

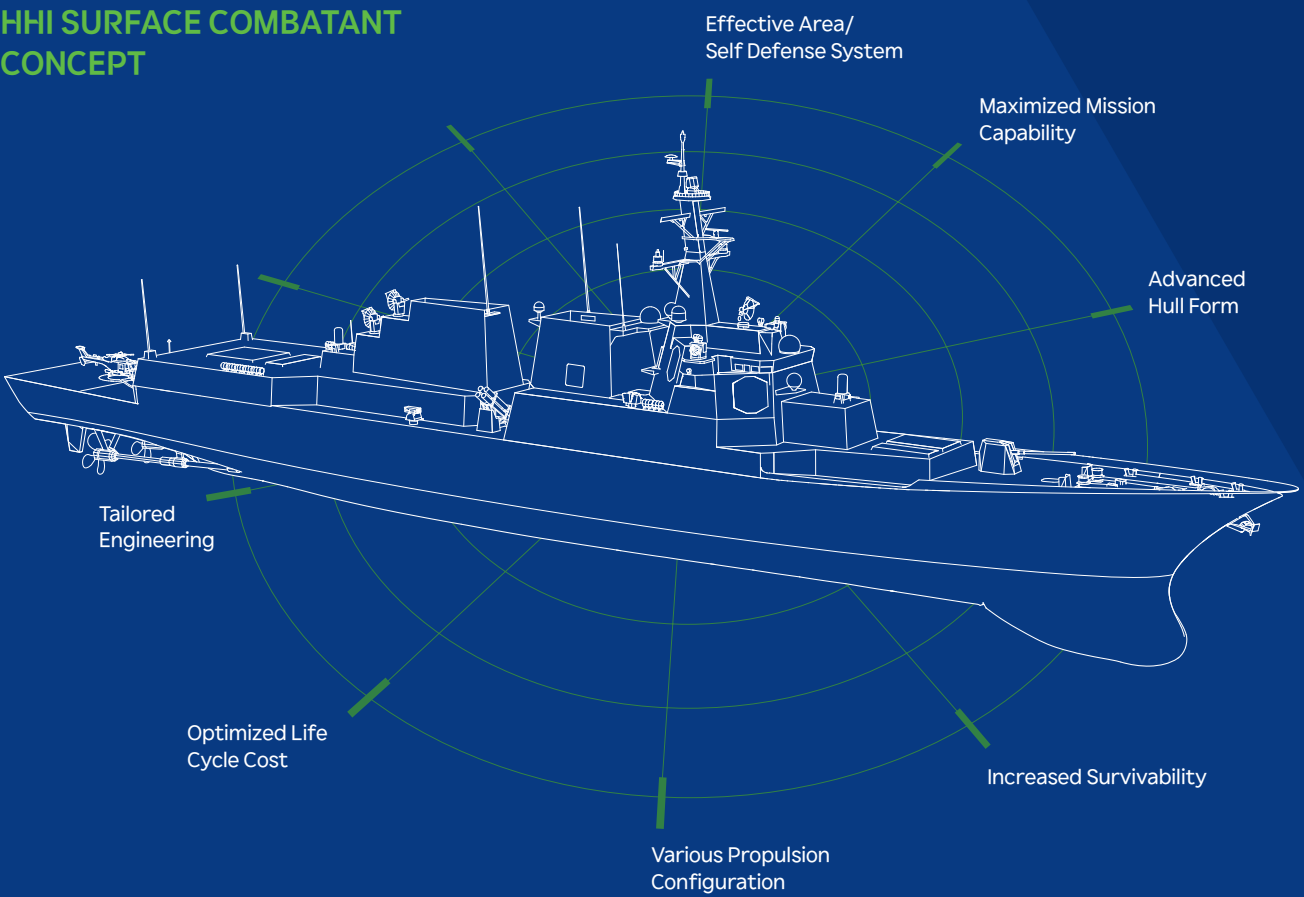
OUR TOP 3  
PRIORITIES

Tailored Solution

On-Time

Within Budget

HHI SURFACE COMBATANT  
CONCEPT



SCOPE OF SERVICE

Integrated solution for maritime security

HHI provides end-to-end services, from maritime security consulting to through-life support, tailored to customer's specific requirements. Our extensive experience and expertise guarantee the timely and budget-conscious delivery of these services to the satisfaction of the customers.



Maritime security consulting

Fleet modernization planning & Top level requirement analysis



Design & Engineering

Solution optimization for customer requirements and operating environments



Production & Construction

Highest quality & on-time delivery



System Integration

Impeccable and Seamless system interface & integration



Test & Trial

Proven performance and seaworthiness with systemic test procedure



Training & Technical assistance

Long term commitment for knowledge-sharing



Integrated Logistics Support & Through Life Support

High levels of availability at an affordable cost



Localization

Shared growth through transfer of technology and co-production

THE WORLD'S  
NO.1 SHIPBUILDER

english.hhi.co.kr  
naval-special.hhi.co.kr



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SURFACE  
COMBATANTS



THE WORLD'S NO.1 SHIPBUILDER

# THE CRADLE OF MARITIME SECURITY



## World's No.1 Shipbuilder, HD Hyundai Heavy Industries

HD Hyundai Heavy Industries (HHI) is the Leader in the global shipbuilding industry. HHI acquired deep expertise and wide experience in shipbuilding to deliver high-quality ship from streamlined production facilities with reliable engineering solutions and innovative technologies. Based on a wealth of capabilities and experience, HHI has delivered more than 2,400 ships to clients around the world since 1972.

## Tailored Solutions to Special and Naval Shipbuilding

HHI Naval & Special Ship is a dedicated organization to naval and special shipbuilding. Since delivery of the first Ulsan class frigate for ROKN in 1980, HHI has played a pivotal role in the fleet modernization by designing and building a variety of sophisticated naval vessels, tailored to user requirements. Our experienced engineers and advanced facilities enable us to deliver the most satisfactory solutions to our clients. Among HHI's 10 dry docks, 2 dry docks and 1 ship lift are dedicated to naval and special ship.

## Commitment to Advanced Technology

Over the years, HHI has completed the basic design for the majority of ROKN surface combatants, integrating cutting-edge warship technology. The HHI R&D center plays a crucial part in providing innovative solutions to meet the evolving needs of our customers over time. We are steadfast in our belief that technological innovation is fundamental to our leadership in the naval shipbuilding industry.

## HDD SERIES

### Destroyer

Capable of operating effectively in blue water for extended periods, the HDD series represents an exceptionally powerful class of destroyers, equipped with high-performance sensors and a diverse range of offensive and defensive capabilities across all warfare domains.

### Mission

- Anti Surface Warfare (ASuW)
- Anti Submarine Warfare (ASW)
- Anti Air Warfare (AAW)
- Electronic Warfare (EW)
- Naval Gun Fire Support (NGFS)



### HDD-11000

MAIN DIMENSION	
Length	170 m
Breadth	22 m
Displacement	11,000 tons

### PERFORMANCE

Max. Speed	30 kts
Operational Range	5,500 n.m. at 20 kts
Endurance	30 days

### HELICOPTER SUPPORT

Flight Deck	1
No. of Hangar	2



### HDD-10000

MAIN DIMENSION	
Length	165 m
Breadth	21 m
Displacement	10,000 tons

### PERFORMANCE

Max. Speed	30 kts
Operational Range	5,500 n.m. at 20 kts
Endurance	30 days

### HELICOPTER SUPPORT

Flight Deck	1
No. of Hangar	2



### HDD-5000

MAIN DIMENSION	
Length	150 m
Breadth	18 m
Displacement	5,000 tons

### PERFORMANCE

Max. Speed	30 kts
Operational Range	5,000 n.m. at 15 kts
Endurance	30 days

### HELICOPTER SUPPORT

Flight Deck	1
No. of Hangar	2

## HDF SERIES

### Frigate

The HDF series is a multi-purpose stealth frigate that incorporates the latest technologies. Despite being smaller than the HDD series, it proves highly effective in various warfare areas. Equipped with the ability to respond effectively to multi-mission operations, it also demonstrates excellent maneuverability. All on-board systems are seamlessly integrated, ensuring maximum performance when needed.

### Mission

- Anti Surface Warfare (ASuW)
- Anti Submarine Warfare (ASW)
- Anti Air Warfare (AAW)
- Electronic Warfare (EW)
- Naval Gun Fire Support (NGFS)



### HDF-4000

MAIN DIMENSION	
Length	129 m
Breadth	15 m
Displacement	4,000 tons

### PERFORMANCE

Max. Speed	30 kts
Operational Range	4,500 n.m. at 15 kts
Endurance	30 days

### HELICOPTER SUPPORT

Flight Deck	1
No. of Hangar	1



### HDF-3800

MAIN DIMENSION	
Length	122 m
Breadth	14 m
Displacement	3,800 tons

### PERFORMANCE

Max. Speed	27 kts
Operational Range	4,500 n.m. at 15 kts
Endurance	30 days

### HELICOPTER SUPPORT

Flight Deck	1
No. of Hangar	1



### HDF-3500

MAIN DIMENSION	
Length	120 m
Breadth	14 m
Displacement	3,500 tons

### PERFORMANCE

Max. Speed	30 kts
Operational Range	4,500 n.m. at 15 kts
Endurance	30 days

### HELICOPTER SUPPORT

Flight Deck	1
No. of Hangar	1



### HDF-3200

MAIN DIMENSION	
Length	115 m
Breadth	15 m
Displacement	3,200 tons

### PERFORMANCE

Max. Speed	26 kts
Operational Range	4,500 n.m. at 15 kts
Endurance	30 days

### HELICOPTER SUPPORT

Flight Deck	1
No. of Hangar	1



### HDF-3000

MAIN DIMENSION	
Length	114 m
Breadth	14 m
Displacement	3,000 tons

### PERFORMANCE

Max. Speed	30 kts
Operational Range	4,500 n.m. at 15 kts
Endurance	30 days

### HELICOPTER SUPPORT

Flight Deck	1
No. of Hangar	1



### HDF-2600

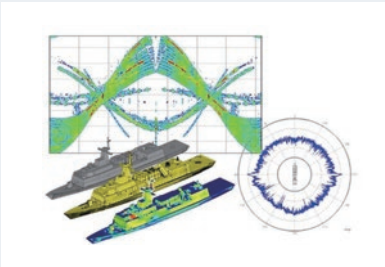
MAIN DIMENSION	
Length	107 m
Breadth	14 m
Displacement	2,600 tons

### PERFORMANCE

Max. Speed	25 kts
Operational Range	4,500 n.m. at 15 kts
Endurance	30 days

### HELICOPTER SUPPORT

Flight Deck	1
No. of Hangar	1



### Enhanced Survivability

HHI has dramatically improved the survivability of its naval vessels through the analysis of potential threats and the application of advanced technologies, including:

- Shock Resistance & System Protection
- NBC Defence System
- Vital System Separation & Redundancy
- Reduced Signatures: RCS / IR / URN / Magnetic



### In-House Engineering

HD Hyundai Heavy Industries has various in-house R&D institutes and is technologically selfsufficient. HHI's engineering capabilities can fully satisfy customer needs by delivering optimal solutions from proven cutting-edge technologies.



### Quality Management

HHI responds to customer trust by applying strict quality management(QM) policies that meet international standards. We satisfy the standards of the ISO 9001QM system, and perform thorough quality management in the entire process along with various classification societies and certification organizations.