



BREATHING LIFE INTO STEEL

철에 혼을 담는 기업, 건화

경상남도 거제시 사등면 성포로303

303, Seongpo-ro, Sadeung-myeon, Geoje-si, Gyeongsangnam-do, Republic of Korea

Tel. +82 55. 680. 5600 Fax. +82 55. 680. 5780

Awakening The **Spirits** Through Our Passion,
Breathing Life Into **Steel**



CONTENTS

Company Profile	3
History	5
Competitiveness	7
Major Production	15
Performance	19
Quality Management	21
HSE Management	22
Core Business	23

COMPANY PROFILE

Overview

건화공업(주)는 조선·해양 블록 제작 전문 기업으로 생산부지 224,011㎡, 생산능력 120,000TON/년, 절단·조립·의장·도장·탑재에 이르는 일관생산시스템을 갖추고 있습니다. 고객의 눈높이에 맞는 차별화된 제품을 공급하기 위해 끊임없이 혁신하여 지속적인 성장을 추구해 나가고 있습니다.

Kunhwa Industries was established in 1995 and is now one of the largest block manufacturing factory in Korea. Kunhwa Industries has developed an integrated production system from Cutting to Pre-Erection, with a production site of 224,011m² and the capacity to produce 120,000 ton/year. We will strive to pursue continuous improvements to ensure customers' growth and future developments.

회사명	Company Name	주소	Address	대표전화	Telephone
건화공업(주)	Kunhwa Industries Co., Ltd.	경상남도 거제시 사등면 성포로303	303, Seongpo-ro, Sadeung-myeon, Geoje-si, Gyeongsangnam-do, Republic of Korea	+82 55. 680. 5600	



Business Philosophy

Knowledge management is the foundation of our company in which we communicate in a harmonious environment to bring transformation that drives innovation, impacting the world.



Symbol



하나된 마음으로 세상을 밝히다.

Shining a light in the world, together in unity.

건화의 심볼마크는 하나의 광원으로 세상을 밝히는 태양처럼 소통과 화합을 통한 하나된 마음으로 세상을 조용히 변화시키는 건화의 혁신 의지를 상징합니다.

Kunhwa's logo symbolizes our will to always innovate and unobtrusively bring better changes to the world through a unified approach, as the logo itself resembles the sun lighting up the world as our one light source.

HISTORY

건화공업(주)가 걸어온 길은 **Global No.1** 대한민국 조선역사와 함께 해왔습니다.
이제 글로벌 리더의 동반자로서 혁신의 새 역사를 열어갑니다.

Kunhwa Industries's journey shares the history of South Korea's dominance as the global leader in the shipbuilding industry. In today's current market, we are witnessing a new chapter in history of innovation, leading the global economy.

NO.1

1995 건화공업(주) 설립
Established Kunhwa Industries

1996 삼성중공업(주) 대형 선박용
선수/선미 블록 공급
Supplied Fore & Stern block for SHI

2000 ISO 9002 획득
Obtained ISO 9002
(Quality Management System Certificate)

2001 대형 Pre-Erection 블록 삼성중공업 초도 출하
First supplied Pre-Erection block to SHI

2003 ISO 9001:2000 획득
Obtained ISO 9001
(Quality Management System Certificate)

2005 Lloyd's Register 공장승인
Lloyd's Register approved manufacturer

2008 공장 확장 증축
Site Expansion (Assembly, Painting, Shelter)

2009 ISO 9001 & KOSHA 18001 획득
Obtained ISO 9001
(Quality Management System Certificate) &
KOSHA 18001
(Acquisition Health and Safety Management
System Certification)

2010 WPS 인증 획득 (Lloyd 선급)
Approved by Lloyd's Register for WPS

2012 성포공장 설립 (총면적 143,509㎡)
Established Seongpo factory (Total Area: 143,509㎡)

2013 Offshore 상부 구조물 제작
Fabricated Offshore structure

2014 삼성중공업(주) 최우수 협력사 선정
SHI Most Valuable Partner Award

2016 국내 선박용 블록 제작업체 중 최초
Engine Room GIGA 블록 제작
Fabricated initial Engine Room GIGA P.E Block
among ship block manufacturers in Korea

2017 ISO 14001 & OHSAS 18001 획득
Obtained ISO 14001 & OHSAS 18001
(Acquisition Health and Safety
Management System Certification)

2018 ISO 9001 획득 및 DNV·GL 공장승인
Obtained ISO 9001
(Quality Management System Certificate) &
DNV·GL approval of manufacturers

2019 삼성중공업(주) 우수협력사 선정
SHI Best Subcontractor Award



COMPETITIVENESS

1 건화공업 성포공장 | Kunhwa Industries - Seongpo

TOTAL AREA 143,509 m² [약 4만3천평]

공장면적 | Manufacturing Site

Total Area	83,739m ²
Assembly Shop	36,334m ²
Painting Shop	7,405m ²
Pre-Erection Area	40,000m ²

생산능력 | Production Capacity

Block Assembly	84,000 ton/year
Outfitting	84,000 ton/year
Painting	66,000 ton/year
Pre-Erection	120,000 ton/year

주요시설 | Facilities

Goliath Crane	700ton
Transporter	3EA (600ton 외)



COMPETITIVENESS

2 건화공업 성포2공장 | Kunhwa Industries - Seongpo 2nd



① 의장공장 Outfitting Shelter
② P.E 작업장 Pre-Erection Area

TOTAL AREA 40,167 m² [약 1만2천평]

공장면적 Manufacturing Site

Total Area	13,005m ²
Outfitting Shelter	5,908m ²
Pre-Erection Area	7,097m ²

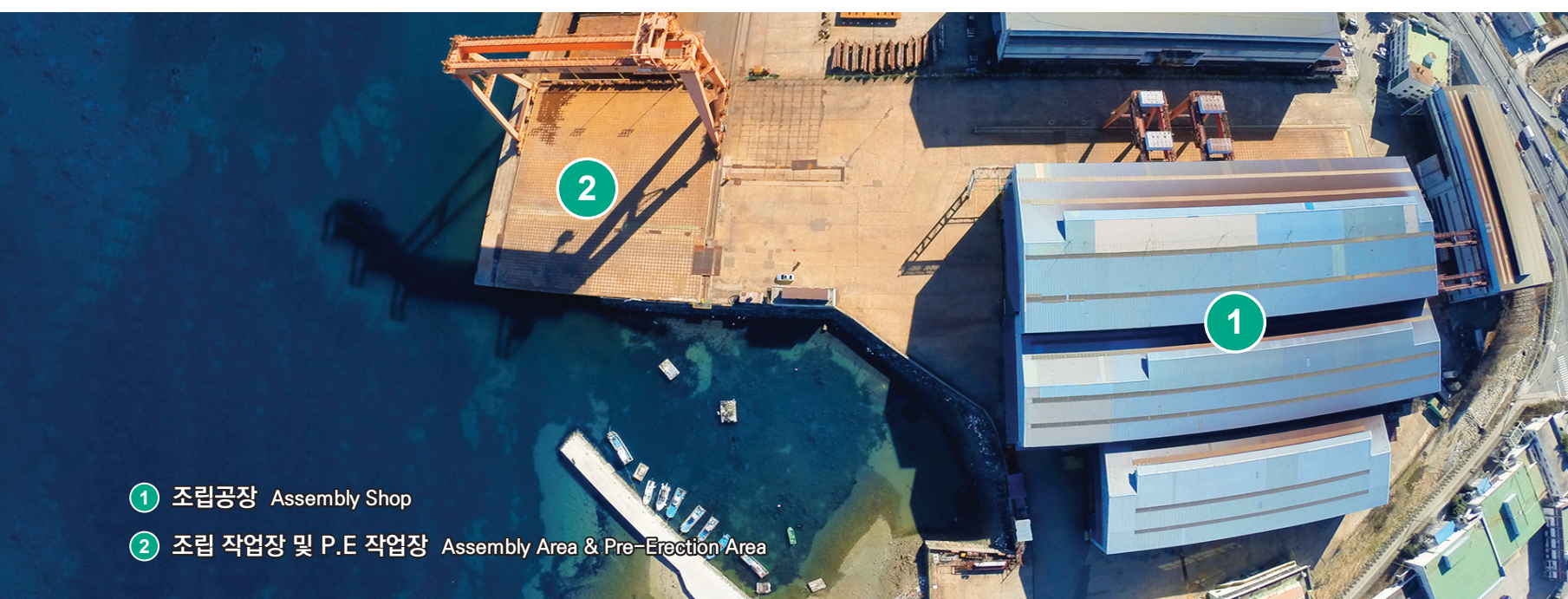
생산능력 Production Capacity

Outfitting	52,200 ton/year
Pre-Erection	44,000 ton/year

주요시설 Facilities

Transporter	350 ton
-------------	---------

3 건화공업 성내공장 | Kunhwa Industries - Seongnae



① 조립공장 Assembly Shop
② 조립 작업장 및 P.E 작업장 Assembly Area & Pre-Erection Area

TOTAL AREA 40,335 m² [약 1만2천평]

공장면적 Manufacturing Site

Total Area	18,477m ²
Assembly Shop	12,783m ²
Pre-Erection Area	5,694m ²

생산능력 Production Capacity

Block Assembly	36,000 ton/year
Outfitting	36,000 ton/year
Pre-Erection	19,100 ton/year

주요시설 Facilities

Goliath Crane	200 ton
Transporter	320 ton

COMPETITIVENESS



EVERYTHING
under the
ONE ROOF

1 절단·가공 | Cutting · Fabrication



2 소조립 | Sub-Assembly



3 중조립 | Mid-Assembly



4 대조립 | Grand-Assembly



5 의장 | Outfitting



6 도장 | Painting



7 탑재 | Pre-Erection



8 선적·출하 | Shipment



COMPETITIVENESS

**Innovation
Oceanic Steel Technology,**
emerging to new heights and standards

1 절단·가공 | Cutting · Fabrication

- 절단·가공 3개동 운영
[30m(W) x 182m(L) x 13m(H)]
- Plasma Cutter 5대, CNC Gas Cutter 1대
- 연간 12,000ton 절단능력
- 3 Shops in operation
[30m(W) x 182m(L) x 13m(H)]
- 5 Plasma Cutters, 1 CNC Gas Cutters
- Cutting Capacity : 12,000ton/year

2 소조립 | Sub-Assembly

- 소조립 2개동 운영
- 40ton Overhead Crane 47기
- 30ton Overhead Crane 27기
- 생산 능력 향상을 위한 Tact 시스템 구축
- 2 Shops in operation
- 4 40ton Overhead Cranes
- 2 30ton Overhead Cranes
- Formation of Tact system for improved production capacity

3 중조립·대조립 | Mid-Assembly · Grand-Assembly

- 5개의 중·대조립동 운영
- 250ton Overhead Crane 27기
- 200ton Overhead Crane 27기
- 3차원 조립 전문화 공장운영
 - 대형 선수/선미 곡BLOCK 전문화
 - 300ton급 초대형 조립 생산능력 보유
- 5 Shops in operation
- 2 250ton Overhead Cranes
- 2 200ton Overhead Cranes
- Operation of 3D-Assembly Specialized shop
 - Specialized in Large Fore/Stern + Curved Blocks
 - Successfully secured production capability for huge-sized block (300ton)

4 의장 | Outfitting

- 옥외 Shelter 6개동 운영
- 2.8ton Overhead Crane 97기
- 10ton Overhead Crane 27기
- 의장 품질 고급화 및 전천후 생산 구축
- 6 Outdoor Shelters in operation
- 9 2.8ton Overhead Cranes
- 2 10ton Overhead Cranes
- Enhanced outfitting quality + Establishment of all-weather manufacturing system

5 도장 | Painting

- 전처리shop 1개동 운영
[40m(W)X35m(L)X22m(H)]
- 도장shop 3개동 운영
[40m(W)X126m(L)X22m(H)]
- 전처리+도장 일체화 시스템 운영
- 1 Pre-Blasting shop in operation
[40m(W)X35m(L)X22m(H)]
- 3 painting shops in operation
[40m(W)X126m(L)X22m(H)]
- Integration of pre-blasting + painting system

6 탑재 | Pre-Erection

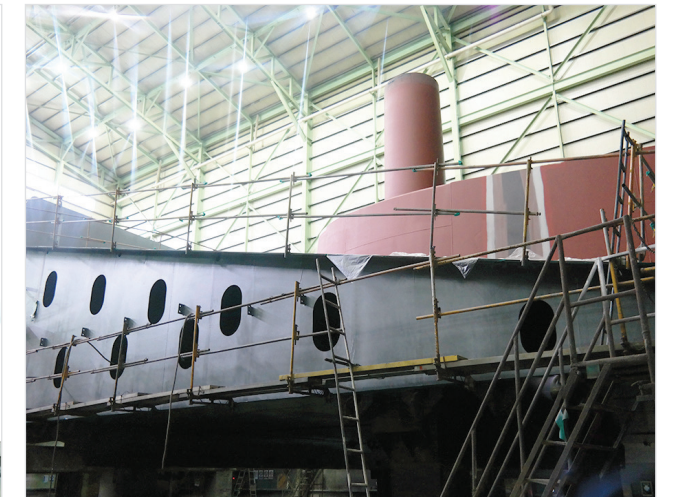
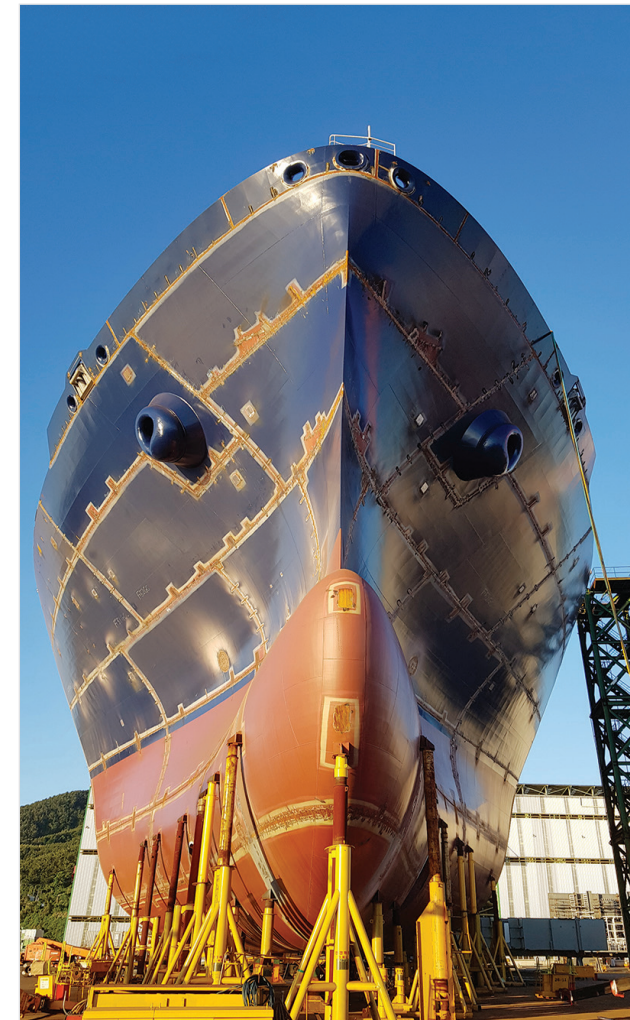
- 700ton Goliath Crane 17기
- Engine Room MEGA & GIGA P.E 전문화
 - 3EA GIGA, 3EA MEGA P.E BLOCK 동시 작업
 - 대형 선박 및 해양 플랜트 최적화
- 1 700ton Goliath Crane
- Specialization of Engine Room MEGA & GIGA Pre-Erection
 - Can work on 3EA GIGA & 3EA MEGA P.E Blocks simultaneously
 - Optimized for large vessels & offshore plants

MAJOR PRODUCTION

Container Ship

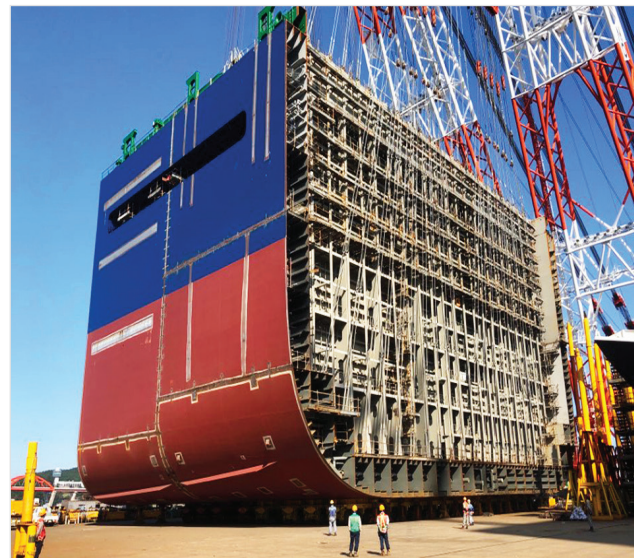
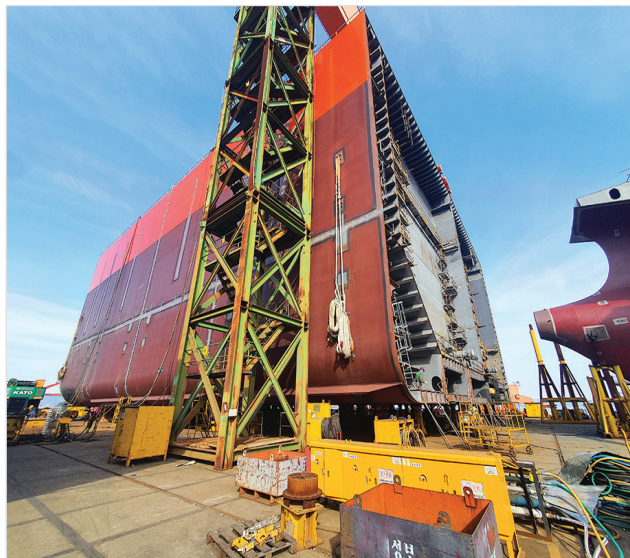


LNG · LPG Carrier



MAJOR PRODUCTION

PC · COT



Offshore Plant



PERFORMANCE

Belgium

- EURONAV (158K COT)

Denmark

- CELSIUS TANKERS (180K LNG)
- MAERSK (96K DRILLSHIP / 19,000 TEU / 50K PC)

England

- GOLAR LNG (170K LNG FSRU)
- ENSCO (78K DRILLSHIP)
- NAVIG8 (115K PC)
- LYRAS MARITIME (115K PC)
- FLEX LNG (174K LNG)
- BREAKWATER INTERNATIONAL (50K PC)
- REUBEN BROTHERS (82K BC)
- ZODIAC MARITIME (8,800 TEU)

France

- CMA CGM (16,000 TEU)

Germany

- REEDEREI NORD (114K PC)

Greece

- CARDIFF (174K LNG / 158K COT)
- MINERVA MARINE (174K LNG)
- UNISEA SHIPPING (113K COT)
- THENAMARIS (160K LNG)
- OCEAN RIG (96K DRILLSHIP)
- COSTAMARE (14,400 TEU)
- HORIZON TANKERS (50K PC)
- TSAKOS (75K PC)

Italy

- ENI CORAL (287K LFP)

Monaco

- GASLOG (174K LNG / 180K LNG)
- SCORPIO TANKERS (19,200 TEU / 180K BC)

Netherlands

- SHELL (455K LNG FPSO)

Norway

- SEATANKERS (96K DRILLSHIP)
- VIKEN SHIPPING (113K SHTL / 157K SHTL)
- SEADRILL (96K DRILLSHIP)
- STATOIL (850K FSU)
- AWILCO LNG (300K COT)
- ODFJELL (32K SEMI-RIG)

Sweden

- STENA (97K DRILLSHIP)

Switzerland

- MSC (19,170 TEU / 23,000 TEU)
- TRANSOCEAN (96K DRILLSHIP)

Nigeria

- BGT (175K LNG)

South Korea

- SK해운 (180K LNG)
- KOGAS (174K LNG)
- H-LINE (151K BC)
- HMM (23,000 TEU)

China

- BCLC (9,300 TEU)
- MINSHENG (9,300 TEU)
- SHANDONG SHIPPING (84K LPG)

Hongkong

- OOCL (21,100 TEU)

India

- RELIANCE INDUSTRIES (87K ETHANE)

Malaysia

- PETRONAS (177K LFP)

Taiwan

- EVERGREEN MARINE (12,000 TEU)

Japan

- MOL (170K LNG FSRU / 20,100 TEU)
- NYK (174K LNG)
- MBK (174K LNG / 50K PC)
- K-LINE (155K LNG)

Russia

- SOVCOMFLOT (42K ICE SHTL)
- GAZPROM NEFT (42K ICE SHTL)

Singapore

- AET (123K / 125K SHTL)
- BW (170K LNG FSRU)
- EASTERN PACIFIC SHIPPING (158K COT)

Brazil

- QGOG (96K DRILLSHIP)

Canada

- TEEKAY (130K SHTL / 147K SHTL)

Chile

- CSAV (9,300 TEU)

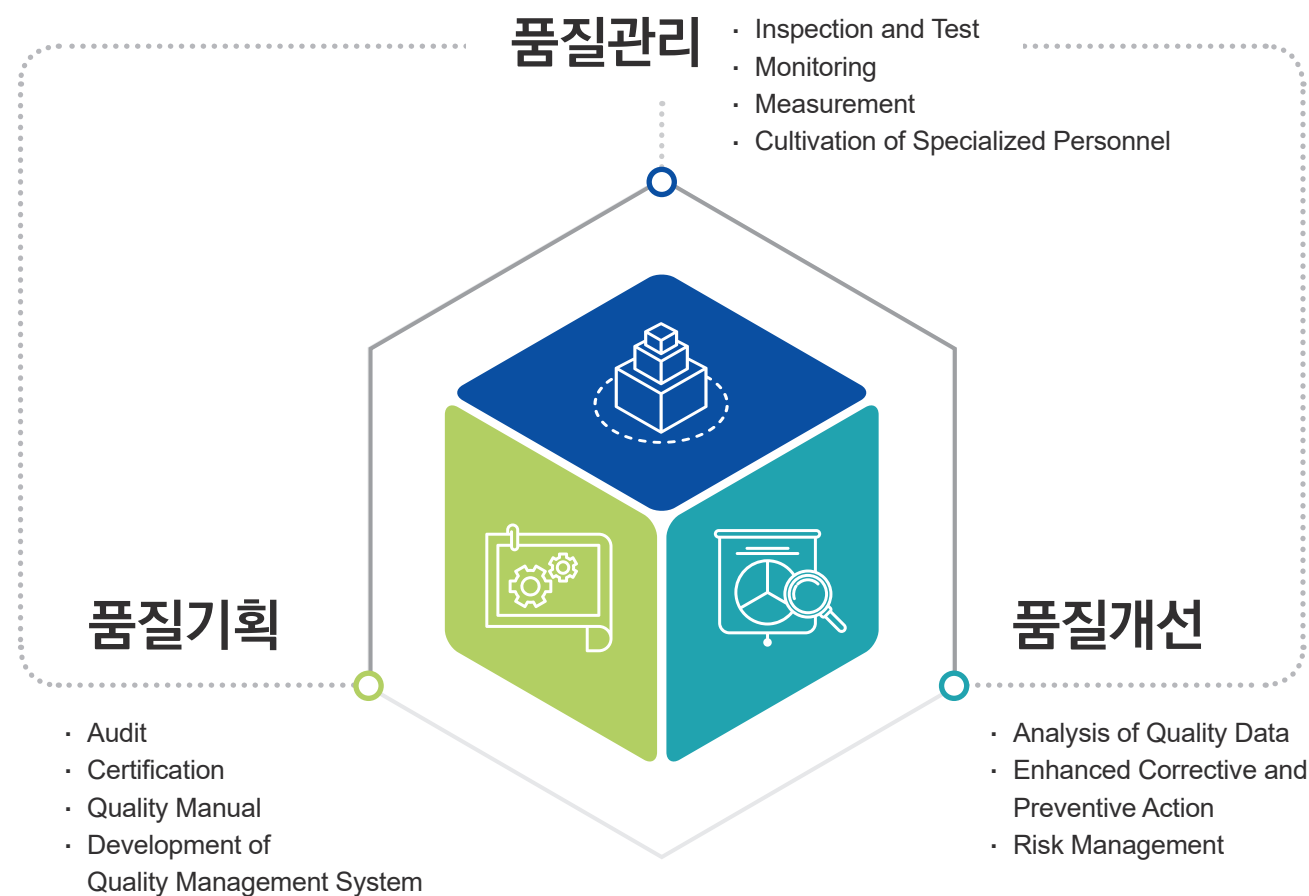
United States

- PDC (96K DRILLSHIP)
- CHEVRON (160K LNG / 156K COT)
- HESS (17K TLP)
- DELOS SHIPPING (96K ETHANE)

QUALITY MANAGEMENT

완벽한 품질경영으로 고객만족을 넘은 **고객감동**을 실현하다

Achieving customer satisfaction beyond expectation by striving perfection in quality management



ISO 9001



LR CERT



DNV-GL CERT

HSE MANAGEMENT

무재해를 향한 기본과 원칙에 **인간존중**의 가치를 담다

Creating an accident-free environment through basic fundamentals, principles, and a culture of respect



ISO 14001



OHSAS 18001

CORE BUSINESS

자원 재활용 사업부 Resource Recycling Division

40년 역사의 시작, 건화기업

1974년 고철사업으로 시작된 (주)건화기업은 자원 재활용분야를 선도하는 기업으로 성장하였습니다. 사회적 책임과 역할을 다하기 위해 환경 지속성을 추구하며 나아가 자원 순환경제 발전에 기여하고 있습니다.

The beginning of a 40 year history, Kunhwa Enterprise

The company was founded in 1974 as a scrap metal recycling business and has grown into a leading company in the field of recycling of resources. In order to fulfill our social responsibilities and roles, we pursue environmental sustainability through our dedication to resource recycling and economic development.

주요 취급 품목 SS400, SM490, HARDOX 등 철판 스크랩

Main Item Steel Scrap of SS400, SM490, HARDOX, etc.



주소 | 경상남도 창원시 성산구 창곡로 179-23 Tel. +82 55. 264. 2080

건설기계 사업부 Construction · Forestry Equipment Division

(주)건화 창원공장

1993년 설립한 건화기업과 건화 기계공업이 2008년 통합되어 (주)건화 창원공장으로 재편되었습니다. 현재 미국, 캐나다, 뉴질랜드, 일본 등의 글로벌 기업과 협력하고 있으며, 정부와 공동으로 건화 기술 교육원을 운영하여 우수한 인력을 양성하고 일자리 창출에 기여하고 있습니다.

Kunhwa-Changwon Factory

The company, which was established in 1993, was reorganized into the Changwon Factory in 2008 and is currently working together with global companies in US, Canada, New Zealand, and Japan. In cooperation with the government, we have created the Technical Education Center, in which we foster and develop skilled workers and contribute to increased job opportunities.

주요 생산품

건설기계 부품 : 굴삭기, 휠로더, 크레인, 지게차 등의 제관 부품
산림장비 부품 : 벌목 및 수확용 장비의 제관 부품

Main Products

Construction Equipment Parts : Fabrication Parts for Excavator, Wheel Loader, Crane, Forklift, etc.
Forestry Equipment Parts : Fabrication Parts for Feller Buncher, Harvester, etc.



주소 | 경상남도 창원시 마산합포구 진북면 산단1길 129 Tel. +82 55. 264. 2080 Fax. +82 55. 240. 9299

조선 · 해양 사업부 Shipbuilding · Offshore Plant Division



(주)건화

조선·해양 블록 제작 전문 기업으로 생산부지 396,039m², 생산능력 240,000 TON/년, 절단·조립·의장·도장·탑재에 이르는 일괄 생산 시스템을 갖추고 있습니다. 고객의 눈높이에 맞는 차별화된 제품을 공급하기 위해 끊임없이 혁신하여 지속적인 성장을 추구해 나가고 있습니다.

Kunhwa

The company was established in 2000 and is now one of the largest block manufacturing factory in Korea. Kunhwa has developed an integrated production system from Cutting to Pre-Erection, with a production site of 396,039m² and the capacity to produce 240,000 ton/year. We will strive to pursue continuous improvements to ensure customers' growth and future developments.

주요 생산품

상선 : 선수, 중랑, 선미 블록 [Mega Block]
해양 플랜트 : Module, Column, Pontoon

Main Products

Commercial Ship : Fore, Mid, Stern Block [MegaBlock]
Offshore Plant : Module, Column, Pontoon



주소 | 경상남도 거제시 연초면 연하해안로 841-54 Tel. +82 55. 639. 5300 Fax. +82 55. 632. 9977

철에 **혼**을 담는 기업, 전화 화합의 힘으로 글로벌 시장에 나아가다.

차가운 철이 뜨거운 열정과 만났을 때,
비로소 그 강인함이 가치를 지닙니다.
강철의 가치를 발휘하는 뜨거운 혼 그 중심에 건화인이 있습니다.

Breathing **Life** into **Steel**, Kunhwa Taking one step further through the power of harmony

When the lifeless steel is combined with our passion, we know that the catalyst effect unleashes an enormous amount of energy and potential. We the people of Kunhwa will always be at the center of this transformation, as we all witness the power released within.

