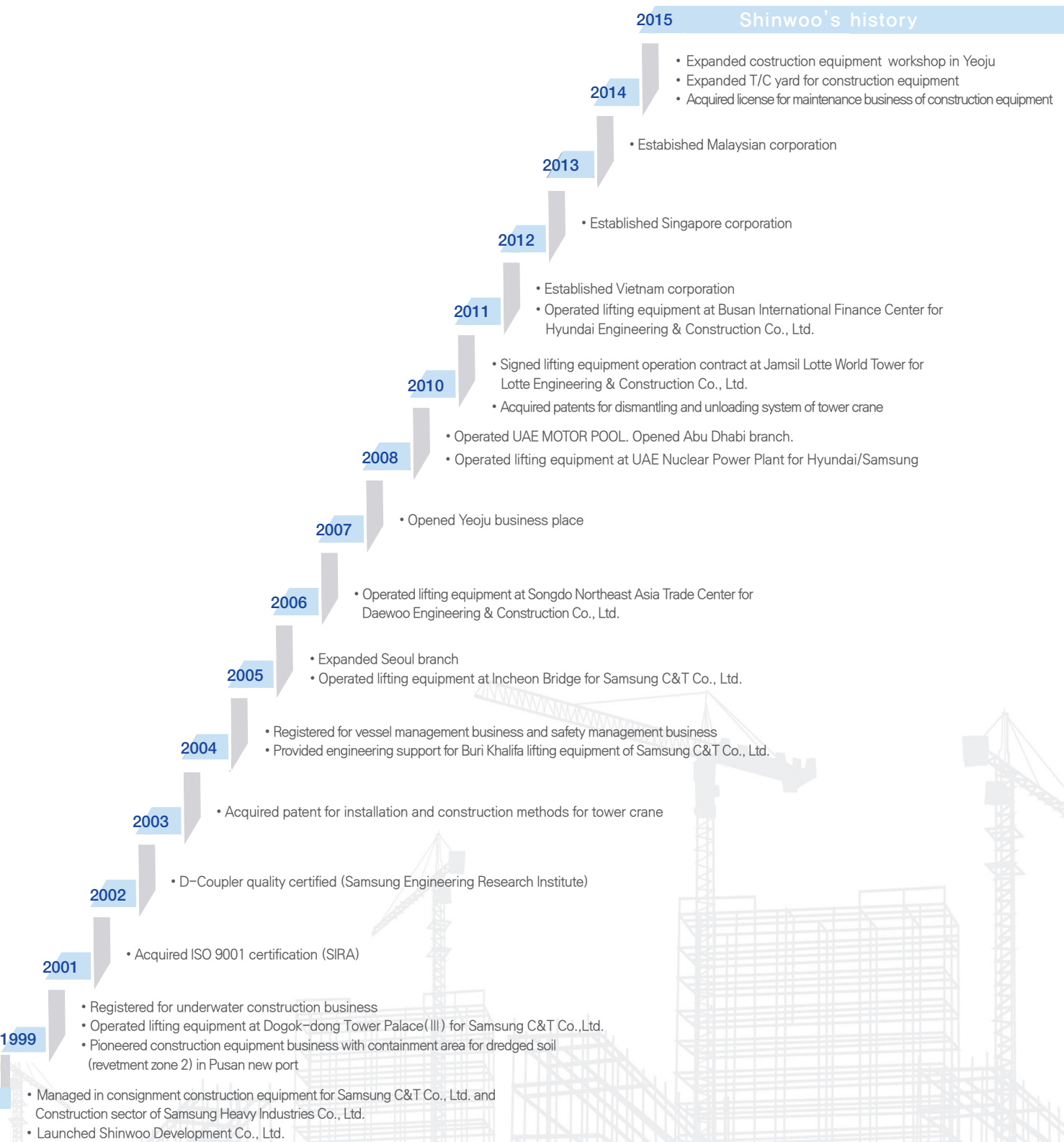
We ask for much of your interest and affection to enable further development of Shinwoo Development.

Thank you.

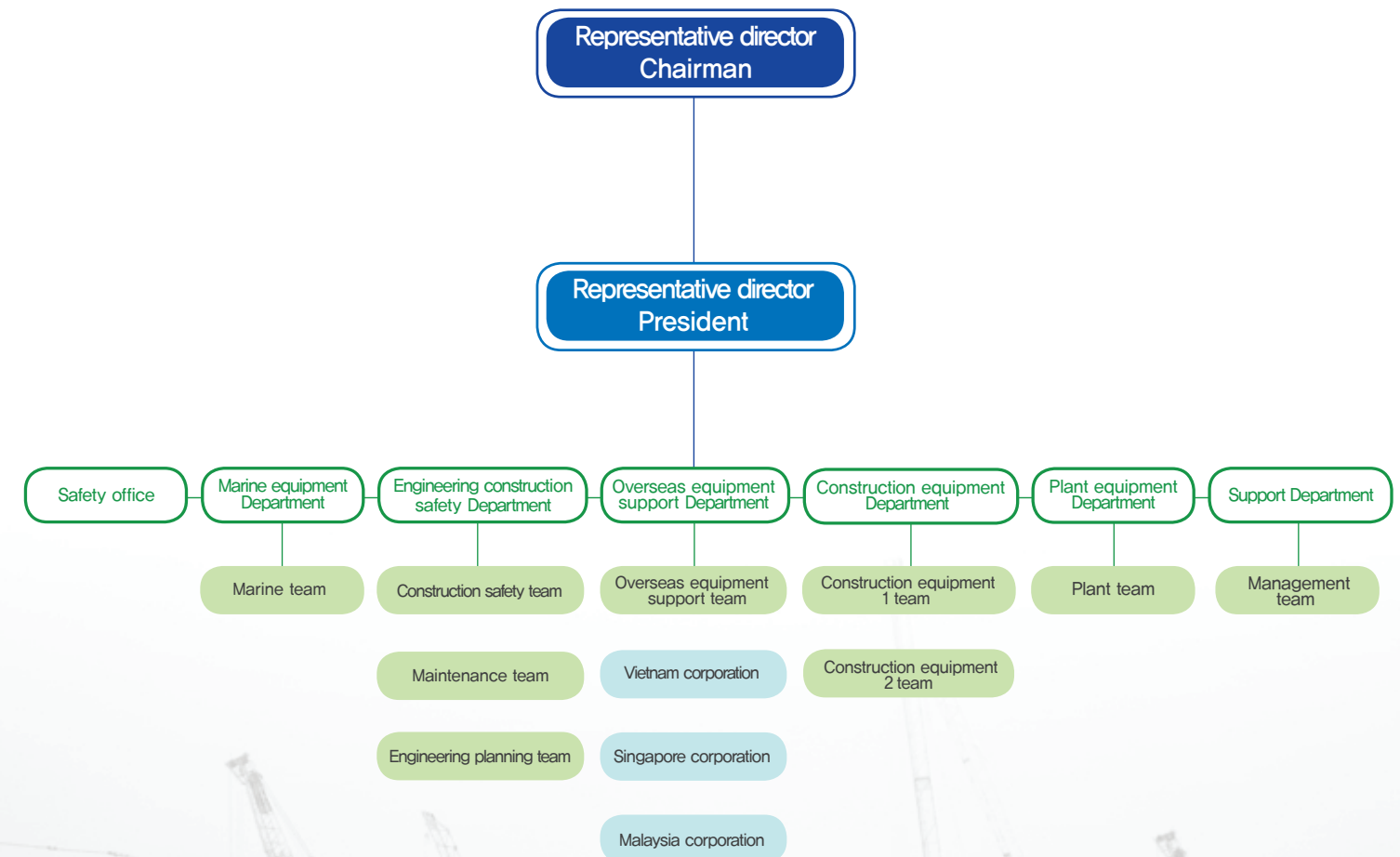
Representative director of Shinwoo Development Co.,Ltd.



# Shinwoo's history



# Organization Chart

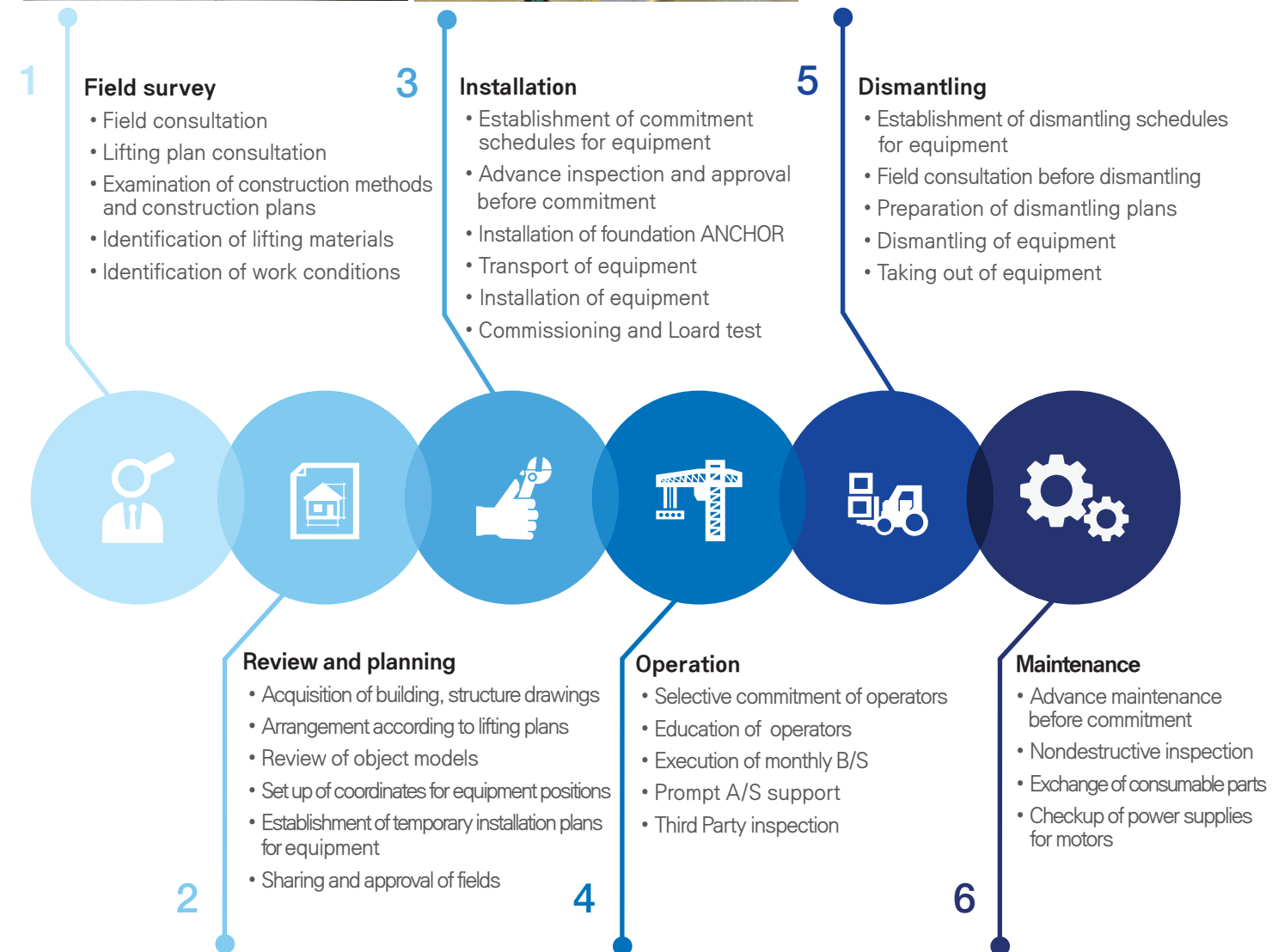




# Process Flow



We have taken a part in competitiveness enhancement at various construction fields with specialized management techniques for equipment operation and advanced capabilities of safety management for building, housing fields, large-scale plant fields and civil, harbor construction fields, and are externally raising status as a business specialized in heavy equipment.





# Business

## Construction equipment rental business

We retain country's best high-rise equipment and large-scale equipment, and are doing the best for procurement of equipment and engineering support required by the field based on KNOW\_HOW on equipment operation and construction engineering of domestic & overseas field

### ■ High-rise construction equipment

- L-type TOWER CRANE in 12~64 TON class as the downtown construction equipment retained independently
- Mechanized construction records of diversified buildings such as Jamsil Lotte World Tower as the domestically highest-rise building, Dogok-dong Tower Palace, Songdo Northeast Asia Trade Center, etc.
- T-type TOWER CRANE in 48 TON class as the construction equipment for residential complex and APT, large-scale shopping mall, etc. retained independently
- Comprehensive operation system for all construction equipment on the field
  - Customers' construction qualities maximized from the initial use of equipment by engineering support such as work plans, calculation of equipment costs, equipment SIMULATION, structure calculation, safety checkup, etc.

### ■ Special equipment / large-scale construction equipment

- Supplies large-scale construction equipment required for civil(harbor) construction, plant construction
- Retains floating dock, pump dredger, grab dredger, self-elevating type barge, etc.
- Retains multitudes of equipment such as the domestically largest CRANE of 1,300 TON, etc. for plant construction
  - Supplied equipment for large-scale plant constructions such as Daesan General Chemicals, Pyeongtaek LNG, Shinwolsong nuclear power plant Nos. 1~2 units, Saudi Marafiq combined cycle power plant, UAE nuclear power plant Nos. 1~4 units, etc.



# Business

## Consigned management business for construction equipment

We are a specialized company for consigned management of construction equipment retained by Construction sector of Samsung C&T, and are playing a pivotal role as the domestically best consigned management company for construction equipment based on KNOW-HOW on specialized consigned management techniques.

### ■ Consigned management of construction equipment

- Acts as a proxy for comprehensive tasks of the uppermost equipment operation and management for customers' value creation
- Contents of major tasks
  - **Consigned management tasks**
    - Management of maintenance for construction equipment
    - Management of inspection (Acting as a proxy for government, classification, construction equipment, radio station, etc.)
    - Management of insurance and taxation for construction equipment
    - Hiring of sailors / ship assignment / performance appraisal
    - Management of salaries / insurance / injury and sickness
    - Management of education and training (Management of legal license acquisition and education completion)
  - **Additional support tasks**
    - Provision of PQ and quote data of heavy equipment for order winning
    - Engineering support for equipment operation on the field
    - Provision of standards for marine-related statutes and operation techniques
    - Engineering review of specification as well as conformance for newly purchased marine equipment and inspection thereof





# Business

## Construction equipment business

We are implementing constructions grafted with construction equipment as we are acknowledged for operation techniques of domestic construction equipment. Based on the best operation techniques and quality safety and outstanding technical competence for special and combined equipment, we are playing a pivotal role in the construction area.

### ■ Dredging business for harbor construction

- Retains dredging equipment for harbor construction
  - Outstanding construction capabilities acknowledged for implementation of construction such as dredging of fairways for Busan new port, Nakdong river zone 17, Gwangyang harbor stage 3, etc.
- Guarantees precision construction with advanced dredging equipment
- Perfect construction by new technology and quality safety management for construction methods in dredging area.

### ■ Material processing business

- Retains material processing combined equipment for aggregates essential to construction of roads, bridges, dams
- Supplies aggregates for the field by production or processing
  - Provides smooth procurement of materials to construction fields by installation of CRUSHER and BATCHER PLANT at Cheongsong power plant



# Business

## Overseas business

Through ceaseless challenges of Shinwoo Development trying to grow out to the world without settling down with domestic market, we are advancing to stretch out as a forerunner in the global era.

### ■ Overseas equipment lease business

- Retains Know-How accumulated by successful performance of domestic and overseas high-rise buildings, long-span bridges, nuclear power plant fields, etc.
- Established overseas corporations and implemented lease businesses to target southeast Asia markets such as Vietnam, Singapore, Malaysia, etc.
- Performed lease business of UAE nuclear power plant to pioneer mid east markets.

### ■ Engineering support of overseas fields

- Made enormous contributions to successful performance of overseas task by customer companies as the truly Best of Best in domestic industry.
- Dispatched engineering manpower retaining the best technical competence to Vietnam, Singapore, Malaysia, UAE, etc. and provided engineering support

### ■ Distribution business for construction equipment

- Domestically supplies various competitive construction equipment through overseas networks
- Provides All In One service taking responsibilities for sourcing, inspection and transport of diversified construction equipment





# Business

## Safety management

By displaying all technical competence of all employees and subcontractors together with safety management competence to the maximum, we are continuously developing safety and health management activities for eradication of heavy equipment safety accidents.

### ■ Safety support tasks

- Safety planning task
- Approval task for personnel committed to task fields (T/C operator, installation and dismantling team, mechanic)
- Preparation of annual plans and safety measures
- T/C and L/C safety improvement, accident investigation
- Accident processing
- Preparation and enforcement of plans for safety education and checkup

### ■ Production and distribution of safety booklets (Copyright registration)

- Safety management guidelines for tower cranes, Observation items for T/C installation and dismantling as viewed in a cartoon, Casebook for nonconformance in construction equipment

### ■ Safety check up and safety education

- Executes safety supervision in transport and installation of T/C
- Executes safety supervision in transport and installation of L/C
- Execution of nondestructive inspection for equipment
- Execution of inspection before commitment of T/C
- Execution of special safety education



# Business

## Maintenance business

We retain the domestically largest maintenance plant for tower cranes, prevent breakdown and safety accidents of equipment in advance and take prompt actions upon unexpected breakdowns by directly operating mechanics with the best technical competence.

### ■ Maintenance management for construction equipment

- Retains a maintenance plant in operation
  - Secured domestically largest workshop and T/C yard (workshop : 1,335 $m^2$ , T/C yard : 48,500 $m^2$ )
  - Precision checkup and systematic checkup allowed before release to the field
  - 3 units of overhead cranes (20 ton, 7.5 ton, 5 ton), 3 units of fork lifts (16 ton, 2 units of 3.2 ton)
- Retains maintenance business license for construction equipment (No. 4121-80016)
  - First and only one in tower crane industry
  - Executes authoritative maintenance
- Runs mobile maintenance vehicle specialized in checkup of tower cranes
  - Constantly operates 2 dedicated mechanics
  - Conducts patrol checkup for high-tech fields and large-scale fields

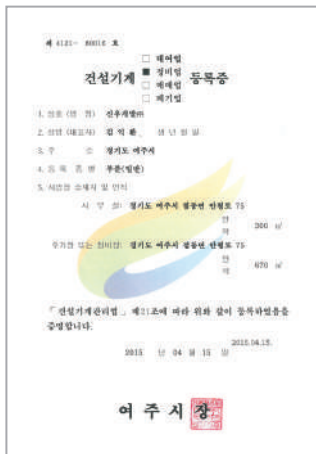
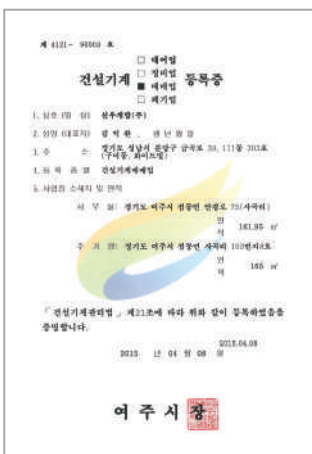
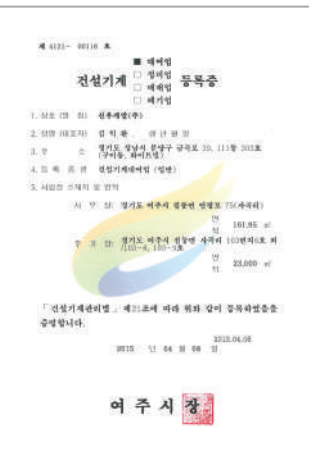




**Business**  
License

With technical competence specialized in building, housing field, large-scale plant field and civil, harbor construction, we are externally enhancing the status as a heavy equipment business.

- Construction equipment rental business
- Construction equipment maintenance business
- Waste marine discharge business
- Ship management business
- Construction equipment sales business
- Dredging construction-related service business
- Ship rental business
- Shipping brokerage business



# Business

## Certification / Patent

- ISO certification acquired



- Patent on installation and construction methods for tower cranes
- Patent on dismantling and unloading system for tower cranes





Equipment

Land lifting equipment

TYPE	MANUFACTURER	SPECIFICATION	MODEL	WORKING RADIUS AND TIP LOAD
‘T’ TYPE ★ A total of 93 units retained ★	LIEBHERR	40TON	1250HC-40	79.6M / 10.5T
		20TON	550ECH20	81.5M / 3.5T
		20TON	500HC-20	80.8M / 3.2T
	COMEDIL	40TON	CTT721-40	84M / 3.4T
		20TON	CTT561-20	84M / 1.4-2.2T
		16TON	CTT321-16	75M / 2.6T
	POTAIN	14TON	MCT385 L14	75M / 3.2T
		12TON	MC310 K12	70M / 3.2T
	COMANSA	48TON	21LC750	80M / 6.5T
		18TON	21CJ290	74M / 2.7T
	PEINER	32TON	SK575-32	80M / 3.9T
	HANKOOK + HAN YANG PUBLIC	12TON	290HC 12	70M / 3.0T
		12TON	290HC	70M / 3.0T
		8TON	154HC	55M / 1.85T
	BKT	20TON	BK560-20	80M / 3.6T



A

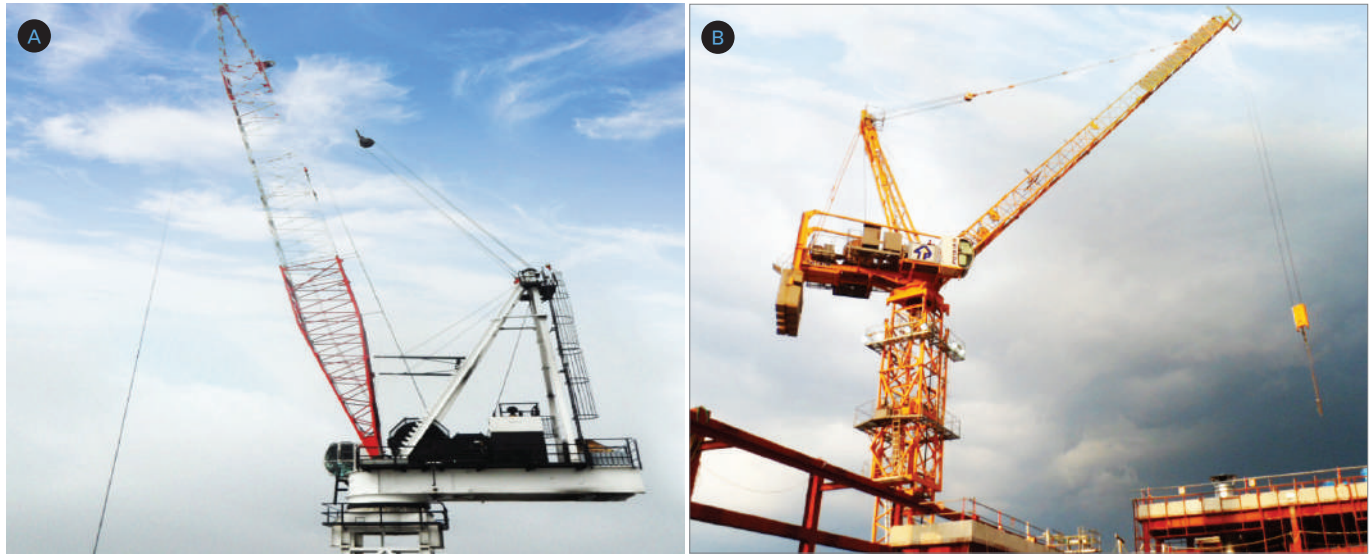
B

A | 1250HC-40 (40T)  
B | 21LC750 (48T)

Equipment

Land lifting equipment

TYPE	MANUFACTURER	SPECIFICATION	MODEL	WORKING RADIUS AND TIP LOAD
‘L’ TYPE ★ A total of 55 units retained ★	FAVCO	64TON	M760D	70M / 4.4T
		50TON	M440D	65M / 2.7T
		18TON	120RX	50M / 2.0T
		18TON	242RX	26M / 5.5T
		6TON	SDD2/12	12M / 2.0T
		6TON	SDD3/10	10M / 3.0T
		32TON	MR605 H32	60M / 9.0T
	POTAIN	32TON	MR615 H32	60M / 8.25T
		24TON	MR405 H24	60M / 4.7T
		24TON	355HC-L	60M / 4.5T
	LIEBHERR	24TON	315HC-L	60M / 3.5T
		32TON	CTL630-32	60M / 9.0T
	COMEDIL	18TON	CTL260-18	55M / 2.9T
		16TON	CTL180-16	55M / 2.0T
		12TON	HKL1250	50M / 3.0T
	HANKOOK	12TON	HKL1250	50M / 3.0T



A

B

A | M760D (64T)  
B | MR 615(32T)



Equipment

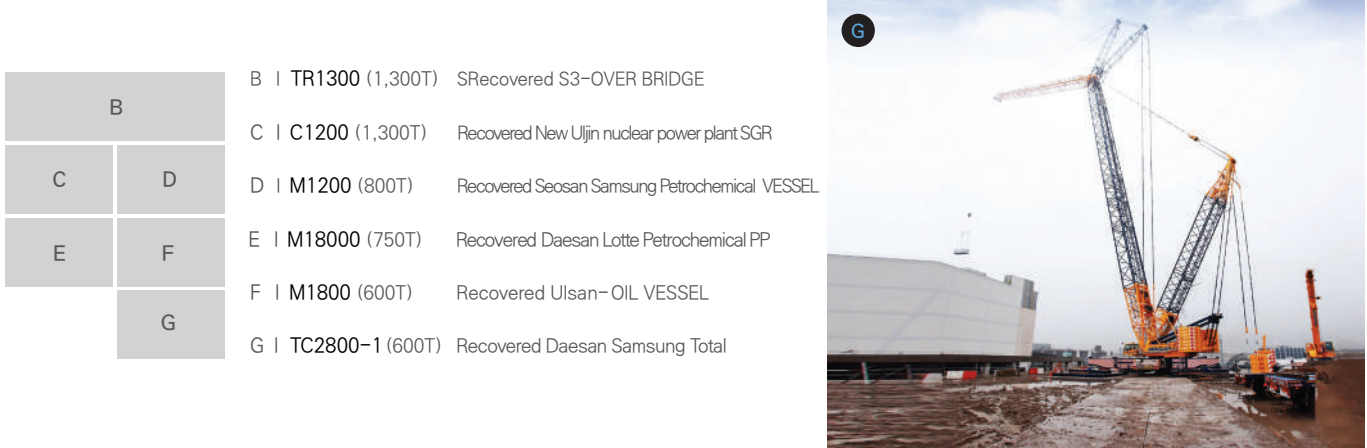
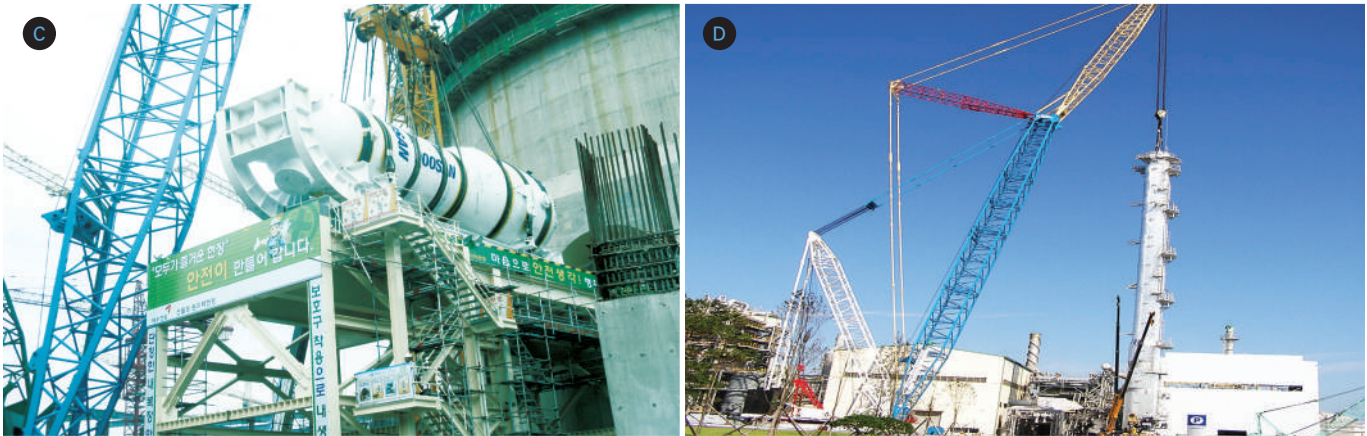
Large-capacity crane

EQUIPMENT NAME	MODEL	SPECIFICATION	MANUFACTURER
RINGER CRANE	M1200	800T	Manitowoc
		1,300T	
CRAWLER CRANE	CC8800-1K	1,800T	TEREX
	M18000	600T	Manitowoc
		750T	
TRUCK CRANE	TC2800-1	600T	TEREX
	AC-700	700T	



A

A | M1200 (1,300T) Installed vapor generator for Ulijn No.4 unit



B		B   TR1300 (1,300T)	SRecovered S3-OVER BRIDGE
C	D	C   C1200 (1,300T)	Recovered New Ulijn nuclear power plant.SGR
		D   M1200 (800T)	Recovered Seosan Samsung Petrochemical VESSEL
E	F	E   M18000 (750T)	Recovered Daesan Lotte Petrochemical PP
	G	F   M1800 (600T)	Recovered Ulsan-OIL VESSEL
		G   TC2800-1 (600T)	Recovered Daesan Samsung Total

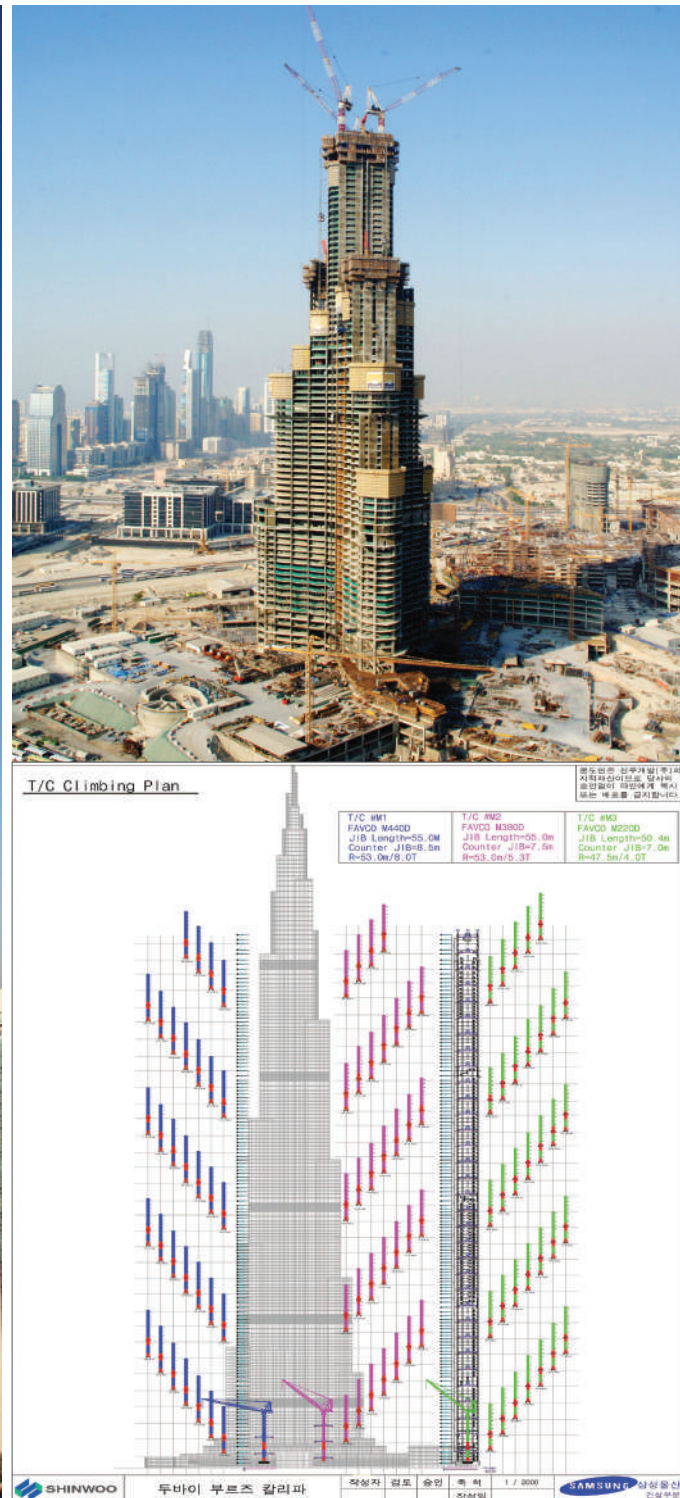


# Best Performance

## Dubai Buri Khalifa

163F / 829M

**SAMSUNG** SAMSUNG C&T  
Engineering & Construction Group



# Best Performance

## Jamsil Lotte World Tower

123F / 555M

**LOTTE E&C**

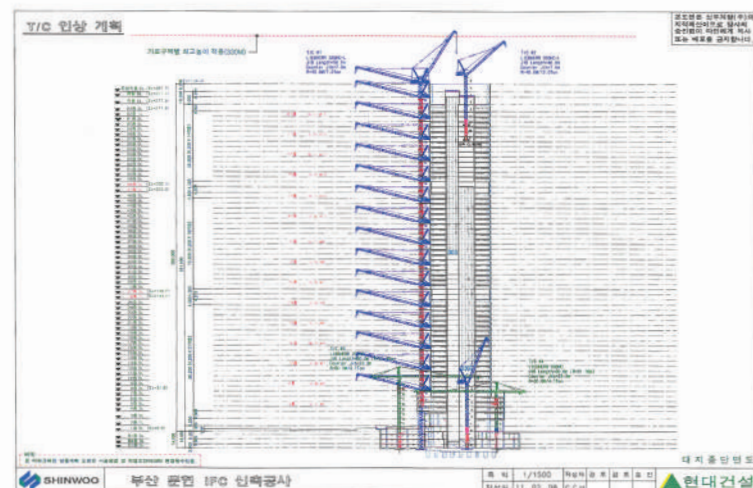




# Best Performance

## Busan International Finance Center

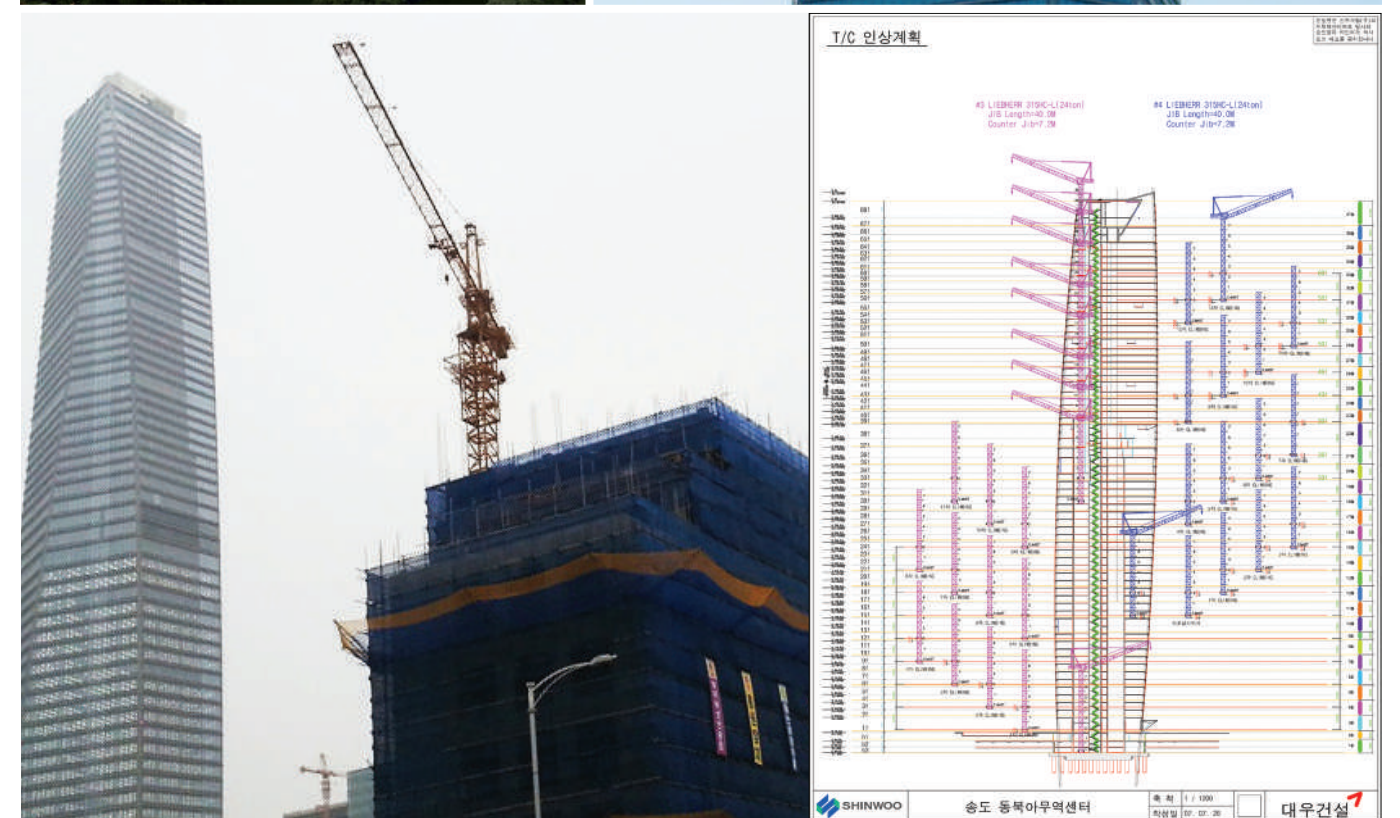
63F / 289M



# Best Performance

## Songdo Northeast Asia Trade Center

68F / 305M





# Best Performance

Busan The Sharp Centum Star

posco  
E&C



# Cheongnyangni Privately Invested Railroad Station

Hanwha E&C

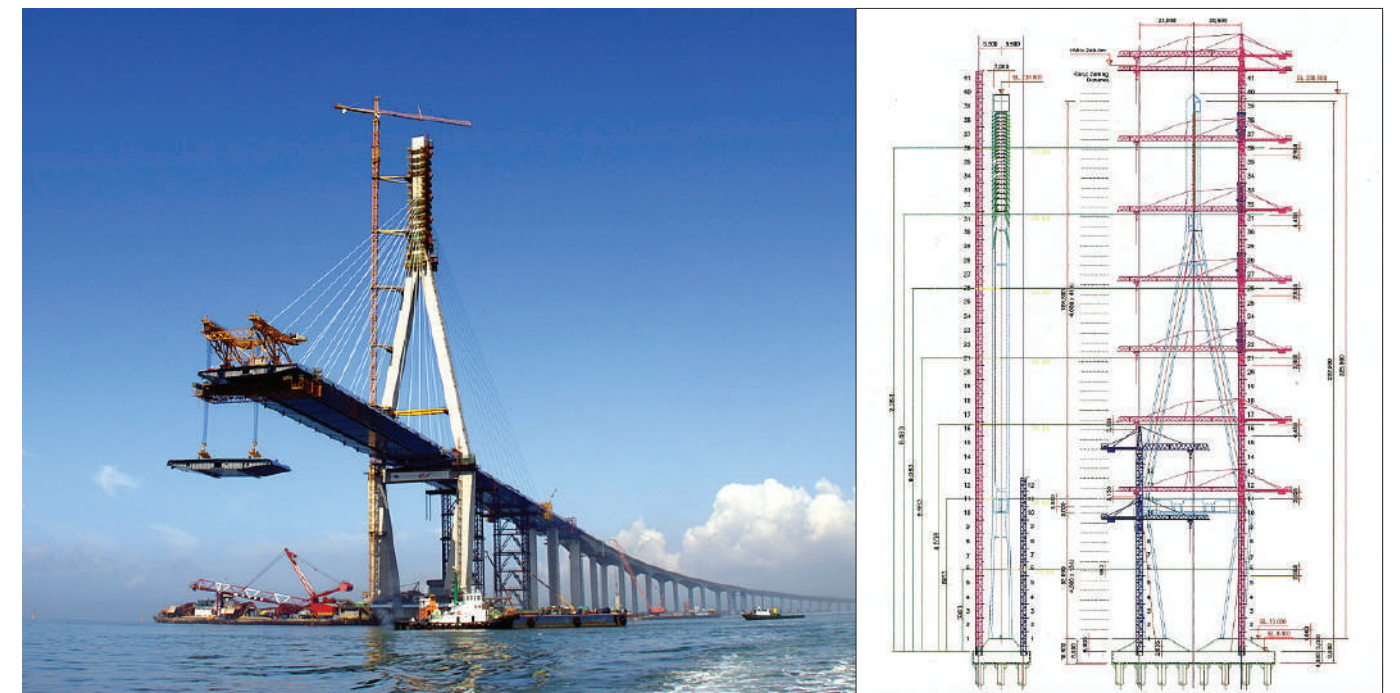


# Best Performance

Incheon Bridge Pylon

231M

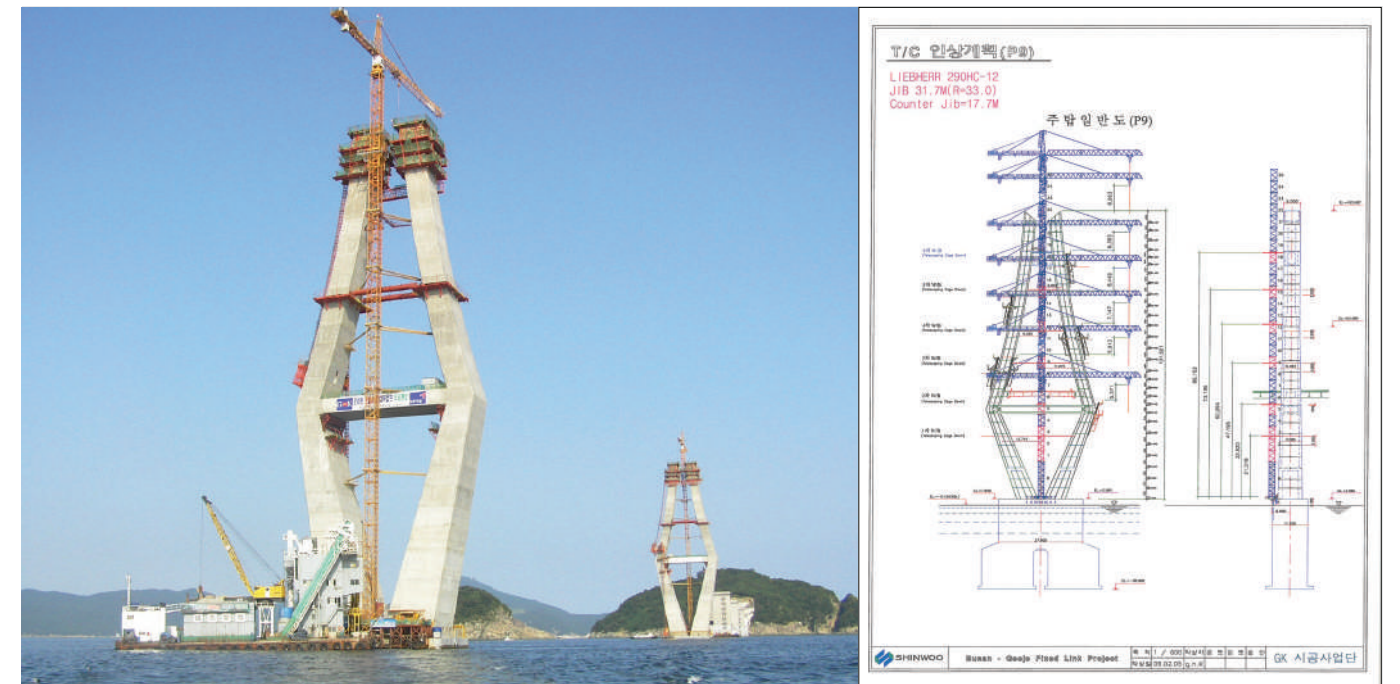
SAMSUNG SAMSUNG C&T  
Engineering & Construction Group



# Geoga Bridge Pylon

156M

DAEWOO E&C





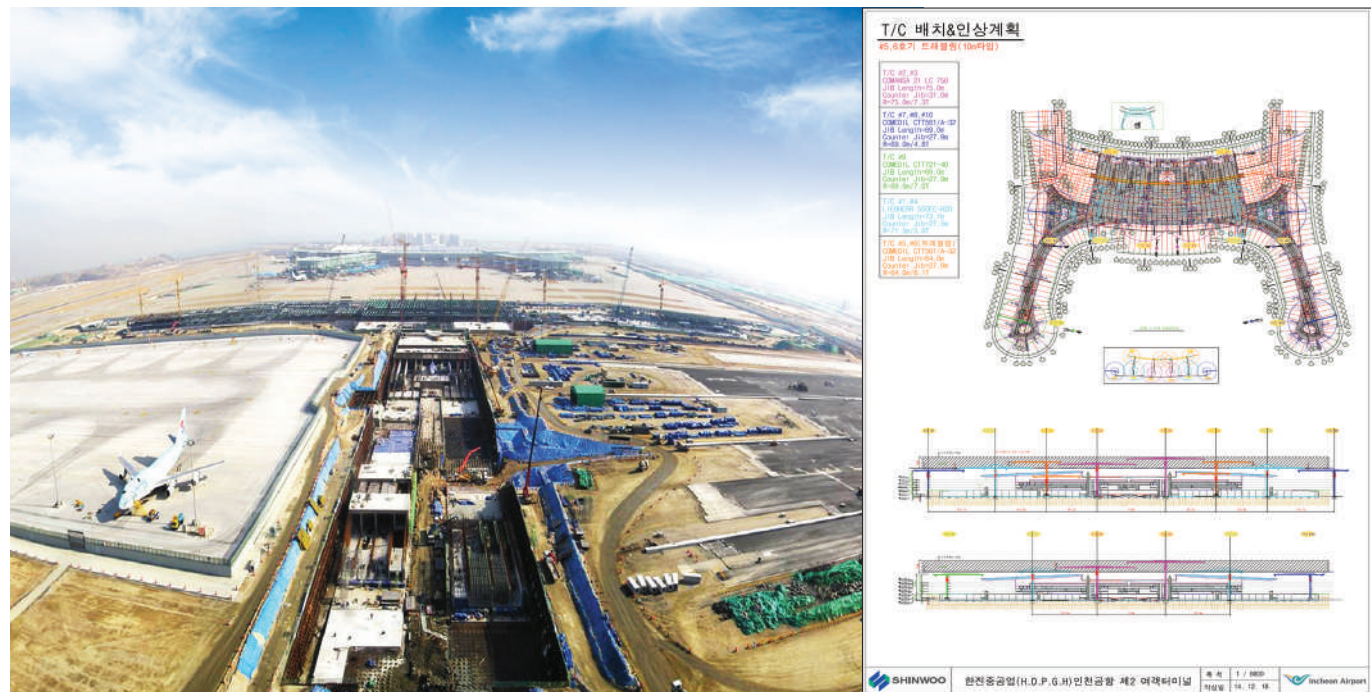
# Best Performance

## Machang Bridge Pylon

164M



# Incheon International Airport Passenger Terminal No.2

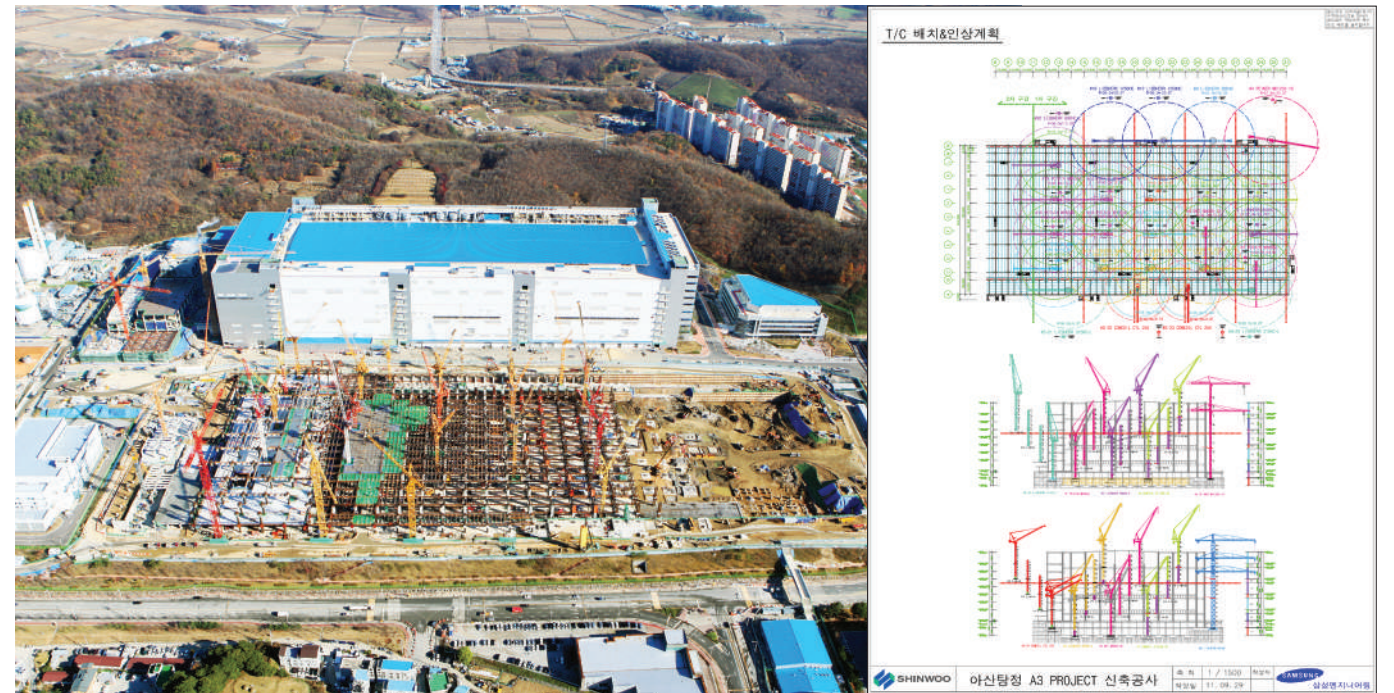


# Best Performance

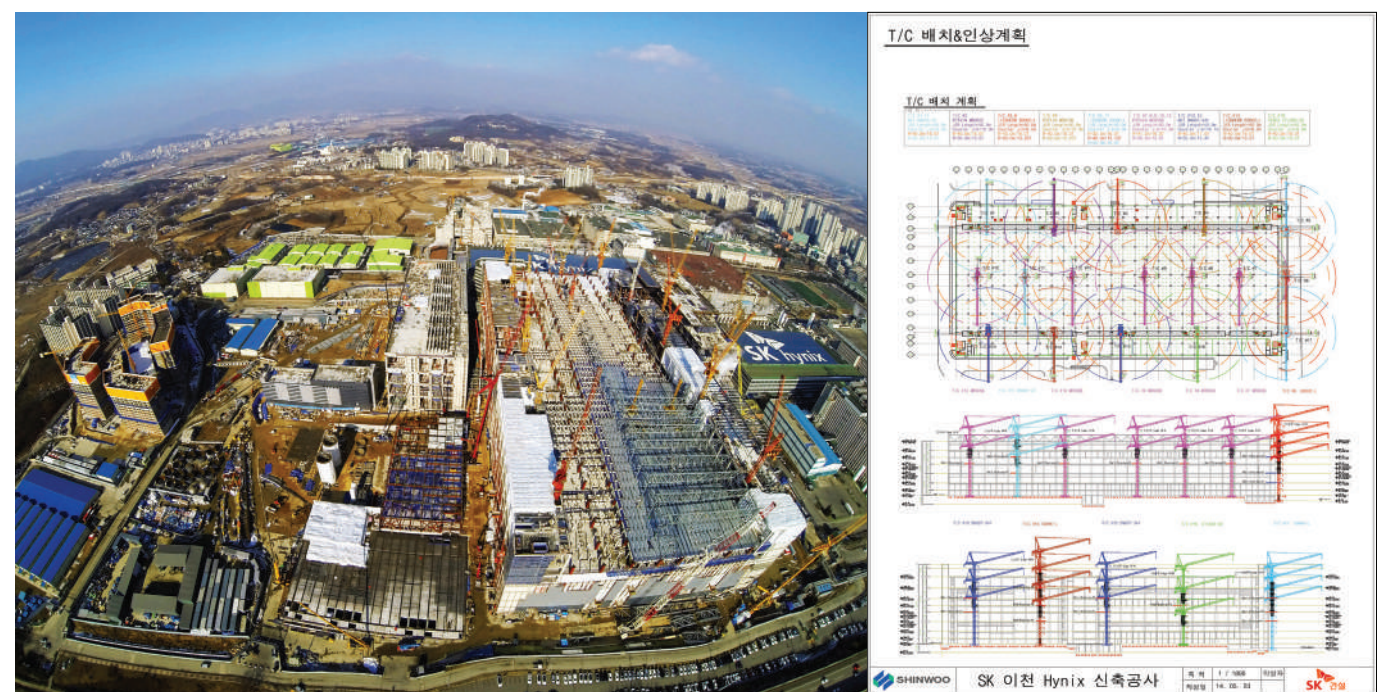
## Asan Tangjeong A3-PJT



SAMSUNG ENGINEERING



# Icheon SK Hynix





# Best Performance

Hwaseong S3-PJT

**SAMSUNG** SAMSUNG C&T  
Engineering & Construction Group



## Singapore UIC Redevelopment Design Build Project

**SAMSUNG** SAMSUNG C&T  
Engineering & Construction Group



# Best Performance

New Wolseong Nuclear Power Plant Nos. 1, 2 units

1,000 MW 2units

**SAMSUNG** SAMSUNG C&T  
Engineering & Construction Group **DAEWOO E&C**



## Arab Emirates Barakah Nuclear Power Plant Nos. 1~4 units

1,400 MW 4units

**SAMSUNG** SAMSUNG C&T  
Engineering & Construction Group **HYUNDAI**  
ENGINEERING & CONSTRUCTION





# Main Results

## Main Results for high-rise buildings

COMPANY NAME	PROJECT	FIELD PANORAMA	SCALE	COMMITTED EQUIPMENT	COMMITTED PERIOD	REMARKS
SAMSUNG C&T	Buri Khalifa		163F/829M R.C CORE Precedence	• T/C : 32T (3) Total of 3 units (excluding podium)	2004.11 ~2007.3	
	Dogok-dong Tower Palace (1)		66F/233M 4 buildings S.R.C CORE Precedence	• T/C : 30T(3), 20T(9), 12T(2) Total of 14 units • L/C : High-speed (TWIN 8 units), Low-speed(6 units) for a total of 14 units • High-pressure concrete PUMP 2 units • CPB 2 units	1999.10 ~2001.12	
	Dogok-dong Tower Palace (2)		55F/195M 2 buildings S.R.C CORE Precedence	• T/C : 30T(1), 20T(4) Total of 5 units • High-speed(TWIN 4 units), Low-speed (2 units) for a total of 6 units • High-pressure concrete PUMP 1 unit • CPB 1unit	2000.3 ~2002.6	
	Dogok-dong Tower Palace (3)		69F/267M 1 buildings S.R.C CORE Precedence	• T/C : 30T(2), 20T(2) Total of 4 units • High-speed(TWIN 3 units), Low-speed (2 units) for a total of 5 units • High-pressure concrete PUMP 2 units • CPB 1unit	2001.6 ~2003.6	
	Incheon Bridge pylon		Pylon height : 231M	• T/C : 20T(4), 12T(6) Total of 6 units	2006.5 ~2009.6	
	Samsung Town Bldgs. A, B, C		42F/200M 3 buildings S.R.C CORE Precedence TOP DOWN	• T/C : 24T(10) Total of 10 units • L/C : High-speed (TWIN 6 units), Low-speed(6 units) for a total of 12 units • High-pressure concrete PUMP 4 units • CPB 3 units	2004.6 ~2007.5	
	Jamsil Galleria Palace		46F/150M 5 buildings S.R.C Simultaneous dispensing	• T/C : 30T(2), 12T(5) Total of 7 units • L/C : High-speed (TWIN 5 units), Low-speed(2 units) for a total of 17units • High-pressure concrete PUMP 5 units • CPB 5 units	2002.5 ~2004.5	Hanwha E&C
LOTTE E&C	Lotte Engineering & Construction Lotte World Tower		123F/555M S.R.C CORE Precedence	• T/C : 32T(2), 64T(2) Total of 4 units	2011.7 ~	
	Mapo Lotte Castle President		40F/150M 2 buildings S.R.C CORE Precedence	• T/C : 24T(4) Total of 4 units	2006.4 ~2008.8	

COMPANY NAME	PROJECT	FIELD PANORAMA	SCALE	COMMITTED EQUIPMENT	COMMITTED PERIOD	REMARKS
LOTTE E&C	Construction Yeouido Lotte Caste Empire		39F/134m 2 buildings S.R.C CORE Precedence TOP DOWN	• T/C : 16T(2), 20T(1) Total of 3 units • L/C : High-speed(TWIN 2 units), Low-speed(3 units) for a total of 5 units • High-pressure concrete PUMP 2 units • CPB 2 units	2002.9 ~2004.11	
DAEWOO E&C	Songdo Northeast Asia Trade Center		68F/305M S.R.C CORE Precedence	• T/C : 24T(2), 32T(2) Total of 4 units	2007.5 ~2009.7	
	Geoga Bridge		Pylon height : 156M	• T/C : 12T(5) Total of 5 units	2007.5 ~2009.9	
	Songdo OK Center		60F/240M R.C CORE Precedence	• T/C : 24T(2), 16T(1) Total of 3 units	2013.4 ~2015.3	
HYUNDAI ENGINEERING & CONSTRUCTION	Busan International Finance Center		63F/289M R.C CORE Precedence	• T/C : 24T(2), 12T(2) Total of 4 units	2011.3 ~2013.12	
	Machang Bridge		Pylon height : 164M	• T/C : 32T(2), 12T(2) Total of 4 units	2005.8 ~2007.11	
POSCO E&C	Busan The Sharp Centum Star		60F/209M 3 buildings R.C CORE Precedence	• T/C : 20T(3) Total of 3 units • High-pressure concrete PUMP 3 units • CPB 3 units	2005.9 ~2007.12	
LASEONG E&C	Dogok-dong Academy Suite		51F/178M S.R.C CORE Precedence	• T/C : 20T(2) Total of 2 units • L/C : High-speed(TWIN 2 units), Low-speed(3 units)for a total of 5 units • High-pressure concrete PUMP 2 units • CPB 1 units	2002.5 ~2004.6	
DAELIM	Seocho Acrovista		40F/150M 3 buildings R.C Simultaneous dispensing	• T/C : 20T(5) Total of 5 units • High-pressure concrete PUMP 4 units • CPB 5 units	2002.1 ~2003.7	
HANWHA E&C	Mapo Hanwha Obelisk		37F/110M 2buildings R.C Simultaneous dispensing	• T/C : 20T(2), 12T(1) Total of 3 units • L/C : High-speed(TWIN 2 units), Low-speed(5 units)for a total of 7 units • High-pressure concrete PUMP 2 units • CPB 3 units	2002.10 ~2004.6	
SKENGINEERING & CONSTRUCTION	SKSK Uijiro Building T-Tower		33F/148M S.R.C CORE Precedence TOP DOWN	• T/C : 20T(2) Total of 2 units • L/C : High-speed(TWIN 1 units), Low-speed(3units)for a total of 4 units • High-pressure concrete PUMP 1 units • CPB 1 units	2003.1 ~2004.3	



Main Results

Major construction records for high-tech & large-scale shopping malls

COMPANY NAME	PROJECT	FIELD PANORAMA	SCALE	COMMITTED EQUIPMENT	COMMITTED PERIOD	REMARKS
SKENGINEERING & CONSTRUCTION	Icheon Hynix (FAB)		S.R.C 11F/85M	• T/C : 32T(13), 34T(2), 35T(3) Total of 18 units	2014.5 ~2015.4	
	Icheon Hynix (CUB)		S.R.C 11F/85M	• T/C : Total of 3 units	2014.6 ~2015.1	
SAMSUNG ENG	Tangjeong A3-PJT PHASE 1		S.R.C 9F/90M	• T/C : 12T(2), 20T(4), 24T(2), 32T(10), 34T(1), 35T(6), 40T(3), 60T(1) Total of 29 units	2011.8 ~2013.6	
	Tangjeong A3-PJT PHASE 2		S.R.C 9F/90M	• T/C : 24T(1), 32T(8), 35T(4) Total of 13 units	2012.6 ~2013.4	
SAMSUNG C&T	Hwaseong S3-PJT PHASE 1		S.R.C 12F/70M	• T/C : 20T(2), 32T(14), 34T(2), 35T(6) Total of 24 units	2013.6 ~2014.3	
	Hwaseong S3-PJT PHASE 2		S.R.C 12F/70M	• T/C : 32T(14) Total of 14 units	2014.5 ~2015.3	
SHINSEGAE Engineering & Construction	East Daegu Complex Center underground		Underground 7F/11F S.R.C	• T/C : 32T(2) Total of 2 units	2014.7 ~	
	Hanam Union		Underground 5F/5F PC& Steel frame	• T/C : 20T(9), 32(1)Total of 10 units	2014.7 ~	
	Yeoju Premium Outlet		3F PC& Steel frame	• T/C : 20T(2) Total of 2 units	2014.6 ~2014.11	

Main Results

Major construction records for plant

COMPANY NAME	PROJECT	FIELD PANORAMA	SCALE	COMMITTED EQUIPMENT	COMMITTED PERIOD	REMARKS
SAMSUNG ENG	S-OIL Onsan Refinery Expansion		Bezene 280,000MTPA P-X 900,000MTPA	• Crawler Crane : 1,800T(1), 750T(2), 400T(2) ) Total of 5 units • Tower Mast : 3,480T(1) • Truck Crane : 600T (1)	2009.12 ~2010.8	
SAMSUNG C&T	UAE Nuclear Power Plant Nos. 1, 2 units		APR 1400 2unit	• Tower Crane : 40(2), 20(2),12(4), 8(2)	2011.12 ~2017.12	
	New Wolseong Nuclear Power Plant Nos. 1, 2 units		2x1,000,000 KW	• Ringer Crane : 1,300T(1), 750T(1) Total of 2 units	2008.4 ~2010.12	DAEWOO E&C
	Construction Hadong Thermal Power Plant Nos. 7, 8 units		2x500,000 KW	• Crawler Crane : 750T(3) • Tower Crane : 20T(2)	2006.7 ~2009.7	

Major construction records for Marine construction

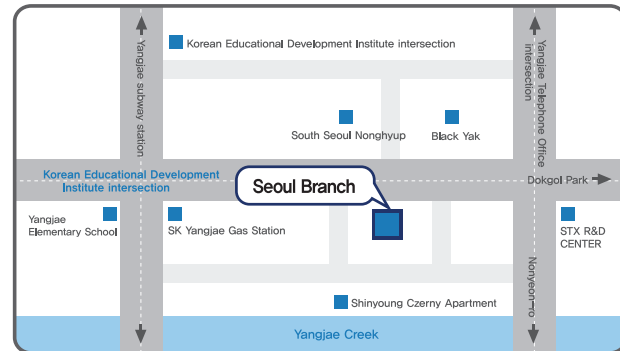
COMPANY NAME	PROJECT	FIELD PANORAMA	SCALE	COMMITTED EQUIPMENT	COMMITTED PERIOD	REMARKS
SAMSUNG ENG	Jeju Naval Base Caisson		15,000T Class	• FLOATING DOCK	2011.6 ~2014.7	
	Busan New Port Stages 1-3 fairway dredging		3,9720,000m³	• Dredging Pump	2010.5 ~2011.5	
C&I Engineering & Construction	Gangwha Gyodong sea-crossing bridge		RCD Pile Construction	• S.E.P BARGE	2010.7 ~2014.7	
HANJIN Heavy Industries & Construcion Co.	Gwanyang port Stage 3 2nd fairway dredging		4,051,000m³	• Dredging Pump	2006.5 ~2007.2	



# Location

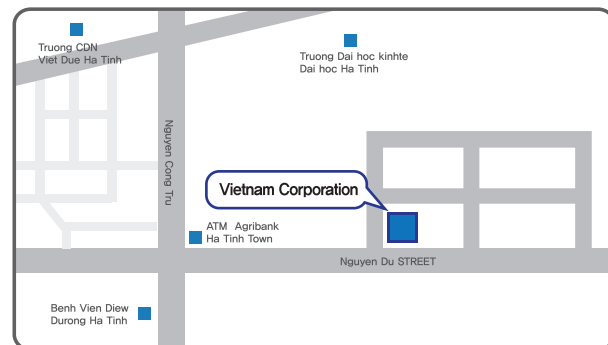
## Company Location

### Seoul



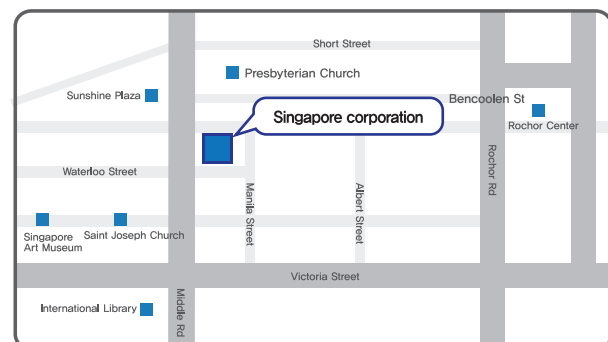
- Address : 198 Baumo-i-ro Shinwoo Bldg., Seocho-gu, Seoul
- TEL + : 02-2137-3000 • FAX : 02-2137-3010

### Vietnam CTY TNHH SHINWOO VIETNAM



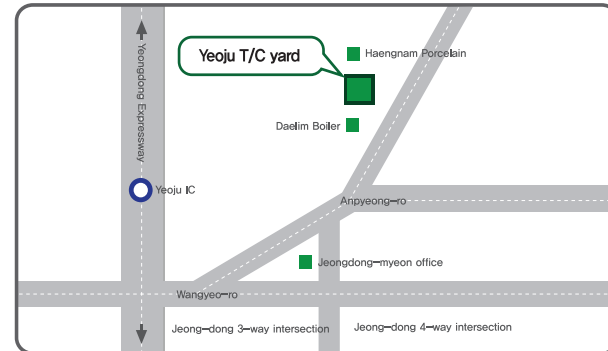
- 323, NGUYEN DU STREET, HA TINH CITY, HA TINH PROVINCE, VIETNAM
- TEL : +84. 9. 8895. 9995

### Singapore SWD GLOBAL PTE. LTD.



- 190 MIDDLE ROAD, #14-10 FORTUNE CENTRE, SINGAPORE (188979)
- TEL : +65. 6339. 3938

### Yeoju



- Address : 75 Anpyeong-ro, Jeomdong-myeon, Yeoju-si, yeonggi-do
- TEL + : 031-886-8449 • Fax : 031-886-8450

### Malaysia SWD GLOBAL MALAYSIA SDN. BHD.



- D-05-02, PLAZA MONT' KIARA, 2 JALAN KIARA, MONT' KIARA, 50480 Kuala Lumpur, Malaysia
- TEL : +60. 3. 6206. 3066



SHINWOO | Yeoju T/C yard

