

# HANYOUNG INDUSTRY



Hanyoung Industry - Global Company Taking Korea to the World

**Hanyoung Industrial.Co.,Ltd.**

 **주식회사 한영산업**  
Han Young Industrial Co., Ltd.

Global HANYOUNG Industry

# Hanyoung Industry, small but globally powerful





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# MESSAGE FROM THE CEO

## Hanyoung Industry, building the world's strongest shipbuilding nation

With a decade of experience in creativity and innovation, Hanyoung Industry is poised to lead the way for Korea's shipbuilding industry in the next decade as a small but globally powerful company.

Established in 2000, Hanyoung Industry overcame fierce competition and a difficult industry environment through a pioneering spirit and innovative management, growing into one of Korea's top shipbuilding, marine plant and transport and unloading machinery companies. We have spent the past decade working to meet the needs of our valuable customers, securing technological capabilities and price competitiveness and leading quality through ceaseless technology development. Hanyoung Industry is now poised to become a true global leader, taking its experience in dominating the domestic market into the wider global market to compete with the world's leading companies. We will continue to react quickly and actively to market changes, develop our future through innovation and ambition, provide the highest level of quality to our customers, and contribute to the growth and development of our community, society and nation. Thank you for your support!

Hanyoung Industrial Co., Ltd.  
Woong Han, CEO





# History

We will reach for the top with drive and passion

- 2014. 12 Open Hanyoung 3rd Factory(Gwang Yang)
- 2014. 11 Awarded Export Prize for USD 30million
- 2013. 01 Certified Company of AS9100:2009  
(Manufacture of Machined Parts and Tools for Aerospace)
- 2012. 12 Awarded Contributor to Export
- 2012. 10 Established R&D Center
- 2012. 10 Certified Company of Steel Structure Manufacturing (Bridge)
- 2011. 09 Certified Company of ISO 14001/2004 (Environmental)
- 2011. 04 Set to Operation of No.2 Factory(66,000 m<sup>2</sup>)
- 2010. 09 Open the Port Pre-Erection Yard
- 2009. 11 Awarded Export Prize for USD 10million
- 2009. 07 Certified Company of OHSAS 18001/2007 (Health & Safety)
- 2009. 06 Nominated Prospective Export Firm
- 2009. 06 Certified Company of ASME STAMP (U,S,PP)
- 2008. 06 Certified Management Innovation of Small &  
Medium sized Enterprise
- 2008. 03 Awarded Export Grand Prize by Jeonnam Province
- 2004. 07 Certified Company of ISO 9001/2009 (Quality)
- 2002. 12 Achieved Sales amount of 10 million Dollar.
- 2001. 09 Launched Ship Block Assembly
- 2000. 12 Set to operation of production
- 2000. 04 Established Han Young Industrial Co., Ltd.





# Global powerhouse, world market leader



## ■ Management Overview

Hanyoung Industry produces and exports marine plants, shipbuilding blocks, goliath cranes, transportation and unloading equipment, and mining equipment to markets all over the world including Australia, Europe, India and Southeast Asia. We are committed to developing our company into a global leader based on a solid foundation of respect for our customers, love for our stakeholders, and dedication to quality and innovation.

## ● Factory

Production, assembly plant (No.1 & No.2)	200,000 m <sup>2</sup>	
Outfitting factory	4,000 m <sup>2</sup>	
Machine Shop	1,500 m <sup>2</sup>	
No 1 Main Port assembly area	66,000 m <sup>2</sup>	
No 2 Main Port assembly area	100,000 m <sup>2</sup>	Future
Port assembly area	75,900 m <sup>2</sup>	Future
Block depot	66,000 m <sup>2</sup>	
<b>TOTAL</b>	<b>513,400 m<sup>2</sup></b>	

### Number of Employees

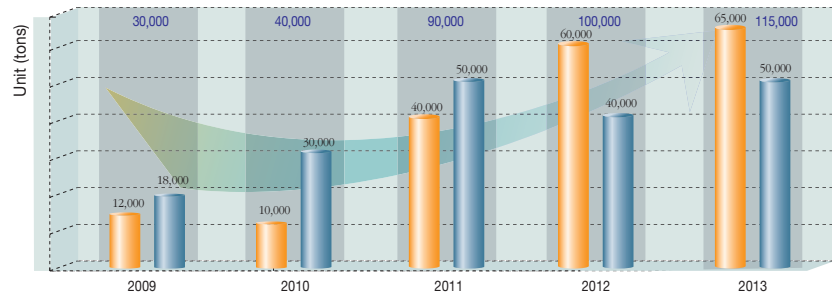
500 (100 employees, 400 subcontractor employees)

### Major Products

Vessel block and marine structure  
Industrial moving machines and plant

## ● Annual Production and Goals

Sustained technology development, cost-cutting measures and quality innovation has enabled us to expand our annual production, and we are confident of remarkable growth in the 21st century.



## ● Certifications



Safety Health  
K OHSMS 18001 : 2007



Safety Health  
OHSMS 18001 : 2007



Quality  
KS Q ISO 9001 : 2008



Quality  
KS Q ISO 9001 : 2008



Quality  
ISO 9001 : 2008



Environmental  
K ISO 14001 : 2004



Environmental  
ISO 14001 : 2004



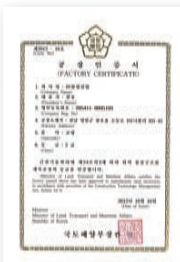
ASME U STAMP



ASME S STAMP



ASME PP STAMP



Facility certificate



GL



DNV



GL



LR





▼ View of Port Main Assembly Area And 700Ton Goliath Crane

Our unique production methods provide one-stop processes for mega and giga blocks for ships, marine plants, and ultra-large moving machines.



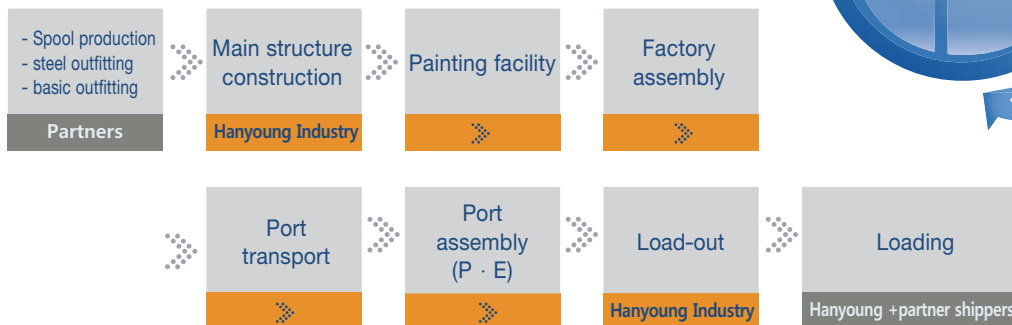
## Competitive Capabilities

The competitive capability of Hanyoung Industry lies in a one-stop system encompassing production to loading, reducing logistics, material and construction costs. Our large-scale production facility and top-class machinery enable us to achieve perfect quality and production facilities matching the highest global standards.



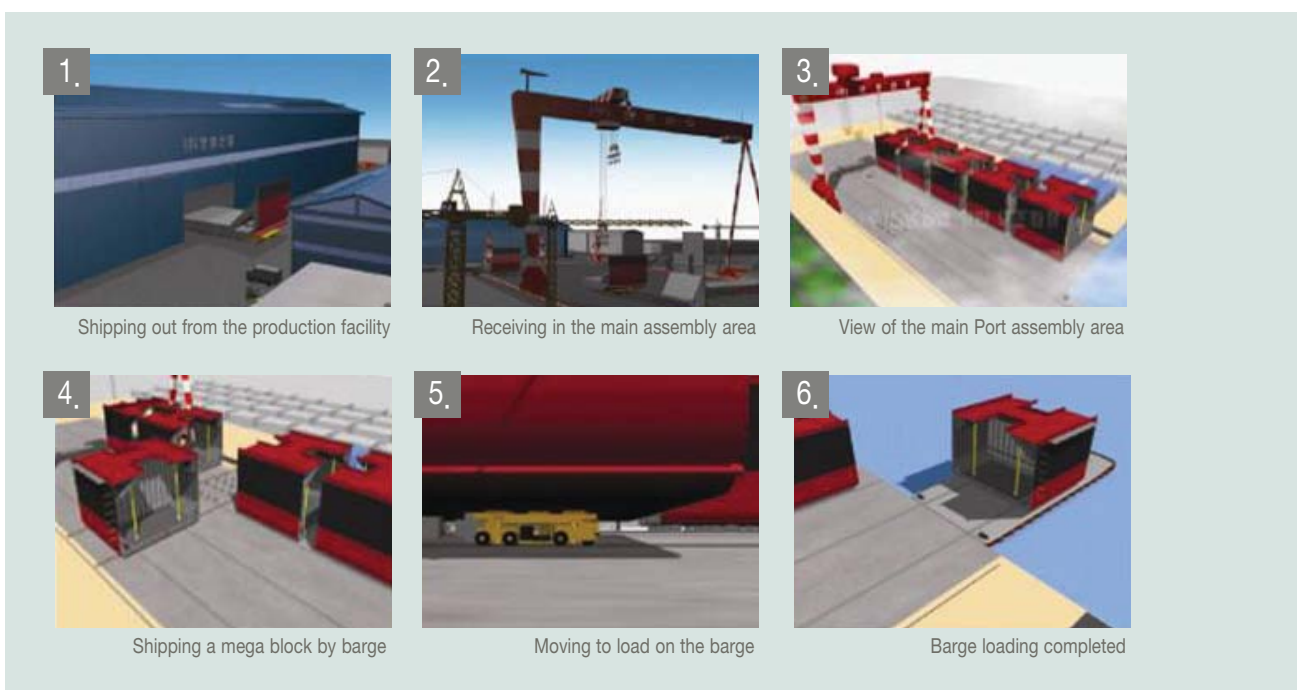
## ● One-stop System

Hanyoung Industry operates an one-stop system from processing, manufacturing, assembly, packaging, and shipping to loading—possessing the ability to ship or receive products to and from all leading global companies,



## ● Load-out System

Hanyoung Industry load-out system reduces production time by moving major assembly from the production facility to the Port, giving Hanyoung the ability to deliver top quality thanks to its prime coastal production location,



## ● Expected Effects

Prime location	Lower logistics costs	Reduced production time	Highest quality and safety standards
Quay wall structure that facilitates large ship dockin (quay wall: 1000m / depth: 15-20m)	One-stop process from production to loading	Hanyoung Industry technological edge cuts production and assembly time	equipment and facility standards ensure safety and perfect quality

Today is better than yesterday,  
tomorrow is a step beyond today



## Equipment

We operate a perfect production system using Korea's best production facility and equipment that meets and even exceeds global standards.



## ● Major Equipment



▶ 800ton transporter / 7m(W) x 27(L)



▶ 450ton transporter / 6m(W) x 21(L)



▶ 350ton transporter / 5m(W) x 17(L)



▶ 320ton transporter / 6m(W) x 18(L) \_ 2 units



▶ Gantry crane 320tons



▶ 700ton goliath crane to be installed

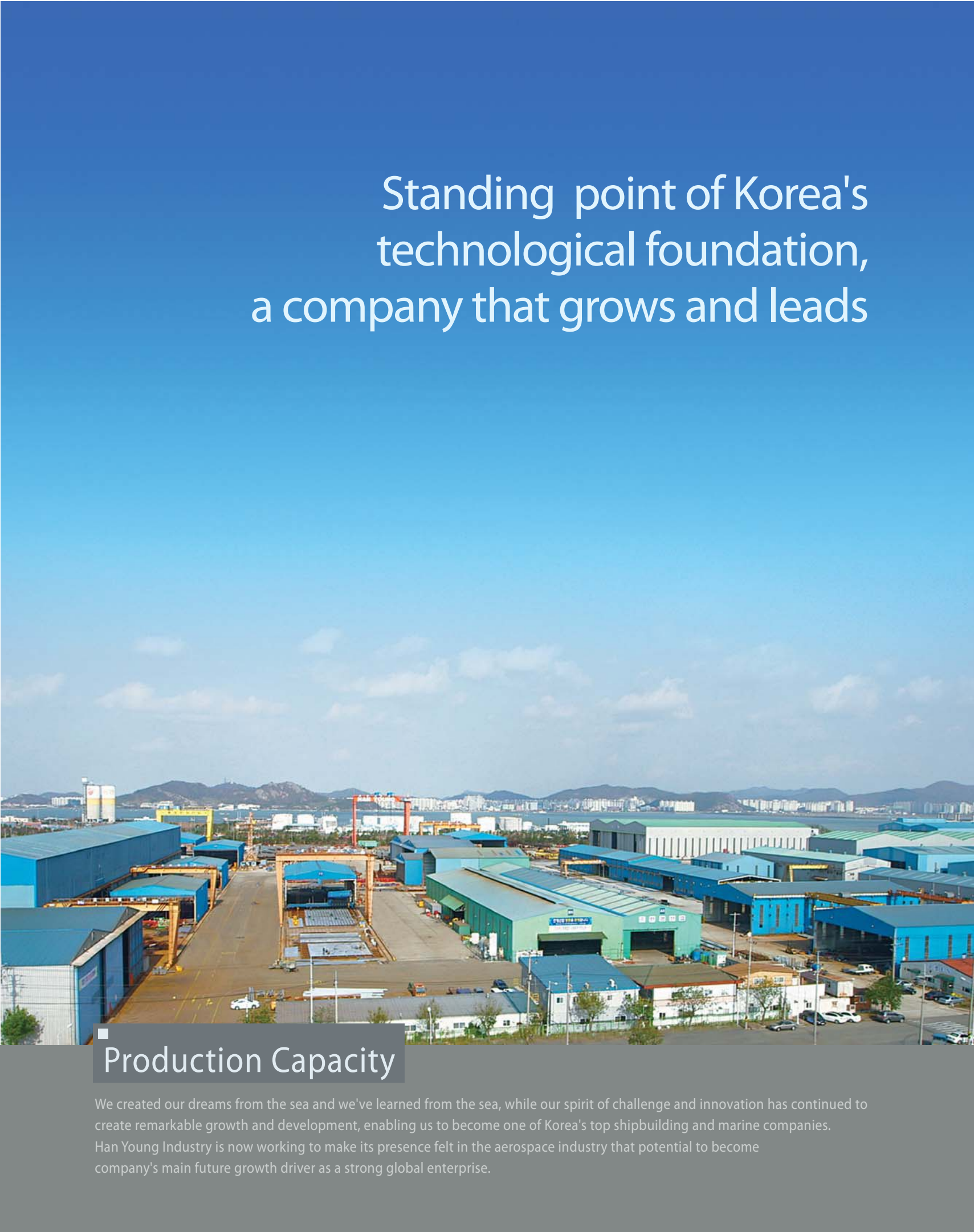


▶ PRESS-ROLL BENDING M/C 1,00MM x 3,600W



▶ MAINPULATE TYPE AUTO WELDING M/C

Hanyoung maintains equipment that is ideal for production and transport, and is planning installation of a 700-ton goliath crane to meet the demands of the global market.



# Standing point of Korea's technological foundation, a company that grows and leads

## ■ Production Capacity

We created our dreams from the sea and we've learned from the sea, while our spirit of challenge and innovation has continued to create remarkable growth and development, enabling us to become one of Korea's top shipbuilding and marine companies. Han Young Industry is now working to make its presence felt in the aerospace industry that potential to become company's main future growth driver as a strong global enterprise.



## ● Production capacity by plant

NO	Shop (Factory)	Total Area(m²)	Capacity (Ton)						Crane Capa.	Remarks
			Manufacturing			Painting		Pre- Erection		
			Sub Assembly	Unit Assembly	Grand Assembly	Shot Blasting	Painting			
1	No.1 Shop (Daebul)	134,000	4,000	6,000	8,000	8,000	10,000		O.H.C & G/C (35Sets)	
2	No.2 Shop (Daebul)	66,000	3,000	4,000	6,000	8,000	8,000		O.H.C & G/C (21Sets)	
3	No.3 Shop (Gwangyang)	75,900	2,000	3,000	6,500	6,000	13,000	5,000	O.H.C & G/C (14Sets)	Future
4	Daebul P.E	66,000						10,000	350Ton G/C (4Sets)	
5	Port P.E	100,000						15,000	700Ton GG/C (1Sets)	Goliath Crane
Total		441,900	9,000	13,000	20,500	22,000	31,000	30,000		

►P.E. (Pre-Erection Area)

Not satisfied with its current leading positions in shipbuilding blocks, large moving machinery and overseas plant operations, Han Young is currently working to establish its presence in constructing large-scale marine plant modular products, over-water bridges and in the aerospace industry in order to ensure continued growth and expansion for the company.

▼ No. 2 Factory



# Project Name : GOLIATH CRANE(900 ton) production / installation



Customer	Samsung Heavy Industry Co.
Fabricator	HANYOUNG Indus. Co.,Ltd.
Delivery Date	Sep. 2009
Location	Geoje Shipyard
Machine / No	8644,8645

▲ View of the site



▲ Factory P.E. operation



▲ Port P.E. operation



▲ Ready for shipment



▲ Shipping out of Daebul Port



## Project Name : GOLIATH CRANE(2000T, 1800T, 1500T) Fabrication



▲ Picture of Departure for Shipyard

Customer	ENGEXIX	EEP	DHSC
Contractor	KONECRANES		
Fabricator	HANYOUNG Indus. Co.,Ltd.		
Delivery Date	June 2012	Jan 2014	Mar 2015(plan)
Location	BRAZIL ENGEXIX Shipyard	BRAZIL EEP Shipyard	KOREA DHSC
Machine / No	G1369	G1504	G889



▲ Fabrication Girders



▲ GIRDER(UPPER + LOWER) P.E



▲ Shipping



▲ Picture of Take-off Daebul Port

# Project Name : ABBOT POINT(Australia) C-679 Stacker Reclaimer



Customer	PCQ
Contractor	SANDVIK / SMCA
Fabricator	HANYOUNG Indus. Co.,Ltd.
Delivery Date	Sep. 2007
Location	Australia ABBOT POINT
Machine / No	C-679 Reclaimer

▲ Picture of trial running on site



▲ Ship loading : B/W BOOM (Weight : About 120ton)



▲ Picture of trial running on site



▲ Picture of trial running on site



▲ Picture of trial running on site



## Project Name : PWCS(Australia) 642 – Reclaimers



Customer	PWCS (RIO TINTO)
Contractor	SANDVIK / SMCA
Fabricator	HANYOUNG Indus. Co.,Ltd.
Delivery Date	Jan. 2010
Location	Australia PWCS
Machine / No	Reclaimer 04.12 / 04.59 / 04.60

▲ Picture of trial running on site



▲ Ready for ship loading - Bucket Wheel Boom



▲ Picture of trial running on site



▲ Picture of trial running on site



▲ Picture of trial running on site



# Project Name : HAY POINT – X3 SHIP LOADER(SL-3) Fabrication & Assembly, Dlivery

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Client	BMA
Customer	BECHTEL
Fabricator	HANYOUNG Indus. Co.,Ltd.
Delivery Date	May 2014
Location	Australia HAY POINT
Machine / No	SL-3

▲ SHIP LOADER - Ship Loading



▲ SHIP LOADER - Ship Loading



▲ SHIP LOADER - Ship Loading



▲ SHIP LOADER - Ship Loading



▲ SHIP LOADER - Ship Loading



## Project Name : HYUNDAI Steel Phase3 Laddle Crane Fabrication & Delivery



Client HYUNDAI Steel	Contractor HYUNDAI ROTEM
Fabricator HANYOUNG Indus. Co.,Ltd.	
Delivery Date Oct. 2012	
Location HYUNDAI Steel(Dang Jin)	
Machine / No SM20	

▲ Picture of Assembly 480ton OVER HEAD CRANE



▲ Preparation for Shipment



▲ Picture of Departure from Daebul Port

## Project Name : POSCO Gwangyang Plant product port facility pontoon production and installation



▲ Pontoon installation and top device installation

Customer POSCO / POSCO E&C
Fabricator HANYOUNG Indus. Co.,Ltd.
Delivery Date Sep. 2007
Location Gwangyang Steel Works
Machine / No M9005



▲ Seaborne transport of the pontoon (waiting for entry into the Gwangyang container facility)



▲ Offloading the pontoon and launching  
(Sama No. 2200 F/C Offloading and launching operation)

# Project Name : Yi Sun-Sin Bridge Steel Bridge Fabrication & Delivery



▲ View of the Yi Sun-Sin suspension bridge site

## Customer

Jeollanam-do / Daelim Ind. Co., Ltd.

## Fabricator

HANYOUNG Indus. Co.,Ltd.

## Delivery Date

Nov. 2011

## Location

Yeosu ↔ Gwangyang

## Type

Suspension Bridge

## Size

29m(W) x 2,260m(L)



▲ Pre-Assembly



▲ Painting



▲ Ready for shipment



▲ Shipping out of Daebul Port



# Project Name: Vessel / PRODUCT CARRIER DECK PIPE UNIT production / installation



Customer  
PARAMOUNT

Contractor  
Sungdong Shipbuilding and  
Marine Engineering Co.

Fabricator  
HANYOUNG Indus. Co.,Ltd.

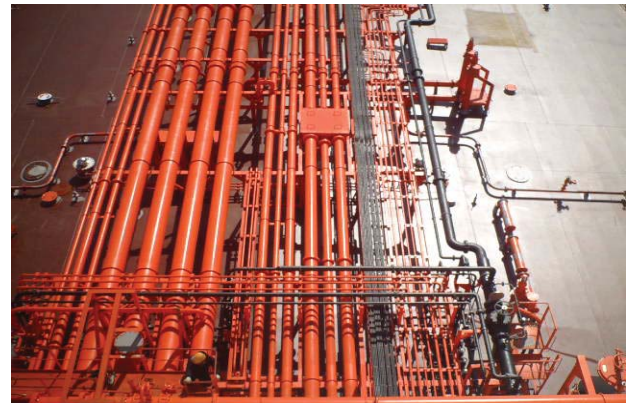
Delivery Date  
May 2010

Block / No  
S2007 GD-BLK

▲ UPPER DECK P.E.-BLK and UNIT completed



▲ UNIT production



▲ Primary UNIT installation after P.E.



▲ Secondary UNIT installation after P.E.



▲ Tertiary UNIT installation after P.E.

## ● Transportation and offloading machinery - Projects 1

NO.	DESCRIPTION	COUSTOMER / OWNER	LOCATION	PROJECT / ITEM NAME	Q'TY	YEAR
1	GOLIATH CRANES	DaeHan Shipbuilding	KOREA	1500 ton G.G.C	6,040 ton	2014
2		EEP/KONECRANES	BRAZIL	BRAZIL EEP Shipyard 1,800톤 G.G.C - 1 unit	6,000 ton	2013
3		ENGEVIX / KONECRANES	BRAZIL	BRAZIL ENGEVIX 2000Ton GGC(G1369) - 1 unit	4,800 ton	2011
4		SUNG Dong Shipbuilding	KOREA	Masan factory 700 ton GOLIATH CRANE - 1 unit	2,100 ton	2010
5		SUNG Dong Shipbuilding	KOREA	No. 2 Yard 700 ton GOLIATH CRANE - 1 unit	2,100 ton	2009
6		SAMSUNG Heavy industries	KOREA	3DOCK 900 ton GOLIATH CRANE - 2 units	4,300 ton	2009
7		SAMSUNG Heavy industries	KOREA	Shinhannae 900 ton GOLIATH CRANE - 1 unit	2,100 ton	2008
8		SAMSUNG Heavy industries	KOREA	No. 4 quay wall 800 ton GOLIATH CRANE - 1 unit	2,000 ton	2008
9		SUNG Dong Shipbuilding	KOREA	No. 2 Yard 900 ton GOLIATH CRANE - 1 unit	3,100 ton	2008
10		SAMSUNG Heavy industries	KOREA	1DOCK 600 ton GOLIATH CRANE - 2 units	3,800 ton	2007
11	OVER HEAD CRANE	HYUNDAI STEEL	KOREA	HYUNDAI STEEL HY Steel phase3 Laddle Crane480Ton- 5 units	1510 ton	2012
12	CONTAINER CRANE (PORTAINER)	HYUNDAI SAMHO	KOREA	PSA CONTAINER CRANE MAIN STRUCTURE	4,500 ton	2005
13		HYUNDAI SAMHO	KOREA	BALVOA CONTAINER CRANE MAIN STRUCTURE	450 ton	2005
14		HYUNDAI SAMHO	KOREA	PECT CONTAINER CRANE MAIN STRUCTURE	1,850 ton	2005
15		HYUNDAI SAMHO	KOREA	CONTAINER CRANE MAIN STRUCTURE	500 ton	2005
16		HYUNDAI SAMHO	KOREA	HKT CONTAINER CRANE MAIN STRUCTURE	700 ton	2005
17	BULK TRANSPORT & CARGO-WORKING EQUIPMENT (STACKER / RECLAIMER)	ADANI	AUSTRALIA	APCT Ship Loader(SL1) Upgradation 1 SET	1,300 ton	2013
18		BMA / BECHTEL	AUSTRALIA	HAY POINT EXPANSION STAGE 3 SHIP LOADER	1,900 ton	2011
19		PWCS / SANDVIK	AUSTRALIA	RECLAIMER FOR PWCS - 3 unit	3,300 ton	2009
20		SANDVIK / SMCA	SOUTH AFRICA	STACKER / RECLAIMER For SALDANHA	730 ton	2007
21		SANDVIK	AUSTRALIA	STACKER For DBCT(ST-4) - 1 unit	270 ton	2007
22		SANDVIK	SOUTH AFRICA	RECLAIMER For ASSMANG - 2 unit	420 ton	2007
23		SANDVIK	AUSTRALIA	STACKER / RECLAIMER For ABB OT POINT	830 ton	2006
24		SANDVIK / VAMH	AUSTRALIA	STACKER / RECLAIMER For DBCT - 3 unit	1,400 ton	2006
25		SAMSUNG Heavy industries	KOREA	Boryeong thermal power STACKER / RECLAIMER - 3 units	750 ton	2006
26		SAMSUNG Heavy industries	KOREA	POSCO FINEX STACKER / RECLAIMER - 5unit	1,000 ton	2006
27		SAMSUNG Heavy industries	KOREA	POSCO FINEX STACKER / RECLAIMER - 3unit	400 ton	2005

Hangyoung not only constructs or manufactures a product, but also specializes in turn-key projects that meet customer needs for production, transportation, installation and testing as part of the company's efforts to grow into a corporate brand that provides integrated business solutions.



## ● Marine plants and steel structures - projects 2

NO.	DESCRIPTION	COUSTOMER / OWNER	LOCATION	PROJECT / ITEM NAME	Q'TY	YEAR
1	Marine plants	POSCO / POSCO Construction	KOREA	Gwangyang Steel Works product dock pontoon production, installation	2,700 ton	2010
2		SAMSUNG Heavy industries	KOREA	Marine drill ship GAZFLOT structure	450 ton	2010
3		HYUNDAI Construction Co,	KOREA	Busan Namhang Bridge JIG JACKET production	500 ton	2003
4		Ministry of Maritime Affairs & Fisheries	KOREA	Yieodo Marine Science Facility JACKET production	4,500 ton	2002
5		KEPCO Southeast	KOREA	Yeongeung Thermal Power Nos. 1 and 2 docking facility production	3,300 ton	2002
6		KEPCO Southeast	KOREA	Yeongeung Thermal Power 345KV T/L production	1,800 ton	2000
7		KEPCO West	KOREA	Taeam Thermal Power Nos. 5 and 6 docking facility production	3,000 ton	2000
8	Over-water steel bridges and structures	Daelim Industry	KOREA	Yisunshin Bridge steel structure production and construction (constructions sector 3-2)	12,180 ton	2011
9		SUNGDOG Shipbuilding	KOREA	Steel work for new factory construction production, installation	5,500 ton	2003
10		SUNGDOG Shipbuilding	KOREA	Steel work for new factory construction production, installation	6,000 ton	2003
11		KORAIL / Sampyo	KOREA	Steel structure for railway bridge production	4,500 ton	2003
12		Gyeongin Engineering	KOREA	Steel work for new factory construction production, installation	1,500 ton	2002
13		DongYang Corporation	KOREA	Steel work for new factory construction production, installation	3,500 ton	2002
14		Sungdong Industry	KOREA	Steel work for new factory construction production, installation	4,500 ton	2002

## ● Ship block and materials - projects 3

NO.	DESCRIPTION	COUSTOMER / OWNER	LOCATION	PROJECT / ITEM NAME	Q' TY	YEAR
1	Ship BLOCK	Hyundai Mipo Dockyard	KOREA	Ship BLOCK production	4,000 ton	2014
2		SUNGDOG Shipbuilding	KOREA	Ship BLOCK production	11,000 ton	2014
3		STX Offshore & Shipbuilding	KOREA	Ship BLOCK, UPPERDECK	6,000 ton	2014
4		Mokpo Shipbuilding	KOREA	Defense Acquisition Program Administration / Mooring Support Craft	800 ton	2014
5		SUNGDOG Shipbuilding	KOREA	Ship DECK BLOCK production	15,000 ton	2012
6		SUNGDOG Shipbuilding	KOREA	Ship DECK BLOCK production	26,000 ton	2011
7		SUNGDOG Shipbuilding	KOREA	Ship DECK BLOCK production	28,000 ton	2010
8		SUNGDOG Shipbuilding	KOREA	Ship DECK BLOCK production	45,000 ton	2009
9		SUNGDOG Shipbuilding	KOREA	Ship DECK BLOCK production	28,000 ton	2008
10		SUNGDOG Shipbuilding	KOREA	Ship BLOCK production	15,000 ton	2007
11		Daewoo Shipbuilding & marine Engineering	KOREA	Ship BLOCK production	8,000 ton	2007
12		Daewoo Shipbuilding & marine Engineering	KOREA	Ship BLOCK production	9,000 ton	2006
13	PIPE	SUNGDOG Shipbuilding	KOREA	Ship Deck Pipe UnitProduction / Installation(75k,FSO)	5ship	2012
14		SUNGDOG Shipbuilding	KOREA	Ship DECK PIPE UNIT production, installation (75K P/C, 158K COT)	5ship	2011
15	UNITS	SUNGDOG Shipbuilding	KOREA	Ship DECK PIPE UNIT production, installation (115K COT)	11ship	2010
16		SUNGDOG Shipbuilding	KOREA	Ship DECK PIPE UNIT production, installation (115K COT)	6ship	2009
17	HATCH COVER & CAR DECK	SUNGDOG Shipbuilding	KOREA	Ship DECK PIPE UNIT production, installation (75K COT)	2ship	2008
18		SUNGDOG Shipbuilding	KOREA	Ship DECK PIPE UNIT production, installation (75K COT)	4ship	2007
19		SUNGDOG Shipbuilding	KOREA	Ship HATCH COVER - 5 vessels	2,500 ton	2008
20		대우조선해양	KOREA	Ship HATCH COVER - 1vessel	700 ton	2007
21		SUNGDOG Shipbuilding	KOREA	Ship HATCH COVER - 8 vessels	6,000 ton	2006
22		MITSUBISHI	JAPEN	Ship CAR DECK	1,500 ton	2005

## ***We are creating a new World***

Not satisfied with its current leading positions in shipbuilding blocks, large moving machinery and overseas plant operations, Hanyoung is currently working to localize marine plant materials and components and establish its presence in constructing large-scale marine plant modular products, over-water bridge.



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