

PENGUIN

Semi submarine boat

LET'S
PLAY



Enjoy the sea together!

 **PENGUIN OCEAN LEISURE**



Enjoying the sea together





Penguin
OCEAN LEISURE

Sharing the memories together



PENGUIN OCEAN LEISURE

Enjoying the sea together,
Sharing the memories together.

Penguin Ocean Leisure pursues a culture of 'getting together'. We will create a more valuable marine leisure culture where you enjoy with your family, lover, and friends.

WITH FAMILY

Enjoy together on semi submarine boat
PENGUIN.

- ✓ PENGUIN pursues a culture of 'getting together'.
- ✓ PENGUIN helps you to make beautiful memories which everyone can share.





UNDERWATER EXCURSION

Enjoy awesome underwater world with PENGUIN.

- PENGUIN excursion brings you a great wonder and pleasure.
- PENGUIN is the easiest way to explore under the sea for everyone.



ECO - FRIENDLY

PENGUIN creates a culture where you can enjoy the natural environment while protecting it.

- PENGUIN's environmentally friendly electric motor system conserves the sea life without any pollution.
- PENGUIN is perfect for enjoying the beautiful natural landscapes and preserving the tourist attractions and resorts.



FEEL SAFE

Feel safe on the sea on PENGUIN.

- PENGUIN is safe as it has been built with the technology and know-how of a company specialized in building lifeboats for 45 years.
- PENGUIN is a safe product with CE certification through Lloyd's Register, a world-class organization.



Places of Operation



THE BEST HONEYMOON SPOT

Maldives

The Maldives in the Indian Ocean is a world-famous tourist destination, made up of about 1,190 islands. In particular, the Maldives' atolls have plentiful underwater tourist attractions and calm waves, making them the best places to run PENGUIN.

Semi submarine boat PENGUIN is currently operated by 5 star resorts in the Maldives and in establishing as a new category of the Maldives' marine leports.



07 Semi-submarine boat PENGUIN





A MUST-SEE TOURIST DESTINATION

The Seychelles

The Seychelles is one of the world's most beautiful tourist destinations where its beauty of nature is preserved and which is loved by American celebrities, the Prince of Wales, royal families of the Middle East countries, and world soccer stars.

PENGUIN, which is run by its electric system, is currently in operation at the marine national park in the Seychelles.



A HUGE AQUARIUM WHALE SHARKS SWIM AROUND

China

PENGUIN, which you can experience in aquariums, is very popular with curious children.

Sliding by from the opposite side of the aquarium is not enough. In this sense, PENGUIN helps children broaden their horizons by observing rare aquatic creatures.



Fish-feeding, which kids like very much



Safe and easy snorkeling



Once-a-day sunset cruise (run at dusk)



Romantic on-board night parties

Contents

You can enjoy various contents on PENGUIN.



Swimming in the middle of an ocean



**Sea fishing while observing
the inside of the sea**



Picnic on the sea



Underwater excursion with children





1. Discovering new business places

Penguin Ocean Leisure is looking for new places around the world where semi submarine PENGUIN can be operated.



Coral reefs / Atoll areas



Amusement parks / Ocean theme parks



Aquariums



Undiscovered rivers and lakes



Places with stories

Business Plans

2. Developing underwater contents

Penguin Ocean Leisure is developing a wide range of underwater contents.



Learning the marine ecosystem



Experiencing marine creatures



Watching underwater sculptures



Organizing underwater performances



**Collaborating underwater contents with
Information Technology**



Product Introduction

PENGUIN 1.0

PENGUIN is specially designed for underwater excursion.

The initial model of the Penguin series are designed solely for underwater excursion. With its wide front and side windows, the Penguin 1.0 offers vivid experience.



Specifications

L x B x H	3970mm x 3540mm x 2860mm
Light Weight	4350kg
Draft	1582mm
Boarding Person	4 persons (Cabin : 2 persons)
Propulsion Type	BLDC Electric Motor
Speed	Max. 2 knots: calm sea
Running Time	8 hours running
Charging Time	11 hours charging

PENGUIN 2.0

PENGUIN 2.0 model is upgraded in many ways.

Operation: With a greater passenger capacity and a wider deck, PENGUIN 2.0 is capable of offering a wider range of service.

Maunfacturing: An easier and quicker manufacturing process.



Specifications

L x B x H	3950mm x 3650mm x 2545mm
Light Weight	4300kg
Draft	1210mm
Boarding Person	9~12 persons (Cabin : 4 person)
Steering Gear(s)	Twin steering gears
Propulsion Type	Electric Outboard Motor (ver. 2016)
Speed	Max. 4 knots: calm sea
Running Time	8 hours running
Charging Time	11 hours charging

FLYING PENGUIN

FLYING PENGUIN can sail further with increased speed.

Easier maintenance based on its gasoline engine system is suited to the marine.



Specifications

L x B x H	3950mm x 3650mm x 2545mm
Light Weight	4300kg
Draft	1210mm
Boarding Person	9~12 persons (Cabin : 4 person)
Steering Gear(s)	Round steering gears / Transmission
Propellant	Outboard type engine
Propellant specification	50 HP (4 stokes) x 2 ea
Fuel type	Gasoline
Speed	Max. 7 Knots : Calm Sea

GLASS BOTTOM PENGUIN

Glass bottom boat type PENGUIN.

By one's advanced technologies, the boat provides gentle ride and wider & clearer view than existing glass bottom boats.



Specifications

L x B x H	3500mm x 2340mm x 1730mm
Light Weight	400kg
Draft(light / full weight)	260mm / 310mm
Boarding Person	9 persons(total)
Propulsion type	electrical motor(3hp)
Speed	Max. 2 knots
Running time	4 hours running
Electric power voltage	29.6 v

Things to consider before operation

GUIDE MAP FOR PENGUIN BUSINESS

Q1. PLACE

Where is your target place for PENGUIN operation?

- (1) What about underwater environment?
- (2) Many tourists come to there?
- (3) Is there a place of anchorage for PENGUIN?

▼ YES

Q2. ANCHORAGE

Is it suitable for the anchorage of PENGUIN?

- (1) Is there a big Marina or enough anchor point to withstand 5 tons?
- (2) Is a water depth over 2m?
- (3) Is it in less than 500m from a operation area?

▼ YES

Q3. OPERATING

Is it possible safe operation and continuous business?

- (1) Is it in less than 500m from the anchorage point of PENGUIN?
- (2) Is it in less 0.5m wave height on good weather?
- (3) Is the water deeper than 2m?
- (4) Are there staff members around for charging and securities?

▼ YES

Q4. CHARGING

Is there a power supply facility?

- (1) Is the power supply over 5kw per boat?
- (2) Is it in less than 15m from the anchoring point of PENGUIN to power supplier?

▼ YES

FINAL

Everything is ready.

Solution & Requirement

If no, we need to find a new anchor point or install 2~3 units concrete anchors of about 500kg in the water.

▶ NO

Solution & Requirement

(1)(2)(3) If no, need to find new operation area. (4) If no, we need to arrange staff members.

▶ NO

Solution & Requirement

We need to install power supply equipment or use generator for charging.
(1) Check the capacity of electric outlet. (How many volt?/How many ampere?)
(2) How far the electric outlet from anchoring point of PENGUIN?

▶ NO

FAQ

1. Delivery package

PENGUIN is shipped by a container; 1 unit in a 20FR container, 2 units in a 40FR container.

2. Material of window

The material of the window is acrylic material. Acrylic is the best material for underwater viewing. (Clear: 99% light transmission) The window has about 200 times stronger than the same thickness of glass.

3. Breakdown during the sailing

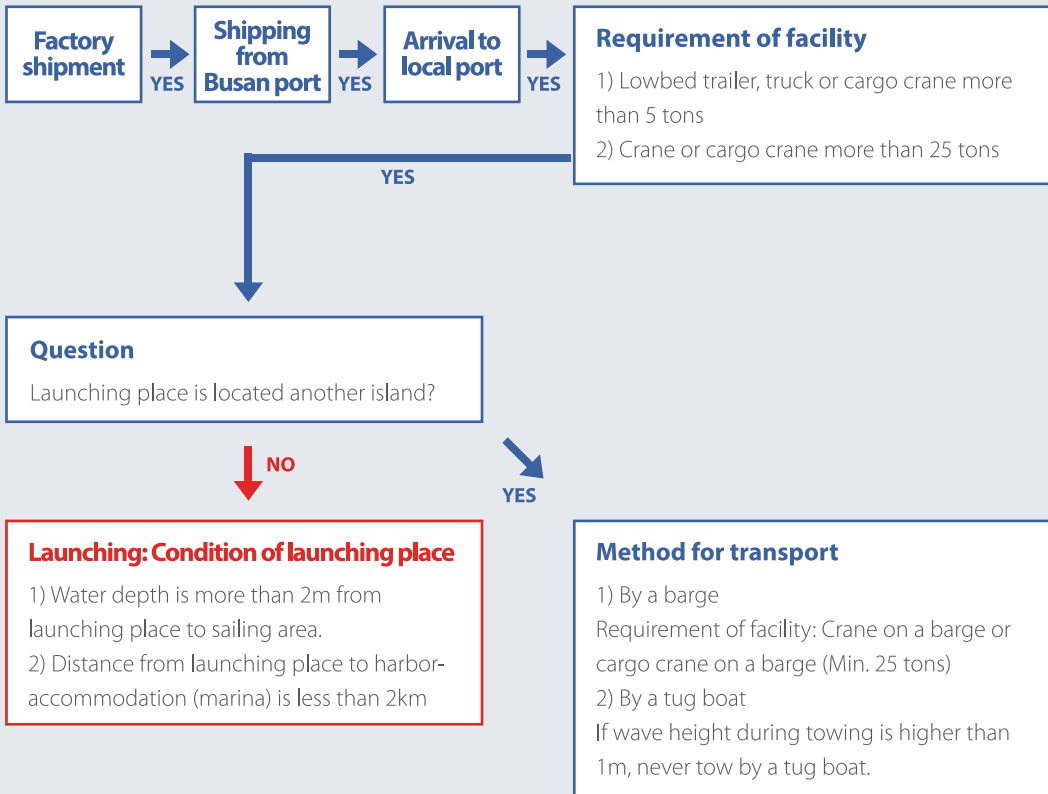
Sailor can find out the cause of the trouble through the error code, so he/she can handle the situation. All the main components are designed to be replaced easily.

4. Appearance of the competitor

We promise to offer the exclusive value of PENGUIN although the others release the new, but insufficient than ours. Someone may try to copy our model in the other countries; however we are sure it cannot be possible. We have passed a long R&D and self-inspection during the development. Even production partner has full of technical knowhow while making lifeboats over 45 years. On the basis of the strong technical skills, PENGUIN will become a world leading marine leisure brand.

FAQ

5. Transport/assembly/launching procedure



Be a partner of **PENGUIN**



Penguin Ocean Leisure is looking for partners to cooperate in various countries and environments.

The key to Penguin's success in the Maldives and the Seychelles was cooperation with good partners.

We are continuing to maintain good relationships with our partners and are broadening our networks.

Please contact us if you are interested in Penguin's business in Korea and abroad.

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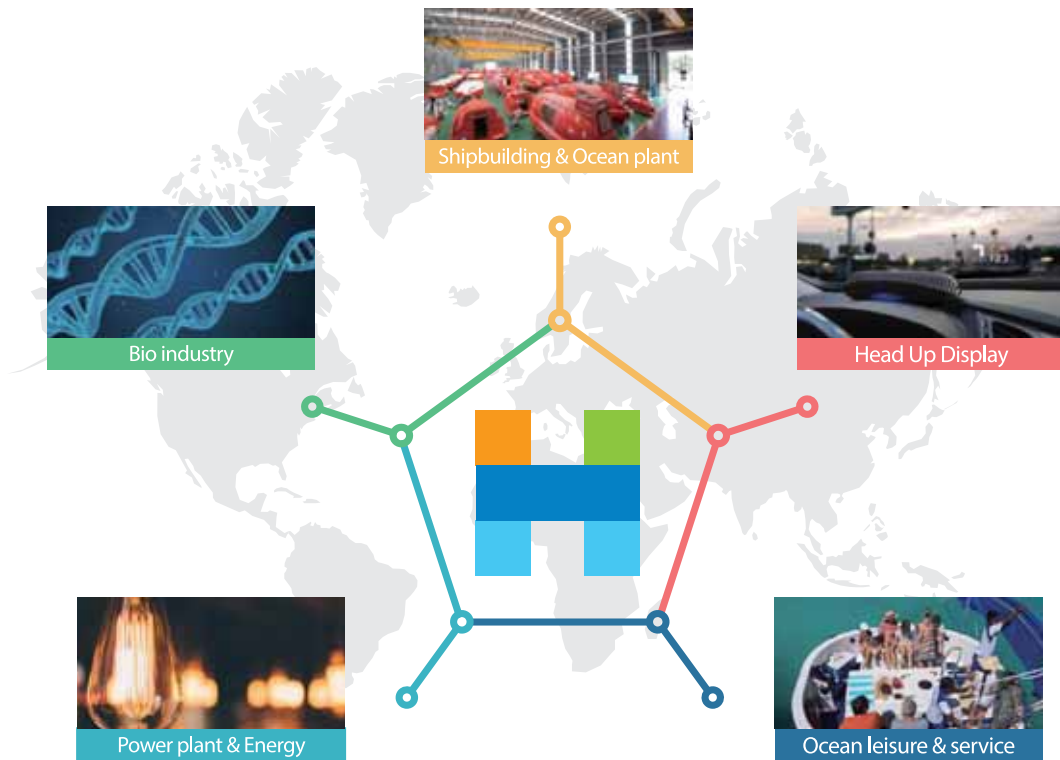
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HLB Group



Shipbuilding & Ocean plant

HLB lifeboat division

Business area Life boat / Lifeboat engine / Special ship

Website www.hdboat.com

HLB pipe division

Business area GRP pipe / GRE pipe

Website www.hlb-grppipe.com

BADA heavy industries

Business area Lifeboat davit, Special ship business, Crane business, Construction business

Website www.badahi.co.kr

HLB networks

Business area Inspection and repair of lifeboats / Engineering training / Selling marine engine and spare parts

Website www.hlbnetworks.com

Head Up Display

HLB HUD division

Business area Head Up Display system development & manufacture

Website www.aproview.co.kr

Power plant & Energy

HLB Lifescience Energy division

Business area ESCO business / New regeneration energy

Website www.hlb-ls.com

HLB power

Business area Damper / Diverter / Stack / Busway

Website www.hlbpower.co.kr

Ruby

Business area ESS(battery) system

Website www.rubybattery.com

HLB Elec

Business area Instrumentation / Automatic control system / Signal converter & controller

Website www.hlbelec.com

Ocean leisure & service

Hyundai yachts

Business area Yacht manufacturing (Power yacht, Sail yacht, Super Yacht, River cruise, Fishing boat etc.)

Website www.hdyachts.com

Hyundai & cosmos yachting

Business area Yacht chartering service

Website www.hdcosmos.com

Gocean

Business area Semi submarine 'PENGUIN' development

Website www.gocean.co.kr

Penguin ocean leisure

Business area Semi submarine 'PENGUIN' operating and sales

Website www.penguinol.com

Bio industry

LSK BioPharma

Business area Targeted anticancer drug research and development

Website www.lskbiopharma.com

LIFELIVER

Business area LifeLiver, Cell based hair regeneration, Liver cell therapeutics

Website www.life-liver.co.kr

HLB Lifescience Bio division

Business area Anticancer drug development (Tegatrabeten/SP-2577)

Website www.hlb-ls.com

LSK investment

Business area Bio & healthcare industry Investment / VC investment

Website www.lski.co.kr

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