



A·Q·U·A·R·I·U·M B·U·S·I·N·E·S·S



Hanwha Hotels & Resorts

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Aquarium project

Introduction

“Creating living cultural energy that adds to the affluent life”

Hanwha Hotels & Resorts(Hanwha H&R), under the slogan “Creating living cultural energy that adds to the affluent life,” has ceaselessly pioneered the leisure and cultural project area in order to rise as a corporation providing premium leisure services.

Since November 2008, the Hanwha H&R has invested all its capabilities into large aquarium projects, making it as its new growing power, and this determination has allowed Hanwha H&R to form an aquarium belt (Ilsan – 63 Building – Yeosu – Jeju) since then. With vast experiences, techniques, excellent manpower, and a strong business networks accumulated through such projects, the Hanwha H&R has been reborn as an expert in aquarium business operation with expertise in planning, designing, constructing, operating, and supplying marine life. In the 10 years to come, the Hanwha H&R is aiming to become one of the three global aquarium operators in the world, aiming to provide the people of the world a closer marine ecosystem.

Aquarium project

Present and Future

Aquariums are indoor cultural facilities that everyone can enjoy, and do not have specific age or gender targets. Marine life as an exhibition is always sufficient to evoke interest and curiosity of the people, allowing them to come and visit with much enthusiasm. Moreover, it is also best as an educational experience that allows people to gain new knowledge.

Such infrastructure and contents not only satisfies the educational needs as well as entertainment of the local community, but also can serve the community with a new, different kind of cultural space that elevates their living standards.

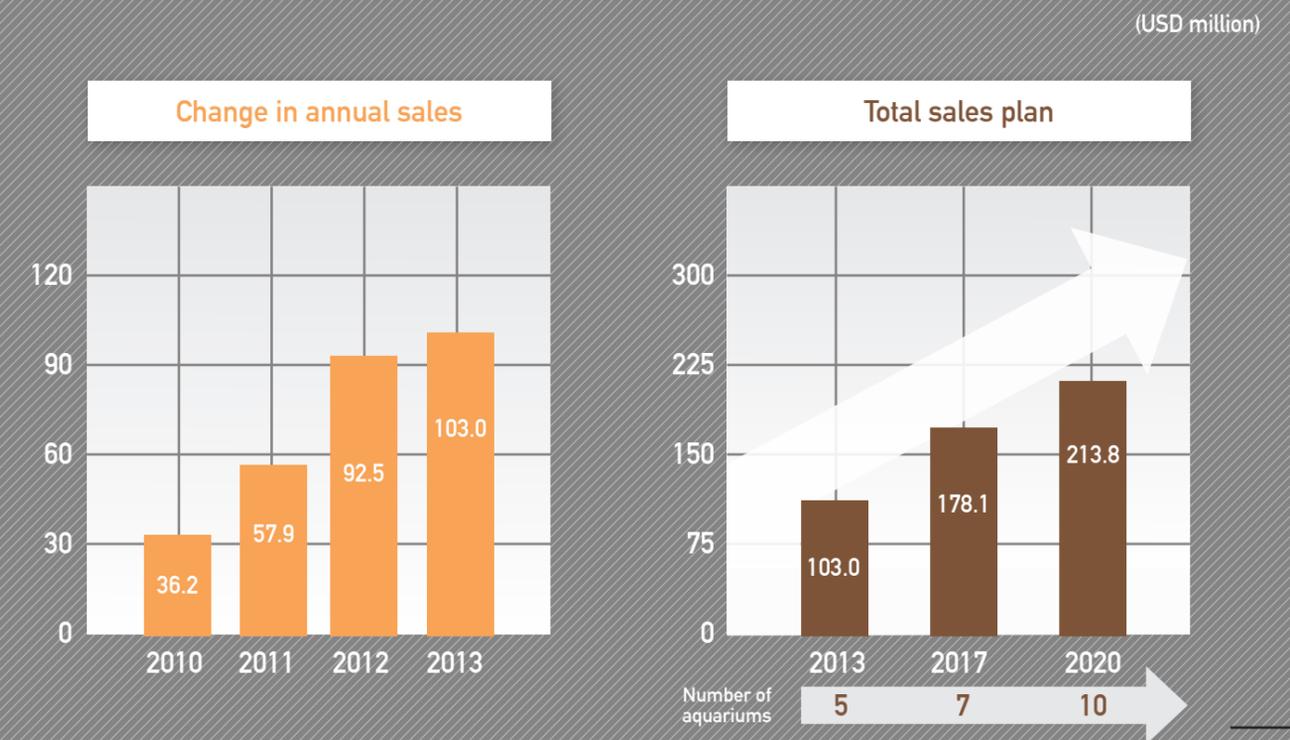
Development of the local corporations	The Hanwha H&R seeks growth of the local community and the corporation itself through cooperations and symbiotic relationships with the local corporations.
Creating job	Because an aquarium needs a variety of positions such as biologists, services, office jobs, etc., it aids to improve the employment rate of the local community.
Improving the cultural standards	Through the introduction of a new cultural experience, an aquarium presents the local community a new type of entertainment that boosts the cultural standards of the local community.

As the representative aquarium operator in Korea, the Hanwha H&R far exceeds others in operational know-how and brand reputation. Currently, the Hanwha H&R operates four aquariums and one digital aquarium. As of last year, the Hanwha H&R reached sales of one hundred billion KRW (roughly one hundred million USD), achieving 280% in growth compared to 2010. By the year 2020, the Hanwha H&R aims to expand the aquarium business in other countries, making ten in total from the current five, with a sales targets of two hundred billion KRW per year.

Total sales in 2013 (USD)		
aqua planet JEJU	10,800 ton	35 million
aqua planet YEOSU	6,030 ton	17 million
aqua planet ILSAN	4,300 ton	25 million
63Seaworld	1,000 ton	26 million

Not only it will serve its main purpose as a place to see and experience marine life, but also as a multi-complex where people can host parties, conferences, weddings, etc., developing into a new 'digital-age' aquarium with new and advanced technologies.

Aquariums, or the 'small ocean on land,' is a promising project that will grow together through time with infinite possibilities.



Aquarium project

T.A.S/Total Aqua Solution

We at Hanwha H&R have extensive and expert knowledge in various types of aquarium projects, such as consigned operations, lease operations, or direct operations, etc.; and are able to provide optimized Total Aqua Solutions that best fits our customers' needs.

Proven expertise in operation after 30 years of aquarium and cultural space operations

- Has experience in various types and sizes (1,000 to 10,000 tons) of single and multi-complex aquariums
- Low cost/high-efficiency structure and model that allows continuous profits

The capability to lead the newest trend in cultural industry

- Development of trendy exhibitions and performance contents through continuous and regular renewals, as well as performance contents
- Creation of a place where humans and other organisms can communicate

Guaranteed highest standard of customer service from operating experiences of premium hotels and resorts

- Able to provide quality service through differentiated training services for all levels and duties

Total Aqua Solution

T.A.S stands for Total Aqua Solution, a process of operating an aquarium, namely, the ability to provide the entire process of planning/designing/constructing/supplying for an aquarium by itself. The Hanwha H&R is able to provide a successful aquarium by not only providing optimized designs for the specific location, but also through large investments and operational plannings.



Business territory

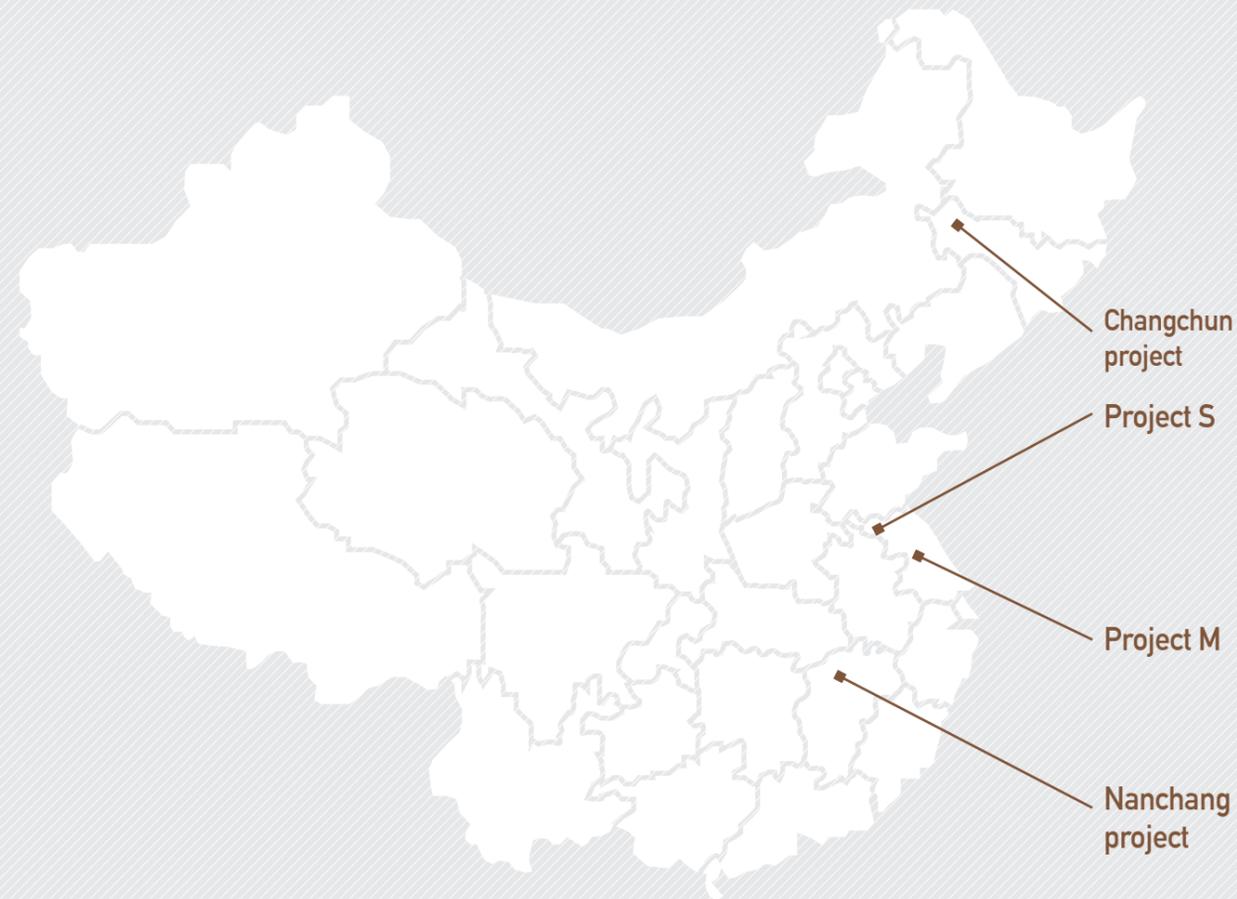
Planning:	Finding Projects/Analyzing Values/Demand Forecasting/Project Financing
Design:	Basic Design/Actual Design
Construction:	Acrylic/Electronics and Control/Display/LSS equipment
Marine life supply:	Domestic and Overseas supply/Taming and Training
Operation:	Consignment/Marketing/Management/Maintenance



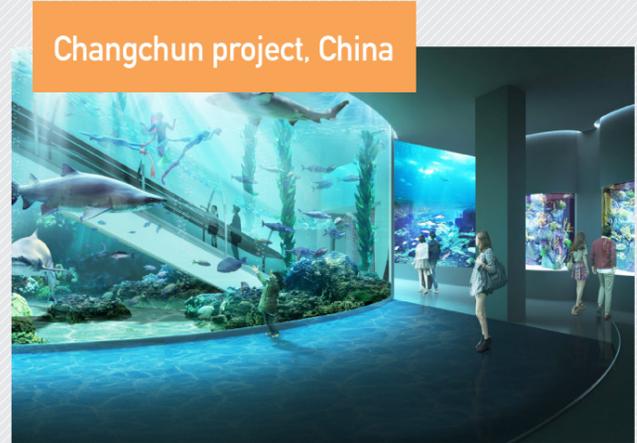
Portfolio
 Overseas project
 Domestic project

Portfolio

Overseas projects · Order contracts made



Area of participation	Entrusted operation, Design/Construction advisory, Supplying and Training marine animals
Location	Wanda Culture and Tourism Center in Nanchang province
Scale	Approx. 15,000 tons
Opening date	May 2016
Major exhibitions	Whale sharks, Bottlenose dolphins, Sand tigers, Sea lions, Seals, Manatees, etc.



Area of participation	Entrusted operation, Design/Construction advisory, Supplying and Training marine animals
Location	OUYA mall
Scale	Approx. 1,300 tons
Opening date	October 2015
Major exhibitions	Sand tigers, Seals, Sea-lions

The Hanwha H&R currently has ongoing aquarium projects in various parts of the world, including China, Azerbaijan, and Vietnam. Our latest focus has been on China, and we aim to expand our business in North America and Europe in the near future.

Other ongoing projects

Project name	Project S, China	Project M, China
Area of participation	Consignment/Planning & Construction advisory / Supplying marine organisms	Consignment/Planning & Construction advisory / Supplying marine organisms
Location	Department store, S city, Jiangsu province	M city in Jiangsu province
Scale	Approx. 1,700 tons	Approx. 3,000 tons

Portfolio

Domestic projects · Order contracts made



63 Seaworld



Located in Yeouido's 63 Building, the center of western Seoul, is the first and foremost aquarium in Korea.

Opened in	1985
Type	Indoors, Multi-complex
Gross area	4,676 m ²
Aquarium water quantity	1,000 tons
Major exhibitions	Sea-lions, Harbor seals, King penguins



aqua planet YEOSU



Located in Yeosu's Marine Expo, the aquarium had more than 2.5 million visitors during the Yeosu Expo in 2012. With a domed construction of the main water tank, it allowed visitors to see the exhibitions from various perspectives, with natural lighting that would be helpful to the marine ecosystem.

Area of participation	Planning/Design/Construction/Operation
Opened in	2012
Type	Single unit
Gross area	16,400 m ²
Aquarium water quantity	6,030 tons
Major exhibitions	Beluga whales, Baikal seals, etc.

Portfolio

Domestic projects · Order contracts made



aqua planet JEJU



Aqua planet JEJU is the largest in Korea, with an international-class panel tank (23m x 8.5m) and a performance arena. It contributes greatly to the local marine life through operation of medical centers, as well as marine life conservation and development.

Area of participation	Planning/Design/Construction/Operation
Opened in	2012
Type	Single unit
Gross area	25,600 m ²
Aquarium water quantity	10,800 tons
Major exhibitions	Sea elephants, Bottlenosed dolphins

aqua planet ILSAN



The first convergence-type (combination of a zoo and an aquarium) of aquarium in Korea, the aqua planet ILSAN not only has deep sea organisms, sea-lions and harbor seals, but also land predators such as jaguars.

Area of participation	Planning/Design/Construction/Operation
Opened in	2014
Type	Single unit
Gross area	14,600 m ²
Aquarium water quantity	4,300 tons
Major exhibitions	Sea elephants, Jaguars and Birds

Portfolio

Domestic projects · Order contracts made



Pangyo Digital Aquarium



The first of its kind in Korea, the Pangyo Digital Aquarium is a place where experience comes first through operation of various types of digital programs that bring deep sea life much closer to visitors.



Area of participation	Consigned operation
Opened in	2012
Type	Indoors, Multi-complex
Gross area	2326.56 m ²

Other projects & history

- 2016 Opening of Nanchang Aquarium (Expected date)
- 2015 Changchun Aquarium (Expected date)
- 2014 Opening of aqua planet ILSAN
- 2012 Opening of iQuarium (Digital aquarium)
- Opening of aqua planet JEJU
- Opening of aqua planet YEOSU
- 2011 Opening of Jade Garden
- 2004 Opening of Jade Palace Golf Club
- 2003 Opening of 63Wax Museum
- Opening of ROYAL SADDLE
- 1986 Opening of SEORAK WATERPIA
- 1985 Opening of 63Seaworld
- 1979 Foundation of Hanwha Hotels & Resorts



Other projects

Hanwha Hotels & Resorts is also engaged in operations of other various cultural projects other than aquariums such as F&B and resort, hotels, and is the first leisure-driven corporation that has the largest number of direct-operation condo chains and golf resorts in Korea.

Other project areas

Resort/Hotels	Has the largest number of accommodation scale (4,824 rooms), as well as five-star hotels
Restaurants & F&B	Operates business/high-end restaurants, and is involved in F&B logistics.
Other leisure structures	Cinerama, Theme parks such as the Spring-dome in Gyeongju, and also operates various types of golf resorts, horseriding courses, etc.



Hanwha Hotels & Resorts homepage

<http://www.hwrc.co.kr>

Aqua planet homepage

<http://www.aquaplanet.co.kr>

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