

Hover Ark H3

Remote-control lifesaving buoy



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A wide-angle photograph of a tropical beach. The foreground is dominated by a vast expanse of white sand. Gentle waves with white foam wash onto the shore from the left. The water transitions from a pale turquoise near the beach to a deeper blue further out. In the middle ground, a long, narrow pier extends into the water, supporting a row of approximately ten overwater bungalows with dark, conical roofs. To the right, a small island or peninsula is visible, covered in lush green trees. The sky is a vibrant blue, filled with large, fluffy white clouds.

Product Concept

how we thought about the idea of developing Hover Ark H3

Facts about Drowning and Water Rescue



The World Health Organization claims that **372,000** people die from drowning each year on average, which equals to 1,019 people die each day in the world because of that.



Drowning causes hypoxia in 2-3 minutes, and brain cells starts dying (unregenerable) 5 minutes after hypoxia.



Water rescue is a race against time.
SPEED IS ESSENTIAL!

Advantages of Using the Hover Ark H3

1

Faster than human rescue

It has a speed of 4~6m/s running on water, which is six times faster than human swimming and also means better chances of successes.

2

Less risk for rescuers

Jumping into water to rescue the distressed can be dangerous for the rescuer, considering quite a lot of uncertainties such as water conditions.



6 times faster!

A wide-angle photograph of a tropical beach. The foreground is dominated by a vast expanse of bright white sand. Gentle waves with white foam wash onto the shore from the left. The ocean transitions from a shallow turquoise near the beach to a deeper blue further out. In the middle distance, a long, narrow pier extends into the water, supporting a row of approximately ten overwater bungalows with dark, thatched roofs. To the right, a small island or peninsula is visible, covered in lush green tropical vegetation under a bright blue sky filled with scattered white clouds.

Product Description

More details about the features and specifications

Introduction of Hover Ark H3

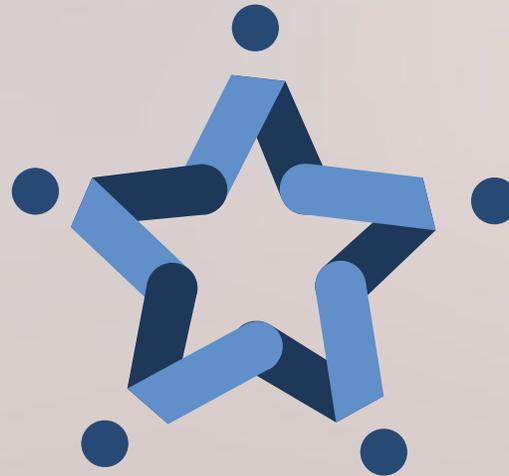


The Hover Ark H3 is a self-propelled, remote-controlled robotic water rescue device designed for use in marine and water environments. The Hover Ark not only works in calm waters, but also can get the job done by going through swiftwater, stormy waves, shores or rivers and can work even when it is turned upside down. Hover Ark H3 is designed to save lives!

Features of Hover Ark H3

6X faster than human
rescue

Remote Control up to
800m



Rescue up to 2-4 people
at a time

Resists harsh tides and
waves

Automatic return upon
loss of contact

Remote Controlled

The ability to be controlled through remote controller and a one-touch return home button are welcome additions for worldwide water rescue personnel, boating owners, operators “man overboard” and water rescue department and teams.



Lightning Speed



To reduce water casualties, speed is critical. The Hover Ark H3 can rush to the victim at a speed of 4~6m/s while returning to the rescuer with the loaded victim at 2m/s. This is 6 times quicker than human rescuing and reduces the risks involved for the rescuer also.

Can Save Many Lives

Hover Ark H3 can carry a 200kg minimum payload. It can transport 2 to 4 people or total 200kg back to shore. It has a navigation range up to an impressive 800 meters radio controlled GPS Range.



Resist Harsh Winds and Waves



The Hover Ark H3 is a powerful robotic rescue machine that can go against wind and waves in troubled waters, and can be operated even when titled upside down to reach the drowning person.

Automatic Return

By using the automatic return function, the Ark will always make sure it can return to the user safely whenever the communication signal was lost for over 15 seconds, or simply use the one-key return function.



Specifications

HOVER ARK H3 SPECIFICATIONS

RUNNING SPEED 4~6 m/s (no-load) 2 m/s (loaded)	RUNTIME 45 min	CHARGING TIME 3 h	NET WEIGHT 13 kg/28.7 lb
BATTERY 10,000mAh x 2 Lithium Battery	POWER 259Wh x 2	REMOTE CONTROL RANGE 800 m / 2,625 ft	EFFECTIVE LOAD 200 kg / 441 lb



Product Applications

See where the Hover Ark H3 is used

Target Market

- ✓ National Maritime Bureau
- ✓ Sea Rescue Squad
- ✓ Civilian Rescue Organizations
- ✓ Rescue Societies

Application Cases



Deployed in Nanshan International Kayak Open Tournament

Provided as a safety equipment for Tianjin Natual Gas Station



Application Cases



Deployed in the Exercise of Hezhou Fire Department

Demonstrated for Fire Department Rescue Squad in Sanya



Media Interview



Distributor in Czech presenting the H3 to TV Nova of Czech while Czech lifeguards were using them in their exercises.



Patents/Certifications

Fully qualified for your professional use

Registered in the US Patent and Trademark Office

Projected Publication Date: None, application is not eligible for pre-grant publication

Non-Publication Request: No

Early Publication Request: No
**** SMALL ENTITY ****

Title

RESCUE EQUIPMENT

Preliminary Class

D29

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

Patented in the EU Intellectual Property Office

Registered / Eingetragen 07/12/2018

No 005849585-0001



EUROPEAN UNION INTELLECTUAL PROPERTY OFFICE CERTIFICATE OF REGISTRATION

This Certificate of Registration is hereby issued for the Registered Community Design identified below. The corresponding entries have been recorded in the Register of Community Designs.

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Exekutivdirektor



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THANK YOU

谢谢观看