



Export Supporting System In Small & Medium Shipbuilding Industry

#1 Shipbuilding

hosted by



산업통상자원부

Ministry of Trade, Industry and Energy

organized by



한국조선해양기자재연구원
Korea Marine Equipment Research Institute



부산조선해양기자재공업협동조합
Busan Marine Equipment Association



BUSAN MARINE ENGINEERING ASSOCIATION
부산해양엔지니어링산업협회



KBIZ 한국중소조선공업협동조합
Korea Shipbuilding Industry Cooperative

Export Supporting System

In Small & Medium Shipbuilding Industry

#1 Shipbuilding

GENERAL CATALOGUE

www.kosic.or.kr

BUYERS GUIDE

Small-Sized Shipbuilders in Korea & KOSIC



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Vision & Mission

Globally Win-Win Cooperation and Collaboration

- Collective Purchase of Sales to reduce production cost and explore market opportunity
- ISO Certificates Acquisition Support to leverage it as enhanced quality and productivity
- Mutual Aid and Loan, Guarantee Fund to provide credit guarantee service for bidding participation and executing contracts
- Overseas Marketing and Global Cooperation to develop mutually beneficial collaboration

Chronicles

One of the Business Organizations with the Longest History in Korea

- **1948 Jan.** Josun Shipbuilding Association inaugurated
- **1948 Aug.** Renamed to Korea Shipbuilding Association
- **1962 May** Korea Shipbuilding Industry Cooperative (KOSIC) established
- **1987 Nov.** Completion of KOSIC office building
- **1988 Oct.** KOSIC 40-Year History published
- **1996 Oct.** Korea Small & Medium Shipbuilding Technology Institute established (Approved by the Ministry of Science & Technology)
- **2022 Apr. ~ present** Nominated as an Implementing Agency of Overseas Export Development Activities for Small-sized Shipbuilders

Generating Innovation & New Opportunities

Exploring New Opportunities in Eco-friendly Propulsion System Applied Vessels

Global shipbuilding is undergoing a comprehensive transformation to a more resource conservation and environmentally friendly industry.

Korea Shipbuilding Industry Cooperative (KOSIC) and our member companies are geared to develop and supply the high-quality green vessels at small and medium size to our overseas clients.

Moreover, Korean shipyards are poised to generate new opportunities in the newly emerging offshore wind and eco-friendly propulsion applied vessels markets.

Illustratively, equipped with our accumulated technologies, we are making efforts to develop and construct offshore wind-related specialty ships designed for operating on the ocean, serving multiple purposes.

Wishing you good health and good fortune, I solicit your continued patronage and support our initiative to build win-win partnerships, enhancing our common human value.

Faithfully yours,

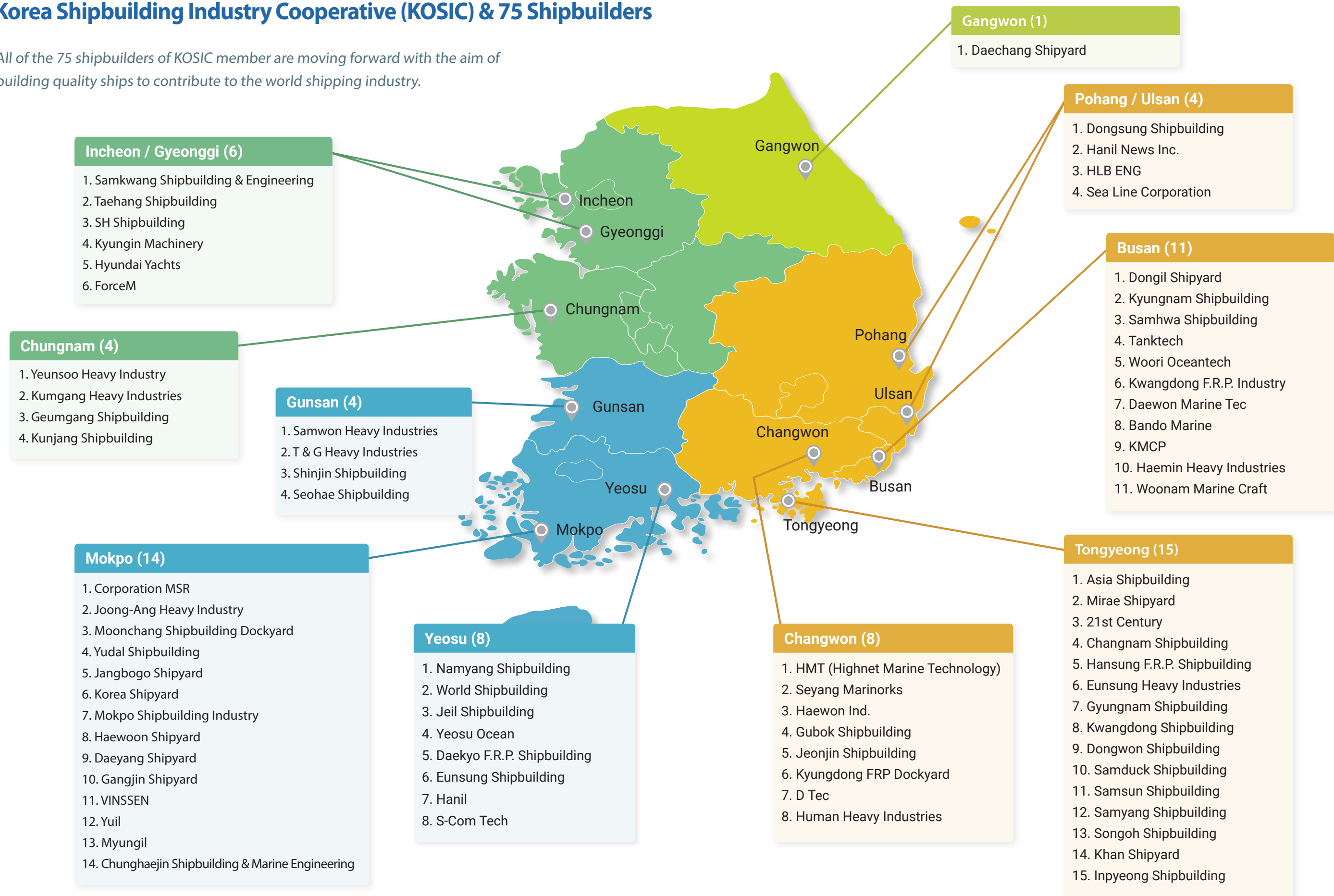


Sung Tae KIM

Chairman
Korea Shipbuilding Industry Cooperative (KOSIC)

Korea Shipbuilding Industry Cooperative (KOSIC) & 75 Shipbuilders

All of the 75 shipbuilders of KOSIC member are moving forward with the aim of building quality ships to contribute to the world shipping industry.



In a move to build up cooperation and collaboration with Asian countries in the area of small-sized shipbuilding, Korea Shipbuilding Industry Cooperative (KOSIC) carried out a variety of cooperative programs since 2022 as follow: (Ed.)

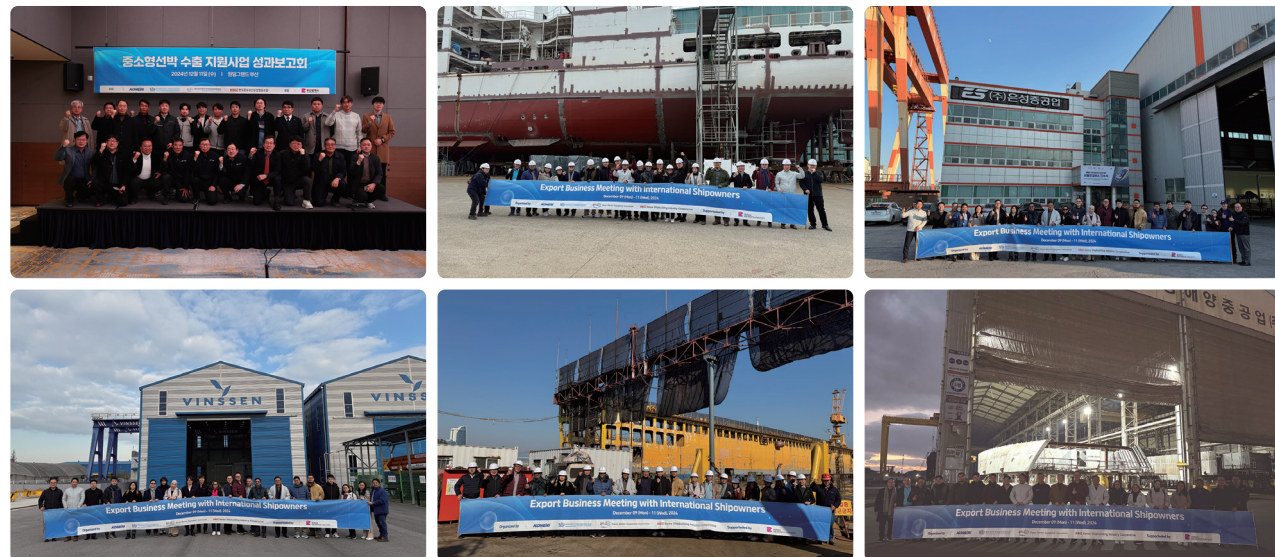
Export Business Meeting with International Shipowners

The Export Business Meeting with International Shipowners was organized as a customized 1:1 business meeting event to expand market opportunities for the small and medium-sized shipbuilding industry.

The meeting invited shipowners and shipbuilding industry representatives from six Southeast Asian countries (Malaysia, Indonesia, Singapore, Taiwan, Vietnam, and the Philippines).

The event featured domestic shipyard yard tours held from Dec. 9 to 10, visiting the following shipyards: Samwon Heavy Industries in Gunsan, Joong-Ang Heavy Industry and VINSSSEN in Yeongam, Yeosu Ocean in Yeosu, and Eunsung Heavy Industries in Sacheon. On Dec. 11, the Export Business Meetings were conducted in two sessions (morning and afternoon).

During the performance report session, it was announced that various support programs this year have led to significant achievements, including signing contracts and letter of intent (LOI).



JAH Heavy Industry Secures Newbuilding Order for Harbour Support Vessel in Mozambique

Joong-Ang Heavy Industry Co., Ltd. (JAH), located in Daebul Industrial Complex in Yeongam-gun, Jeollanam-do, signed a contract with a Mozambican shipowner on Nov. 14 to build a Harbour Support Vessel.

The vessel, approximately 36 meters in length and 11 meters in width, is equipped with Azimuth Thruster propulsion and is scheduled for delivery to the shipowner around March 2026. It will be operated for the maintenance and repair of buoys installed along the Mozambican coast.

Mr. Byung-Seok Lee, CEO of Joong-Ang Heavy Industry, stated, "Based on Korea's world-class shipbuilding technology, if we actively participate in and secure orders for shipbuilding projects across African nations, starting with Mozambique, we can develop new export opportunities."



Export Consultations with the MOSVA and Visit MIMEX 2024

Korea Shipbuilding Industry Cooperative (KOSIC) participated in export consultations with the Malaysian Offshore Support Vessel Owners Association (MOSVA) and attended the MIMEX 2024 exhibition held at the Kuala Lumpur Convention Center (KLCC) on Nov. 12-13.

The overseas meeting with MOSVA involved seven domestic small shipyards (Joong-Ang Heavy Industry, Dongsung Shipbuilding, Samkwang Shipbuilding, Eun Sung Heavy Industries, VINSSSEN, Mirae Heavy Industries, and Dongil Shipyard) along with BUEA and Far East Ship Design & Engineering. Attendees from MOSVA included Dato Roslan and representatives from OSV-owning and operating companies.

The participating domestic small shipyards presented key topics and introduced their flagship vessels. MOSVA provided an introduction to the organization and a briefing on the local OSV market, followed by a session of mutual discussion. As part of efforts to establish long-term cooperative relationships, both sides agreed to discuss the possibility of signing an MOU in the future.



Participates in Export Consultation Meeting at BEACON in Philippines

Korea Shipbuilding Industry Cooperative (KOSIC), participated in the export consultation event linked to the 'BEACON EXPO 2024' exhibition held at the SMX Convention Center in Manila, Philippines, during the period of Sept. 30-Oct. 2.

Together with domestic small shipyards (Dongil Shipyard, Samwon Heavy Industries, T&G Heavy Industries, Bando Marine, and Kunjang Shipbuilding), KOSIC promoted each shipyard's flagship vessel types and new technologies while working to establish cooperative relationships and consultations for entering the local market.

The main inquiries regarding the participating companies were as follows:

- **Bando Marine, Kunjang Shipbuilding:** Construction and technical capabilities of RHIB boats.
- **Kunjang Shipbuilding, Dongil Shipyard:** Delivery performance of high-speed patrol boats and guard ships.
- **Dongil Shipyard, Samwon Heavy Industries:** Inquiries regarding small survey vessels, floating cranes, patrol ships, and lifeboats.



Participation in the Malaysia OGA Exhibition and Export Business Meetings

Korea Shipbuilding Industry Cooperative (KOSIC) participated in the 'Oil & Gas Asia 2024' (OGA 2024) exhibition and export business meeting, held at the Kuala Lumpur Convention Center (KLCC) in Malaysia from Sept. 25 to 27, along with domestic small shipyards Dongsung Shipbuilding and Eunsung Heavy Industries.

The event aimed to promote each shipyard's flagship vessel types and new technologies while fostering cooperative relationships and exploring opportunities for entry into the local market.

Key consultations with participating companies focused on eco-friendly fuel-propelled vessels and offshore wind support vessels, with various inquiries regarding development, construction, and pricing. Dongsung Shipbuilding received significant interest for its hybrid tug boats, while Eunsung Heavy Industries attracted attention from Malaysian shipowners for its CTV vessels and other offshore wind support ships.



KOSIC Explores New Market Opportunities for Small Shipyards at INAMARINE

Korea Shipbuilding Industry Cooperative (KOSIC) participated in the INAMARINE 2024 Exhibition and Export Consultation Meetings held at JIEXPO in Jakarta, Indonesia, on July 30-Aug. 1. Domestic small shipyards (Samkwang Shipbuilding & Engineering, Samwon Heavy Industries, Woori Oceantech, and VINSSEN) and ship design companies (FESDEC and KOMAC) promoted the vessels being constructed as their flagship products and worked to establish cooperative relationships and build connections for entry into the local market.

This participation aimed to help domestic small shipyards, which face challenges such as a lack of domestic demand, to explore overseas markets and overcome difficult circumstances. Discussions were held on Patrol Boats and Tug Boat specifications and delivery times, as well as inquiries regarding High-Speed Boats (60 knots) and hydrogen fuel cells.

Additionally, during the presentation, In-Ju Kim, Manager at VINSSEN, delivered a speech on the topic of 'Enabling Maritime Decarbonization Fuel Cell Technology.'



Shipyards and Design Companies Jointly Participate in PHILMARINE

Korea Shipbuilding Industry Cooperative (KOSIC) participated in the 'PHILMARINE 2024' exhibition and export consultation meetings held in Manila, Philippines, on June 19-21. KOSIC was accompanied by domestic small shipyards (Dongsung Shipbuilding, Joong-Ang Heavy Industry, Asia Shipbuilding, Dongil Shipyard, Eunsung Heavy Industries, and VINSSEN) and ship design firms (FFar East Ship Design & Engineering, KOSTEC, and Dongyang Engineering).

As the first exhibition and consultation meeting with joint participation from shipyards and design companies, it provided an opportunity to showcase the diversity of Korea's shipbuilding industry to the Philippine market and to strengthen business cooperation with local companies.

At the 'MARINA Technical Conference,' Minjin Kwak, Deputy Manager of Eunsung Heavy Industries, introduced KOSIC's history, its member companies, and the current state of Korea's aluminium vessel market, highlighting Dongsung Shipbuilding, Eunsung Heavy Industries, Joong-Ang Heavy Industry, and Human Heavy Industries. Additionally, he announced the recent achievement of securing Korea's first-ever order for three newbuild CTVs and proposed exploring mutual cooperation through KOSIC for the construction of various eco-friendly aluminium-hull vessels in the Philippines.



1st Conference on Accelerating the Export Support System

As part of the "Small and Medium-Sized Ship Export Support Project" by the Ministry of Trade, Industry, and Energy, Korea Shipbuilding Industry Cooperative (KOSIC) held a conference on May 29 at the Busan Station Conference Room. The conference aimed to assist small and medium-sized shipyards, marine equipment companies, and ship engineering firms with selecting and constructing new ship types.

The conference included the following presentations:

- **Professor Hong-Geun Gil** of Hankyong National University delivered a lecture titled **"The Era of Eco-Friendly Electric Ships: How Should We Respond?"**
- **Jang-Won Yoon**, Deputy General Manager of the Maritime Finance Department at the Korea Trade Insurance Corporation, provided a presentation on **"Refund Guarantees (R/G) for Small and Medium-Sized Shipyards Entering Overseas Export Markets,"** addressing a key concern for shipyards.
- **Jin-Hyun Im**, CEO of NSEL and a partner of Marcopolo Singapore in the CTV charter business, shared insights on **"Offshore Wind Market & Client Needs for CTV,"** drawing on extensive experience in the offshore wind industry.
- **Jin-Ho Kim**, Senior Manager at Thingspire, discussed **"Carbon Accounting – Managing Greenhouse Gas Emissions and Expanding Business Opportunities for Small Shipyards,"** focusing on the increasing importance of achieving 'Carbon Zero' goals.



2nd Conference on Accelerating the Export Support System

Korea Shipbuilding Industry Cooperative (KOSIC) held the 2nd conference as part of the 'Small and Medium-Sized Ship Export Support Project' by the Ministry of Trade, Industry, and Energy. The conference took place on Nov. 26 at the Crown Harbor Hotel meeting room in Busan and aimed to introduce key activities of small and medium-sized shipyards related to eco-friendly fuel-propelled vessels and offshore wind power support vessels. The event also provided updates on this year's project execution.



During the conference, the following four companies, which actively participated in the project in 2024, introduced their key activities: ▲ In-Ho Lee, Manager of VINSEN Co., Ltd. ▲ Soo-Hwan Kim, CEO of Dongsung Shipbuilding Co., Ltd. ▲ Kyung-Wook Im, Manager of Eunsung Heavy Industries Co., Ltd. ▲ Byung-Seok Lee, CEO of Joong-Ang Heavy Industry Co., Ltd.

Additionally, discussions were held with participating companies regarding the Korean Register's (KR) "Evaluation Criteria for the Shipbuilding Capacity of Small and Medium-Sized Shipyards" for issuing Refund Guarantees (RG).

Commendations for KOSIC Members on 'Shipbuilding and Offshore Korea Day'

'Shipbuilding and Offshore Korea Day' was established to commemorate Korea's first achievement of surpassing 10 million tons in ship orders on Sept. 15, 1997. Since 2004, it has been observed annually to celebrate the development of the shipbuilding and offshore industries and to recognize the dedication and efforts of industry professionals.

Year	Award	Recipient	Position	Company
2024 (21st)	Industrial Medal of Honor	Kim Kyu Sun	CEO	T&G Heavy Industries Co., Ltd.
	Minister of Trade, Industry and Energy Citation	Ko Honam	CEO	KunJang Shipbuilding Co., Ltd.
2023 (20th)	Prime Minister's Citation	Han An Suk	CEO	Hanil Co., Ltd.
	Minister of Trade, Industry and Energy Citation	Seong-Bong Youn	CEO	Woori Oceantech Co., Ltd.
2022 (19th)	Minister of Trade, Industry and Energy Citation	Oh Hyung suk	CEO	Haemin Heavy Industries Co., Ltd.

2024 (21st) Industrial Medal of Honor **Kim Kyu Sun**, CEO of T&G Heavy Industries Co., Ltd.

Played a leading role in the small and medium-sized shipbuilding industry by constructing eco-friendly fishery guidance vessels powered by LNG and hybrid battery propulsion.

Delivered various public institution vessels on schedule without delays, pioneered overseas export markets and expanded order opportunities, contributed to the automation of shipbuilding systems and business diversification, and promoted the strengthening of safety management practices.

2023 (20th) Prime Minister's Citation **Han An Suk**, CEO of Hanil Co., Ltd.

Revitalized the small-sized shipbuilding industry through the construction and repair of steel-hulled vessels, FRP vessels, and aged ships. Contributed to local community development by building and delivering government vessels, cleaning vessels, and fishery guidance vessels.

Promoted the supply of modern hull designs, improving the poor living conditions of fishing vessel crew members, enhancing welfare and facilities, increasing the efficiency of fishing operations, boosting fishery production, and creating jobs.



Unlocking New Business Opportunities & Collaboration

KOSIC led 6 Shipyards Attend Malaysia Maritime Week 2023

Korea Shipbuilding Industry Cooperative (KOSIC) and its six member companies participated in Malaysia Maritime Week (MMW23) during June 20-22 held at Kuala Lumpur Convention Center. The six Korean companies are Kunjang Shipbuilding Co., Ltd., Dongil Shipyard Co., Ltd., VINSEN, Woori Oceantech Co., Ltd., Eunsung Heavy Industries Co., Ltd. and Far East Ship Design & Engineering Co., Ltd.

At the MMW23, hosted by the Malaysia Marine Department supported by the Ministry of Transport of Malaysia, the Korean companies staged on-the-spot publicity activities for high speed boat, fast intercept craft, hydrogen/ammonia/battery fuel cell-propelled ships and others.

KOSIC Chairman Sung Tae KIM, concurrently president of Dongil Shipyard Co., Ltd., said "We are making efforts to develop overseas market on the strength of our accumulated technologies and expertises, based on the spirit of cooperation, collaboration and coordination."



Along With Three Korean Shipbuilding Companies

Participation in LIMA 2023 in Malaysia on Defence Industry

Aimed at establishing a long-term cooperation and collaboration with Malaysia, Korea Shipbuilding Industry Cooperative (KOSIC) and its three member companies participated in Langkawi International Maritime Aerospace Exhibition '23 (LIMA '23) during May 23-27.

The three Korean companies and their interested areas in the Malaysian shipbuilding market were as follow:

- **Bando Marine** : High speed boat with carbon FRP
- **Woori Oceantech**: Aluminium patrol boat and fast intercepter craft and
- **KMCP**: Drone support vessel and other new-concept vessels

Moreover, the Korean business delegation staged sales and publicity activities at the booth of Radimax Defence Technologies as well as holding meeting with MMEA (Coast Guard) and Malaysian Navy and related government officials.



Introducing Korean Shipyards' Performance & Discussing Closer Ties

KOSIC & Three Korean Shipyards Visit INAMARINE 2023 in Indonesia

Korea Shipbuilding Industry Cooperative (KOSIC), along with three Korean shipyards — Asia Shipbuilding Co., Ltd., Samwon Heavy Industries Co., Ltd and World Shipbuilding visited INAMARINE, held in JIExpo, Jakarta, during the period of Aug. 23-25.

They visited related booths of Indonesia National Shipowners' Association, and others related with shipbuilding and marine industries.

Illustratively, the Korean delegation visited PT.ASDP Ferry Indonesia, PT.Pertamina Trans Kontinental (PTK), etc., introducing the Korean shipyards' business performance to their prospective Indonesian counterparts .



Focusing on Offshore Wind Ship

KOSIC Driving Diversification of Small Ship Types

In a drive to diversify ship types, responding to the era of eco-friendly shipbuilding world, Korea Shipbuilding Industry Cooperative (KOSIC) led five Korean small and medium-sized shipyards, visiting PKR Offshore in Taiwan, part of Singapore-based Marco Polo Marine Ltd. (MPM) where they experienced the boarding of CTV (Crew Transfer Vessel).

The five Korean shipyards are Dongsung Shipbuilding Co., Ltd., Yeosu Ocean Co., Ltd., Eunsung Heavy Industries Co., Ltd., Joong-Ang Heavy Industry Co., Ltd. and Far East Ship Design & Engineering Co., Ltd. The visit was preceded by KOSIC's choice of CTV as the first target of shiptype diversification, along with the rapid expansion of Korean offshore wind industry. As of December in 2022, the scale of Korean wind power generation in terms of acquiring government permission reached 20.8GW.

KOSIC Chairman Sung Tae KIM said, "We will continue to generate opportunities for our member companies in the global markets, supporting domestic shipyards to undergo paradigm change of their sustainable and dynamic growth."



Holding Series of Meaningful Meetings in Korea & Indonesia

Korean Small Shipyards' Progressive Move for Offshore Wind Market

A group of management officials from Singapore's PSA Marine, which directly operates CTV fleets in the UK and Taiwan and is expanding its outreach in the offshore wind market, visited small shipyards in Korea last July to discuss specifications and construction of the related vessels and others.

Meanwhile, top management of Yeosu Ocean Co. and Joong-Ang Heavy Industry visited a shipyard of Vallianz and Marco Polo, located in Batam, Indonesia, which is building OSVs for offshore wind and oil & gas in September and toured CSOVs currently under construction.



Vallians Holdings and Radimax Defence Technologies Sdn Bhd

Singapore & Malaysia Officials Visit Korea on Closer Ties

At the invitation of Korea Shipbuilding Industry Cooperative (KOSIC), officials from Vallians Holdings of Singapore and Radimax Defence Technologies Sdn Bhd of Malaysia visited Korea on Oct. 20-25, holding a series of cooperative meetings with KOSIC member companies as well as attending KORMARINE 2023 held in Busan.

During their stay in Korea, officials from the two companies visited Joong-Ang Heavy Industry, Yeosu Ocean Co, Eunsung Heavy Industries, EK Heavy Industries, Mirae Shipyard, Hyundai Mipo Dockyard (HMD), HD Hyundai Heavy Industries, Dongil Shipyard and VINSSEN. The visitors looked around on-going shipbuilding spot and shared their viewpoints with Korean counterparts on new technologies and others.



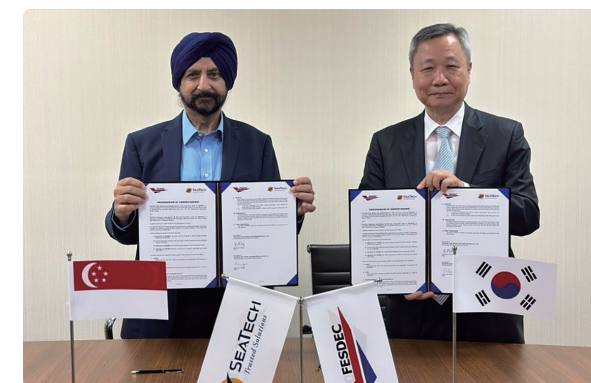
Along With Arrangement of KOSIC

FESDEC and Sea Tech Ink MOU on Cooperation on OSV & CTV

FESDEC (Far East Ship Design & Engineering Co., Ltd.) of Korea and Sea Tech of Singapore signed an Memorandum of Understanding (MOU) on Nov. 24 on the cooperation on Korean small shipyards' advance into new shipbuilding of OSV and CTV.

Founded in 1987, FESDEC has been recognized widely as a leading design house of basic and detailed design for shipyards and ship owners.

Since inception in 2000, Sea Tech has built a strong reputation for reliable, highly efficient and environmentally friendly vessel designs operating global.



Briefing Session for Small & Medium Shipyards' O'Seas Market Development

Ride on the Wave of New Blue Ocean.. Offshore Service Vessels (OSV), Etc.

Korea Shipbuilding Industry Cooperative (KOSIC), in a move to support small and medium-sized shipyards for developing overseas export markets, hosted a briefing session on Sept. 7 on the current status of the offshore wind industry and related opportunities for domestic small shipyards at Busan Station conference room.

Two specialists who presented paper in the briefing session were Kim BumSuk, associate professor of Jeju National University Graduate School Department of Wind Engineering under the theme of 'Small Shipbuilding Industry's Supply Chain Participation Strategy Through Analysis of Offshore Wind Industry / Technology Trends' and Cho Seung-Jin, President of Far East Ship Design & Engineering Co., Ltd. on the subject of 'Introduction to Oil & Gas Platform / Offshore Wind Applied Vessels.'

Moreover, Hahn Ki-won, KOSIC Executive Director, provided a brief explanation about the improved direction related with public ship (government ship) ordering system.



Cooperative Network Establishment

Organized by Korea Shipbuilding Industry Cooperative (KOSIC), three Korean small-ship sales missions visited three Southeast Asian countries, respectively, Indonesia, Malaysia and Singapore in 2022.

During the period of Oct. 30 - Nov. 1, four companies took part in the "Visit Indonesia" program with the assistance by KOSIC staff. The four are Far East Ship Design & Engineering Co., Ltd., Joong-Ang Heavy Industry Co., Ltd., YUIL CO., LTD, and Jangbogo Shipbuilding Co., Ltd. They visited the prospective buyers for business consultations on small B/C containership, small LNGC/LPGC/ethylene ship, patrol boat, coal barge and tug boat.



During the period of Nov. 2 - 4, staff members of KOSIC and those from four companies, held business consultations meeting in Malaysia. The four companies are Woonam Marine Craft Co., Ltd., KunJang Shipbuilding Co.,Ltd, Bando Marine Ltd., and Woori Oceantech Co., Ltd. Their business talk areas were OSV/CTV for oil & gas platform, tuna ship, high SPD boat, etc.

Singapore was the final destination of the visit-three-countries program with the participation of six companies. The two sides discussed the prospective business matters on OSV/CTV for wind farm and ship for port management. The six Korean companies are Dongil Shipyard Co., Ltd, Human Heavy Industries Co. Ltd., Sindo Co. Ltd., KMCP Co., Ltd., Samkwang Shipbuilding & Engineering Co.,Ltd, and Dongsung Shipbuilding Co., Ltd.

Seminar on Overseas Market Development

Korea Shipbuilding Industry Cooperative (KOSIC) hosted a seminar on small-sized ship export promotion on Oct. 18 in Busan, the heart of Korean marine industry, with the participation of the related industry professionals.

The event features four presentation papers — the development direction of small and medium-sized shipbuilding industry, introduction of EDCF and how to utilize it, successful cases of winning ship orders, and decarbonization policies to secure competitiveness of the shipbuilding industry.

The presentation session was followed by detailed discussion with the participation of experts in the shipbuilding areas. The topics of the session included the improvement of R/G issuance system for export market development, joint purchase, specialized shipbuilding areas by shipyard and others.



Participation in Marintec Exhibition in Indonesia

Korea Shipbuilding Industry Cooperative (KOSIC) led its five member companies to participate in Marintec Indonesia 2022, which took place on Sept. 14-17 at the Jakarta International Expo (JIEXPO) Kemayoran.

The five Korean companies are DONGIL SHIPYARD Co., LTD, Samkwang Shipbuilding & Engineering Co., Ltd. T&G Heavy Industries Co., Ltd., Dongsung Shipbuilding Co., Ltd., and KMCP Co., Ltd.



During the show, KOSIC presented pocket plans for 10 types of ships, which include coal barge, car-ferry, TUG, patrol boats and others.

Moreover, KOSIC hosted "KOREA RECEPTION," inviting Indonesian peoples engaged in shipbuilding and shipping in its move to establish future-oriented cooperation between the two countries.

National Assembly Forum on Improvement of Gov't Ship Bidding System

On Dec. 13, KOSIC held a National Assembly Forum on the improvement of the public ship bidding system of PPS(Public Procurement Service) for the advancement of the shipbuilding industry at the National Assembly Members' Hall.

Attracting a number of VIPs from the National Assembly, the Forum was participated by related circles including Public Procurement Service, Ministry of Oceans and Fisheries, Korea Coast Guard and organizations related with the shipbuilding industry such as Korea Offshore & Shipbuilding Association and Shipbuilding Cooperatives for Busan, Gyeonngsangnam-do, Ulsan and Jeollanam-do.



KOSIC Chairman Sung Tae KIM, in his opening speech, expressed thanks to the National Assembly and government authorities concerned for supporting KOSIC to host the forum and promised to do best for the advancement of the shipbuilding industry.

KMCP Autonomous Boat

Autonomous Test Boat



Specification

- Length: 25.3m
- Breadth: 5.4m
- Draft: 1.2m
- Owner: Ministry of Oceans and Fisheries, Korea



EL-KUS (Electric Autonomous Boat)



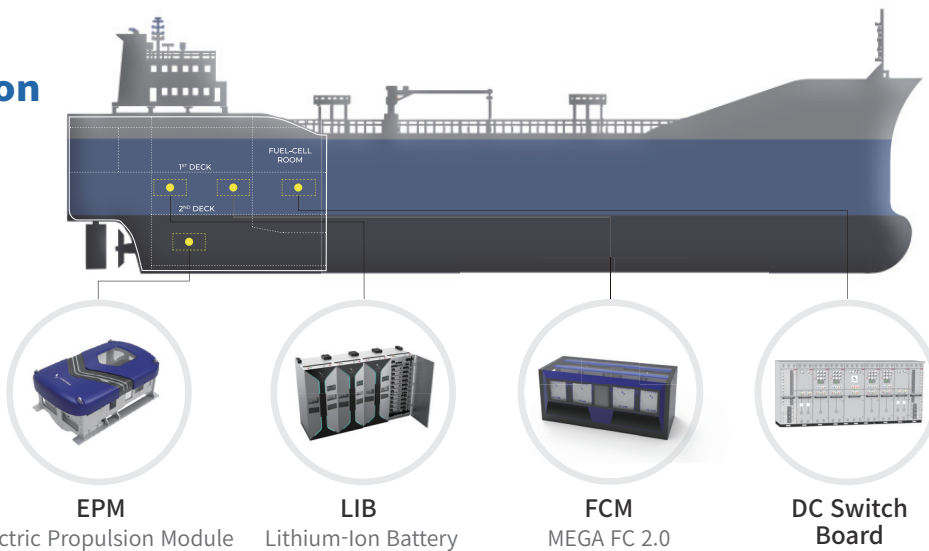
Specification

- Capacity: 8
- Length: 5.9m
- Breadth: 2.4m
- Draft: 0.45m
- Displacement: 2.5~3 ton
- Speed: 25 knot



VINSEN Hydrogen Fuel Cell Technology

Application



Specification	50K Product Carrier	115K Crude Oil Tanker
Total Required Electric Power	7MW	15MW
Capacity of MEGA FC 2.0	6MW (3 Sets)	14MW (7 Sets)
Capacity of Battery	abt1MW (10 Sets)	abt1MW (10 Sets)
Type of Propulsion	Electric Motor Driven	Electric Motor Driven

Fuel Cell Module



Specification	FC 100kW	FC 250kW
Target Application	Boat	Vessel
Installation Type	Horizontal	Vertical
H ₂ Inlet Pressure (barg)	12	12
Rated Power (Continuous, kW)	100	250
Ambient Temperature (°C)	0 ~ 45	0 ~ 45
Ambient Humidity (%)	0 ~ 95	0 ~ 95
Cooling Type	Water-Cooled	Water-Cooled
IP Rating	IP54	IP54
System Size (mm, W*D*H)	2,000*700*1,000	1,200*800*2,000

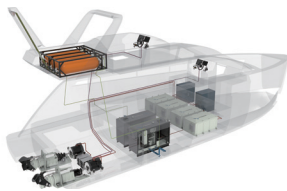
Lithium Ion Battery System

*For Large Fleets

Specification (126kW)	
Nominal Voltage	480 VDC
Max Capacity	126 kW
Charge Voltage	540 V
Discharge Voltage	396 V
IP Rating	IP44
Weight	1,100 kg
Size (mm, W*D*H)	600*800*1,700
Communication	CAN 2.0A

16M Leisure Boat

Hydrogen-Battery(Hybrid) Propulsion



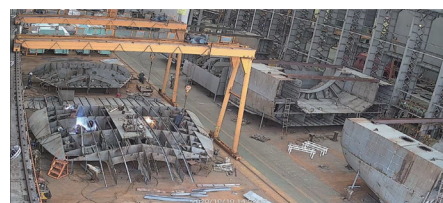
Electric Propulsion	
Type	Waterjet
Speed	15.0 knots
Fuel-Cell	100kW x 2
Battery	92kWh x 2
Propulsion Motor	175kW x 2
Hull Material	Aluminum

EK Heavy Industries 500m³ LNG Bunkering Vessel



Specification

LOA	48.5m
Breadth	12.4m
Draft	2.5m
Dead weight	771 tonnage
Bunking capacity	200m ³ /h
Tank capacity	500 cbm [m ³]
Speed	8.0 knots
Propulsion system	2 set (Azimuth Thruster)
Engine type	850 kW (D.F.)
Bunkering hose	2 set (4 inch)
ERS	2 set
iCTMS	1 set (Integrated heat flow measurement system)



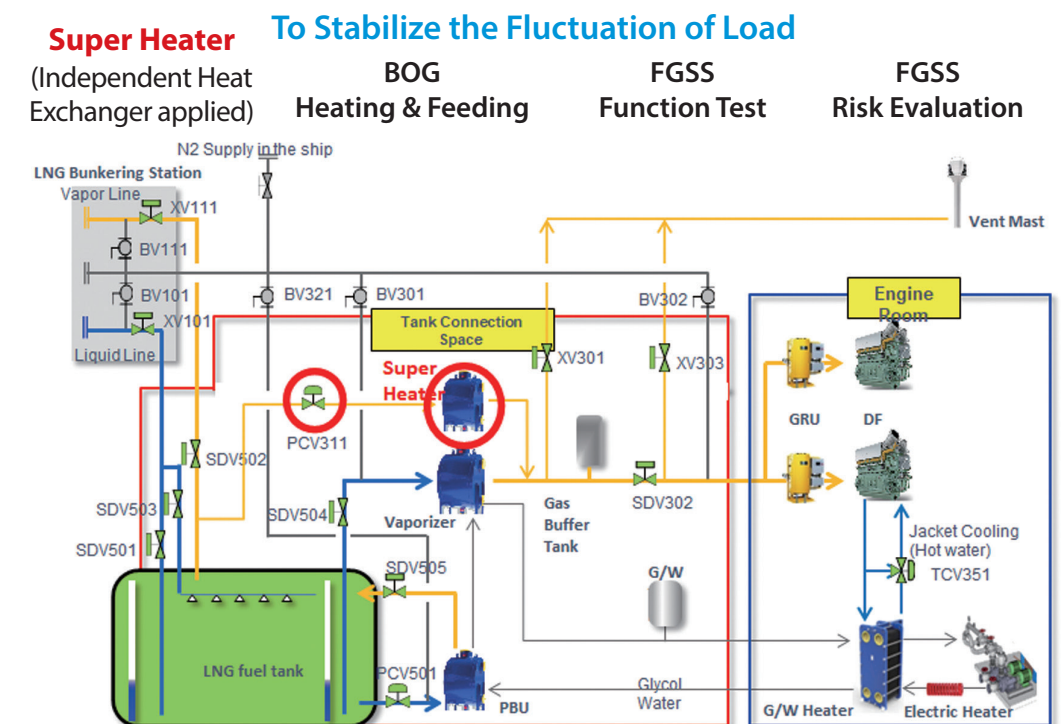
SamKwang LNG-Fueled Preventive Ship

LNG-FUELED PREVENTIVE SHIP

3D Modeling

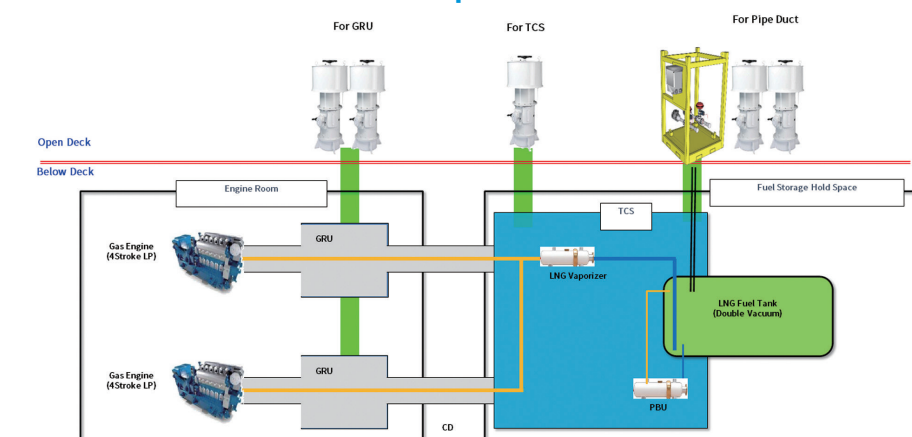


TO SECURE SAFETY FOR LNG SYSTEM

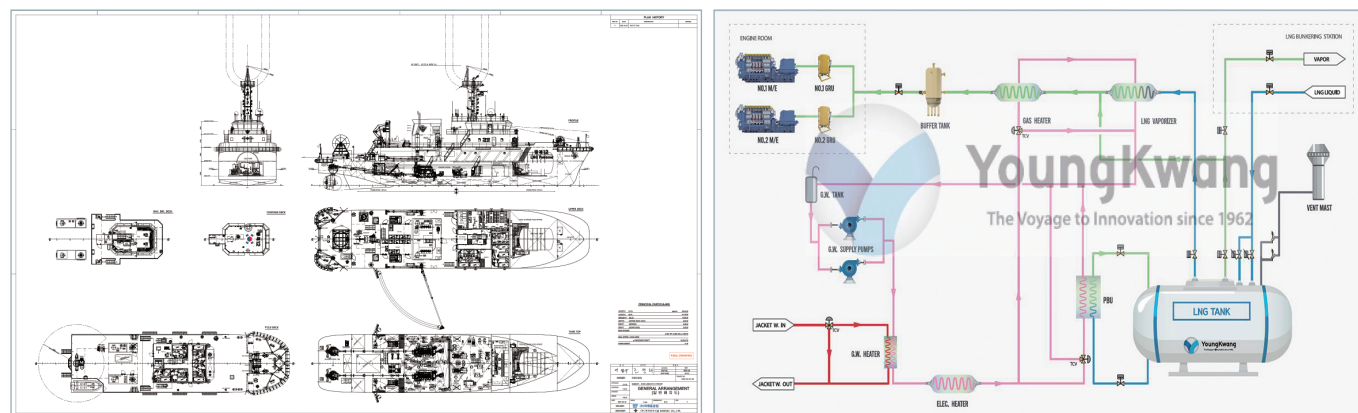


SPACE FOR LNG SYSTEM

- Pipe duct, TCS inside and GRU FAN integrated -
- Limited volume of each space in a small-sized Vessel -



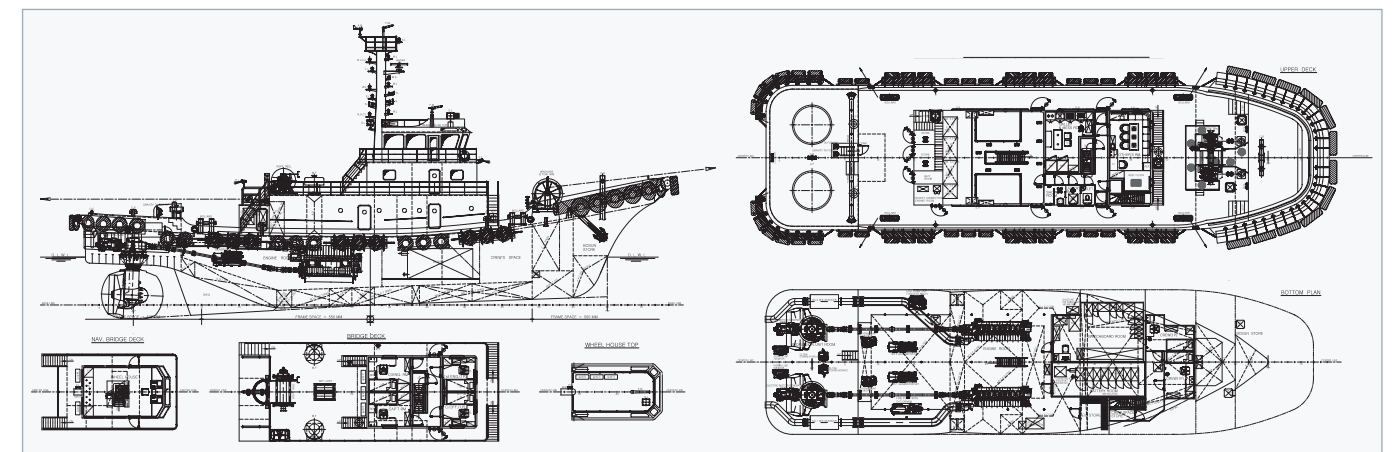
Mirae Shipyard LNG FGSS 5,000ps Oil Spill Responses



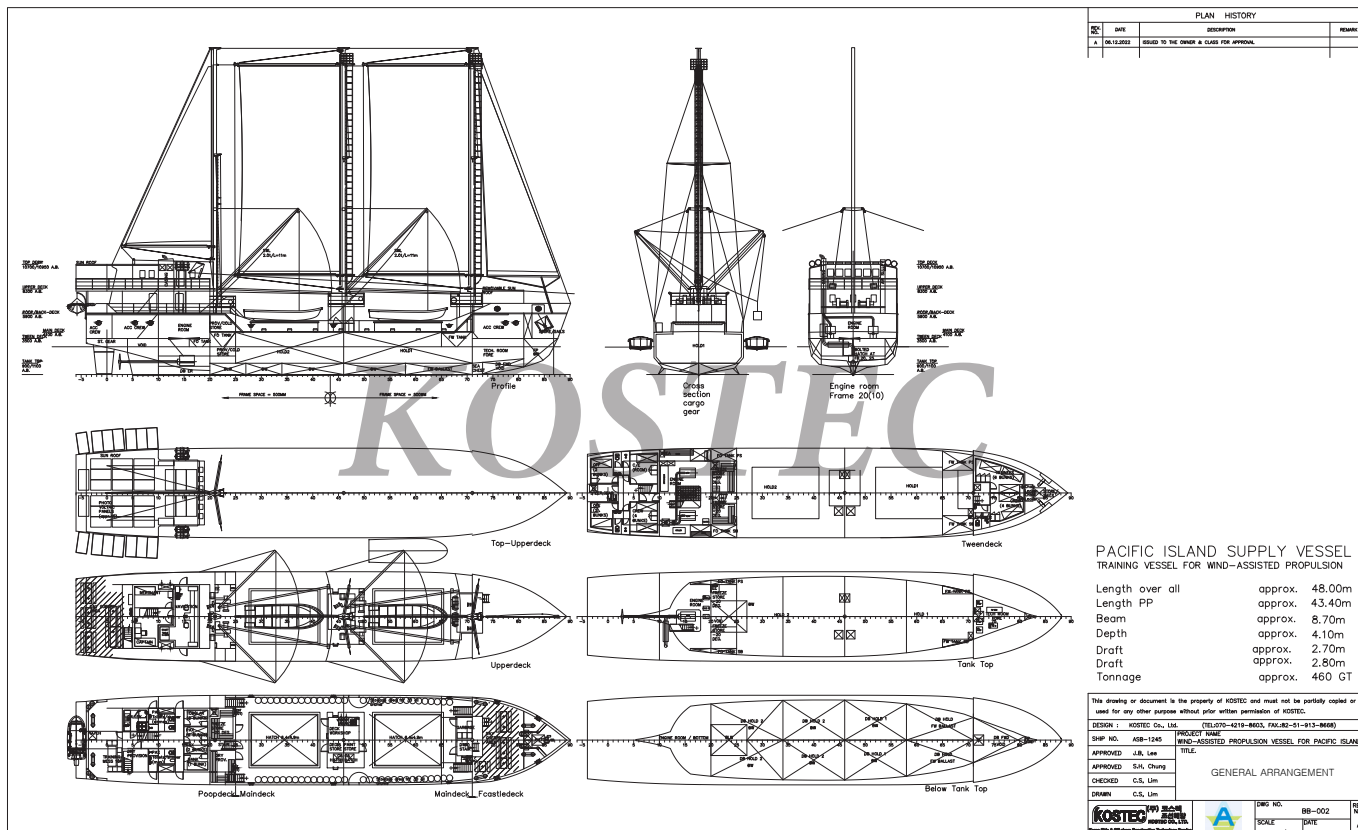
Dongsung 6,962 PS Hybrid Power Tug Boat



MAIN DIMENSIONS		MAIN ENGINE		GENERATING PLANT	
L.O.A	41.50 m	Type	YANMAR 8EY26W	Diesel Gen. Eng 168 kW x 1,800 RPM	
L.B.P	34.70 m	MCR	3,481 PS x 750 RPM		
Breath (Moulded)	11.00 m	NCR (80% MCR)	2,785 PS x 696 RPM		
Depth (Moulded)	4.95 m				
Draft (Design)	3.50 m				
GROSS TONNAGE		PROPULSION MOTOR (Electric)		DECK MACHINERY	
National	396	Maximum output 365 kW x 2 sets		Windlass 4.0 Ton x 12M/min 6/3TON x 40/80 130TON	
CAPACITIES		BATTERY		Rope reel 4.0 Ton x 40M/min Towing hook 100TON	
Fuel Oil Tank	83.0 m³	Capacity 646 kWh x 2 sets		COMPLEMENT 10P	
Fresh Water Tank	40.0 m³	SPEED		Crews 6P Others 4P	
Foam Tank	7.1 m³	Max. Speed (100% MCR,W/O S.M) Abt.14.0kts		FIRE EQUIPMENT 1 Sets	
Sump Tank	10.9 m³	THRUSTER 2 Sets		Fire Pump 240 m3 X 240M Engine for Fire Pump 253PS x 1,800RPM Fire Monitor 1,000 L /min, 2 sets	
L.O service Tank	2.8 m³	Model KONGSBERG US 255 P39 FP		BOLLARD PULL 85TON	
D.O service Tank	3.9 m³				



ASIA Shipbuilding Wind-Assisted Supply Vessel



JAHl Hybrid Training Vessel

Korea's 1st Lifesaving Training Center Due on Board a Ship

JAHl kicked off the construction of Korea's first lifesaving training center installed on board a ship on Nov.21 in 2023. Scheduled to be dedicated in 2025, the speciality ship with capacity of 110 persons simultaneously consists of lifesaving training center, ship control and engine room simulation equipment, marine drone training center for fish detection practice, etc.



PARTICULARS

IMO IMO Number / Flag :
- 1022067 / Korea

Tonnage :
- Gross Tonnage : 3,090
- Deadweight Tonnage : 1,310

Dimensions :
- LOA : 89.50 m
- LBP : 78.00 m
- Beam : 15.00 m
- Depth : 8.20 m
- Draft : 5.45 m

Machinery / Propulsion :
- Wabtec(GE) 12V250MDC, 3150kW w/Gear
- Compliance to MARPOL ANEX VI Tier III
- Controllable Pitch Propeller
- Propulsion Motor : 500 kW
- ESS : 613 kW
- Drive : 750 VDC
- G/E : 3 Gensets of 560 kW
- Bow Thruster : 300 kW, FPP

Design Speed / Cruising Range :
- 14.6 knots / 6,000nm

Complement
- Crew : 20
- Teacher : 10
- Trainee : 80
- Total : 110 persons

Fishing Equipments :
- Trawl Winch :
2 of 21.5/6.5 ton x 32/105m/min
- Net Drum Winch
1 of 20.7/3.8 ton x 34/185m/min
- Gilson Winch
2 of 3.0 ton x 25m/min

Capacity :
- Water Ballast : 650 m3
- Fuel Oil : 375 m3
- Fresh Water : 330 m3

Other :
- Owner : Korea Institute of Maritime and Fisheries Technology
- Steel Cutting : 2023. 11. 20
- Expected Delivery : 2025. 11. 20

Woori Oceantech High Speed Boat

Phantom



Length Overall	20.0 M
Beam Overall	4.0 M
Depth	2.5 M
Onboard	12 Persons
Maximum Speed	60 Knot
Cruise Distance	300 NM
Playload	Approx. 2 Ton
Material	Carbon Fiber (CFRP)

10m Boat



Length x Beam	10.7 M x approx. 2.3 M
Maximum Speed	40 Knot + as full load
Onboard	8 Persons
Cruise Distance	250 NM
Engine	2 x 175 HP (Diesel Outboard)
Hull	CFRP Sandwich or GFRP

14m UDT Boat



Length	14 M
Hull	Carbon Fiber (CFRP)
Light Load	Under 7 Ton
Full Load	Approx. 9 Ton
Maximum Speed	50 Knot+
Crusising Distance	430 NM
Propulsion	Diesel 850 HP x 2, Water jet
Onbord	14 Persons (2 Crew, 12 Passengers)



Woonam Marine Craft High Performance Craft

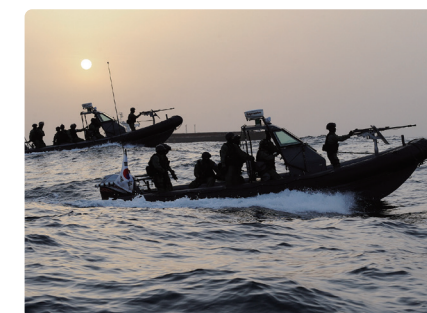


POSEIDON S-RIB



Length Overall	14.3 m (± 5%)
Max. Beam	4.0 m (± 5%)
Max. Speed	40 knots
Displacement	11.0 tons
Range	400 N.M

POSEIDON RHIB 8.5



Length Overall	8.5 m (± 5%)
Max. Beam	3.0 m (± 5%)
Max. Speed	47 knots
Displacement	Below 4.0 tons
Range	150 N.M

POSEIDON RB 14.3



Length Overall	14.3 m (± 5%)
Max. Beam	4.6 m (± 5%)
Max. Speed	37 knots
Displacement	Below 17.5 tons
Range	200 N.M

Bando Marine High Speed Boat



High Speed Boats of Korea Navy



Model	BM-540
Boat Type	RHIB
Length (m)	5.4
Breadth (m)	2.3
Weight (ton)	1
Fuel Capacity (L)	600
Safety	-
Arms	-
Crew	10
Engine Model	115 HP
Engine Maker	Mercury Marine
Engine HP	Gasoline 115 HP x 1 set
Propulsion Type	Outboard
Max Speed (Knot)	37
Hull Material	FRP

High Speed Boats of Korea Marine Corps



Model	BM-850
Length (m)	8.5
Breadth (m)	3.3
Weight (ton)	2.5
Fuel Capacity (L)	600
Safety	Self Righting Bag
Arms	K-6 x 1, K-3 x 2
Crew	15
Engine Model	VERADO 250
Engine Maker	Mercury Marine
Engine HP	250 HP x 2 set
Propulsion Model	Screw
Propulsion Maker	OBM
Propulsion Type	Outboard
Max Speed (Knot)	47
Hull Material	FRP

Eunsung Heavy Industries RHIB



RHIB 700



Hull Material	Composite / Aluminum	Fuel Tank	300 Liters
Overall Length	7.0M	Max. Speed	40 Knots
Breadth	2.7M	On Board	8 Persons
Engine Power	150 HP	Propellant	O/B Twin

RHIB 850



Hull Material	Composite / Aluminum	Fuel Tank	300 Liters
Overall Length	8.5M	Max. Speed	45 Knots
Breadth	3.2M	On Board	15 Persons
Engine Power	250 HP	Propellant	O/B Twin

RHIB 1000



Hull Material	Composite / Aluminum	Fuel Tank	600 Liters
Overall Length	10.0M	Max. Speed	40 Knots
Breadth	3.0M	On Board	15 Persons
Engine Power	300 HP	Propellant	O/B Twin

Hanil News High Speed Boat



RIB 8.0M



Model	HN-800
Dimensions (LxBxD)	8.0m x 3.0m x 1.2m
Capacity	10P
Manufacturing Period	6 month
Recommended Engine	OUTBOARD 250HP x 2
Lightship Weight	Abt. 3.0 ton
Hull Material	F.R.P.
Fuel Capacity	400L
Seaworthy	1~2m wave height
Max. Speed	40knots or higher

RIB 10M



Model	HN-1000
Dimensions (LxBxD)	10.5m x 3.2m x 1.2m
Capacity	10P
Manufacturing Period	4 month
Recommended Engine	OUTBOARD 250~350HP x 2
Lightship Weight	Abt. 4.3 ton
Hull Material	F.R.P.
Fuel Capacity	300~600L
Seaworthy	1~2m wave height
Max. Speed	40knots or higher

14M Rescue Boat



Model	HN-1400
Dimensions (LxBxD)	14.0m x 4.4m x 1.55m
Capacity	12P
Manufacturing Period	8 month
Recommended Engine	OUTBOARD 300~350HP X 3
Lightship Weight	Abt. 12.0 ton
Hull Material	F.R.P.
Fuel Capacity	1600L
Seaworthy	1~2m wave eheight
Max. Speed	35knots or higher

HLB ENG High-Speed Patrol Boat



High-Speed Patrol Boat 8.5m



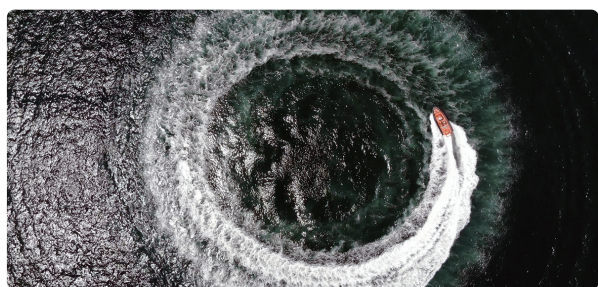
Length (M)	8.5
Breadth (M)	3.0
Depth (M)	1.2
Boarding Capacity (Persons)	12
Engine	Mercury 250HP X 2Sets
Speed (Knots)	45
Material	F.R.P

High-Speed Patrol Boat 10.0m



Length (M)	10.5
Breadth (M)	3.3
Depth (M)	1.3
Boarding Capacity (Persons)	9
Engine	Mercury 300HP X 2Sets
Speed (Knots)	43
Material	F.R.P

High-Speed Patrol Boat 6.5m

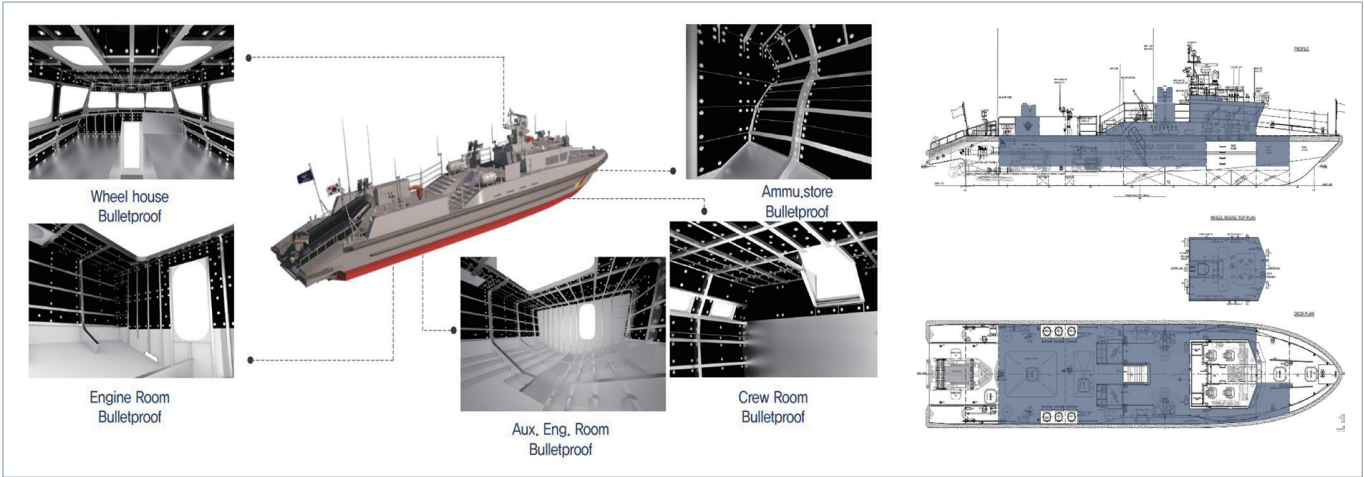


Length (M)	6.9
Breadth (M)	2.1
Depth (M)	1.0
Boarding Capacity (Persons)	9
Engine	Mercury 200HP X 2Sets
Speed (Knots)	43
Material	F.R.P

Human Heavy Industries High Speed Patrol Boat



Length (O.A)	31.8M	Max. Speed	40knot
Breadth (MLD.)	6.1M	Complement	15p
Depth (MLD.)	3.2M	Hull	Aluminium
Draft (Full Load)	1.4M	Main Engine	MTU 16V / 4000M90



Kunjang Shipbuilding Ribcraft



Length Overall	14.0 M
Beam Overall	4.0 M
Construction	GRP+Balsa+Hypalon
Fuel Capacity	1700 L
Top Speed	40 Knot
Cruise Speed	32 Knot
Dry Weight	8.0 Ton
Propulsion	Diesel 435 HP x 2



Length Overall	10.0 M
Beam Overall	3.05 M
Construction	FRP + Filling Fender
Fuel Capacity	500 L
Top Speed	40 Knot
Cruise Speed	30 Knot
Dry Weight	4 Ton
Propulsion	Diesel 300HP X 2



Length Overall	7.7 M
Beam Overall	2.9 M
Construction	FRP + Filling Fender
Fuel Capacity	250 L
Top Speed	40 Knot
Cruise Speed	30 Knot
Dry Weight	2.5 Ton
Propulsion	Gasoline 200HP X 2

1

Eco-Friendly Ship



- Gross Tonnage 396 Tons
- L x B x D (m) 41.50 x 11.00 x 4.95
- Shipowner META
- Hull Steel
- 6,962ps Battery Hybrid Tug Boat



- Gross Tonnage 781 Tons
- L x B x D (m) 56.40 x 12.00 x 3.20
- Shipowner Korea Coast Guard (KCG)
- Hull Steel
- Eco (LNG FGSS) 5,000ps Tug & Oil Spill Responses Vessel



- Gross Tonnage 3,090 Tons
- L x B x D (m) 89.50 x 15.00 x 8.20
- Shipowner Korea Institute of Maritime and Fisheries Technology
- Hull Steel
- Fishery Training Ship (Hybrid)



- Gross Tonnage 771 Tons
- L x B x D (m) 48.50 x 12.40 x 2.50
- Shipowner KRISO (Korea Research Institute of Ships & Ocean Engineering)
- Hull Steel
- 500m³ LNG Bunkering

1

Eco-Friendly Ship



- Gross Tonnage 420 Tons
- L x B x D (m) 60.00 x 13.00 x 3.15
- Shipowner Korea Research Institute of Ships & Ocean Engineering
- Hull Steel
- Fully Electrified Car Ferry



- Gross Tonnage 280 Tons
- L x B x D (m) 34.90 x 10.60 x 4.30
- Shipowner Incheon Regional Office of Oceans and Fisheries
- Hull Steel
- LNG-fueled Port Guide Ship



- Gross Tonnage 170 Tons
- L x B x D (m) 39.00 x 9.00 x 2.9
- Shipowner Gyeongsangbuk-do
- Hull Steel
- Hybrid Environment Purifier-Carrying Ship (Multi-Function Collecting Ship)



- Gross Tonnage 280 Tons
- L x B x D (m) 34.90 x 10.60 x 4.30
- Shipowner Chungcheongnam-do
- Hull Steel
- Hybrid Environment Purifier-Carrying Ship (Diesel + Battery)



- Gross Tonnage 280 Tons
- L x B x D (m) 38.00 x 8.00 x 4.60
- Shipowner Incheon Port Authority
- Hull Steel
- LNG-fueled Port Guide Ship



- Gross Tonnage 273 Tons
- L x B x D (m) 34.90 x 10.60 x 4.30
- Shipowner Ulsan Regional Office of Oceans and Fisheries
- Hull Steel
- LNG-fueled Port Cleaning Ship



- Gross Tonnage 4 Tons
- L x B x D (m) 14.00 x 2.80
- Shipowner Korea Marine Equipment Research Institute
- Hull F.R.P
- Fully Electrified Training Ship (200kw)



- Gross Tonnage 499 Tons
- L x B x D (m) 48.00 x 8.70 x 4.10
- Shipowner Marshall Islands Government
- Hull Steel
- Wind-Assisted Propulsion Ship

2

Naval Ship



- Gross Tonnage 11 Tons
- L x B x D (m) 14.30 x 4.00 x 1.00
- Shipowner Naval Logistics Command
- Hull FRP / 40 Knots



- Gross Tonnage 24.5 Tons
- L x B x D (m) 21.00 x 4.00 x 0.90
- Shipowner Wooriocean
- Hull CFRP / 60 Knots



- Gross Tonnage 4.5 Tons
- L x B x D (m) 9.00 x 2.40 x 0.60
- Shipowner Malaysian Armed Forces
- Hull Aluminium / 50 Knots



- Gross Tonnage 8 Tons
- L x B x D (m) 14.00 x 4.00 x 0.60
- Shipowner Korea Navy
- Hull GRP + PVC, etc. / 40 Knots

3

Tug Boat



- Gross Tonnage 297 Tons
- L x B x D (m) 38.0 x 10.2 x 4.5
- Shipowner Kwangjin Shipping Co., Ltd.
- Hull Steel



- Gross Tonnage 214 Tons
- L x B x D (m) 35.80 x 9.40 x 4.20
- Shipowner Dongshin Haewoon
- Hull Steel



- Gross Tonnage 846 Tons
- L x B x D (m) 60.87 x 12.10 x 3.20
- Shipowner Korea Ocean Leisure
- Hull Steel



- Gross Tonnage 1,756 Tons
- L x B x D (m) 59.50 x 13.00 x 3.30
- Shipowner SONG LIM INDUSTRY Co., Ltd.
- Hull Steel



- Gross Tonnage 310 Tons
- L x B x D (m) 48.08 x 7.50 x 4.00
- Shipowner Indonesian National Police
- Hull Steel



- Gross Tonnage 700 Tons
- L x B x D (m) 49.80 x 11.90 x 3.20
- Shipowner Wolmido Marine Tour Co., Ltd.
- Hull Steel



- Gross Tonnage 150 Tons
- L x B x D (m) 64.30 x 12.00 x 3.00
- Shipowner Yockji Shipping
- Hull Steel



- Gross Tonnage 100 Tons
- L x B x D (m) 31.80 x 6.10 (40 Knots)
- Shipowner Korea Coast Guard (KCG)
- Hull Aluminium

4

Ships for Passenger & Cars

5

Patrol / Inspection Ship

5

Patrol /
Inspection
Ship



- Gross Tonnage 54 Tons
- L x B x D (m) 24.70 x 5.2 x 2.6
- Shipowner Korea Coast Guard (KCG)
- Hull Aluminium



- Gross Tonnage 789 Tons
- L x B x D (m) 64.00 x 10.80 x 4.50
- Shipowner East Sea Fisheries Management Service, MOF
- Hull Steel



- Gross Tonnage 1,458 Tons
- L x B x D (m) 63.78 x 13.50 x 7.40
- Shipowner National Institute of Fisheries Service
- Hull Steel



- Gross Tonnage 398 Tons
- L x B x D (m) 40.59 x 9.00 x 4.60
- Shipowner Korea Marine Environment Management Corporation
- Hull Steel



- Gross Tonnage 970 Tons
- L x B x D (m) 66.37 x 11.00 x 7.10
- Shipowner East Sea Fisheries Management Service, MOF
- Hull Steel



- Gross Tonnage 30 Tons
- L x B x D (m) 22.08 x 4.90 x 2.15
- Shipowner Korea Customs Service
- Hull FRP



- Gross Tonnage 180 Tons
- L x B x D (m) 39.00 x 7.20 x 3.30
- Shipowner Agency for Defence Development
- Hull Steel



- Gross Tonnage 59 Tons
- L x B x D (m) 24.80 x 5.80 x 2.90
- Shipowner Oceans & Fisheries Research Institute of Jeju Self-Governing Province
- Hull FRP

6

Research
Ship



- Gross Tonnage 1,520 Tons
- L x B x D (m) 70.60 x 10.50 x 8.00
- Shipowner Korea Institute of Maritime and Fisheries Technology
- Hull Steel



- Gross Tonnage 190 Tons
- L x B x D (m) 44.66 x 7.20 x 3.60
- Shipowner National Institute of Fisheries Science
- Hull Steel



- Gross Tonnage 117 Tons
- L x B x D (m) 28.30 x 8.50 x 2.70
- Shipowner Daewoo Shipbuilding & Marine Engineering Co., Ltd. (DSME)
- Hull Steel



- Gross Tonnage 22 Tons
- L x B x D (m) 17.59 x 4.90 x 2.10
- Shipowner Soowol Molryu Co., Ltd.
- Hull Steel

6

Research
Ship

7

Work Boat

8
*Fishing /
Angling
Boat*



- Gross Tonnage **39 Tons**
- L x B x D (m) **28.45 x 5.90 x 2.30**
- Shipowner **Individual**
- Hull **Steel**



- Gross Tonnage **5.1 Tons**
- L x B x D (m) **7.00 x 3.00 x 0.80**
- Shipowner **SILLA CO., LTD.**
- Hull **Aluminium**



- Gross Tonnage **1,342 Tons**
- L x B x D (m) **59.20 x 22.00 x 4.20**
- Shipowner **Senegal ANAM**
- Hull **Steel**



- Gross Tonnage **1,000 Tons**
- L x B x D (m) **40.00 x 16.00 x 4.40**
- Shipowner **Korea Coast Guard (KCG)**
- Hull **Steel**

11
Barges

9
Tanker



- Gross Tonnage **3,500 Tons**
- L x B x D (m) **87.30 x 14.00 x 7.30**
- Shipowner **Jinyang Oil Co., Ltd.**
- Hull **Steel**



- Gross Tonnage **4,600 Tons**
- L x B x D (m) **102.80 x 18.20 x 8.50**
- Shipowner **WOOLIM SHIPPING CO., LTD.**
- Hull **Steel**



- Ship Type **Hospital Ship**
- Gross Tonnage **331 Tons**
- L x B x D (m) **49.90 x 9.00 x 3.60**
- Shipowner **Chungcheongnam-do**
- Hull **Steel**



- Ship Type **Oil Spill Response Vessel**
- Gross Tonnage **501 Tons**
- L x B x D (m) **44.00 x 10.70 x 4.50**
- Shipowner **Korea Coast Guard (KCG)**
- Hull **Steel**

12
*Other
Ships*

10
Bulker



- Gross Tonnage **10,800 Tons**
- L x B x D (m) **119.69 x 21.50 x 14.60**
- Shipowner **Shinsung Shipping Co., Ltd.**
- Hull **Steel**



- Gross Tonnage **2,944 Tons**
- L x B x D (m) **80.00 x 17.60 x 6.75**
- Shipowner **KWANGYANG MARINE CO.,LTD.**
- Hull **Steel**



- Ship Type **Fire Boat**
- Gross Tonnage **60 Tons**
- L x B x D (m) **30.73 x 5.40 x 2.50**
- Shipowner **Jeonbuk Fire Safety Headquarter**
- Hull **Steel**



- Ship Type **15m³ Grab Dredger**
- Gross Tonnage **1,902 Tons**
- L x B x D (m) **59.3 x 22.0 x 4.2**
- Shipowner **ANAM (Senegal)**
- Hull **Steel**



& SMALL-SIZED SHIPBUILDERS

BUYERS GUIDE

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#1 Shipbuilding

GENERAL CATALOGUE



산업통상자원부

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