

HJ SHIPBUILDING & CONSTRUCTION CO., LTD.

SPECIAL SHIPS



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Special Ships

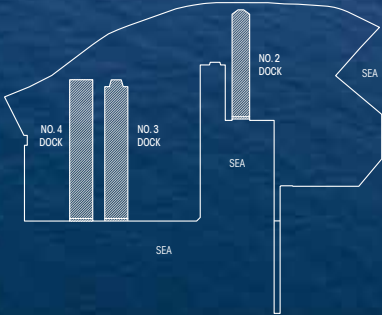
HJ Shipbuilding & Construction with its unrivalled technology and broad field of experience, has increased Korea's territorial sea defense and the world's sea power by introducing a new range of special ships from a icebreaking research vessel to the Navy's multipurpose large transportation ship.

- LPH (Landing Platform Helicopter) ROKS Marado



YEONGDO SHIPYARD (Korea)

DRY DOCKS	DIMENSIONS (L x B x D) (m)	MAX. CAPACITY (DWT)	CRANES
NO. 2	230.00 x 35.00 x 9.00	60,000	80, 20T
NO. 3	300.00 x 50.00 x 10.50	180,000	100T x 3
NO. 4	300.00 x 50.00 x 10.50	180,000	100T x 3



Founded in 1937 as the first ship builder in Korea, HJ Shipbuilding & Construction has set the records in designing and building special-purpose and naval ships in its high-tech shipyard.

Starting with Korea’s first high-speed patrol boat. Haksae (Student), in 1972, Shipbuilding Technology Development has added sophistication to the design and engineering of high-speed patrol boats, landing ships, midget submarines, and hovercraft. From the late 1970, HJSC exported about 30 naval vessels to Asia, Africa, and Latin America.

To reflect growing importance in the 21st century of ocean resources development, HJSC has also been developing ice breaking research vessel, oceanographic vessels, hydrographic vessels, fishery research vessels, cable laying ships, diving support vessels, etc.



‘ANOTHER ENGINE THAT BOOSTS PRODUCTION CAPACITY’

GEOJE FACTORY

ARTICLES MANUFACTURED

PRODUCTION CAPACITY

AREA

Block Assembly for shipbuilding

20,000 ton / year

51,210m²

• Small / Medium / Large / GPE Steel Structure

With unwavering determination to pursue technological and managerial innovation, HJSC is concentrating its energy and knowhow on providing top customer satisfaction as a specialty ship builder and thus getting to the global forefront.



• LANDING & SUPPORT SHIPS



• PATROL VESSELS



• SPECIAL PURPOSE SHIPS



• OCEAN EXPLORATION VESSELS

LANDING & SUPPORT SHIPS

UNIQUE TECHNOLOGY AND EXPERIENCE TO BUILD NAVAL COMBAT AND SUPPORT SHIPS

From Korea's first patrol boat "Haksaeng" in 1972 to high-speed vessels, patrol combat corvettes, convoy ships, landing ships and submarines, HJSC has built various vessels for the Korean navy.

The company has also exported naval combat and support ships to the Middle East, Asia and Latin America. That was followed by the development of various naval ships. Based on our unique technology, we also constructed and delivered hovercrafts, high-speed craft and the large transportation ship "Dokdo", "Marado". These efforts have contributed to strengthening Korea's naval capabilities.



• The most elite Flagship of the ROKN, Marado

LPH (Landing Platform Helicopter)

MULTIPURPOSE LARGE TRANSPORTATION SHIP | 197M / 19,000TON / 23KNS

Lifting Capacity : Approx. 5,000TON

TANK, AAV, Helicopter, Hovercraft & Others



JLOTS (Joint Logistics Over The Shore)

NAVAL TEMPORARY PORT FACILITY FOR LOGISTICS SUPPORT

LOADING/UNLOADING MOORING PONTOON, FLOATING BRIDGE,
FLOATING BRIDGE TUG BOAT, LANDING CRAFT UTILITY(LCU),
OIL BUNKERING VESSEL, LOGISTICS OVER THE SHORE EQUIPMENT



The Korean Navy's first LPH, Dokdo

LPH (Landing Platform Helicopter)
197M / 19,000TON / 23KNS



LST-II (Landing Ship Tank)
127M / 7,140TON / 23KNS | 1 x 40mm / SAAM



ATS-II (Auxiliary Towing Salvage)
107M / 4,700TON / 21KNS | 1 x 20mm



LSF-II (Landing Ship Fast)
27M / Payload 55TON / 40KNS | 1 x 20mm, Bow & Stern Ramp



MTB (Multi-purpose Training Boat)
40M / 281TON / 24KNS | EWT(Electronic Warfare Trainer)



LCU (Landing Craft Utility)
63.6M / 950TON / 13KNS | 1 x 20mm

PATROL / SALVAGE VESSELS

STABILITY AND MOBILITY TO SUPPORT MARINE PATROL AND OTHER ACTIVITIES

HJ Shipbuilding & Construction has built and delivered guard and rescue ships to the Korea Coast Guard which are keeping watch over the waters off the Korean shores and exclusive economic zones.

Recognized for their superior functionality and performance, these ships are also mobilized to rescue people and prevent pollution in times of marine disaster.



PKMR (Patrol Killer Medium Rocket)

44.7M / 276TON / 40KNS | 1 x 76mm / 130mm Guided Rocket



500TON CLASS SALVAGE / PATROL VESSEL

62M / 630TON / 35KNS | 1 x 40mm / 1 x 20mm



PKG (Patrol Killer Guided Missile)

63M / 570TON / 40KNS | 1 x 76mm / 1 x 40mm / SSM and Chaff with FCS



3,000TON CLASS SALVAGE / PATROL VESSEL

110M / 3,857TON / 21KNS | 1 x 40mm / 1 x 20mm



FFK (Fast Frigate Korea)

102M / 1,890TON / 36KNS | Anti Air, Surface & Submarine



1,500TON CLASS SALVAGE / PATROL VESSEL

98M / 2,700TON / 20KNS | 1 x 40mm / 1 x 20mm



PCC (Patrol Combat Corvette)

88.3M / 1,180TON / 33KNS | Anti Air, Surface & Submarine



1,000TON CLASS SALVAGE / PATROL VESSEL

91M / 1,530TON / 30KNS | 1 x 40mm / 1 x 20mm

SPECIAL PURPOSE SHIPS

SPEARHEADING GLOBAL MARKET TRENDS

HJSC showcases its technological prowess through the design and construction of various high-tech special-purpose ships that set new standards in the industry.

Our innovations include the multi-purpose large oil spill response and dredger vessel capable of efficient performance even under gale warning conditions and advanced fisheries supervision vessels that promote sustainable ocean management.

We also take pride in constructing the nation's first cable-laying ship for laying and repairing submarine optic cables, as well as the diving support vessel designed to enhance diver operations.



MULTI-PURPOSE LARGE OIL SPILL RESPONSE & DREDGER VESSEL

ENDAM (KOEM) | 102M / 5,600TON / 13KNS



HYBRID FISHERIES SUPERVISION VESSEL

91.4M/2,274TON/17.5KNS



CABLE LAYING SHIP

RENE DESCARTES (France Telecom Marine) | 142.5M / 8,150TON / 16KNS



DIVING SUPPORT VESSEL

GULMAR ATLANTIS | 115M / 6,200TON / 14KNS

OCEAN EXPLORATION VESSELS

LEADING THE FUTURE OF OCEAN EXPLORATION WITH CUTTING-EDGE TECHNOLOGY BY HJSC

HJSC is at the forefront of ocean exploration technology, having built Korea's first-ever 3D/4D seismic survey research vessel and an advanced icebreaking research vessel.

These state-of-the-art ships are designed to support in-depth geological surveys and scientific research, even in the most challenging Arctic conditions.



3D/4D GEOPHYSICAL EXPLORATION RESEARCH VESSEL

TAMHAE-III (KIGAM) | 92M / 3,900TON / 15.2KNS



ICE BREAKING RESEARCH VESSEL | ARAON(KOPRI)

111M / 6,950TON / 16KNS | KR PL-10 (DAT-30) grade research ice breaker (identical with DNV Polar 10grade) capable of continuous breaking of 1m thick flat ice at the speed of 3 knot

TRAINING VESSELS

LATEST STATE-OF-THE-ART SHIPS OPERATING FOR MARITIME EXPANSION

Expert in building training vessels for students majoring in oceanography and fisheries, we assist Korea in shoring up its sea power.



8,500TON CLASS OCEAN EXPLORATION / TRAINING VESSEL

133M / 8,500TON / 18.5KNS

HANNARA (Korea Maritime & Ocean University) / SEGERO (Mokpo National Maritime University)



3,000TON CLASS OCEAN EXPLORATION / TRAINING VESSEL

96.45M / 2,995TON / 16KNS

ARA (Jeju National University) / SAEHAERIM (Kunsan National University) / SAEDONGBAEK (Chonnam National University)



OCEANOGRAPHIC RESEARCH VESSEL

70.7M / 1,900TON / 14KNS

NARA (Pukyong National University)



OCEAN EXPLORATION / TRAINING VESSEL

102M / 5,200TON / 16.5KNS

HANBANDO (Korea Institute of Maritime & Fisheries Technology)

R&D

KEY TO HJSC PAST, PRESENT & FUTURE



In 1937, HJ Shipbuilding & Construction entered the barren field of shipbuilding technology in Korea. During over 80 years of forging technology with a pioneer spirit, HJSC has witnessed vivid Shipbuilding events in Korea.

In recent years HJSC has succeeded in building the greatest output of special-purpose ships in Korea, excelling in warship design and engineering capability. HJSC is committed to an impressive range of R&D activities with the aim of designing the next-generation of advanced naval ship, while meeting the need for large-scale, high speed, computerized operation vessels along with other multi-purpose and high-performance requirements.

HJSC foresees further excellent achievements in future vessel development, as evidenced by the development and successful testing of the wig(wing-in-ground effect) ship, the first next-generation super-high speed vessel to be produced in Korea. HJSC has also pursued advanced research into innovative technologies in such diverse fields as hull analysis, navigation, propulsion, resistance, and durability through the combined research efforts of academy and industry.



R&D Center in Busan



Underwater Research Vessel



6-axis Welding Robot

TIMELINE OF FIRSTS THAT OPENED NEW CHAPTER IN SPECIAL SHIPBUILDING

1938

- Built Korea's first steel ship

1972

- Built the Korean Navy's first patrol ship
'Haksaeng(Student)'

1984

- Built Asia's first amphibious hovercraft

1998

- Built Korea's first cable laying ship

2007

- Built the Korean Navy's first large
transportation ship, ROKS Dokdo

2009

- Built Korea's first icebreaking
research vessel, ARAON

2017

- Built the world's first LNG bunkering vessel

2021

- Built the Korean Navy's second large
transportation ship, ROKS Marado

2022

- Built Korea's first multi-purpose large oil spill
response & dredger vessel
- Signed a contract for the Korean Navy's JLOTS system

2023

- Built a hybrid fisheries supervision vessel

2024

- Built Korea's First 3D/4D geophysical exploration
research vessel, TAMHAE-III

Special Ships

Many agree that the 21st century will be the age of marine exploration. "He who rules the sea rules the world" will become the new catch phrase not only in shipbuilding but also across a wide range of industries.

HJ Shipbuilding & Construction is now improving the competitive edge of the nation navy and merchant marine and at the same time exporting the world best special ships. Abundant experience and innovative technology and management, together with order-made delivery, will let us surge to the forefront.





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