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Development of the Maritime Industry and A Company that Leads the Maritime Culture



Greeting

A company that leads the development of the global maritime industry and maritime culture

The sea of Korea has played a significant role in Korea's modernization and development by supporting smooth import and export logistics and providing good food and resting places to all citizens. However, the reality of fishing villages in Korea has a lot of difficulties every year due to manpower shortage, working environment that is not improving, and environmental problems at home and abroad.

We, Marine Dibello Co., Ltd., are striving to create a sea that anyone in Korea can comfortably find by improving the poor environment of fishing villages and developing and proposing leisure and recreation facilities.

People who love the sea more than anyone else gather and strive every day to contribute to the marine industry. For the future of the maritime industry, we will work hard for the maritime industry of Korea under the vision of "a company leading the maritime industry".

We, Marine Develop Marvel Co., Ltd., will lead the future-oriented marine industry that develops further through research, design, and production to make the sea a place where you can enjoy comfort and relaxation that you want to stay every day.

We will become a more developed Marine Develop Marvel Co., Ltd. in the future.

History

2022

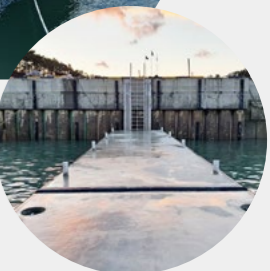
- Chungnam Daecheon port deformed concrete composite pier design, production and installation work
Registered floating pier patent
- Selected as an export voucher project by KOTRA
- Gyeongsangnam-do Tourism Support Center selected as an unlisted company
- Sacheon-si floating pier installation work (4 places : Yubu Island, Hongwona Port, Guujin Port, Jungchon Port)
- Boryeong-si, Chungcheongnam-do, floating pier installation work (2 places : design, manufacture, and installation of concrete floating pier in Daecheon Port, Jukdo Port)
- Namhae-gun floating pier installation work (2 places : Seogeun Port, Hwajeon Port)
- Changwon-si floating pier installation work (4 locations : Sirak Port, Masan Port, Buyun Port, Oesong Port)
- Taean-gun Floating Pier Installation Work (Anheung Outer Port)
- Goseong-gun floating pier installation work (Jarando)
- Wando-gun floating pier installation work (3 locations : Soan Port, Imok Port, Mira Port)
- Geoje-si floating pier installation work (3 places : Yangjimi Port, Gyedo, Guyang Port)
- Hadong-gun Floating Pier Installation Work (Jungpyeong Port)
- Received order for US Navy aircraft carrier docking facility (Guam)

2021

- Registered a patent for modular composite resin floating structure
- Hadong-gun Noryang Port Construction
- Hadong-gun floating pier installation work (Noryang Port (3 locations))
- Busan-si Shinho port floating pier installation work
- Namhae-gun floating pier installation work (6 places: Sangju Port 2 places, Deokwol Port 2 places, Jijok Port, Dangjok Port)
- Goseong-gun floating pier installation work (2 places: Daegu Makhang, Dongmunhang)
- Geoje Gabe Port floating pier installation work
- Wando-gun floating pier installation work (6 places: Gogumhwaseong, Gogumgyo Bridge, Bogilyejak, Changsan Kwondeok, Geumil Dongbaek, Geumil Sorang Port)
- Changwon-si floating pier installation work (2 places: Anseong Port, Sirak Port)
- Sacheon City Bito Soksa Gwim Ecological Test Facility Construction
- Ullin Hupo Port Fishing Village New Deal Project Facility Construction

2020

- Established Marine Develop Marvel Co., Ltd.



Certification



Factory Registration Certificate



Small Business Confirmation



Bidding Qualification



R&D Department Recognition



Modular Composite Water Floating Structure Patent



Floating Pier Patent

PRODUCT INTRODUCTION

Marine Develop Marvel Co., Ltd. is a company representing the design, manufacture and installation of offshore floating structures and marine leisure sports in Korea.



Heterogeneous Composite Concrete Floating Pier | 06



FRP Structures | 08



PE Offshore Floating Structures | 10



File Construction | 16



Other Manufacturing, Installation Photos | 18



Marine Leisure Sports Business | 20

MARINE DEVELOP

First Time in the Country

Heterogeneous Composite Concrete Floating Pier

Marine Develop Marvel Co., Ltd. designs, manufactures, and installs deformed composite concrete floating piers that combine concrete and fiber-reinforced plastic. The deformed composite concrete floating pier has a low price compared to steel and concrete floating piers, is strong in strength, waves, and impact, and is a floating pier that applies only the advantages of fiber-reinforced plastic and concrete. It is a floating pier made using only the strengths of fiber-reinforced plastic and concrete while protecting the disadvantages of PE. It is semi-permanent and easy to install and manufacture compared to other floating piers.



01 Chungnam Daecheon Port Deformed Composite Concrete Floating Pier Installation Work
 Major Institutions Chungnam
 Installation Place Daecheon Port, Boryeong-si, Chungnam
 Installation Date May 2022
 Mooring Type Concrete Block Embedded Type

02 Chungnam Bihyang Port Deformed Composite Concrete Floating Pier Installation Work
 Major Institutions Chungnam
 Installation Place Bihyang Port, Boryeong-si, Chungnam
 Installation Date December 2021
 Mooring Type Composite Format Concrete Blocks, Anchors (Anchors)
 Connecting Taoist Form Special Type Height-adjustable Type that Differs Depending on the Tide



FRP Structures

The FRP structure is light in weight, so the flow resistance is small and maintenance costs are low. Due to the nature of the FRP material, once manufactured, it does not deform or corrode and does not require painting. Since the inner space of the floating pier is made up of numerous cells, that is, watertight bulkheads, it has sufficient buoyancy, so it is easy to repair and repair damaged parts in the field and has excellent wave resistance. It is less likely to be damaged by waves, wave force, and storm, and has excellent bending force, so deformation is small, and various colors/designs can be applied, and various structures can be easily installed on the upper part of the floating pier. As an all-in-one floating pier, there is almost no partial deformation caused by wave force and wind, and it is safe and can be custom-made to suit the local terrain. For the first time in Korea, we are receiving and manufacturing orders for docking pontoons for US Navy aircraft carriers.

01 Manufacturing of FRP Pontoon Bridge Navy Warship Berthing Pontoon (Camel)

Major Institutions United States
 Installation Place Guam, United States
 Installation Date 2023
 Specifications 6,391 x 2,114 x 1,581mm
 UFC 4-151-10 & UFC-4-152-01 & TR6074-OCN
 Shape Plate Composite Pontoon



02 Gyeongnam Hadong-gun Noryang Port FRP Structure Installation Work

Major Institutions Hadong-gun
 Installation Place Noryang Port, Hadong-gun, Gyeongnam
 Installation Date June 2021
 Mooring Type Anchor Type



03 Jeonnam Wando-gun Geumildongbaek FRP Structure Installation Work

Major Institutions Wando-gun
 Installation Place Geumildongbaek, Wando-gun, Jeonnam
 Installation Date June 2021
 Mooring Type Anchor Type



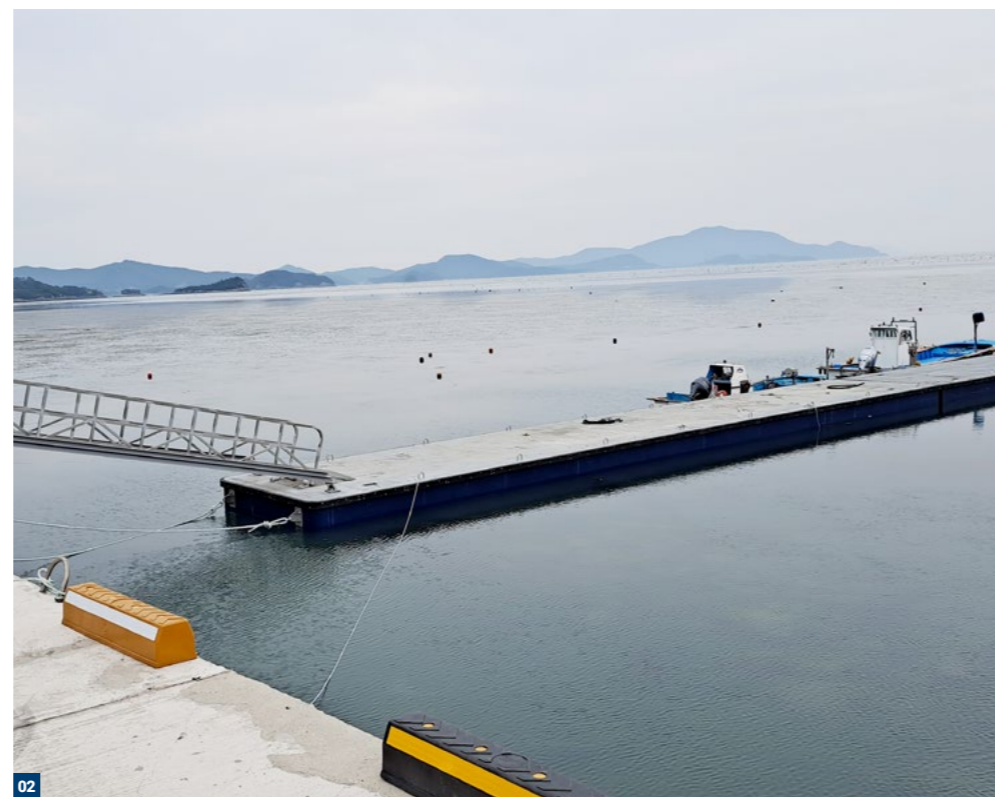
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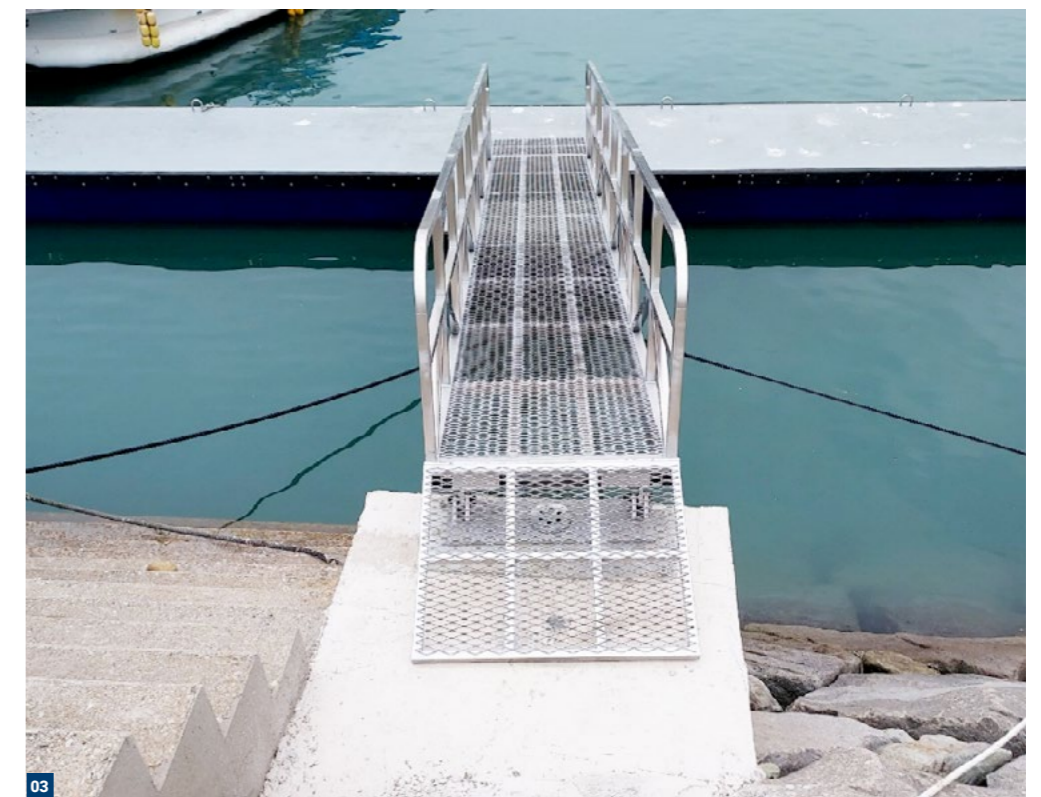
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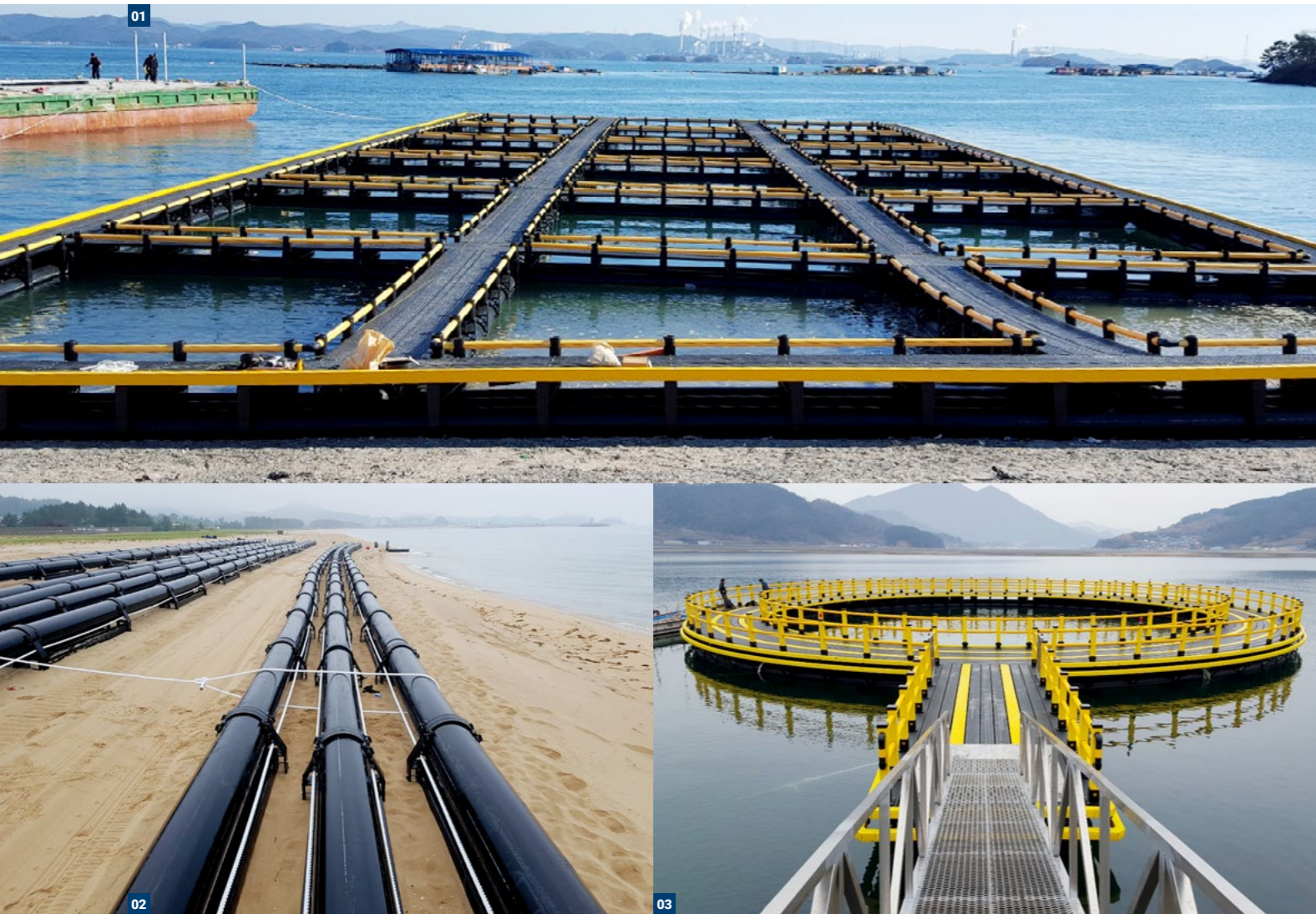


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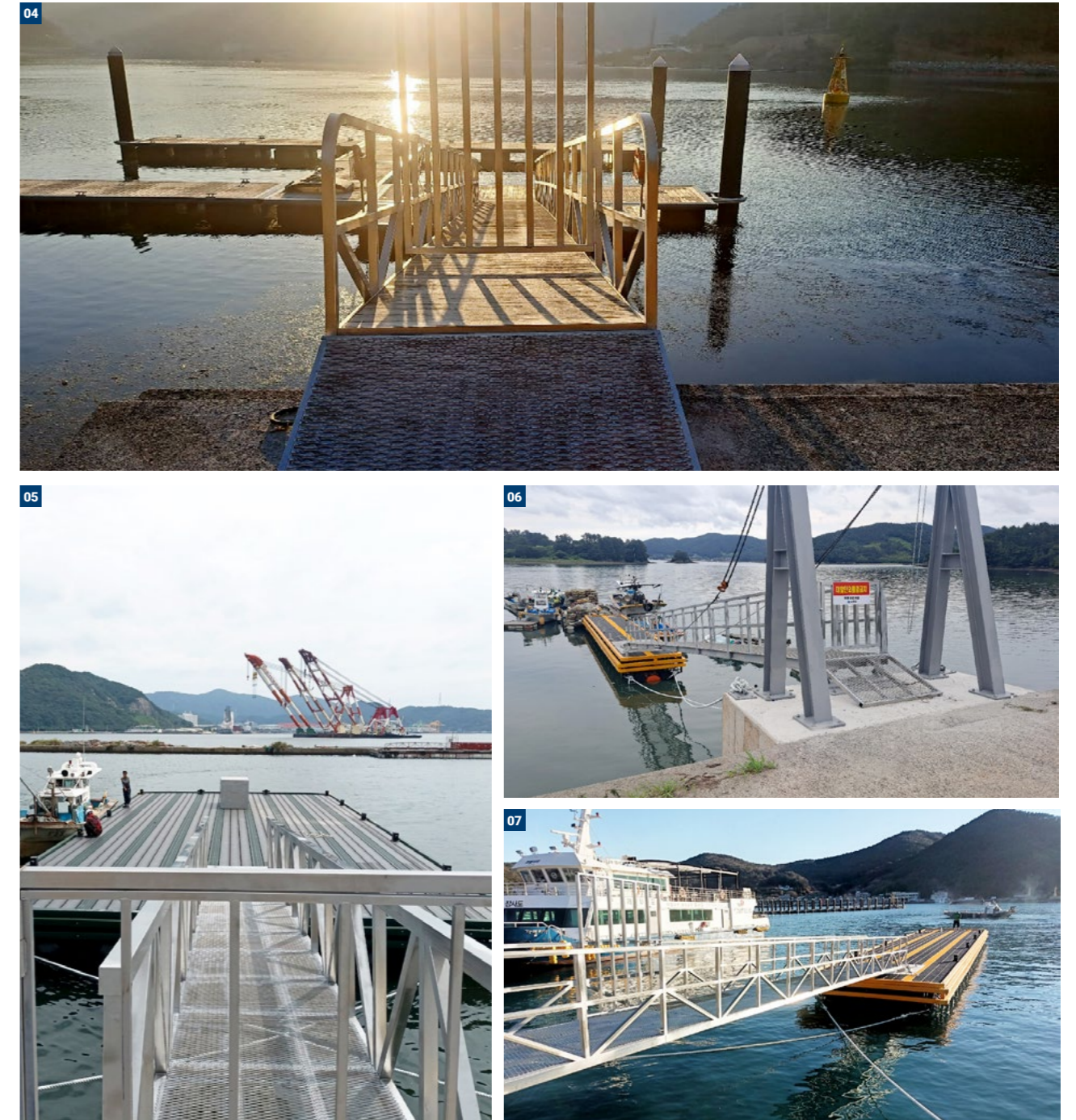
PE Offshore Floating Structures

In particular, it is installed in areas where it is difficult to unload with general offshore floating facilities due to the large difference between tides, deep water or soft ground. Offshore floating structures using PE (PolyEthylene) materials are floating structures that form a certain space in the vicinity of seas, rivers, or lakes or within water bodies. Currently, their uses are not only small ship mooring facilities (floating piers), but also fish farms and floating pensions, marine pontoon bridges, etc. As an offshore vessel berthing facility, it is excellent in wave and wave force and can facilitate berthing of a ship, and it is easy to install, change position, and repair after installation, and there is little damage.

- Types of PE Floating Structures**
1. Cage Farming, 2. Water Intake Pipe (Deep Sea Water, etc.),
 3. Marine Leisure Structures such as Fishing Grounds, 4. PE Floating Pier



PE Floating Pier



01 Chungnam Hongseong-gun Gungri Port Cage Farm Installation Work
Major Institutions Chungnam
Installation Place Gungri Port, Hongseong-gun, Chungnam

02 Chungnam Hongseong-gun Namdang Port Intake Pipe (Deep Sea Water, etc.) Installation Work
Major Institutions Chungnam
Installation Place Namdang Port, Hongseong-gun, Chungnam

03 Marine Leisure Structures such as Fishing Grounds



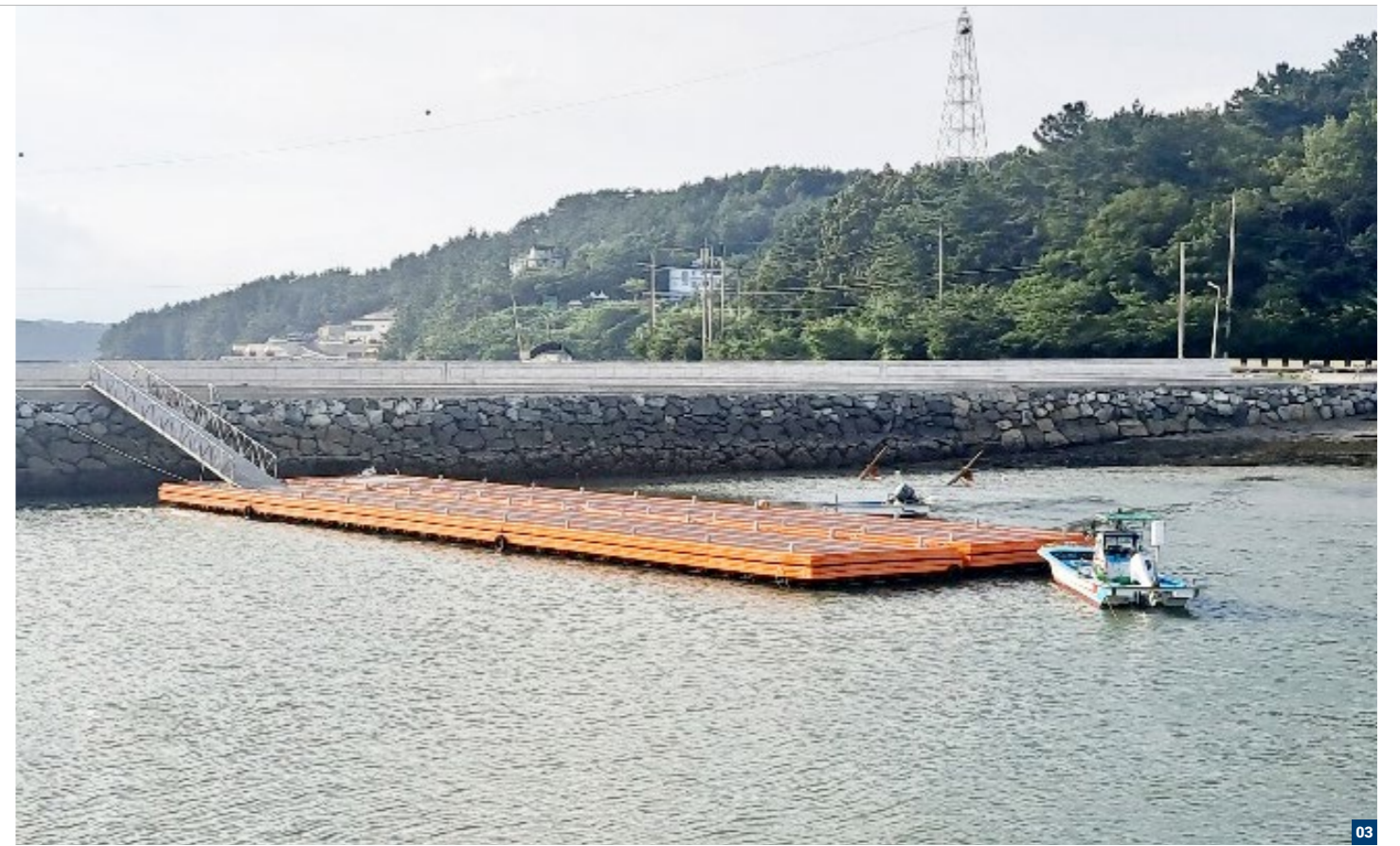
04 Gyeongnam Changwon-si Sopo Port PE Floating Pier Installation Work
Major Institutions Changwon-si
Installation Place Sopo Port, Changwon-si, Gyeongnam
Installation Date December 2022
Mooring Type File/Antiform

06 Gyeongnam Changwon-si Buyun Port PE Floating Pier Installation Work
Major Institutions Changwon-si
Installation Place Buyun Port, Changwon-si, Gyeongnam
Installation Date June 2022

05 Gyeongnam Changwon-si Masan Port PE Floating Pier Installation Work
Major Institutions Changwon-si
Installation Place Masan Port, Changwon-si, Gyeongnam
Installation Date July 2022

07 Gyeongnam Tongyeong-si Hallyeohaesang National Park PE Floating Pier Installation Work
Major Institutions Tongyeong-si
Installation Place Hallyeohaesang National Park, Tongyeong-si, Gyeongnam
Installation Date June 2022

PE Floating Pier



01 Gyeongnam Changwon-si Sirak Port PE Floating Pier Installation Work
 Major Institutions Changwon-si
 Installation Place Sirak Port, Changwon-si, Gyeongnam
 Installation Date December 2022
 Mooring Type Concrete Block Embedded Type

02 Gyeongnam Hadong-gun Jungpyeong Port PE Floating Pier Installation Work
 Major Institutions Hadong-gun
 Installation Place Jungpyeong Port, Hadong-gun, Gyeongnam
 Installation Date September 2022



03 Gyeongnam Sacheon-si Jungchon Port PE Floating Pier Installation Work
 Major Institutions Sacheon-si
 Installation Place Jungchon Port, Sacheon-si, Gyeongnam
 Installation Date November 2022

04 Gyeongnam Namhae-gun Seogeunhang Port PE Floating Pier Installation Work
 Major Institutions Namhae-gun
 Installation Place Seogeunhang Port, Namhae-gun, Gyeongnam
 Installation Date November 2022



PE Floating Pier



01

01 Gyeongnam Geoje-si Gyeonghang Port
PE Floating Pier Installation Work
Major Institutions Geoje-si
Installation Place Gyeonghang Port, Geoje-si, Gyeongnam
Installation Date October 2022



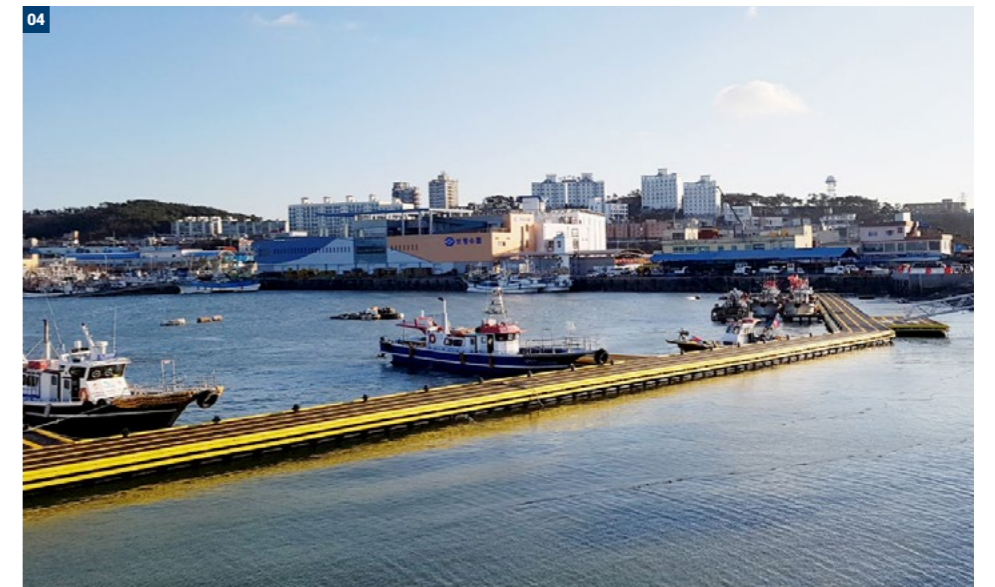
02 Chungnam Boryeong-si Waseong Port
PE Floating Pier Installation Work
Major Institutions Boryeong-si
Installation Place Waseong Port, Boryeong-si, Chungnam
Installation Date October 2022



02



03



04

03 Chungnam Seocheon-gun Yubu Island
PE Floating Pier Installation Work
Major Institutions Chungnam
Installation Place Yubu Island, Seocheon-gun, Chungnam
Installation Date January 2022

04 Chungnam Boryeong-si Daecheon Port
PE Floating Pier Installation Work
Major Institutions Chungnam
Installation Place Daecheon Port, Boryeong-si, Chungnam
Installation Date October 2020



Pile Construction

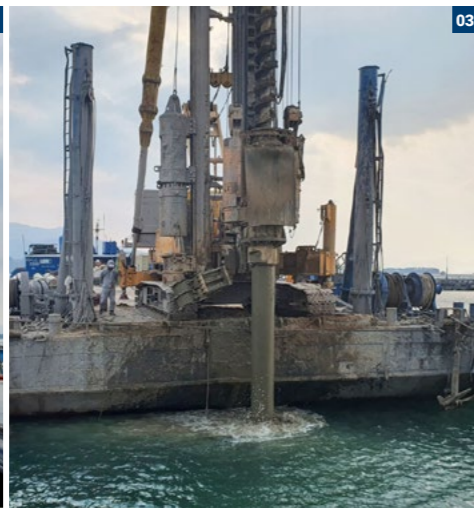
After checking the sample soil quality by drilling a hole in the sea level, drilling a hole to the position where it can be fixed, driving, installing and fixing the pile. The exterior of the pile is treated with PE and other surfaces to withstand salt.



01



02



03

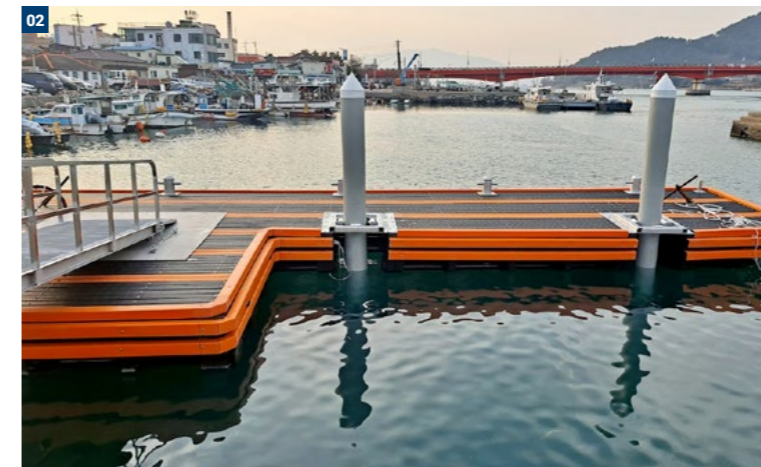


04

**Gyeongnam Hadong-gun Noryanghang Port
FRP Floating Pier Installation Work**
 Major Institutions Hadong-gun
 Installation Place Noryanghang Port, Hadong-gun, Gyeongnam
 Installation Date January 2021
 Mooring Type File/Antiform



- 01 Photo of Completed Installation
- 02 File Installation picture
- 03 File Hunt Picture 1
- 04 File Hunt Picture 2



02



02

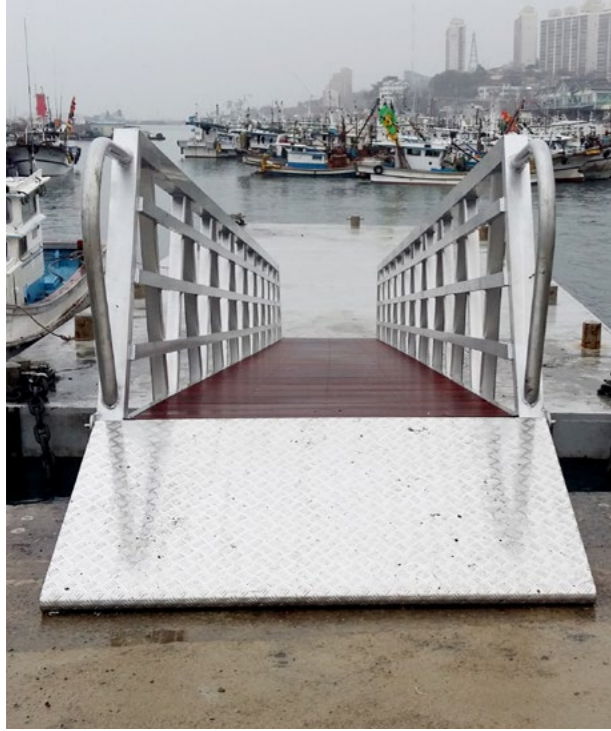
**Gyeongnam Goseong-gun Dongmun Port
FRP Floating Pier Installation Work**
 Major Institutions Goseong-gun
 Installation Place Dongmun Port, Goseong-gun, Gyeongnam
 Installation Date November 2022



- 01 Pile Surface Treatment Pictures
- 02 Finished Photo After File Surface Treatment
- 03 File Holding Device

Concrete Floating Pier

It is made of internal and external concrete, so it is strong against waves and wave forces, but it is heavy. It goes out and production costs are high.



Aluminum Floating Pier

Compared to iron and concrete floating piers, they are vulnerable to external conditions, but they have excellent appearance. It's light. Mainly used for marinas.



Marine Sewage Treatment System

We are developing, manufacturing and installing marine sewage treatment equipment for the first time in Korea.

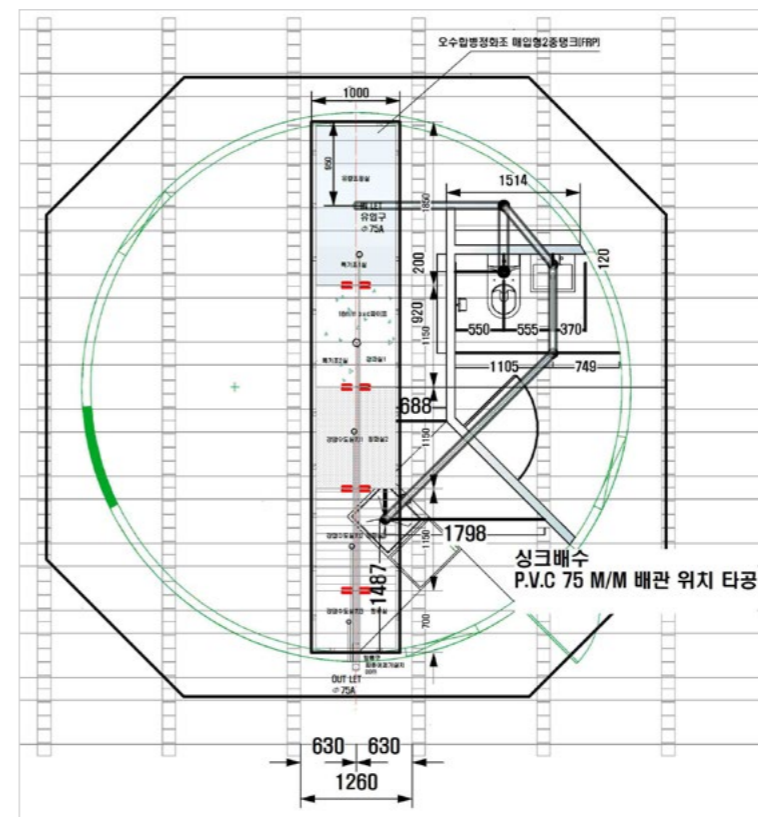
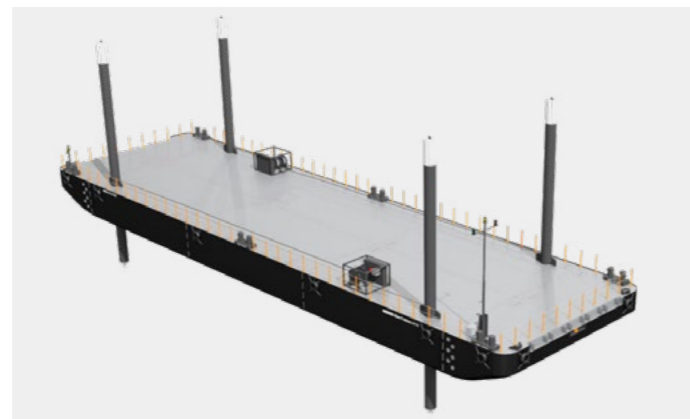


Floating Solar

Marine Develop Marvel Co., Ltd. is installing floating solar power for rivers, reservoirs, and rivers.

Iron Ship

It is the strongest of the floating piers and withstands adverse external conditions well. However, it is heavy, expensive, and requires regular A/S due to rust.



Marine Leisure Sports Business

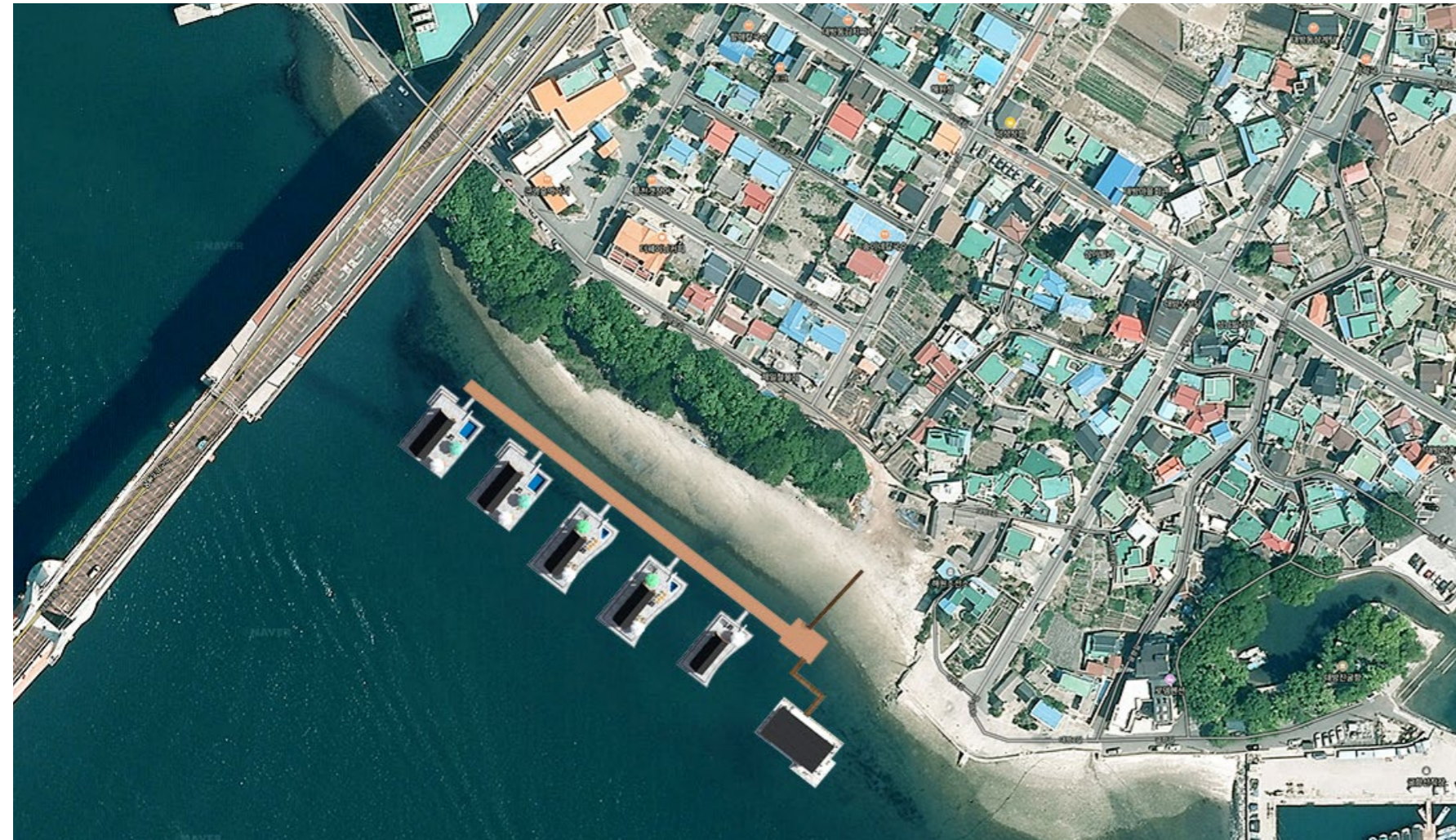
Marine Develop Marvel Co., Ltd. is advancing into various businesses for the development of the marine business and mutual growth with the fishing community. As a tourism and leisure facility with excellent aesthetics and design, we will prepare for leisure business and maritime culture business such as marine pensions and marine cafes on the sea and water, and will become a leading company in the marine leisure sports business.



Sea Pension · Sea Cafe

The marine pension is based on an external sanctuary, an internal bedroom, a kitchen, a family room, and a bathroom. It is an eco-friendly septic tank facility and a pension where you can enjoy sufficient rest and leisure inside.

The Sea Cafe is a floating cafe that aims to become a haven for many people who visit the sea. It is designed to fully enjoy the tranquility and scenery of the sea.





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your smartphone.

www.marinedevelop.co.kr

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