

# BUILD

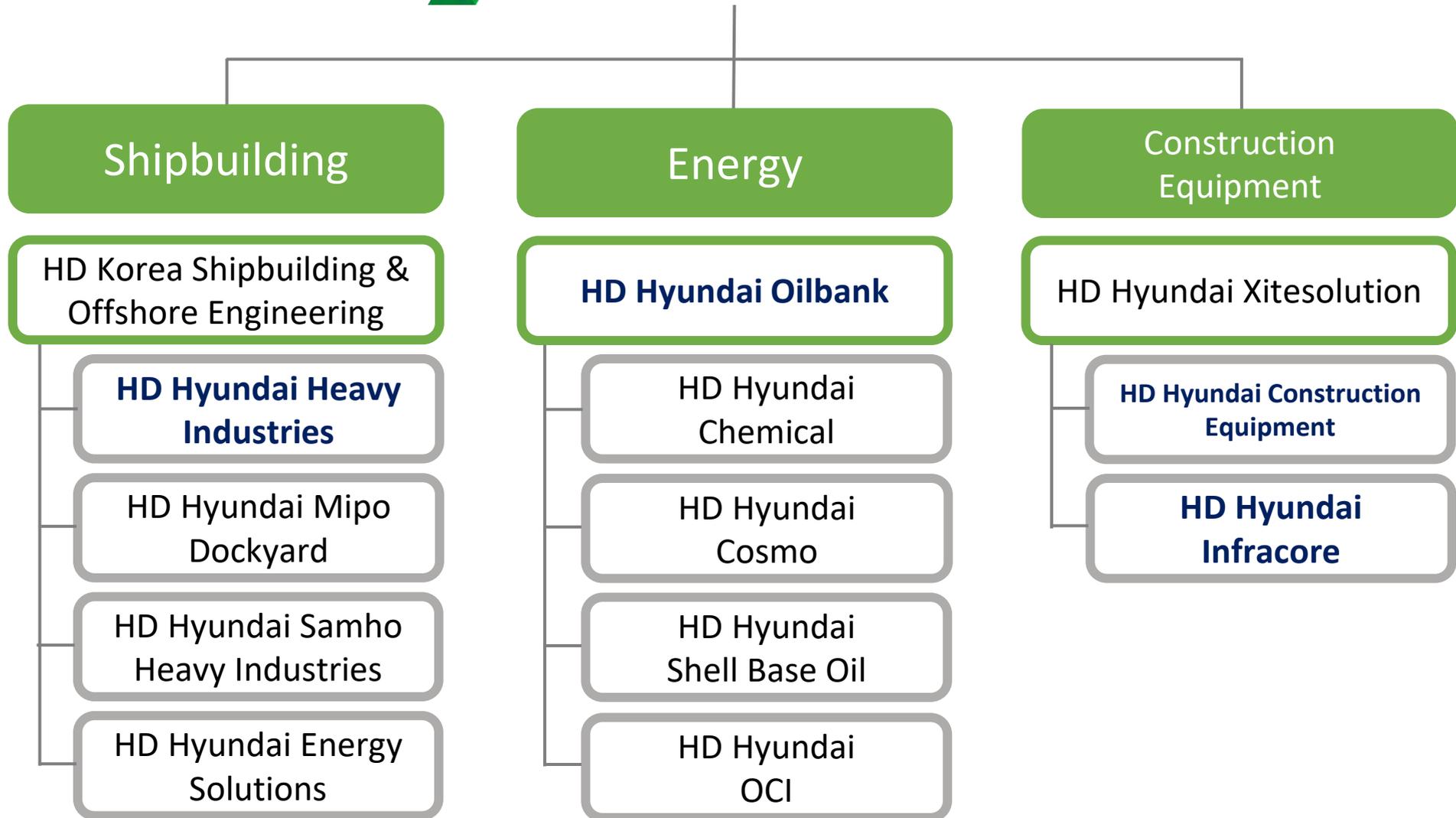
## YOUR CAPABILITY

HHI will deliver an enhanced surface combatant fleet and sovereign shipbuilding industry to Royal Australian Navy and Western Australia.

Naval Capability – acquire proven platform with latest technology

Shipbuilding Capability – build your own vessels at Australian Marine Complex

## HD HYUNDAI



# Group Dedicated to Shipbuilding

 **HD HYUNDAI**

 **HD KOREA SHIPBUILDING & OFFSHORE ENGINEERING**

 **HD HYUNDAI HEAVY INDUSTRIES**

 **HYUNDAI SAMHO HEAVY INDUSTRIES**

 **HYUNDAI MIPO DOCKYARD**

  
Naval & Special Ship



Shipbuilding



Engine & Machinery



Offshore & Energy

 **HYUNDAI VIETNAM SHIPBUILDING**

# HHI Facts and Figures (2023)



**USD 14 Bil.**  
Total Assets

**USD 9 Bil.**  
Revenue

**USD 136 Mil.**  
Operating Profit

**2,300**  
Delivered ships

**approx. 13,000**  
Employees

# Our journey in becoming **the World's Best**



## 1970s~1980s

## 1990s~2000s

## 2010s~2020s

- 1970** Contract for two of 260,000 DWT VLCC was awarded
- 1972** HHI was established
- 1975** HMD was established to offer ship repair/conversion services
- 1983** Ranked No.1 in the world in ship orders and construction
- 1984** Hyundai Maritime Research Institute (HMRI) was established to support R&D
- 1986** Built the world's largest cargo ship (365,000 DWT)

- 1992** HSHI was established
- 1994** Delivered Korea's first LNG carrier
- 1996** HMD entered into newbuilding business
- 1999** Listed on Korean Stock Exchange
- 1999** HVS was established in Vietnam
- 2004** Launched the world's first on-ground-built ship
- 2007** HVS entered into newbuilding business

- 2010** Built the world's largest FPSO (320m x 61m x 32m)
- 2012** HHI achieved 100 million GT in shipbuilding for the first time
- 2013** Delivered the first LNG-FSRU
- 2014** Built the world's largest containership (19,000 TEU)
- 2015** Achieved a new delivery milestone of HHI's 2,000th, HMD's 800th, and HSHI's 600th ship respectively
- 2019** KSOE was established as sub-holding company of four shipyards

- FPSO: Floating Production Storage and Offloading
- FSRU: Floating, Storage, Re-gasification Unit

# Shipbuilding Capabilities

**HYUNDAI** SAMHO  
HEAVY INDUSTRIES



**HD** HYUNDAI  
HEAVY INDUSTRIES



**HYUNDAI VIETNAM**  
SHIPBUILDING



**HYUNDAI** MIPO  
DOCKYARD



**INTERNATIONAL MARITIME INDUSTRIES**  
POWERED BY SAUDI ARAMCO | LAMPRELL | BAHRI | HHI

- Equity Investment
- Local Construction
- Local Content
- Material Package
- Transfer of Technology
- Technical Assistance
- Training



**SIMA**  
SERVICIOS INDUSTRIALES DE LA MARINA  
CONSTRUCCIONES Y REPARACIONES NAVALES DESDE 1945

- Local Construction
- Local Content
- Material Package
- Transfer of Technology
- Technical Assistance
- Training

# Milestone of Naval and Special Ship

- 1976** Designated as defense Industry company
- 1980** Delivered a first Korean indigenous frigate 'Ulsan' class
- 1988** Delivered a logistics support vessel to Royal New Zealand Navy
- 1997** Delivered a Patrol Vessel to Bangladesh Navy
- 2001** Delivered a logistics support vessel to Bolivarian Navy of Venezuela
- 2007** Delivered a Son Won-il (214) class submarine
- 2008** Delivered the first Aegis destroyer 'Sejong the Great' class
- 2012** Delivered an Aegis destroyer 'Seoae Ryu Seong-ryong'
- 2013** Delivered the first FFX Batch-I 'Incheon' class
- 2020** Delivered 1st frigate and a logistic support vessel to Philippine Navy and Royal New Zealand Navy respectively  
Delivered concept design of Korean Aircraft Carrier(CVX)
- 2021** Won a contract for design and building of Corvettes to Philippine Navy
- 2022** Won a contract for design and building of OPVs to Philippine Navy
- 2023** Delivered basic design of Korea Destroyer Next Generation (KDDX)
- 2024** Delivery (Scheduled) of an Aegis destroyer batch-II, 'Jeongjo the Great'  
Delivery (Scheduled) of the first FFX batch-III, 'Chungnam' class



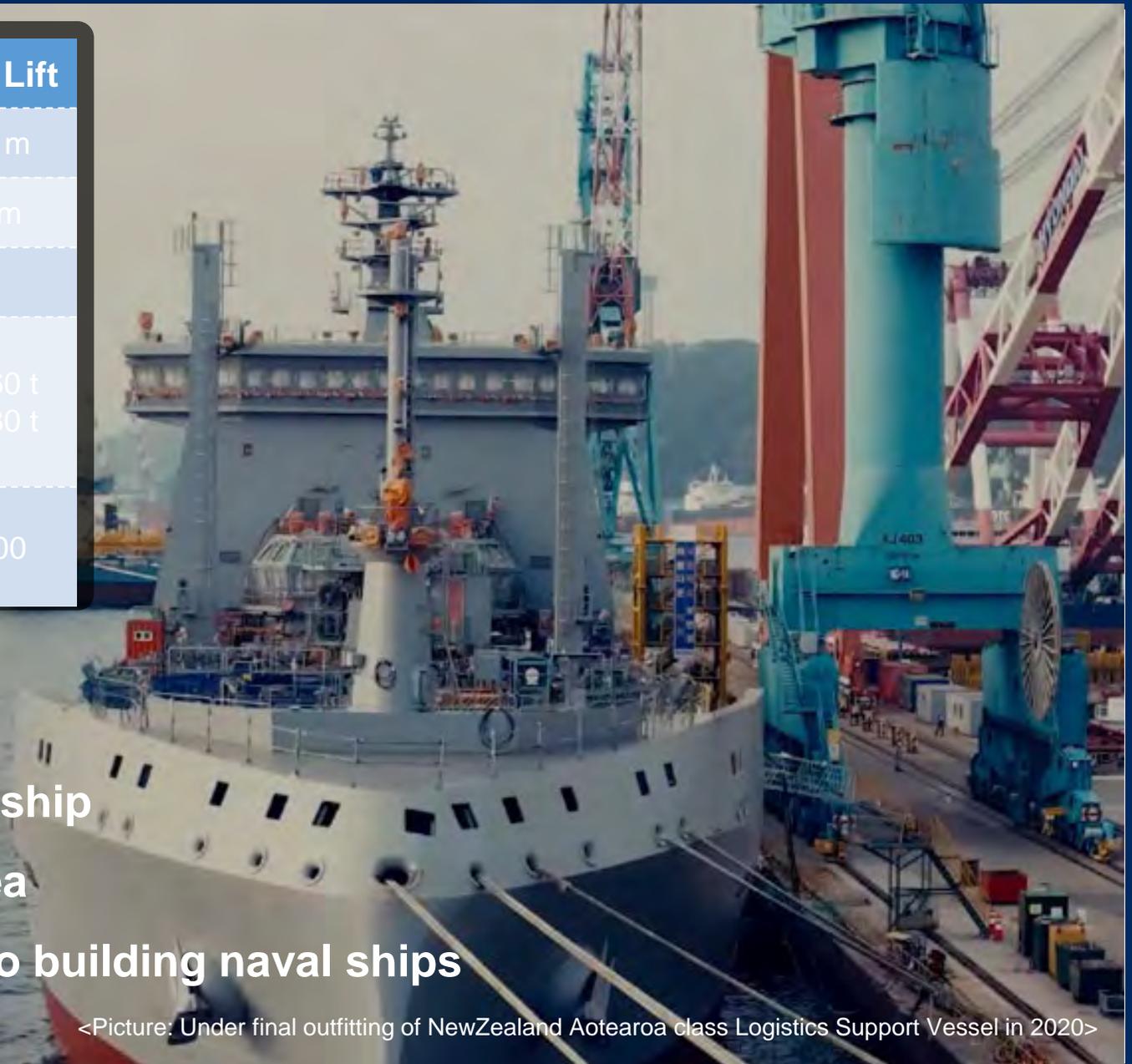
<Picture: At launching ceremony of FFX Batch-III 'Chungnam' class in APR. 2023>

# Naval Shipbuilding Capability

	No.6	No.7	Ship Lift
Length	260 m	170 m	120 m
Width	43 m	25 m	20 m
Depth	12 m	12 m	-
Crane	1 x 200 t 1 x 150 t 2 x 10 t		1 x 60 t 1 x 30 t
Max. Size DWT	170,000	65,000	2,600

- Dedicated facilities for naval ship
- 24/7 security in restricted area
- 1,300 Employees dedicated to building naval ships

<Picture: Under final outfitting of NewZealand Aotearoa class Logistics Support Vessel in 2020>



# Naval Shipbuilding Track Records



8 Destroyers



17 Frigates



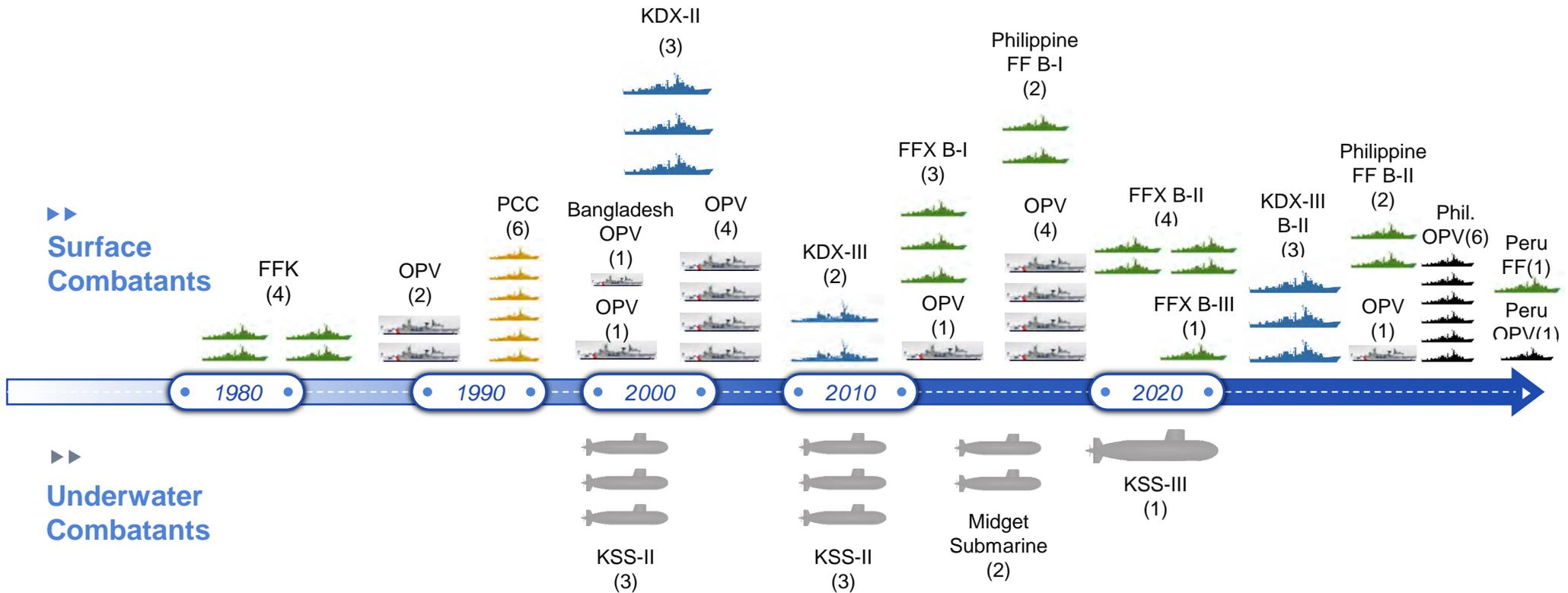
6 Corvettes



39 OPVs  
(incl. Coast Guard)



9 Submarines



50+ years of experience, and **we are just getting started!**

# ROKN Surface Ship Reference



**KDX- II**  
(5,000 ton)



**KDX- III Batch-I**  
(10,000 ton)



**KDX- III Batch-II**  
(11,000 ton)



**FFX- I**  
(3,000 ton)



**FFX- II**  
(3,500 ton)



**FFX- III**  
(4,000 ton)

# Introducing FFX Batch-III Frigate

## FFX Batch-II Frigate

- ROKS Seoul
- ROKS Donghae
- ROKS Cheonan
- ROKS Chuncheon



## Philippine Navy Frigate

- BRP Jose Rizal
- BRP Antonio Luna



## FFX Batch-I Frigate

- ROKS Incheon
- ROKS Gyeonggi
- ROKS Jeonbuk



## Philippine Navy Frigate Batch-II

- BRP Miguel Malvar
- 2nd Ship under construction

## Lessons Learned from Export Vessels

- ✔ Proven Hull Shape and ship performance
- ✔ Proven Propulsion Configuration
- ✔ Proven Electrical Systems

## Lessons Learned from latest Destroyer and Frigates of ROKN

- ✔ Combat Systems Integration
- ✔ Survivability
- ✔ Stealth Enhancement



FFX Batch-III Frigate

Embodiment of HHI's 52 years of naval ship design and combat suite integration technology on a proven hull form.

## Peruvian Navy Frigate

- To be constructed by
- SIMA, Peruvian Shipyard



## KDX-III Batch-II Aegis Destroyer

- ROKS Jungjo the Great
- 2 more vessels under construction



## KDX-II Destroyer

- ROKS Munmu the Great
- ROKS Wang Geon
- ROKS Choi Young



## KDX-III Batch-I Aegis Destroyer

- ROKS Sejong the Great
- ROKS Seoae Ryu Seong-ryong



# EXPORT Reference



**HMNZS Aotearoa, RNZN**



**Local Construction Project,  
Peruvian Navy**



**BRP Jose Rizal, Philippine Navy**



**BRP Miguel Malvar, Philippine Navy**

# Early delivery, Great Quality

← 2 Months

RIMPAC

Actual Delivery

Contractual Delivery



## BRP Jose Rizal didn't encounter issues during RIMPAC 2020, says Navy

Published October 19, 2020 4:21pm

By ANNA FELICIA BAJO, GMA News

Philippine Navy chief Vice Admiral Giovanni Carlo Bacordo on Monday said there was no problem encountered with the systems of BRP Jose Rizal (FF150) during the Rim of the Pacific Exercise (RIMPAC) 2020, the world's largest joint and combined naval exercise.

Speaking to reporters, Bacordo was asked to give an assessment on the performance of BRP Jose Rizal during the naval exercise.

"During the last RIMPAC, there were no issues whatsoever... whether machinery or electronic, weapon system, nothing so our ship's crew as testified by Captain Jerry Garrido, the whole duration of the RIMPAC, the trip going there, the duration of the RIMPAC and the trip going back, no issue at all," Bacordo said.

"We are happy with the performance of FF150," he added.

BRP Jose Rizal, the country's first missile-capable frigate, joined in the international maritime exercise held in Hawaii from August 17 to 31.

The Philippine Navy earlier said its participation in RIMPAC "has advanced its maritime operational capability to multilateral level, thereby increasing readiness and interoperability with foreign navies."

The vessel conducted several post-RIMPAC exercises along with the USS Chung-Hoon of the United States Navy and the KDB Darulehsan (OPV 07) of the Royal Brunei Navy. — **BM, GMA News**

# Satisfied Returning Customers

## HD Hyundai Heavy Industries Launches The Philippine Navy Corvette 'BRP Miguel Malvar'

HD Hyundai Heavy Industries announced on the 18th that it held a launching ceremony for the first 3,200-ton patrol vessel for the Philippine Navy, the 'BRP Miguel Malvar,' at its headquarters in Ulsan.

Eunhyuk Cha 18 Jun 2024

On Tuesday, June 18th, HHI announced that it held the launching ceremony for the 3,200-ton Philippine Navy Corvette 'BRP Miguel Malvar' at its shipyard in Ulsan, attended by high-ranking military officials from both the Philippines and the Republic of Korea.

The Launching Ceremony was attended by the Philippine Secretary of National Defense (SND) Atty. Gilberto C. Teodoro Jr., Undersecretary for Civil, Veteran, and Reserve Affairs, Mr. Pablo M. Lorenzo, Undersecretary for Acquisition and Resource Management, Mr. Salvador Melchor B. Mison, Jr., Chief of Staff of the Armed Forces of the Philippines (AFP), LTGEN Romeo S. Brawner, and Flag Officer-In-Command of the Philippine Navy, VADM Toribio D. Adaci Jr. among many distinguished guests.

Mrs. Monica Louise Prieto-Teodoro, the wife of SND and special envoy to the United Nations Children's Fund (UNICEF) performed the christening of the ship as the designated sponsor. From Korea, Deputy Chief of Naval Operations VADM Kang Dong-Gil and Deputy Director of the Defense Acquisition Program Administration Mr. Kang Hwan-Seok graced the occasion with their presence.

BRP Miguel Malvar is a state-of-the-art surface combatant measuring 118.4 meters in length and 14.9 meters in breadth, with a cruising speed of 15 knots (about 28 km/h) and a range of 4,500 nautical miles (8,330 km). It is equipped with advanced weapon systems such as anti-ship missiles, vertical launch systems, and 3D AESA radar.



# Localization



We actively seek localization at foreign shipyards

# Peruvian Navy Local Construction Project



## HD HHI Signs Contract For Local Construction Of Four Naval Vessels For The Peruvian Navy

On April 16th, 2024, HD Hyundai Heavy Industries ("HHI") signed a contract for the local construction of four naval vessels with Servicios Industriales de la Marina ("SIMA"), Peru's state-run shipyard, at the Peruvian Navy Club (Centro Naval de San Borja). The contract was signed three weeks after HHI was selected as the preferred bidder for the project on March 27th, 2024.

Naval News Staff 17 Apr 2024



# Joint Venture with Saudi Aramco

## A JOINT VENTURE CREATED BY FOUR INDUSTRY LEADERS



Saudi Aramco is the state-owned oil company of Saudi Arabia and a fully integrated, global petroleum and chemicals enterprise.

With over 40 years' experience, UAE-based Lamprell is a leading provider of fabrication, engineering and contracting services to the oil and gas and renewable energy industries.

Established in 1978, Bahri is the national shipping carrier of Saudi Arabia and one of the largest providers of maritime services globally.

Headquartered in Ulsan, South Korea, Hyundai Heavy Industries Co., Ltd. is the world's largest shipbuilding company.



## International Maritime Industries Signs VLCC Order With HHI and Bahri in Support of Establishing a New Maritime Industry in Saudi Arabia

- Contract signing intends to enable IMI to build its first VLCC for Bahri in South Korea providing IMI with world-class industry knowledge and experience

NEWS PROVIDED BY  
**International Maritime Industries** →  
Sep 17, 2019, 16:29 ET

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# Biggest Australian Customer, Woodside Energy



# R&D Collaboration with Univ. of West Australia



## Memorandum of Understanding(MOU) between

### Hyundai Heavy Industries(HHI) and Australian Centre for LNG Future(ACLNGF)

This Memorandum of Understanding (MOU) describes the classified network arrangement between Hyundai Heavy Industries (hereby HHI) and Australian Centre for LNG Future (hereby ACLNGF) hosted by University of Western Australia in support of the LNG Future Facility.

#### **I. Purpose:**

HHI and ACLNGF will mutually cooperate in the development of design and operation for a variety of LNG solutions including liquefaction system, regasification system, gas processing system and etc.

#### **II. Cooperation field:**

For successful business & research development of the LNG facility, both parties shall collaborate in the following areas:

Establishment of the proposed LNG Futures Facility.

- HHI supports the establishment of the proposed Australian LNG Futures Facility, and will provide a financial or in-kind contribution to conduct research cooperation and thereby create a global center of excellence for natural gas expertise and capability in Australia. For a financial or in-kind contribution, the details will be discussed in the execution stage.
- The LNG Futures Facility will also provide a vital, live training for the LNG industry (operations, maintenance, and engineering) including start-up/shut-down cycles, supporting Australia's world leading natural gas industry and providing a hub for resources-based industry in the Asia Pacific region.
- The cooperation includes completion of Front End Engineering & Design (FEED) for the Facility; acquisition of the necessary regulatory and environmental approvals; and finalization of the Facility's governance and business models.

In addition,

- Exchange and cooperation of technical information and professional personnel
- Establish and participate in a support network between the two parties
- Promotion of technical cooperation required by other parties

# From Customer to Collaborator, Woodside Energy



NEW ENERGY | 14 FEB 2024

## COLLABORATING ON THE DEVELOPMENT OF MARINE TRANSPORTATION OF LIQUID HYDROGEN

Woodside Energy, HD Korea Shipbuilding & Offshore Engineering, and Hyundai Glovis welcome Mitsui O.S.K Lines to the collaboration of shipping solutions for liquified hydrogen.



**Thank you**