

Specialized in Bulletproof solution and  
Accommodation interior

# YGM Co., Ltd.

Venture company **ISO 9001 / ISO 14001**

Bulletproof material | Accommodation Interior | Ship MRO | Inventory

**YGM** | 주 | 와이지엠  
YGM Co., Ltd.

[www.ygmarine.co.kr](http://www.ygmarine.co.kr)





## COMPANY INTRODUCTION

# Overview



As always, Constantly, Responsibly

### President

Yeong-gwan, Lee

### Established

Feb. 22nd, 2018

### Patent & Certificate

ISO 9001, ISO 14001,  
**24 Patents** (including joint application)

### Business

Bulletproof, Accommodation,  
MRO, Inventory

### Location

186-26, Goldenroot-ro, Juchon-myeon, Gimhae-si,  
Gyeongsangnam-do, Republic of Korea



## Organization



President

### Sales

- Domestic
- International
- Business planning

### Management

- Account
- Personnel
- Standard certification

### Tech. research, Design

- Design/Approval drawing
- Research
- Project management

### Production

- Production management
- Field operation

### Quality

- Quality control
- Delivery management



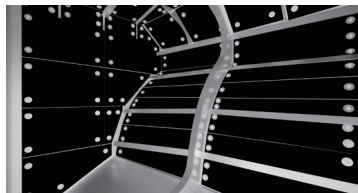
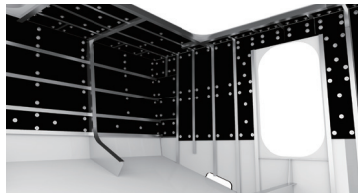
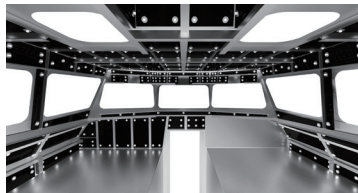


## COMPANY INTRODUCTION

# Main Business



### Bulletproof panel



- Bulletproof panel for special ship (Navy, Coast guard)
- Bulletproof material for USV (Unmanned Surface Vehicle)



### Bulletproof Drone Station



- Army post / Guard post / Observation post



### Accommodation interior



- Cabin furniture
- Accommodation turn-key project



### Ship MRO



- Remodeling for retired ship



### Inventory



- Inventory (for Navy, Coast guard), other outfitting



## COMPANY INTRODUCTION

# Patent & Certificate



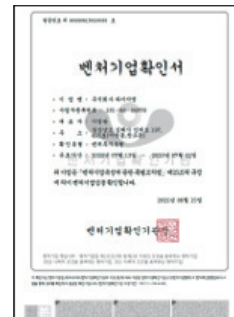
ISO 9001



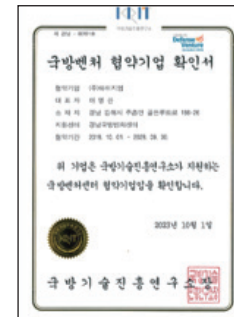
ISO 14001



Company affiliated  
research institute  
certificate



Confirmation of  
venture business



Confirmation of  
government defense  
venture company



Utility Model  
[Vessel bulletproof unit]



Patent  
[Vessel bulletproof unit]



Patent  
[Curved bulletproof board]



Patent  
[Curved bulletproof shield]



Patent  
[Bulletproof guard post]



Design Patent  
[Drone bulletproof booth]



Design Patent  
[Drone bulletproof booth]



## COMPANY INTRODUCTION

# History

## 2018

- ✓ **Established YGM Co., Ltd.**
- ✓ Contract : Accommodation turn-key project
  - Special patrol ship of K.C.G.(Korea coast guard) [2 ships]
- ✓ Contract : Supply
  - Bulletproof panel for special patrol ship of K.C.G. [2 ships]
- ✓ ISO 9001 Certificate
- ✓ Contract : Ship MRO project
  - PCC for Philippine navy

## 2019

- ✓ Patent registration : Bulletproof panel for ship
- ✓ Established Research institute
- ✓ Contract : Accommodation turn-key project
  - Fishery inspection ship of Korea government

## 2020

- ✓ **Investment attraction : Korean venture investment Corp.**
- ✓ Selected Gimhae technology transfer R&BD project

## 2021

- ✓ Contract : Accommodation turn-key project
  - Busan port information ship for B.P.A.
  - LNG hybrid patrol ship for Busan port
  - Fishery inspection ship for Korea government

## 2022

- ✓ Contract : Accommodation turn-key project
  - Water cleaning ship for Korea government
  - LNG oil spill response ship for K.C.G. [3 ships]
  - Research ship for National institute of fisheries science
  - Hospital ship for Korea government
- ✓ Contract : Ship MRO project
  - PKM ship of Nigerian navy
- ✓ Contract : Supply
  - Inventory for 200ton patrol ship of K.C.G. [7 ships]
- ✓ **Expansion of manufacturing facilities**

## 2023

- ✓ Contract : Accommodation turn-key project
  - 499ton oil tanker
  - Target ship for Korea ADD
- ✓ Contract : Supply
  - Inventory for 3000t patrol ship of K.C.G. [3 ships]
  - Fire fighting & Life saving equipment for 500ton patrol ship of Peru navy
  - Bulletproof panel for 200ton patrol ship of K.C.G.
- ✓ **Investment attraction : BlissVine Ventures**

## 2024

- ✓ Contract : Ship MRO project
  - PKM ship of Uruguayan navy
- ✓ Contract : Accommodation turn-key project
  - Busan port information ship of B.P.A.
  - Han river bus of Seoul city
- ✓ Contract : Supply
  - Bulletproof panel for PKMR ship of Korean navy





BULLETPROOF BUSINESS

We seek the  
**SAFETY**  
for our customers



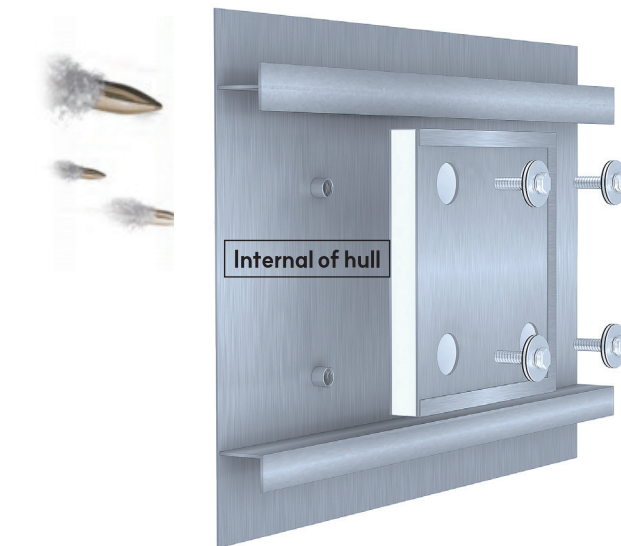





## Bolt fastening type (AL cover)

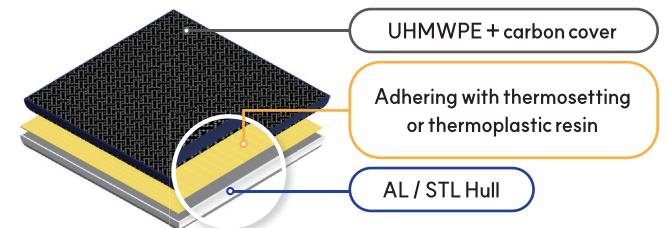
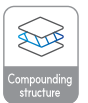
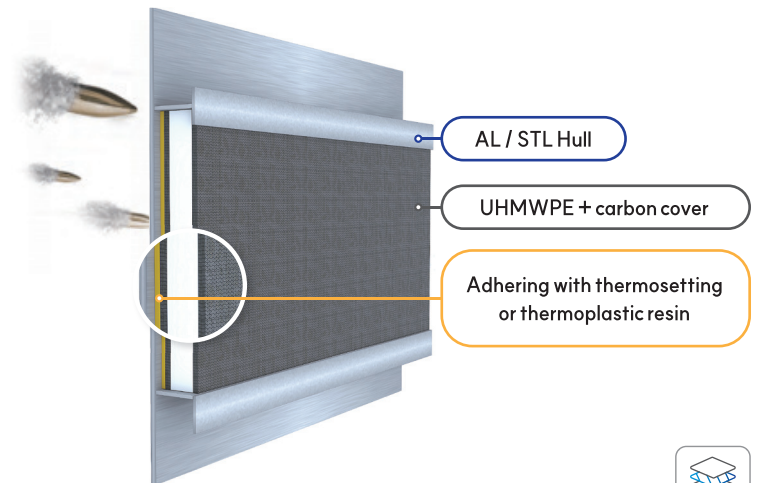
## Adhesion type (Carbon cover)



- 1 Patent [Vessel bulletproof unit]
- 2 Patent [Curved bulletproof board]
- 3 Utility Model [Vessel bulletproof unit]



-  Lightweight design and manufacturing technology for bulletproof panel
-  Satisfying bulletproof performance standards for NIJ, ROKN
-  Improve performance by constant research and development
-  Technology level T-3 (Nice D&B)



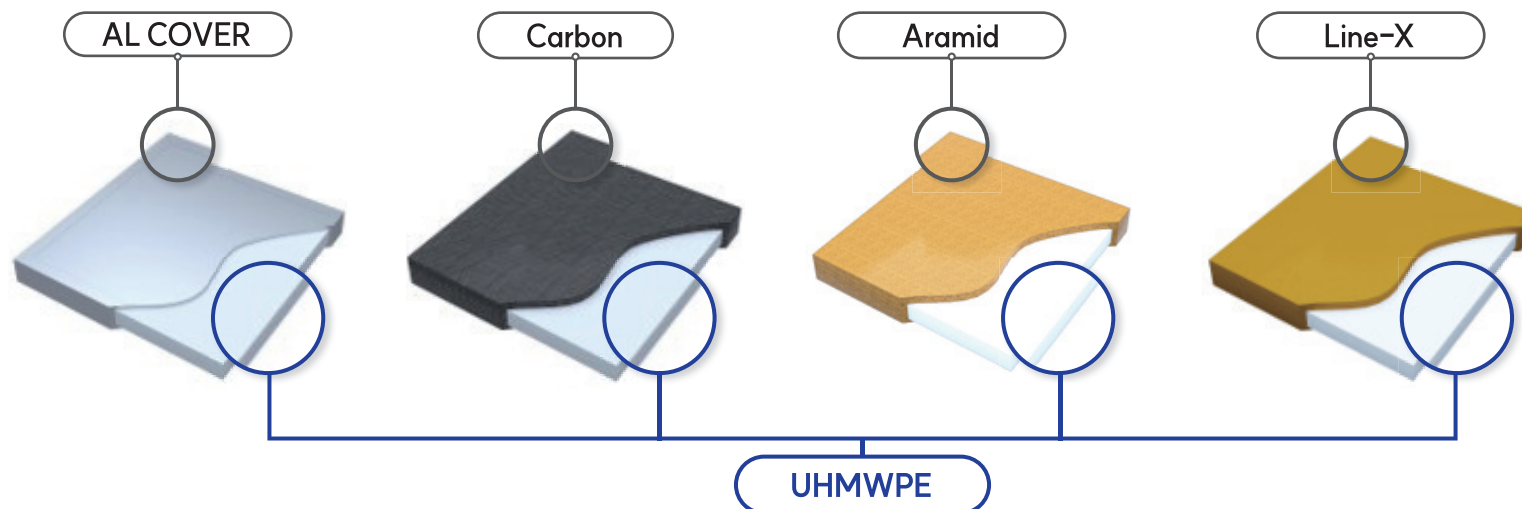


# Bulletproof Panel



## Bulletproof Panel

※ Density will be determined  
by protection conditions, hull  
material and thickness



YGM-KN5-A	
Thickness	12~22 mm
Density	12~20 Kg/m <sup>2</sup>
Protection standards	NIJ, ROKN, STANAG
Applicable ship	Naval ship, Patrol ship

YGM-N3-C	
Thickness	10~21 mm
Density	11~20 Kg/m <sup>2</sup>
Protection standards	NIJ, ROKN, STANAG
Applicable ship	USV, Patrol ship

YGM-N3-AR	
Thickness	11~22 mm
Density	11~21 Kg/m <sup>2</sup>
Protection standards	NIJ, ROKN, STANAG
Applicable ship	USV, Naval ship, Patrol ship

YGM-N3-L	
Thickness	15~26 mm
Density	16~25 Kg/m <sup>2</sup>
Protection standards	NIJ, ROKN, STANAG
Applicable ship	Naval ship, Patrol ship



BULLETPROOF BUSINESS



# Bulletproof Panel

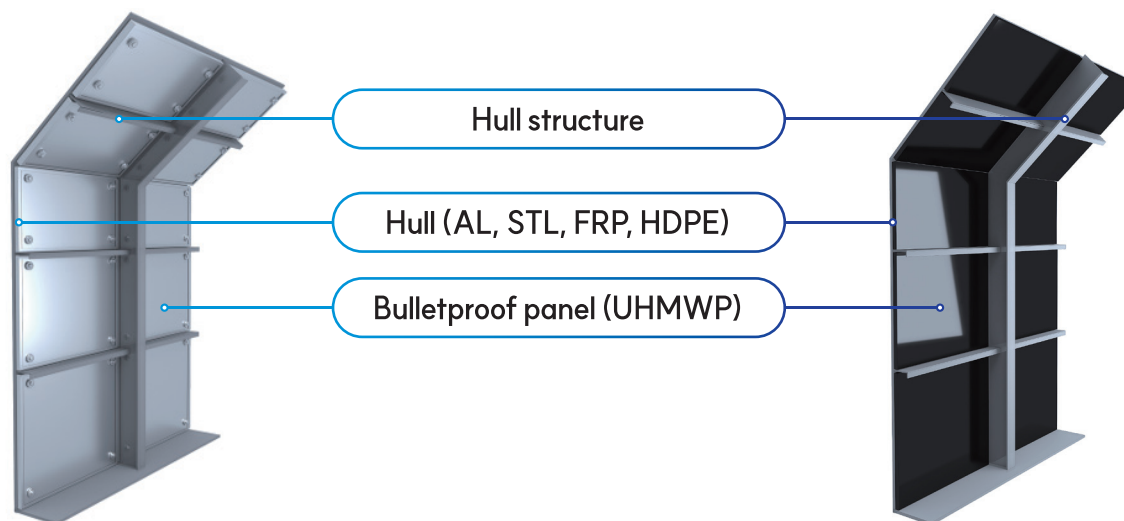


## Bulletproof Panel

※ Density will be determined  
by protection conditions, hull  
material and thickness

### Bolt fastening type (AL cover)

### Adhesion type (Carbon cover)



	Hull material (AL, 4mm )	Hull Material (STL, 5mm)
Thickness	15~22 mm	12~16 mm
Density	15~20 Kg/m <sup>2</sup>	12~20 Kg/m <sup>2</sup>
Protection standards	NIJ, ROKN, STANAG	NIJ, ROKN, STANAG

	Hull material (AL, 4mm )	Hull Material (STL, 5mm)
Thickness (mm)	12~20 mm	12~16 mm
Density (Kg/m <sup>2</sup> )	14~20 Kg/m <sup>2</sup>	12~18.5 Kg/m <sup>2</sup>
Protection standards	NIJ, ROKN, STANAG	NIJ, ROKN, STANAG

BULLETPROOF BUSINESS



# Project performance

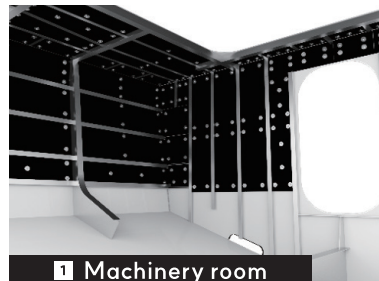
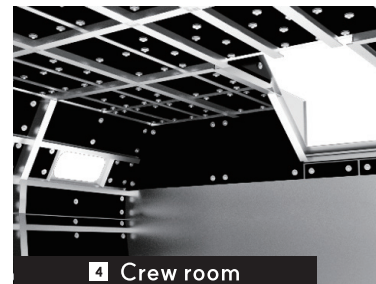
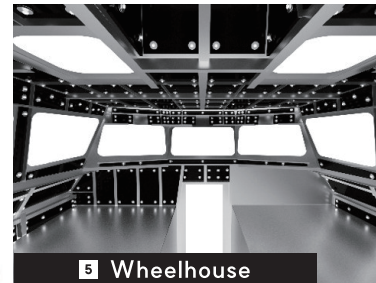
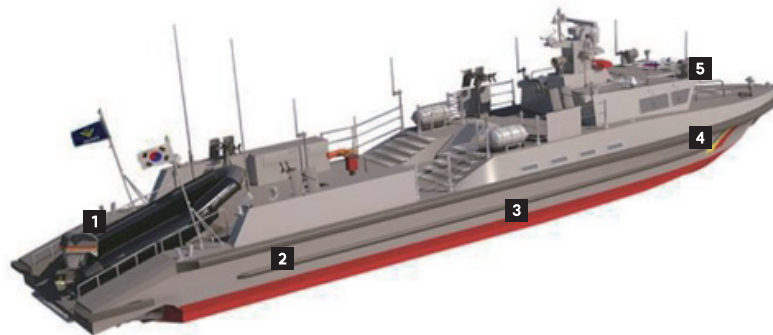
## Applied ship



Weight reduction  
of ship



Improved Mobility  
and speed of ship



NAME OF SHIP	Special patrol ship for K.C.G.
SHIPYARD	Human H.I.
SCOPE	Supply & install bulletproof panel (2 ships)
PERIOD	2018~2019

NAME OF SHIP	PKMR for R.O.K.Navy
SHIPYARD	HJ S.C.
SCOPE	Supply bulletproof panel (4 ships)
PERIOD	2024~

NAME OF SHIP	200ton patrol ship for K.C.G.
SHIPYARD	Kangnam corp.
SCOPE	Supply bulletproof panel (4 ships)
PERIOD	2021~2022

NAME OF SHIP	200ton patrol ship for K.C.G.
SHIPYARD	Kangnam corp
SCOPE	Supply bulletproof panel (1 ships)
PERIOD	2023~2024



BULLETPROOF BUSINESS



# Bulletproof drone station



**UHMwPE,  
Bulletproof steel plate**  
(Protect human & equipment)



**Drone platform for  
take-off & landing**  
(Dual monitoring surveillance system by  
human and drone)



**Customized design and  
production to meet customer needs**  
(Smart bulletproof posts for purpose  
and circumstance)

Holding 2 Patents and 7 design patents for bulletproof station

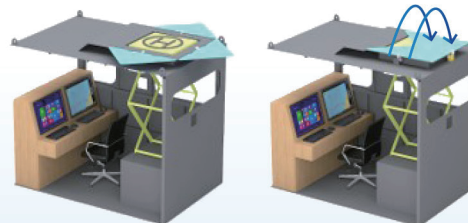
## Apply Bulletproof Material

- 1 Bulletproof panel
- 2 Wing platform (open/close)
- 3 Bulletproof window
- 4 Lift
- 5 Drone control station



- 1 Patent [Bulletproof guard post]
- 2 Design Patent [Drone bulletproof booth]
- 3 Design Patent [Drone bulletproof booth]

## OPEN / CLOSE



OPEN

CLOSE

## Vehicle TYPE





# Bulletproof material for USV



USV (Unmanned surface vehicle)



USV for mine disposal

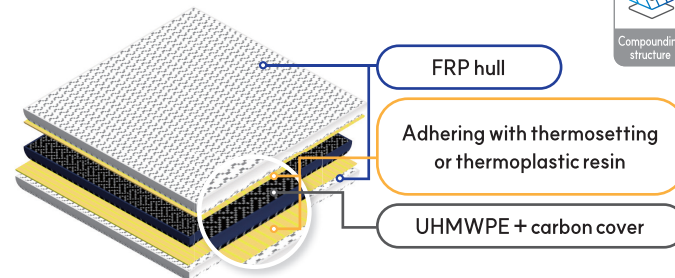
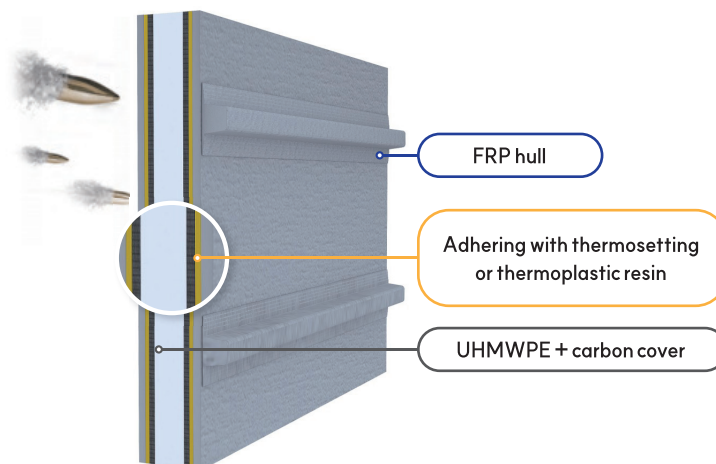


USV for combat

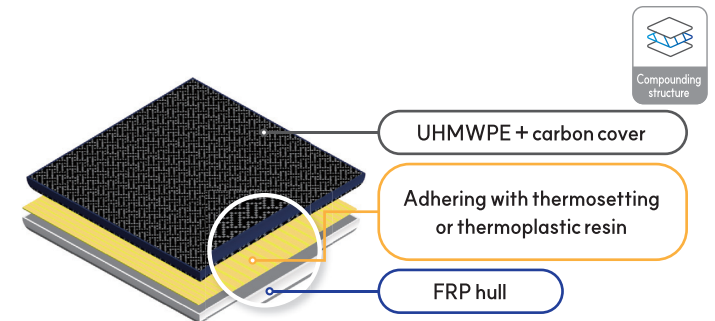
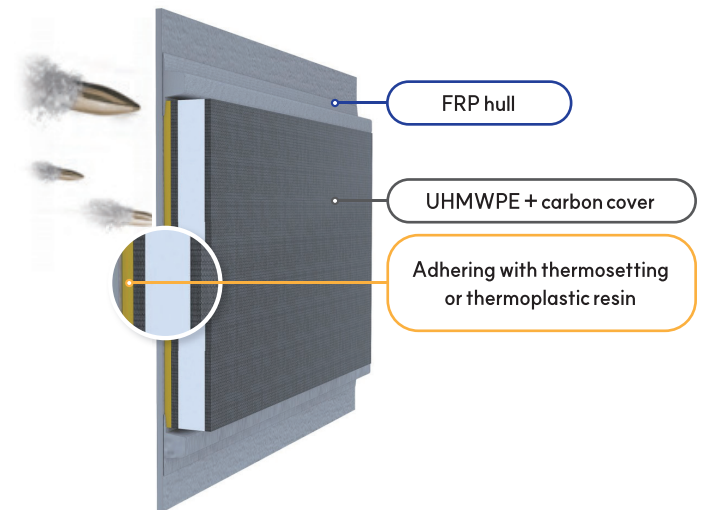


USV for scout

## TYPE A



## TYPE B







## ACCOMMODATION INTERIOR

We seek the  
**COMFORT**  
for our customers



ACCOMMODATION INTERIOR



# Cabin furniture for special ship

## Total solution



Design  
/ Plan

+



Production

+



Install  
/ Assemble

## Supply range



Supply and install for  
cabin furniture material



3D modeling,  
production and install  
for metal furniture



## Metal furniture

Navy type

AL + DRY POWDER COATING



BERTH, MODULAR 2-T



BERTH, 2-T



DESK



WARDROBE

Coast guard type

AL FRAME + HONEYCOMB + HPM



2-TIER BED



1-TIER BED



DESK 1-PEDESTAL



WARDROBE

Based on 30 years of design experience supply smart assembly metal furniture for special ship.



## ACCOMMODATION INTERIOR



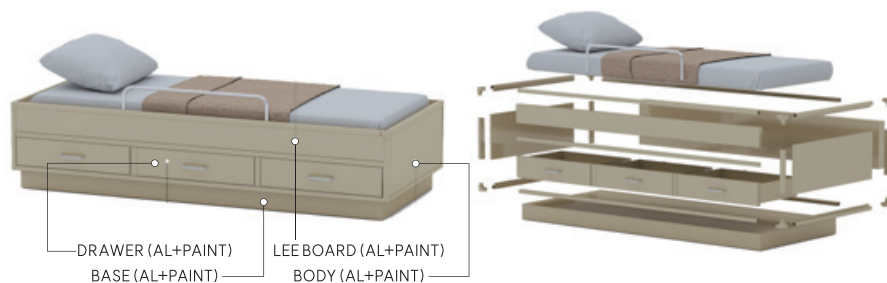
# Cabin furniture for special ship



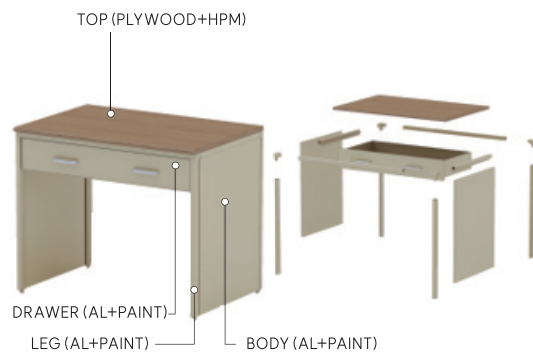
## Navy type

AL + DRY POWDER COATING

### 1 TIER BED



### DESK



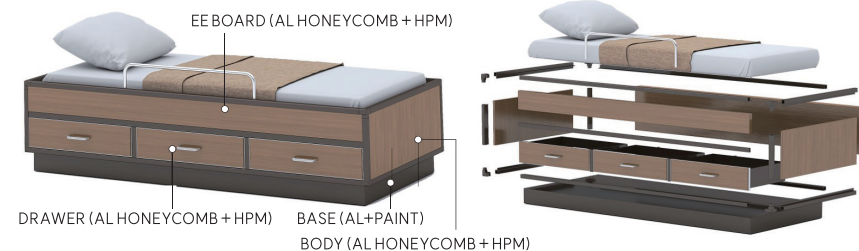
### WARDROBE



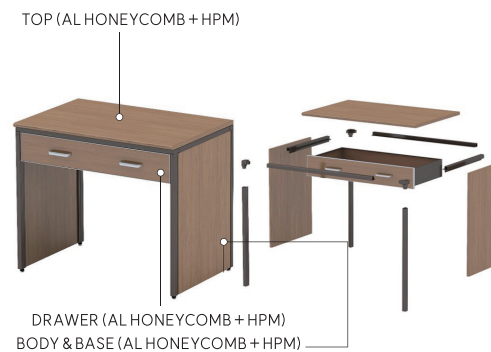
## Coast guard type

AL FRAME + HONEYCOMB + HPM

### 1 TIER BED



### DESK



### WARDROBE



ACCOMMODATION INTERIOR



# Accommodation turn-key

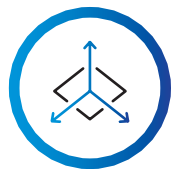


**01**  
ACCOMODATION  
ARRANGEMENT



**02**  
DESIGN PROPOSAL  
& COLOR SCHEME

## TURN-KEY SYSTEM



**05**  
INSTALLATION



**04**  
PRODUCTION



**03**  
APPROVAL DRAWING



ACCOMMODATION INTERIOR

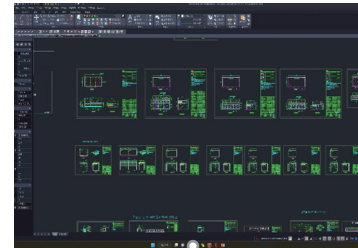


# Accommodation turn-key



## DESIGN PROPOSAL & COLOR SCHEME

- Working on 3D modeling by our design team.
- Can be applied customer feedback immediatly.
- Easy to select material color



## APPROVAL DRAWING

- Complete approval drawing
- Customer-focused design

# TURNKEY INTERIOR PROCESSOR



## PRODUCTION

- Our own in-company manufacturing site.
- Our production team produces the furniture directly



## INSTALLATION

- Our own on-site installation team
- On-site modification can be applied immediately



Accommodation interior

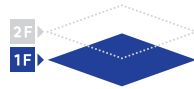
01

# Busan port information ship / BPA



## INTERIOR DESIGN

1<sup>st</sup> floor cabin



## INTERIOR DESIGN

2<sup>nd</sup> floor VIP cabin







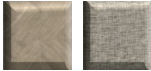
#### \* WALL PANEL

- PVC FILM

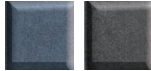


#### \* DECK COVERING

- DECO TILE



- VINYL SHEET



- EPOXY



#### \* INTERIOR FURNITURE

- HPM



- MARBLE



- FABRIC



#### \* INTERIOR CEILING

- MIRROR PANEL



- ACRYL PANEL



- CLOUD PANEL



#### \* LIGHTING

- DOWNLIGHT



#### \* WALL PANEL

- PVC FILM



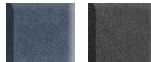
- LOUBER



- DECO TILE



- VINYL SHEET



#### \* INTERIOR FURNITURE

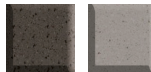
- HPM



- LEATHER



- MARBLE

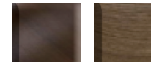


#### \* INTERIOR CEILING

- MIRROR PANEL



- INTERIOR FILM



#### \* LIGHTING

- DOWNLIGHT

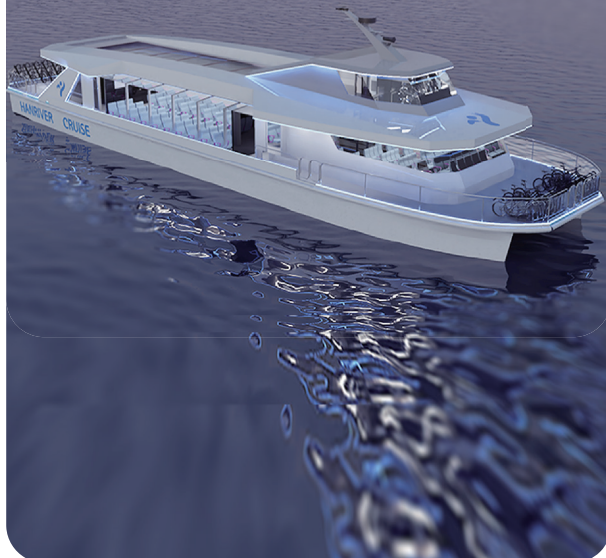




Accommodation interior

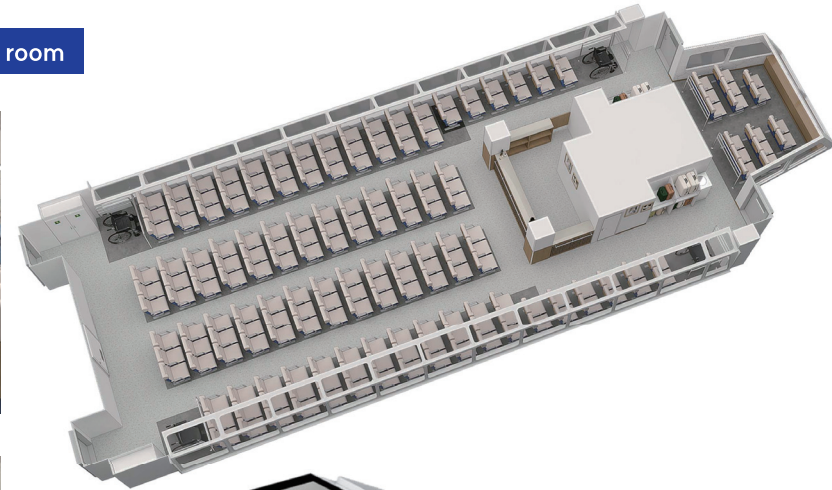
02

# Han river bus / Seoul city



## INTERIOR DESIGN

## Wheelhouse & cabin room



### \*WALL & CEILING PANEL

- PLYWOOD W / HPM

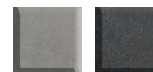


- CLOUD PANEL



### \*DECK COVERING

- VINYL SHEET



### \*FURNITURE

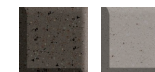
- HPM



- LEATHER



- MARBLE





Accommodation interior

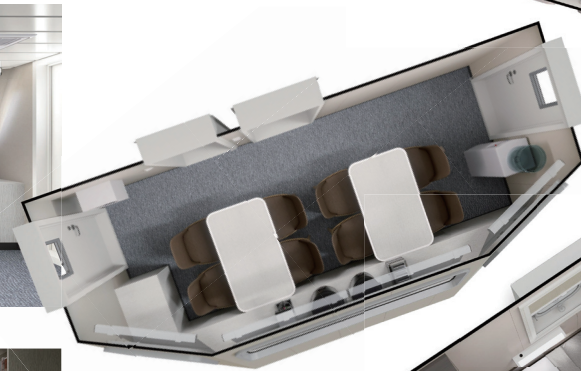
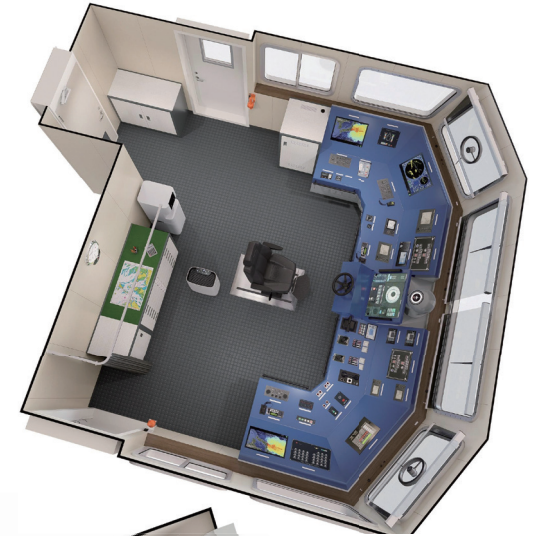
03

# Fisheries science research ship / N.I.F.S



## INTERIOR DESIGN

### Wheelhouse & Crew room



#### \*WALL PANEL

-PVC FILM



#### \*DECK COVERING

- DECO TILE



- RUBBER TILE



#### \*CEILING PANEL

- PAINT



#### \*FURNITURE

- PAINT



- HPM



- LEATHER





Accommodation interior

04

# LNG oil spill response ship / K.C.G.



## INTERIOR DESIGN

## WHEEL HOUSE



### \* WALL PANEL

-PVC FILM



### \* DECK COVERING

- DECO TILE



- RUBBER TILE



### \* CEILING PANEL

- PAINT



### \* FURNITURE

- PAINT



- HPM



- LEATHER







# Project performance

No.	Shipyard	Ship name	Q'ty	Contract year
1	Human H.I.	Special partol ship for K.C.G.	2 ships	2018 ~ 2019
2	Human H.I.	Fishery patrol ship	1 ships	2019
3	Human H.I.	Fishery patrol ship	1 ships	2021
4	Mirae shipyard	LNG oil spill response ship for K.C.G.	3 ships	2022 ~ 2024
5	Mirae shipyard	Water cleaning ship	1 ships	2022
6	Haemin SHI	LPG hybrid partol ship	1 ships	2021 ~ 2024
7	Kangnam corp.	Busan port information ship	1 ships	2022 ~ 2024
8	Dongil shipyard	Fisheries science research ship	1 ships	2022 ~ 2023
9	Dongil shipyard	Hospital ship	1 ships	2022 ~ 2023
10	Dongil shipyard	499t oil tanker	1 ships	2023
11	Dongil shipyard	Target ship	1 ships	2023
12	Human H.I.	Water cleaning ship(hydrogen-powered)	1 ships	2024
13	Human H.I.	Guidance ship	1 ships	2024
14	Global H.I.	Han river bus	6 ships	2024 ~ 2025
15	Mirae shipyard	LNG oil spill response ship for K.C.G.	1 ships	2024 ~ 2025
16	Kangnam corp.	Busan port information ship	1 ships	2024 ~ 2025



## SHIP MRO

We seek the  
**SATISFACTION**  
for our customer



SHIP MRO



# Project performance

**NAME OF SHIP** PCC  
**SHIPYARD** Keumha naval tech  
**END USER** Philippine navy  
**SCOPE** Engine, generator,  
Crane, Crew room, Deck  
covering, painting, etc.  
**PERIOD** 2019



**NAME OF SHIP** PKM  
**SHIPYARD** STX  
**END USER** Nigerian navy  
**SCOPE** Engine, Cabin room,  
Deck covering,  
painting, etc.  
**PERIOD** 2022



**NAME OF SHIP** PKM  
**SHIPYARD** STX  
**END USER** Uruguayan navy  
**SCOPE** Cabin room, Deck  
covering, painting, etc.  
**PERIOD** 2024







## INVENTORY

We seek the  
**CONVENIENCE**  
for our customer

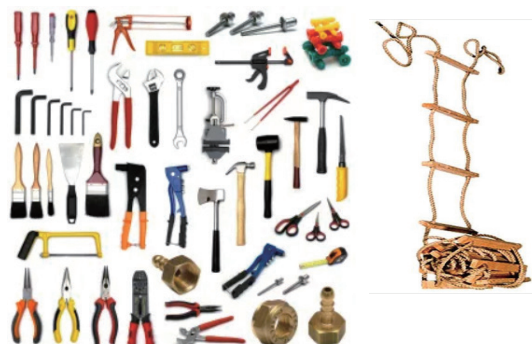


INVENTORY



# Project performance

Supply inventory and other fitting



No.	Shipyard	Ship name	Q'ty	Contract year
1	Human H.I.	Special patrol ship for K.C.G.	2 ships	2018 ~ 2019
2	Human H.I.	Fishery inspection ship	1 ships	2019
3	Human H.I.	Fishery inspection ship	1 ships	2021
4	Mirae shipyard	LNG oil spill response ship for K.C.G.	3 ships	2022 ~ 2024
5	Mirae shipyard	Water cleaning ship	1 ships	2022
6	SK Oceanplant	200t patrol ship for K.C.G.	7 ships	2023~2024
7	SK Oceanplant	3000t patrol ship for K.C.G.	3 ships	2023~2024



**As always, Constantly, Responsibly**  
**YGM Co., Ltd.**

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