HD HYUNDAI HEAVY INDUSTRIES

NAVAL & MEDIUM SIZE SHIPS

HD HYUNDAI HEAVY
INDUSTRIES YARD

HD HYUNDAI
MIPO YARD

CONTENTS

BRAND INTRODUCTION

HD HYUNDAI HEAVY INDUSTRIES COMPANY INTRODUCTION

Since its founding in 1972, HHI, the world's largest single shipyard and builder of over 5,000 vessels, has been a global leader in shipbuilding for 50 years. With a proven record of over 108 naval ships and exclusive experience in Korea's Aegis destroyer construction, it is recognized worldwide for its reliability and expertise. The company operates with a workforce of 45,000, 14 dry docks, and an annual delivery capacity of over 100 ships, supported by a stable global supply chain of 4,300 partners.

The Naval & Medium Size Ship Business Unit provides a full range of naval platforms—from Aegis destroyers and state-of-the-art frigates to auxiliary ships, OPVs, training ships, and submarines—consistently delivering all projects on or ahead of schedule with exceptional quality. Through its integration with HD Hyundai Mipo in December 2025, the division has further strengthened its global competitiveness by securing 6 dedicated docks and a specialized workforce of more than 12,000.

HHI continues to expand its international presence through its advanced technology and project management capability. It is also advancing cooperation with various partners based on Korea's 3,000-ton and Type-214 submarine capabilities.

As the first shipbuilder outside Germany to design and construct Type-214 AIP submarines, HHI stands as a global leader in submarine technology across multiple classes. Furthermore, it leads innovation in future naval defense through research into autonomy, electrification, AI, and unmanned systems.

ESTABLISHED

1972

VESSELS

5000

EMPLOYEES

45K

DRY DOCKS

14

AVERAGE ANNUAL SHIP PRODUCTION

100+

GLOBAL SUPPLY NETWORKS

4300

SHIPBUILDING CAPABILITY

BIGGER & BETTER

OUR TOP 3 PRIORITIES

1 TAILORED SOLUTION

2 ON-TIME

3 WITHIN BUDGET

The integration of HHI and HD Hyundai Mipo significantly strengthens HHI's long-term growth strategy, propelling the company to become a world-class naval shipbuilder. Based on expanded facilities, engineering capabilities, and added dock infrastructure, HHI is significantly increasing its production capacity for naval ships and submarines with little investment, thereby enhancing efficiency and global competitiveness.

As of 2025, HHI is achieving annual revenue of KRW 37 trillion in the shipbuilding and naval defense sectors and aims to reach USD 6.8 billion in the naval defense sector by 2035. To this end, Ulsan will serve as a global "Mother Plant," unifying research, design, construction, and MRO functions to support international cooperation projects such as MASGA (Make America Shipbuilding Great Again).

With its naval shipbuilding capacity tripled through the integration, HHI is now able to respond more rapidly to increasing global demand while maintaining world-class quality. Based on its record of constructing 108 naval vessels and exporting 20 ships over the past 50 years, HHI is leading the development of next-generation vessels through technical expertise accumulated across various fields, including destroyers, frigates and submarines.

In 2026, marking the 50th anniversary of its naval business, HHI is fully prepared to lead the future of global maritime defense based on its expanded capabilities and clear strategic vision.

※ LIFT'G CAPA
372~820 t (integration basis for Units 2–5)

DOCK	LENGTH	WIDTH	DEPTH	CRANE	MAX. SIZE DWT	OUTFITTING QUAY
NO. 01	390m	80m	12.7m	1 × 1,290t Goliath 2 × 450t Goliath	700,000	Combined length: 7,400m
NO. 02	500m	80m	12.7m	2 × 40t Jib 2 × 30t Jib		
NO. 03	672m	92m	13.4m	1 × 1,290t Goliath 2 × 450t Goliath 1 × 150t Jib 1 × 80t Jib 2 × 30t Jib 1 × 20t Jib	1,000,000	
NO. 04	380m	65m	12.7m	2 × 350t Jib	400,000	
NO. 05	380m	65m	12m	1 × 200t Jib 1 × 150t Jib 1 × 80t Jib		
NO. 06	260m	43m	12m	1 × 200t Jib	179,000	
NO. 07	170m	25m	11m	1 × 150t Jib	68,000	
Ship Lift	100m	16m	-	1 × 60t Jib	25,600	
NO. 08	460m	70m	12.7m	2 × 900t Goliath	500,000	
NO. 09	460m	70m	12.7m	4 × 30t Jib 1 × 20t Jib		
NO. 10	490m	115m	13.5m	2 × 1,600t Goliath	1,000,000	
NO.11	380m	65m	12m	7 x 200tJib	400,000	
NO.12	380m	65m	12m	7 x 200tJib	400,000	
NO.13	380m	65m	12m	5 x 200t Jib 1 x 400tJib	400,000	
NO.14	380m	65m	12m	5 x 200t Jib 1 x 400tJib	400,000	

THE BEST CREATES THE BEST

MARITIME SECURITY SOLUTION PROVIDER

With over 12,000 experienced workforce, six dry docks, and digitalized modern facilities including a submarine construction plant, The Naval & Medium Ship Business Unit has been providing integrated maritime security solutions for nearly 5 decades as a designer, builder, integrator, advisor, and maintainer. Through these capabilities, HHI has delivered 108 naval and special-purpose vessels , including 20 exported naval vessels.

As a licensed defense company and engineering consultant, HHI holds a prominent position in domestic maritime defense programs and has successfully created a significant impact in the global arena.

With continuous intensive R&D activities, HHI incorporates cutting-edge technology into proven technical foundations. HHI provides comprehensive services from maritime security consulting to through-life support.

HHI assures on-time delivery of high-quality vessels through in-house shipbuilding. Additionally, HHI supports localization by collaborating with local shipyards through the transfer of technology, fostering a shared vision for long-term growth.

NAVAL & MEDIUM SHIP

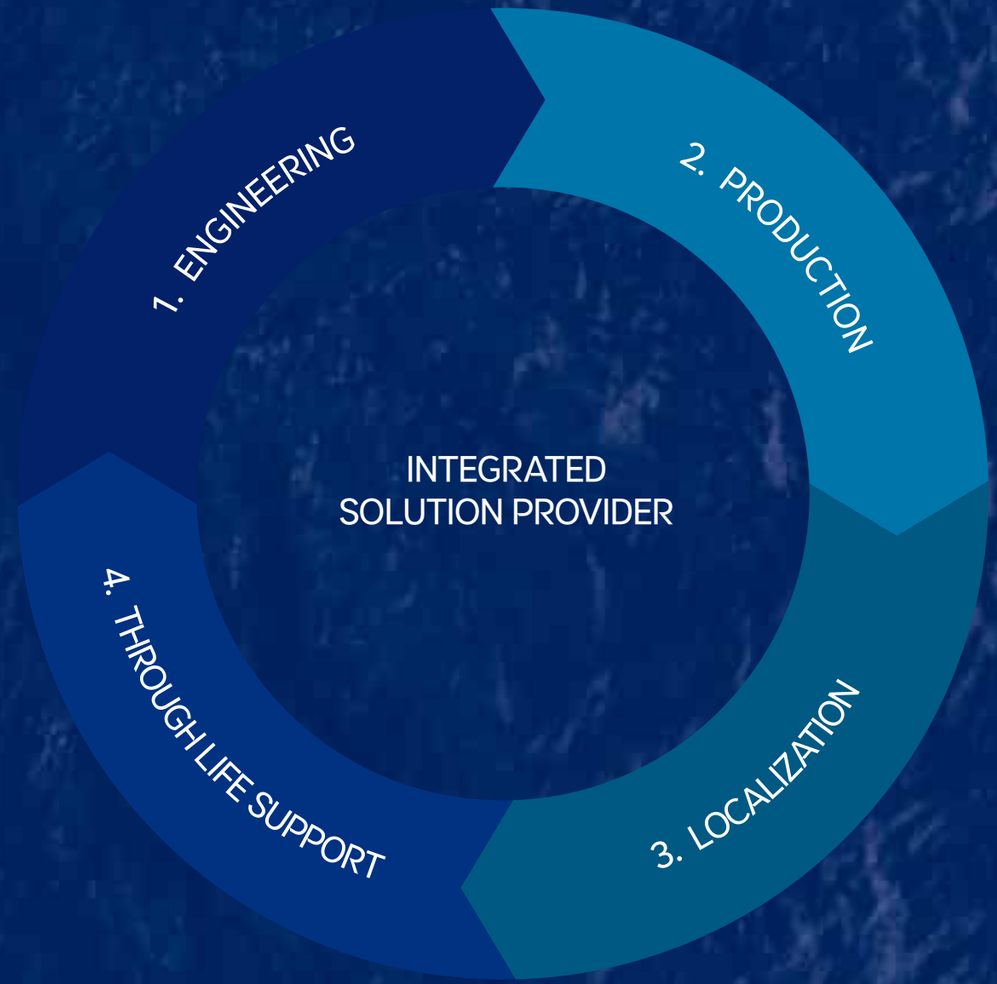
EXPERTS
12,000+

DRY DOCKS
6

NAVAL SHIPS
108

EXPORTED SHIPS
20

CRADLE FOR MARITIME SECURITY



1. ENGINEERING

HHI is committed to utilizing the latest technology based on its diverse experience in carrying out various naval ship development projects.

2. PRODUCTION

HHI specializes in the construction of exceptionally high-quality vessels on time and within budget.

3. LOCALIZATION

HHI welcomes collaboration with local shipyards, enabling transfer of technology and development a shared vision for sustainable growth in the long term.

4. THROUGH LIFE SUPPORT

HHI ensures optimal operational readiness, maintenance efficiency, and swift responses to enhance overall mission availability.

SCOPE OF SERVICES

INTEGRATED SOLUTION PROVIDER

Based on a proven track record, HHI provides end-to-end services, from maritime security consulting to through-life support, tailored to each customer's specific requirements. With extensive experience and expertise, HHI guarantees the delivery of services that adhere to schedules and budgets, ensuring full customer satisfaction.

MARITIME SECURITY CONSULTING

Fleet modernization planning &
Top level requirement analysis

DESIGN & ENGINEERING

Solution optimization for meeting customer requirements and operating environments

PRODUCTION & CONSTRUCTION

Highest quality & on-time and fast delivery through streamlined facility

SYSTEM INTEGRATION

Complete and Seamless system interface & integration

TEST & TRIAL

Proven performance and seaworthiness with systemized test procedure

TRAINING & TECHNICAL ASSISTANCE

Long term commitment based on knowledge-sharing

MRO(INTEGRATED LOGISTICS SUPPORT) & THROUGH LIFE SUPPORT

High-level availability at an affordable cost

LOCALIZATION

Mutual growth through transfer of technology and co-production

LOCAL CONSTRUCTION

Active Local Construction through Material Package Support and Local Shipyard Capabilities worldwide

HHI IS A GLOBAL NAVAL DEFENSE COMPANY

In 1976, the Korean Ministry of Defense nominated HHI to design and build the first indigenous Korean frigate, ROKS Ulsan. Since successfully developing and delivering the frigate, HHI has played a leading role in technology development and system integration through ceaseless efforts. With nearly half a century of experience and accumulated warship technology, HHI is recognized as one of the most reliable shipyards both in Korea and worldwide.

HHI, as a key solution provider for the Republic of Korea Navy (ROKN) and the Korea Coast Guard (KCG), has been undertaking numerous leading and core national projects such as the Aegis Destroyer, Multi-purpose Frigates (FFX Batch-III), Logistics Support Vessels (AOE-II), and indigenous Air Independent Propulsion (AIP) submarines (KSS-III).

HHI has conducted conceptual designs for the Korean Aircraft Carrier (CVX), Unmanned Power Command and Control Carrier, combat Unmanned Surface Vessels (USVs), and basic design for Korean Next Generation Destroyer (KDDX), commissioned by the ROK Navy. Based on world-proven autonomous navigation, digital twin technology, and big data, HHI is leading the development of Maritime Manned-Unmanned Teaming (MUM-T) systems.

Since 2025, HHI has commenced joint development of unmanned surface vessels with Anduril Industries and plans to unveil a prototype optimized for Vessel and Mission Autonomy in 2026.

In the international naval market, HHI began its first naval export with a New Zealand logistics support vessel in 1987. Recently, HHI successfully delivered 5 frigates and Offshore Patrol Vessels (OPVs), including the BRP Jose Rizal-class, to the Philippine Navy ahead of schedule, with seven additional vessels currently under construction.

HHI also successfully delivered the HMNZS Aotearoa, a logistics support vessel tailored for extreme operations in the Antarctic Ocean, to the Royal New Zealand Navy, replacing the HMNZS Endeavour built and delivered by HHI in 1987.

Meanwhile, HHI is currently constructing 4 vessels, including a frigate, OPV, and landing ships, through a first local construction method with the SIMA shipyard in Peru.

1976
Designated as a registered defense company

1980
Delivered the first indigenous Korean frigate, ROKS Ulsan

1987
Delivered a logistics support vessel to Royal New Zealand Navy

1991
Delivered a logistics support vessel, ROKS Cheonji

1997
Delivered a large patrol craft to the Bangladesh Navy

2001
Delivered a logistics support vessel to the Bolivarian Navy of Venezuela

2002
Delivered a 5,000 ton offshore patrol vessel, KCG Sambong

2006
Delivered a stealth destroyer, ROKS Wang Geon

2007
Delivered an AIP submarine, ROKS Son Won-il

2008
Delivered the first Korean Aegis destroyer, ROKS Sejong the Great

2012
Delivered an Aegis destroyer, ROKS Seoae Ryu Seong-ryong

2013
Delivered the first frigate batch-I, ROKS Incheon

2016
Delivered a 5,000 ton offshore patrol vessel, KCG Lee Cheong-ho

Delivered a multi-purpose support vessel, ROKS Nampo

2017
Delivered an amphibious vessel, ROKS Cheon Ja Bong

2018
Delivered a logistics support vessel, ROKS Soyang

2020
Delivered a multi-purpose frigate, BRP Jose Rizal to the Philippine Navy

Delivered a logistics support vessel, HMNZS Aotearoa to the Royal New Zealand Navy

Delivered a training vessel, ROKS Hansando

2021
Delivered a multi-purpose frigate, BRP Jose Rizal to the Philippine Navy

2023
Delivered the last frigate batch-II, ROKS Chuncheon

2024
Delivered the last 3,000 ton submarine batch-I, ROKS Shinchahoe

Delivered a Korean Aegis destroyer batch-II, ROKS Jeongjo the Great

Delivered the first frigate batch-III, ROKS Chungnam

Delivered the first Philippine corvette, Miguel Malvar

2025
Delivered the second Philippine corvette, Diego Silang

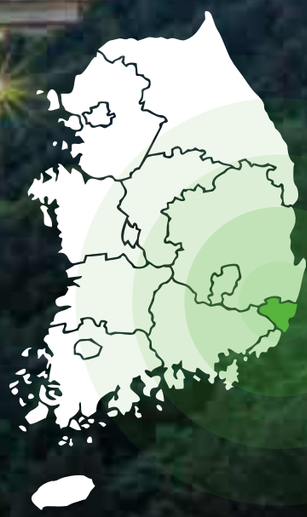
HD MOTHER PLANT

NUMBER OF ENGINEERS

350 〉 950

NUMBER OF DRY DOCKS

2 + 4 = 6



HHI has dramatically expanded its surface ship and submarine construction capabilities through integration with HD Hyundai Mipo, securing world-class competitiveness in the naval vessel business based on six dry docks and a large-scale professional design workforce. By combining this capability with the extensive repair and conversion experience accumulated by HD Hyundai Mipo, HHI has completed a solid business foundation that encompasses the global MRO market. Based on these capabilities, the Ulsan shipyard will leap forward as a 'Mother Plant' that oversees naval ship research, design, and global business, leading international naval projects including MASGA while continuously strengthening differentiated competitiveness across cost, delivery, and technology.

HD HYUNDAI HEAVY INDUSTRIES + HD HYUNDAI MIPO

HD HYUNDAI HEAVY INDUSTRIES
NAVAL & MEDIUM SIZE SHIPS

ROK NAVAL VESSEL

HHI has pioneered the development of the newest naval vessels required by the Republic of Korea Navy through its exceptional R&D, design, and construction capabilities. Since the development of the first indigenous combatant ship, ROK ULSAN, HHI has contributed to the advancement of the ROK Navy by developing and constructing destroyers, frigates, support ships, and submarines for over 50 years.

ROK NAVAL SHIPBUILDING PERFORMANCE


DESTROYER


FRIGATE / CORVETTE / FAST ATTACK CRAFT


SUBMARINE


PATROL VESSEL


LOGISTICS SUPPORT VESSEL


AMPHIBIOUS VESSEL

HHI ALWAYS STRIVES TO BE FIRST

1976	Designated as a defense contractor specializing in naval ship construction
1980	Designed/constructed/delivered ROKS Ulsan, the first Korean indigenous combatant ship, Ulsan-class frigate
1991	Designed/constructed/delivered ROKS Cheonji, the first Korean logistics support vessel
2007	Delivered ROKS Son Won-il, the first Korean AIP submarine, Son Won-il-ham (KSS II)
2008	Delivered ROKS Sejong the Great, the first Korean Aegis destroyer, ROKS Sejong the Great KDX-III batch-I
2013	Delivered ROKS Incheon, the first Korean frigate with indigenous combat & sonar systems, FFX batch-I
2019	Signed construction contract for ballistic missile defense Aegis destroyer, Gwanggaeto-III batch-II lead ship
2020	Signed construction contract for the first Korean frigate with integrated sensor mast, Ulsan-class batch-III lead ship Completed conceptual design of Korea aircraft carrier (CVX)
2023	Completed basic design for Korea next-generation destroyer (KDDX) Completed conceptual design of unmanned force command ship
2024	Delivered ROKS Jeongjo the Great KDX-III batch-II And ROKS Chungnam FFX batch-III
2025	Completed conceptual design of unmanned surface combatant

HDD-11000

THE LATEST AND MOST ADVANCED AEGIS DESTROYER, CAPABLE OF DETECTING, TRACKING, AND INTERCEPTING BALLISTIC MISSILES

1) Installed with the latest version of the Aegis combat system (Baseline 9 C2) that integrates anti-air warfare capabilities and ballistic missile defense capabilities

2) Equipped with SPY-1D(V) multi-function AESA radar capable of detecting and tracking ballistic missiles, cruise missiles, aircraft, and ships from long range

3) Capable of detecting multiple underwater targets by using hull-mounted sonar (HMS) and multi-function towed array sonar system (TASS)

DIMENSION	170M × 21M
DISPLACEMENT	8,200 TONS
MAX SPEED	30 KNOTS

HDF-4000

THE LATEST 3,600-TON FRIGATE PLANNED TO REPLACE EXISTING FRIGATES / CORVETTES

1) First ship to be equipped with the CIWS-II (planned)

2) Equipped with an Integrated Sensor Mast (ISM) capable of detecting and tracking multiple targets simultaneously

3) Box Girder : Improves survivability by limiting hull damage from underwater/internal explosions

DIMENSION	129M × 14.8M
DISPLACEMENT	3,600 TONS
MAX SPEED	30 KNOTS

HDS-3000

THE LATEST MEDIUM-SIZED SUBMARINE CAPABLE OF PERFORMING MULTI-PURPOSE MISSIONS, INCLUDING ANTI-SUBMARINE (ASW), ANTI-SURFACE (ASUW), AND ANTI-LAND WARFARE

1) Enhanced submerged endurance through the application of lithium-ion batteries and fuel cell systems
2) Improved stealth capabilities by adopting advanced stealth designs, such as acoustic anechoic coatings and elastic mounts
3) Advanced strike capabilities against core targets with the integration of vertical launching system (VLS) capable of operating ballistic missiles

DIMENSION	83.5M × 9.6M
DISPLACEMENT	3,000 TONS

EXPORT NAVAL VESSEL

EXPORT NAVAL SHIPBUILDING PERFORMANCE

- DESTROYER
- FRIGATE / CORVETTE / FAST ATTACK CRAFT
- SUBMARINE
- PATROL VESSEL
- LOGISTICS SUPPORT VESSEL
- AMPHIBIOUS VESSEL
- MULTI-PURPOSE SUPPORT VESSEL
- TRAINING VESSEL

HHI LEADS KOREAN NAVAL EXPORT

1987	Delivered a New Zealand logistics support vessel
1997	Delivered a Bangladesh patrol vessel
2001	Delivered a Venezuela logistics support vessel Expanding naval exports based on cost and delivery competitiveness
2020	Delivered a New Zealand logistics support vessel
2021	Delivered Philippine frigates (2 units)
2022	Signed contract for Philippine corvettes / OPVs (2 / 6 units)
2024	Signed contract for Peruvian frigate / OPV / landing ships (1 / 1 / 2 units)
2025	Delivered Philippine corvettes (2 units) Signed contract for additional Philippine frigate construction (2 units)

HDF-6000

A HIGH-SPECIFICATION FRIGATE CAPABLE OF MULTI-DOMAIN WARFARE AND BALLISTIC MISSILE DEFENSE

1) Secures ballistic missile defense capabilities and integrates an advanced Integrated Sensor Mast (ISM)
2) Maximizes stealth performance through an optimized RCS-reduction design
3) Enables long-term operations without the need for replenishment
4) Ensures unmanned system operability and flexible mission execution capabilities

HDF-6000

DIMENSION	150M × 17.4M
DISPLACEMENT	6,500 TONS
MAX SPEED	29 KNOTS

Scan the QR code for AR experience

HDS-1500

OPTIMUM PERFORMANCE AND AFFORDABLE PRICE MEDIUM-SIZED SUBMARINE

1) Enhanced submerged endurance through integration of advanced lithium-ion batteries
2) Improved attack capability with deployment of heavyweight torpedoes and multi-function missile systems
3) Increased tactical awareness and surveillance capability through highly integrated combat sonar system
4) Enhanced maneuverability and operational performance through adoption of the X-form rudder

Scan the QR code for AR experience

HDS-1500

DIMENSION	67M × 7M
DISPLACEMENT	1,500 TONS

HDP-2200

AN OFFSHORE PATROL VESSEL EQUIPPED FOR LONG-TERM, MULTI-MISSION CAPABILITIES

1) Configured with a dedicated Mission Bay to support diverse and multi-purpose operations
2) Strengthened operational range through enhanced long-endurance offshore navigation capabilities
3) Equipped with customizable platform to strengthen capabilities across armament, detection, and rescue missions

HDP-2200

DIMENSION	94M × 14M × 3.5M
DISPLACEMENT	2,400 TONS
MAX SPEED	22 KNOTS

Scan the QR code for AR experience

FRIGATE

HDF-3600

DIMENSION 126.8M × 15.6M
DISPLACEMENT 3,600 TONS
MAX SPEED 27 KNOTS

THE LATEST 4-FACE FIXED RADAR-EQUIPPED FRIGATE FOR EXPORT

1) Equipped with armament and sensor system capable of performing various combat missions
2) Equipped with medium- to long-range surface to air missile system (SAM) and 5th generation surface to surface missile system (SSM)
3) Equipped with the latest gun capable of operating guided ammo

HDF-3200 HYBRID

DIMENSION 118.4M × 14.9M
DISPLACEMENT 3,200 TONS
MAX SPEED 27 KNOTS

MULTIPURPOSE FRIGATE CAPABLE OF ANTI-AIR WARFARE, ANTI-SHIP WARFARE, ANTI-SUBMARINE WARFARE, ELECTRONIC WARFARE, AND GUNFIRE SUPPORT

1) Armament and sensor system configuration capable of performing various combat missions
2) Application of Integrated Bridge System(IBS), Integrated Communication System (ICS), and Integrated Platform Management System(IPMS)
3) Capable of storing medium-sized maritime helicopters

SUBMARINE

HDS-2300

DIMENSION 73M × 8M
DISPLACEMENT 2,300 TONS

THE LATEST MEDIUM-SIZED SUBMARINE EQUIPPED WITH VARIOUS WEAPONS, LITHIUM BATTERIES, AND AIP

1) Selection of key equipment specifications based on performance proven equipment to ensure reliability and reduce development costs
2) Application of X-form rudder to maximize ship control/operational performance
3) Application of the latest lithium-ion battery technology
4) Equipped with the latest weapon fire/handling system through applying the dedicated weapon room

HDS-800

DIMENSION 51M × 6M
DISPLACEMENT 800 TONS

MULTI-FUNCTION SMALL SUBMARINE WITH OPTIMUM ATTACK PERFORMANCE

1) Small Submarine with optimum attack performance Developed Based on Track Record
2) Enhanced Submerged Endurance through Advanced Lithium-Ion Batteries
3) Improved Attack Capability with Heavyweight Torpedoes and Missile Systems
4) Upgraded Tactical and Surveillance Capability through Integrated Combat Sonar System

PRODUCTS

EXPORT NAVAL VESSEL

TRAINING VESSEL

HDT-5500

DIMENSION 145M × 18M × 5M
DISPLACEMENT 5,500 TONS
MAX SPEED 24 KNOTS

HDT-4500

DIMENSION 105M × 15M × 5M
DISPLACEMENT 4,500 TONS
MAX SPEED 18 KNOTS

HDT-3000

DIMENSION 115M × 14M × 4M
DISPLACEMENT 3,000 TONS
MAX SPEED 28 KNOTS

DESTROYER

HDD-9000

DIMENSION 160M × 20M × 6M
DISPLACEMENT 9,000 TONS
MAX SPEED 28 KNOTS

HDD-5000

DIMENSION 150M × 18M × 5M
DISPLACEMENT 5,000 TONS
MAX SPEED 30 KNOTS

SUBMARINE

HDS-1800

DISPLACEMENT 1,800 TONS

FRIGATE / CORVETTE / FAST ATTACK CRAFT

HDF-4000

DIMENSION 129M × 15M × 4M
DISPLACEMENT 4,000 TONS
MAX SPEED 30 KNOTS

HDF-3800

DIMENSION 122M × 14M × 4M
DISPLACEMENT 3,800 TONS
MAX SPEED 27 KNOTS

HDF-3000

DIMENSION 114M × 14M × 4M
DISPLACEMENT 3,000 TONS
MAX SPEED 30 KNOTS

HDF-2600

DIMENSION 107M × 14M × 4M
DISPLACEMENT 2,600 TONNE
MAX SPEED 25 KNOTS

HDC-2000

DIMENSION 120M × 14M × 4M
DISPLACEMENT 3,500 TONS
MAX SPEED 30 KNOTS

HDC-500

DIMENSION 65M × 9M × 3M
DISPLACEMENT 500 TONS
MAX SPEED 40 KNOTS

AMPHIBIOUS VESSEL

HDL-17000

DIMENSION 176M × 25M × 6M
DISPLACEMENT 17,000 TONS
MAX SPEED 18 KNOTS

HDL-13000

DIMENSION 160M × 25M × 6M
DISPLACEMENT 13,000 TONS
MAX SPEED 18 KNOTS

LOGISTICS SUPPORT VESSEL

HDA-34000

DIMENSION 237M × 32M × 9M
DISPLACEMENT 34,000 TONS
MAX SPEED 16 KNOTS

HDA-24000

DIMENSION 170M × 25M × 8M
DISPLACEMENT 24,000 TONS
MAX SPEED 16 KNOTS

HDA-10000

DIMENSION 135M × 18M × 9M
DISPLACEMENT 10,000 TONS
MAX SPEED 19 KNOTS

HDA-8000

DIMENSION 135M × 18M × 7M
DISPLACEMENT 8,000 TONS
MAX SPEED 20 KNOTS

MULTI-PURPOSE SUPPORT VESSEL

HDM-4000

DIMENSION 115M × 17M × 5M
DISPLACEMENT 4,000 TONS
MAX SPEED 23 KNOTS

HDM-3000

DIMENSION 103M × 15M × 3M
DISPLACEMENT 3,000 TONS
MAX SPEED 22 KNOTS

PATROL VESSEL

HDP-5000

DIMENSION 150M × 16M × 5M
DISPLACEMENT 5,000 TONS
MAX SPEED 26 KNOTS

HDP-3000

DIMENSION 115M × 14M × 4M
DISPLACEMENT 3,000 TONS
MAX SPEED 28 KNOTS

HDP-1500NEO

DIMENSION 81M × 13M × 3M
DISPLACEMENT 1,500 TONS
MAX SPEED 21 KNOTS

HDP-1000

DIMENSION 90M × 11M × 3M
DISPLACEMENT 1,000 TONS
MAX SPEED 30 KNOTS

HDP-800

DIMENSION 64M × 9M × 3M
DISPLACEMENT 800 TONS
MAX SPEED 22 KNOTS

HDP-500

DIMENSION 63M × 9M × 3M
DISPLACEMENT 500 TONS
MAX SPEED 35 KNOTS

HDP-300

DIMENSION 57M × 8M × 2M
DISPLACEMENT 300 TONS
MAX SPEED 35 KNOTS

FUTURE BUILDER

HDU-S150

A LEADER IN MANNED-UNMANNED TEAMING (MUM-T) THAT PERFORMS SURVEILLANCE AND CLOSE-COMBAT MISSIONS IN FORWARD AREAS IN PLACE OF MANNED SHIPS

1) Equipped with a 130mm guided rocket for striking surface targets and a four-face fixed radar capable of simultaneous detection in all directions → Specialized in anti-ship warfare
2) Equipped with an AI-based unmanned mission control system, enabling vessel and mission autonomy
3) Systemized and modularized design considering missions and targets → Capable of responding to various enemy threats

DIMENSION	38M × 6.5M
DISPLACEMENT	150 TONS

KDDX HDD-9000

THE FIRST KOREAN AEGIS DESTROYER TO BE BUILT ENTIRELY WITH INDIGENOUS TECHNOLOGY, FROM THE HULL AND COMBAT SYSTEM UP TO THE MULTI-FUNCTION RADAR

DIMENSION	159M × 20M
DISPLACEMENT	6,500 TONS
MAX SPEED	28 KNOTS

1) Integrated with domestic R&D equipment (combat system, sonar system, CIWS-II, KVLS-II, L-SAM, Electronic Warfare Equipment-II, etc.)
2) Installed with high-powered and over-sufficient integrated electric propulsion system(IEP) allowing noise reduction with greater power reserves
3) Advanced ship applied with numerous new technologies (smart bridge, advanced materials, automation, stealth, cutting-edge IT technology, etc.)

MULTI-PURPOSE UNMANNED AIRCRAFT CARRIER

UNMANNED AIRCRAFT CARRIER BASED ON AI-DRIVEN MANNED-UNMANNED TEAMING (MUM-T) SYSTEMS

DIMENSION	200M × 36M
DISPLACEMENT	15,000 - 32,000 TONS

1) Enabling simultaneous operation of multiple unmanned systems, including UAVs, USVs, and UUVs
2) Maximizing the efficiency of unmanned power operations by equipping catapult and recovery systems for offensive fixed-wing UAVs
3) Applying evolutionary technology as a preliminary stage for the development of future-type aircraft carriers

HCX-25

AI-BASED COMBAT SHIP EQUIPPED WITH A FUTURE-ORIENTED INTEGRATED COMBAT SYSTEM

DIMENSION	127M × 14.8M
DISPLACEMENT	4,000 TONS

1) Optimal response to customer needs and future expandability secured through modular design
2) Design to maximize unmanned system operability
3) Equipped with High-Energy Laser (HEL) weapons
4) Minimizes crew burden through AI-based surveillance of surrounding waters and ship control
5) Hybrid/integrated electric propulsion system and RCS-reduced exterior design

KEY SERVICES

MRO
(USA NAVAL VESSEL)

HD HYUNDAI HEAVY INDUSTRIES ENTERS THE U.S. NAVAL MRO MARKET

HHI marked a major milestone by becoming the first Korean shipbuilder to sign a Master Ship Repair Agreement (MSRA) with the U.S. Naval Supply Systems Command (NAVSUP) in 2024.

Starting in 2025 with the MRO project for the U.S. 7th Fleet logistics support vessel USNS Alan Shepard, HHI is officially entering the U.S. naval MRO market. Based on its proven track record of constructing 20 exported naval vessels and the extensive MRO experience gained in the Philippines, HHI plans to provide stable and highly reliable services.

Furthermore, HHI is diversifying its industrial cooperation by signing a “Naval Alliance (MOU)” with Huntington Ingalls Industries (HII), the leading U.S. naval defense shipyard, to strengthen partnerships for local U.S. shipbuilding capabilities and next-generation naval construction starting from 2025.

Moving forward, building upon the U.S. Navy MRO business and industrial cooperation with U.S. shipyards, HHI intends to establish long-term trust with U.S. partners. This foundation will serve to expand the scope of cooperation into newbuild naval vessels, special mission ships, and government platforms.

HD HYUNDAI HEAVY INDUSTRIES ENTERS THE U.S. NAVAL MRO MARKET

USNS ALAN SHEPARD

TYPE	DRY CARGO / AMMUNITION SHIP
DISPLACEMENT	41,000 TONS
SERVICE PERIOD	SEPTEMBER 2025 – JANUARY 2026

In August 2025, HHI was awarded the MRO contract for the U.S. Navy's logistics support vessel, USNS Alan Shepard. The MRO operations were conducted at the quay near the Naval & Medium Size Ship Business Division in Ulsan starting from September 2025 and were successfully completed in January 2026.

HHI identified and performed precision maintenance on over 100 additional, unplanned tasks during the process, including propeller cleaning, tank maintenance, and equipment inspections. Having received high acclaim for its exceptional maintenance quality and strict adherence to schedules, HHI is continuing its momentum by performing MRO services for other vessels, including the USNS Cesar Chavez. Moving forward, HHI plans to actively expand its presence in the U.S. Navy MRO market.

NAVAL SHIP RESEARCH INSTITUTE & GRC NAVAL INTELLIGENT CONVERGENCE CENTER

NAVAL SHIP RESEARCH INSTITUTE

MISSION TRANSITIONING OPERATION FROM CREW TO AI THROUGH PERCEPTION, JUDGMENT, AND EXECUTION.

INTEGRATED SOLUTIONS
NAVIGATION / DAMAGE RECOGNITION / MACHINERY MANAGEMENT

LV.1 PERCEPTION RECOGNITION → **LV.2 JUDGMENT** RESPONSE STRATEGY → **LV.3 ACTION** AUTONOMOUS OPERATION & COMMAND → AUTOMATION OPERATION

SYSTEM DYNAMICS RESEARCH LAB.

Dynamics/NVH-based optimization of core naval mechanical systems

DYNAMIC SYSTEMS RESEARCH DIVISION

Multi-body dynamics-based core mechanical system design & R&D

- Naval core system optimal design & productization
- Merchant ship equipment simulators & new product development
- Next-gen launch vehicle pad development
- Safety & efficiency-focused dynamics simulator development

VIBRATION AND NOISE CONTROL RESEARCH DIVISION

NVH-based low-vibration, low-noise, and high-efficiency technology for core mechanical systems

- Development of low-vibration, low-noise, and high-efficiency design for mechanical systems
- Integrated analysis technology for multi-domain stealth performance
- Underwater radiated noise (URN) monitoring for merchant and naval ships
- Safety and efficiency-oriented design and productization

ADVANCED PROPULSION SYSTEMS LAB.

Core naval propulsion solutions to become the world's leading defense technology lab.

BATTERY SYSTEMS RESEARCH DIVISION

High-safety, large-capacity Lithium-ion ESS for self-reliant all-electric propulsion

- Submarine Lithium-battery state-estimation algorithms
- Integrated EIS-BMS fault diagnosis
- Thermal runaway & temperature deviation prevention
- Battery charge/discharge testing & analysis systems

AIR-INDEPENDENT PROPULSION SYSTEMS RESEARCH DIVISION

AIP core technology localization for advanced submarine endurance

- Proprietary AIP system with differentiated technology
- LOX tanks, supply systems, and hydrogen supply systems
- Next-gen nitrogen-cycle fuel cells for AIP

GRC NAVAL INTELLIGENT CONVERGNCE CENTER

GRC Naval Intelligent Convergence Center is an integrated research and verification platform that concentrates and converges Artificial Intelligence (AI) solutions and digital technologies in the naval vessel sector, performing the entire process from development to demonstration and verification. The Center serves as a core hub for advancing intelligent naval operations and digital transformation.

It focuses on the integrated development of naval AI solutions and digital ship technologies, including propulsion and machinery control and onboard monitoring systems. By applying validation frameworks based on real operational environments, the Center enhances the reliability and practical applicability of developed technologies. Key efforts are directed toward the intelligent modernization of major onboard operational spaces, such as the integrated bridge, combat information center, and central control room.

The Center features advanced demonstration and verification facilities, including an integrated machinery control room, an unmanned systems control room, a virtual combat information room, and an integrated naval bridge, enabling comprehensive simulation and real-environment-based validation. The GRC Naval Intelligence Fusion Center will begin interior construction in August 2025 and is scheduled to operate equipment for verification starting from the first half of 2026, performing its role as a core platform that drives the practical application of naval AI and digital technologies and the innovation of future naval power.

LOCAL CONSTRUCTION PROJECT WITH SIMA

TRANSFER OF TECHNOLOGIES

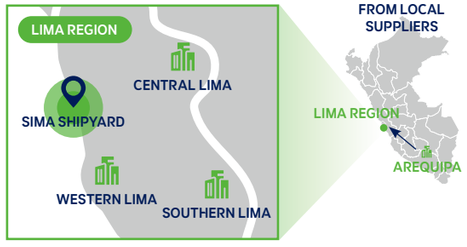
PERU + KOREA
SHIPBUILDING TECHNOLOGIES PARTNERSHIP

PROCESS INNOVATION **PRODUCTIVITY INNOVATION** **TECHNICAL INNOVATION**

- Provide shipbuilding process innovation and new production and quality standards
- Provide vital facilities to enhance productivity and automation
- Peru + Korea Joint R&D for future Peruvian naval ship

INDUSTRIAL COOPERATION

EXPANSION OF PERUVIAN INDUSTRY
BASED ON LOCALIZATION OF SHIP EQUIPMENT



STRENGTHENING LOCAL INDUSTRIAL FOUNDATIONS

- Phased procurement of local materials and equipment
- Technical cooperation for local production of major equipment

HHI is pursuing a partnership model with the Peruvian state-owned shipyard SIMA through a localized joint construction method. In April 2024, HHI signed a USD 435.6 million contract with SIMA to build four naval vessels for the Peruvian Navy—one frigate, one OPV, and two landing ships—and officially commenced the program.

Under this collaborative framework, HHI is responsible for technical support, including basic and detailed ship design, and providing production process know-how, workforce training, and the supply of key equipment and materials. SIMA is responsible for local hull construction and on-site shipbuilding execution, including final assembly, construction, testing, sea trials, and delivery. This partnership represents industrial cooperation aimed at strengthening Peru's shipbuilding industry base and expanding naval shipbuilding capabilities. The two parties plan to expand the scope of cooperation and build sustainable local capacity through a strategic alliance for the next 15 years.

In January 2025, HHI held the construction commencement ceremony at the SIMA shipyard, marking the start of full-scale shipbuilding activities. Delivery of the vessels is scheduled to begin sequentially from 2026, which is expected to contribute to Peru's fleet modernization and the establishment of a foundation for long-term technological independence.

Building on this proven partnership experience in Peru, HHI is well-positioned to expand and apply similar localized construction models by leveraging local shipyards in various other countries, simultaneously optimizing project execution efficiency and expanding local industrial participation.

HD HYUNDAI HEAVY INDUSTRIES
NAVAL & MEDIUM SIZE SHIPS

DESIGN
MATERIAL PACKAGE
TECHNICAL ASSISTANCE

TRANSFER OF KOREA'S SHIPBUILDING EXCELLENCE

SIMA

FINAL ASSEMBLY & CONSTRUCTION
TEST & TRIAL
DELIVERY

HD HYUNDAI HEAVY INDUSTRIES
NAVAL & MEDIUM SIZE SHIPS

SIMA

PRODUCT RANGE

DESTROYER


HDD-11000


HDD-10000


HDD-9000


HDD-5000

SUBMARINE


HDS-3000


HDS-2300


HDS-1800


HDS-1500


HDS-600

FRIGATE / CORVETTE / FAST ATTACK CRAFT


HDF-4000


HDF-3800


HDF-3500


HDF-3200


HDF-3000


HDF-2600


HDC-2000


HDC-500

LOGISTICS SUPPORT VESSEL


HDA-34000


HDA-24000


HDA-23000


HDA-22000


HDA-20000


HDA-10000


HDA-8000

MULTI-PURPOSE SUPPORT VESSEL

HDM-4000

HDM-3000

TRAINING VESSEL

HDT-5500

HDT-4500

HDT-3000

AMPHIBIOUS VESSEL

HDL-17000

HDL-13000

HDL-10000

HDL-7000

HDL-1400

PATROL VESSEL

HDP-5000

HDP-3000

HDP-2500

HDP-2200

HDP-1500
NEO

HDP-1000

HDP-800

HDP-500

HDP-300

GLOBAL NETWORK

HD HYUNDAI HEAVY INDUSTRIES
OVERSEAS BRANCHES

HD HYUNDAI HEAVY INDUSTRIES
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Peninsula District 2222, Subic,
2209 Zambales, The Philippines

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Piso 16, Oficina 1610,
Panama Rep. de Panama

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Mora 1102, Callao, Perú

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