FLOATING BRIDGE SYSTEM

For a long time, people living on coasts and islands have mostly used buoys made of polystyrene foam or metal. Of these, polystyrene accounts for about 40% of marine litter. This litter is usually in the form of foam fragments, which are difficult to recycle and damage the marine environment. Broken and floating particles are easily ingested by fish and birds, but since they are indigestible, the animals will often die as a result. The floating foam fragments and foam particles found in animal cadavers have brought long-term pollution to the ocean and to humans. This cycle within the biological chain has caused irreparable damage to the marine ecosystem.

Product Introduction

The floating bridge system is primarily designed for water-based fish farming, water leisure platforms and other applications. The system consists of a floating body, pedals, pipes and supporting accessories. It is primarily composed of high-density polyethylene (HDPE). It is tough and strong, corrosion-resistant and non-polluting. The HDPE floating ball is designed specifically for use on the ocean. Anti-aging materials are added to the raw materials, significantly improving weather resistance. The floating bridge system has good overall strength, outstanding toughness, strong wind and wave resistance, and a long service life when compared to more traditional designs. It is ecologically friendly and non-polluting, thus protecting the marine environment. It helps keep islands and coastal areas clean and beautiful.

Product Advantages

INTEGRATED BUILDING

Product Introduction

The integrated combined building and sewage treatment system is an innovative sewage treatment method. It is able to collect, filter, microbially purify and disinfect domestic sewage generated by multiple integrated houses; the domestic sewage is treated up to a high standard, in line with national urban sewage discharge requirements. It can be quickly installed in residential or tourist areas, even at sea level. It features a small footprint, easy installation, flexible deployment, and low cost. It is a new direction for the development of the agricultural tourism and environmental protection facility industries.

01 High cost efficiency

- Easy to transport, install, and assemble, offering significant savings in time and cost
- The standard construction normally takes 25-30 days (based on a 36m² configuration)

02 Energy savings

- High-density EGPS structure with excellent thermal insulation performance, 180mm thick
- A small amount of energy is able to provide a comfortable living environment
- Compared with existing buildings, it offers savings of 30-60% in cooling and heating costs

03 Effective resistance to external forces

- The circular roof structure is scientifically the most stable structural form, providing good compression strength, excellent durability, and effective resistance to snow loads
- Wind blowing from any direction will not form an acute angle. The product can thus be used safely in areas of strong winds

04 Diverse applications

- The 31.2m² layout is the basic configuration, and can be expanded to the left and right
- Easily expanded by connecting different layouts in various combinations

05 Natural architectural forms

- Natural beauty is created through the perfect combination of arched curves and straight lines
- The circular interior space is as warm as a mother's embrace
- The moon and stars are printed on the ceiling window, which is very romantic

06 Environmentally friendly materials

- EGPS is composed entirely of carbon gas, and does not produce any harmful substances or environmental hormones
- Genuine low-carbon, green energy

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LESSO

CHINA LESSO
STOCK CODE: 2128.HK

OCEAN RESORT AND FISHING LAND

Marine ranches are developed to serve the economy of marine agriculture. They will provide marine leisure travel and offshore real estate

Group Introduction

RMB 30.767 billion
2022 Sales revenue

30+
Production bases

10000+
Product categories

2900
Product patents

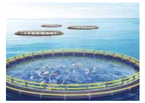
China Lesso Group Holdings Limited (Stock Name: China Lesso, Stock Code: 02128.HK) is a large industrial group of home furnishings and building materials in China. China Lesso's business portfolio spans plastic piping, building materials and home furnishings, environmental protection, new energy, supply-chain service platforms and others. It offers products such as pipes, photovoltaics, plumbing and sanitary ware, integral kitchen materials, integral doors and windows, aluminum formwork and smart scaffolds, water purifiers, water-proofing materials and sealants, fire-fighting equipment, valves, cables, lighting, hygiene materials, items for environmental protection, agricultural facilities, and oceanic aquaculture cages. Its sales revenue has reached RMB 30.767 billion in 2022.

With the rapid development of internationalization and globalization, China Lesso boasts more than 30 advanced production bases distributed in 18 provinces across China, and in some foreign countries. China Lesso remains committed to improving its strategic layout, broadening its sales network and expanding the market. This is how it provides products and services for customers in a timely and efficient way.

As a domestic manufacturer of extensive home furnishings and building materials, China Lesso provides over 10,000 varieties of products with all specifications. Its products are being widely used in many areas, including home decoration, civil construction, municipal water supply, drainage, energy management, power supply and telecommunications, gas supply, fire-fighting, environmental protection, agriculture, oceanic aquaculture, and more.

True to its slogan of "Envisioning the Better, Building the Future", China Lesso will honor its promise of creating a healthy, enjoyable, and sustainable environment. The Group remains committed to improvements in urban construction to create better places to live. With concerted efforts from various sectors, Lesso will fully play its role in building green, livable, and efficient cities so that people could enjoy health and happiness anytime and anywhere in their city life.

MARINE CAGE CULTURE SYSTEM



Product Description

The HDPE marine cage culture uses high-strength HDPE pipes instead of traditional net cage platform materials. All main system components are standardized products, providing strong plasticity, quick installation, ease of movement, environmental protection and durability. Compared with traditional cages, Lesso HDPE marine cages offer significantly improved performance in terms of wind resistance, wave resistance, and ocean current resistance.

Main Features

Scope of Application

In the fish farming industry, it can be used to build a variety of different culture cages.

In large fish ponds, reservoirs, hydropower stations, wharves, seaports and other water environments, it can be used to build floating bridges for sightseeing, operating platforms and other floating bridges

In the shipbuilding industry, it can be used to build simple boats and rowboats

For tourism and recreation, it can be used to build different kinds of swimming pools

Features

High cost efficiency

The net cage has a large volume and a high output, making it suitable for large-scale production and commercial operation.
Far away from the land, the water quality is excellent.
The cultured seafood is of high quality, has a good survival rate, and grows quickly.

Strong wind and wave resistance, excellent cold resistance and long service life

HDPE marine culture cages are made of high-density and high-toughness HDPE materials.
They can withstand typhoons up to level 12 and temperatures down to -50°C.
Service life up to 15 years or more, suitable for deep sea farming.

Environmentally friendly, non-polluting

HDPE marine culture cages are made of HDPE material, which is non-polluting and extremely corrosion-resistant.

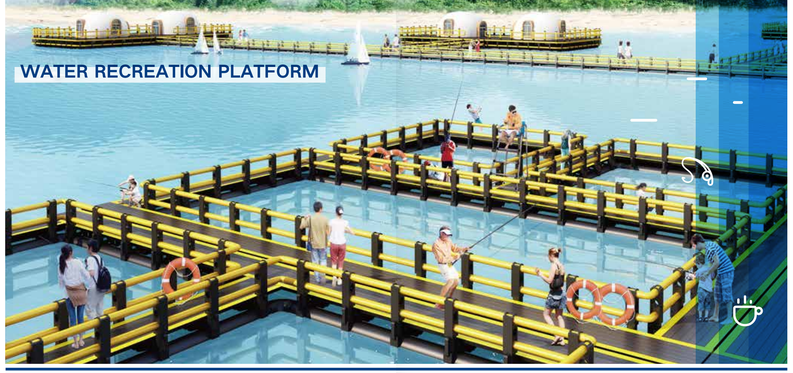
Expanded culture space

Due to their strong wind and wave resistance and long service life, HDPE marine culture cages are suitable for deep sea cultures away from land-based pollution, thus minimizing culture pressure near the bay and expanding the culture area.

High Safety

Lesso HDPE marine culture cages are protected by safety guardrails and pedals, providing a safe and reliable platform for the daily operation and management of farmers and tourists.

WATER RECREATION PLATFORM



Product Description

A new type of platform that can provide a safe, stable operating surface for tourism, leisure and entertainment, as well as culture cages, waterside fishing, floating restaurants, observation platforms, yacht docks, and floating swimming pools. The water recreation platform adapts to people's needs for a leisurely living environment near the water, and is becoming increasingly popular. Tourism is becoming a pillar industry in a growing number of cities. As the tourism industry continues to develop, and people continue to pursue a higher quality of life, basic water entertainment facilities are constantly being improved upon, developing from traditional wooden foam platforms to advanced high-density plastic platforms. The plastic water platform features integrated extruded pipes, and its surface consists of a non-slip plastic pedal plane made using a knurling process, instead of the traditional foam float bucket and wooden board plane. The platform features strong wind and wave resistance, high safety and reliability, a wide application range, as well as good environmental protection and durability.

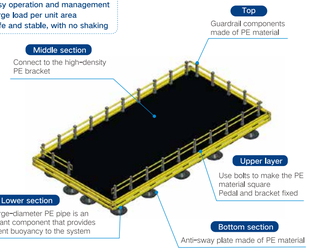
Features

- The important difference between this product and previous or similar products on the market is that the structure of the buoyancy-providing parts of the platform is completely different, as is the supporting surface of the superstructure. The porous mesh structure of the bracket not only makes the water flow more smoothly, but also avoids any ingress of waves. It is also directly connected to the pedals, so that the platform superstructure and substructure are organically combined, enhancing the wind and wave resistance of the platform. The lower structure of the platform is equipped with an anti-sway device, making it more stable and easy to use when hit by winds and waves. The upper structure of the platform also features yellow safety railings at different heights. The number of railings installed can be determined by the customer, making the platform safer, more reliable and more pleasant to look at.
- The traditional water platform has a simple structural design, consisting of buoys or pontoons, wood or steel brackets, plastic wood boards and other materials. This brings a number of shortcomings, such as weak physical structure, low bearing capacity, poor wind and wave resistance, short service life, and lower overall quality.
- Almost all parts of Lesso's water recreation platform use the same high-quality HDPE material. It features excellent wind and wave resistance due to the seawater corrosion resistance of HDPE, the flexibility of the materials its ability to allow a certain amount of deformation from the waves.

Floating bridge system, culture cage, leisure platform

Users should use appropriate anchoring systems based on local hydrological and geological conditions when using Lesso water platforms. They are suitable for installation in any area of water, and can support people living onboard, offshore agriculture, and long-term use as a temporary bridge.

- Good stress resistance, with easy operation and management
- Large load per unit area
- Safe and stable, with no shaking



System Composition

Platform System			
1 Buoyancy pipe (DN500)	2 Brackets (500)	3 Anti-sway plate	4 Bar pedals
5 Bolts, nuts, washers	6 Baffle guardrail	7 Guardrail pipe (DN63)	8 Guardrail pipe (DN75)
9 Upper cover for guardrail	10 Guardrails	11 Base for guardrail pole