

Aoshan Bay Ocean City Master Plan

Area: 550.980 sqm Year: 2015

Developer: Public

Role: Designer/ Team leader/ Management

Stage: 0 / 1 / 2 / 3 / 4 / 5 / 6 / 7

3rd prize at international contest held in October 2015, to define the development of Aoshan Bay Ocean City in Qingdao. Our design was structured around 4 limits:

A urban connection to west.

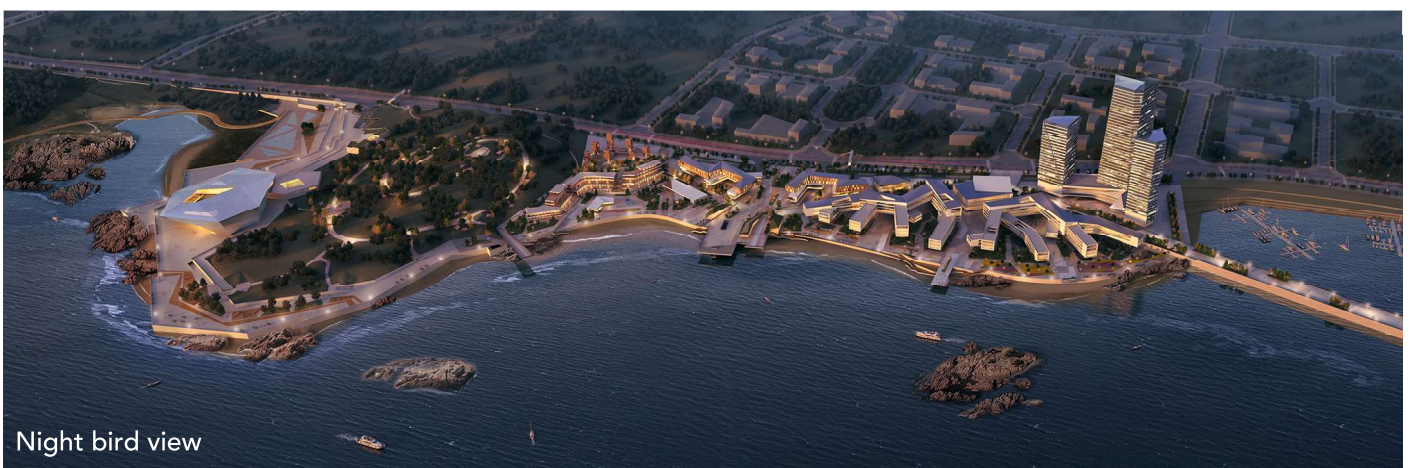
An enhancement of economic possibilities at business and trade area at north

A cultural and recreational area around a forest park to the south.

A charming area for sport and leisure activities along the east coastal line.

经济技术指标表

总用地面积	550980.00m ²
总建筑面积	528615.40m ²
地上建筑面积	402215.40m ²
其中	
商业区	176973.70m ²
海洋产业区	117422.00m ²
艺术休闲区	14105.00m ²
海洋科技展览区	40420.00m ²
旅游度假区	63294.70m ²
地下建筑面积	126400.00m ²
容积率	0.73
绿地率	43.5%
建筑密度	15.20%
停车位	3200个
其中	
地上停车位	200个
地下停车位	3000个



Night bird view

Ocean & Science Museum

Area: 51.740 sqm Year: 2015

Developer: Public

Role: Designer/Team leader/Management

Stage: 0 / 1 / 2 / 3 / 4 / 5 / 6 / 7



"A museum about marine life and science should be like a fantastic trip to discover the knowledge!" That was the idea proposed by our design director.

So we decided to create an iconic shape that can be seen far from land and sea, resembling an industrial construction like a drilling platform or a submarine coming out of water.

A scientific object made to explore the seas.

The design considered not only the museum but also the surrounding area: access from the road, coastal line, and the mountain forest.

Rock platforms carry you until the entrance under a flying building.

The shape was generated from simple volumetric transformations: elevation, void, displacement, addition. All of them with the aim to create a series of connected outer and inner rich exhibition spaces.





Facade concept design

Main features explained through cross section

Interior configuration: Different platforms and voids create a pedestrian circulation system that can be continuously adapted to exhibition requirements, so that the museum can always be reorganized.

Building's envelope: A fabric that looks like a submarine from the distance, but like fish scales when you get closer. This organic skin can be used to filter natural ventilation, stop air infiltration, or use the sun to provide light, heat, and energy, thanks to the use of windows and PV panels. Rain water harvesting is also considered from envelope to water tanks in the underground.

