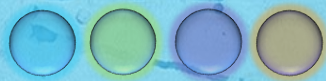


Modern aquarium exhibit  
in tight space

# Aqua Logo Engineering

New projects  
in Novosibirsk  
and St Petersburg





# About Aqua Logo Engineering



Since 2006 Aqua Logo Engineering is specialized in design, construction and maintenance of Public Aquariums, Exotariums , Zoo exhibits, as well as Fountains, green walls and other objects of eco-design.



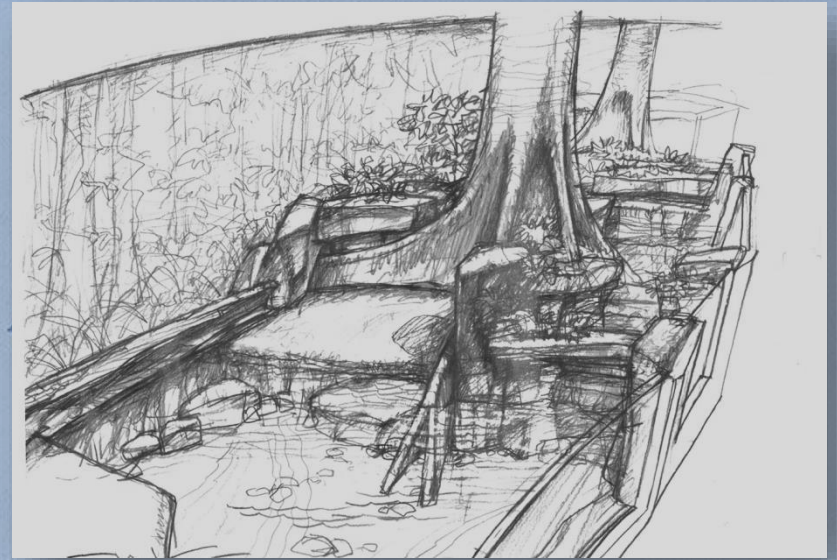
# About Aqua Logo Engineering



We are Russian based turnkey constructors of  
Public Aquariums, Exotariums and Zoos.



# About Aqua Logo Engineering



**We provide: concept design; concrete, acrylic and waterproof works;  
LSS supply and installation.**



# About Aqua Logo Engineering

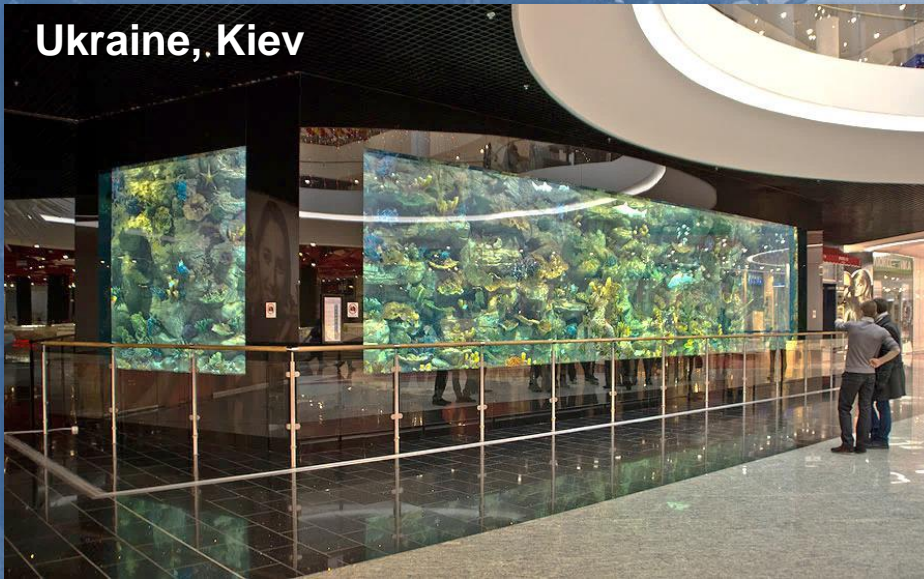
Kazakhstan, Almaty



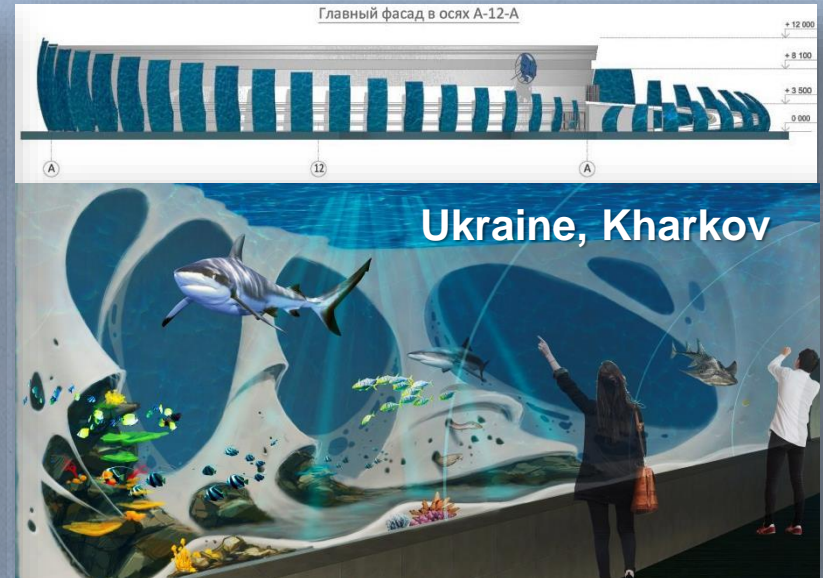
Azerbaijan, Baku



Ukraine, Kiev



Главный фасад в осях А-12-А



Ukraine, Kharkov

Our projects are implemented in different cities and countries.



## Exhibition in tight space



The creation of a modern aquarium exhibition in a tight space is a usual situation and a forced measure. Often we do not have enough space, budget and time.

- The problem of tight space we have in megalopolises with dense buildings in the center.
- The problem of funding is usually topical for small towns.
- Tight deadlines are a principle matter for the Customer.



## Exhibition in tight space



In many zoos (not only in Russia), there are old buildings or parts of them which are not used for their initial purpose or require substantial renovation. But on the other side, they have a cadastral passport and engineering networks, which are suitable for them.



## Exhibition in tight space

### Novosibirsk Zoo. Reconstruction



### Moscow Zoo. Reconstruction



Not every Zoo or Aquarium have enough space and funding for a large new exhibition. Anyhow, we can create an impressing and nature friendly exhibition using pre-existing buildings.



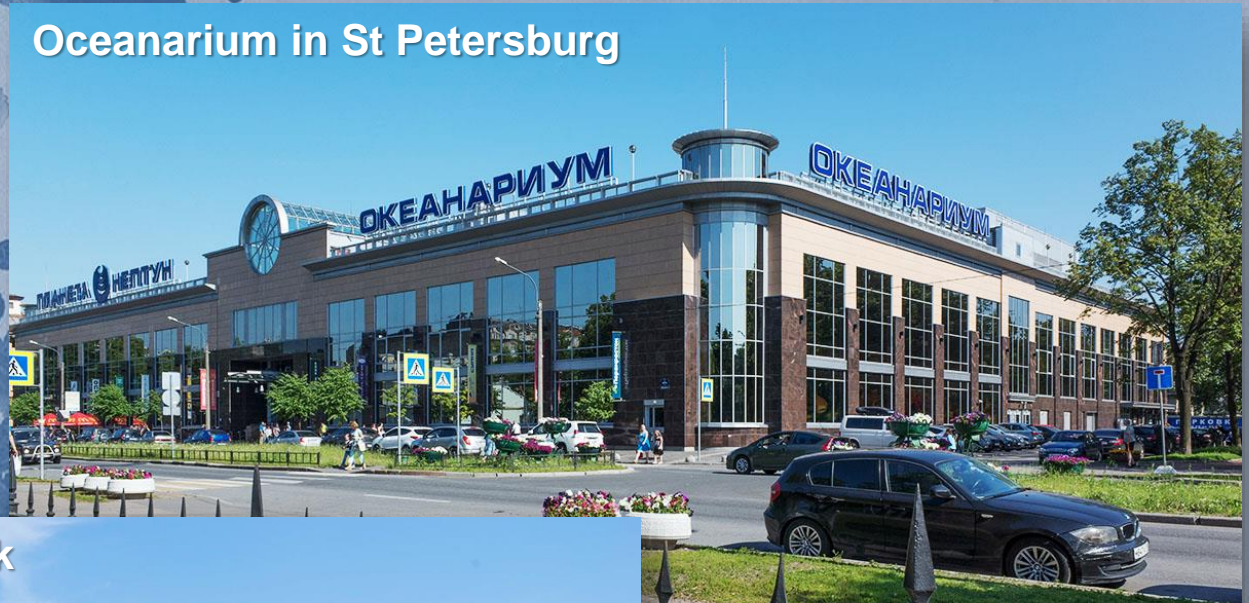
## Exhibition in tight space



But the challenge is to find space not only for the view aquariums or enclosures but for technical room as well. Also we need to create for public the impression of something really exciting in a very small space.



Oceanarium in St Petersburg



Oceanarium in Novosibirsk



Let`s have a short glance to new exhibits in existing buildings by Aqua Logo Engineering - Oceanarium in Novosibirsk Zoo and Baltic exhibit in St Petersburg oceanarium.



# Oceanarium in Novosibirsk Zoo



In Novosibirsk we managed to create modern public aquarium in the dolfinarium building for a budget of 3 mil euro at 2000 sq.m.



## Oceanarium in Novosibirsk Zoo



The exposition was built in the basement of the dolphinarium, which was originally planned only to accommodate communications. It was a hall of about 1000 sq.m, 6 m high.



# Oceanarium in Novosibirsk Zoo

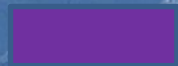
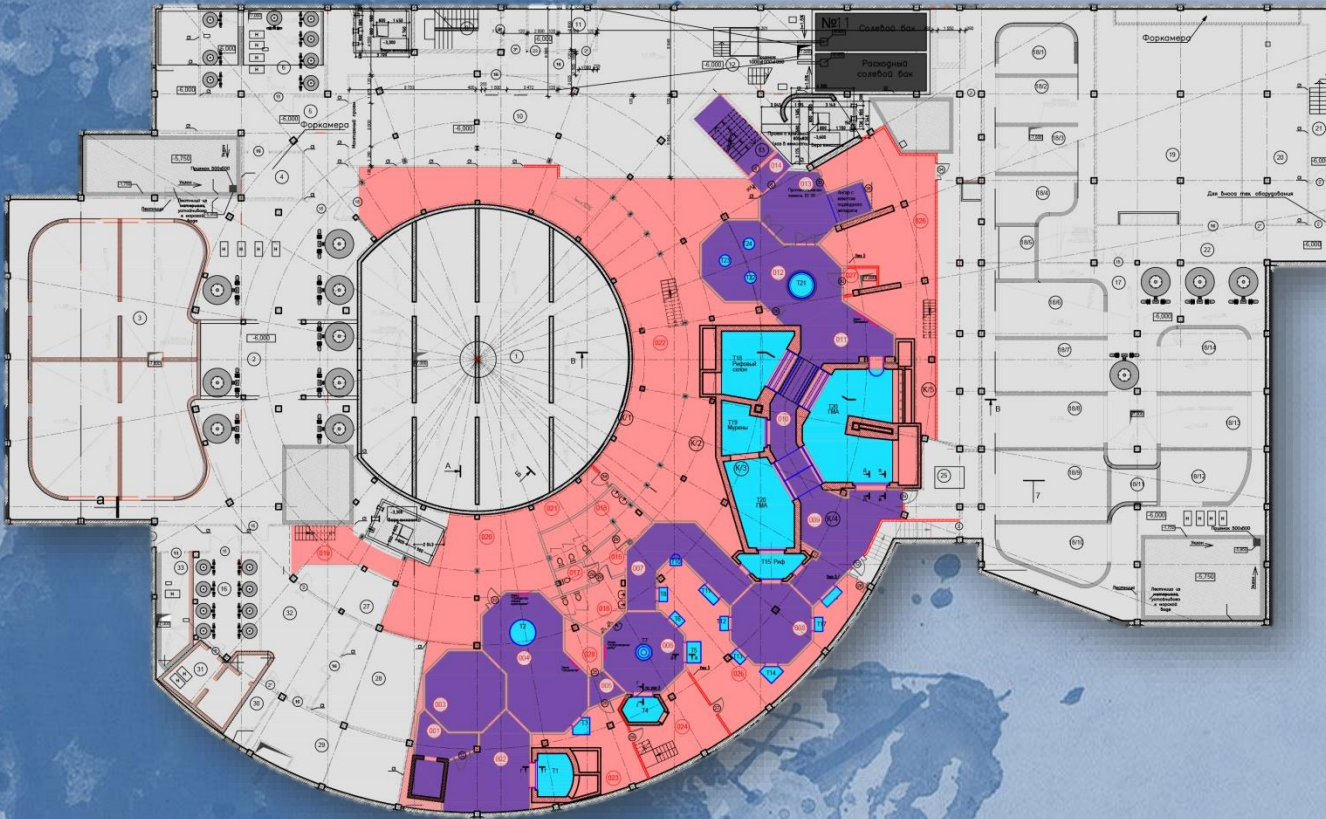


Using the 6 m height of the room, we created a technical level, which is above the visitors area, to organize space for LSS as well as for stuff, laboratory and quarantine.

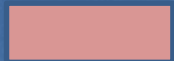


# Oceanarium in Novosibirsk Zoo

Level -2. Total area 1000 sq.m. Visitors area- 400 sq.m.



-Visitors area.

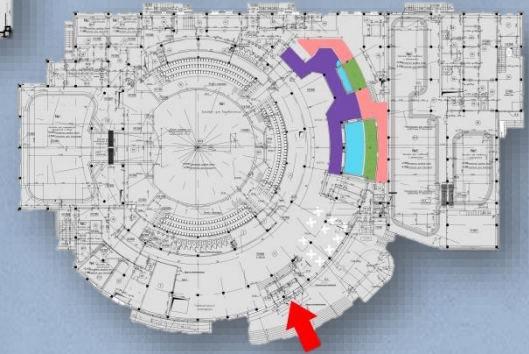


-Technical area.

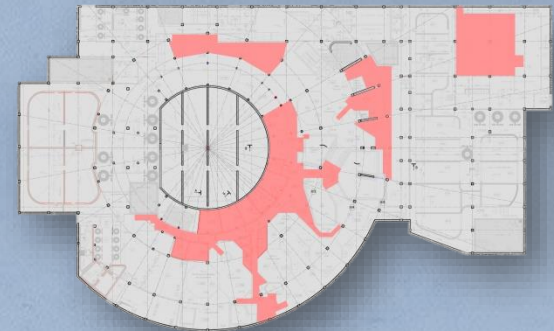


-Exhibition area.

Level 0. Entrance to Oceanarium from Elevator  
Total area 350 sq.m.



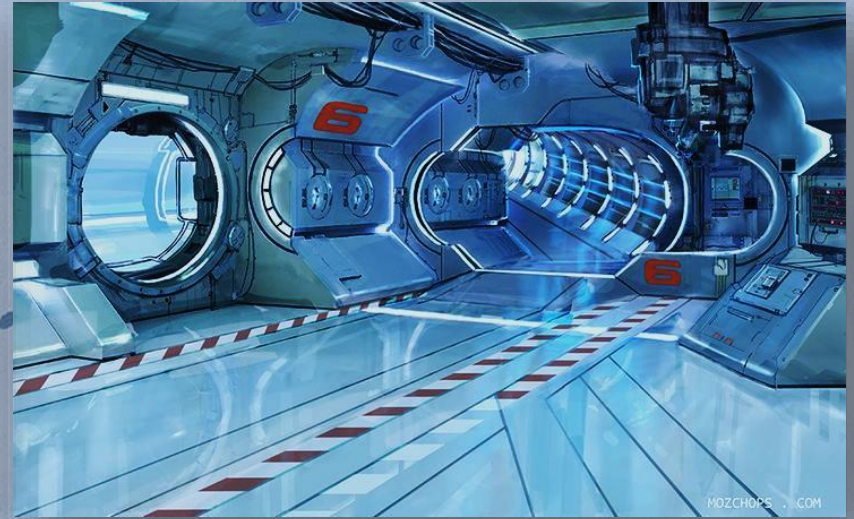
Level -1. Technical area.  
Total area 550 sq.m.



All the work from initial design to Grand opening was completed in 10 Months!



# Oceanarium in Novosibirsk Zoo



Oceanarium Design Idea - Underwater Research Station.



# Oceanarium in Novosibirsk Zoo

Sketch



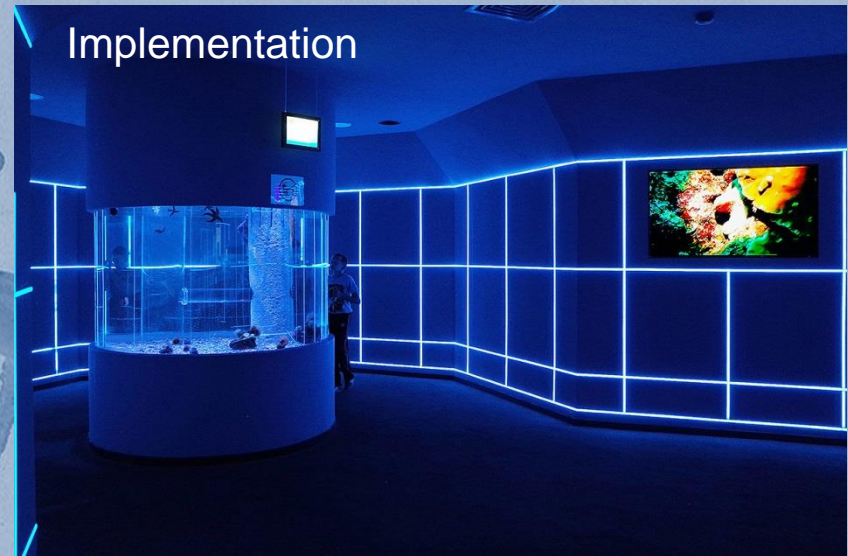
Sketch



Implementation



Implementation



As our oceanarium was situated in the basement, accessible by elevator, we designed it as a underwater station. Wall mounted displays and aquariums created colourful accents on blue walls.



# Oceanarium in Novosibirsk Zoo



This design has transformed tight territory into some sort of adventure zone.



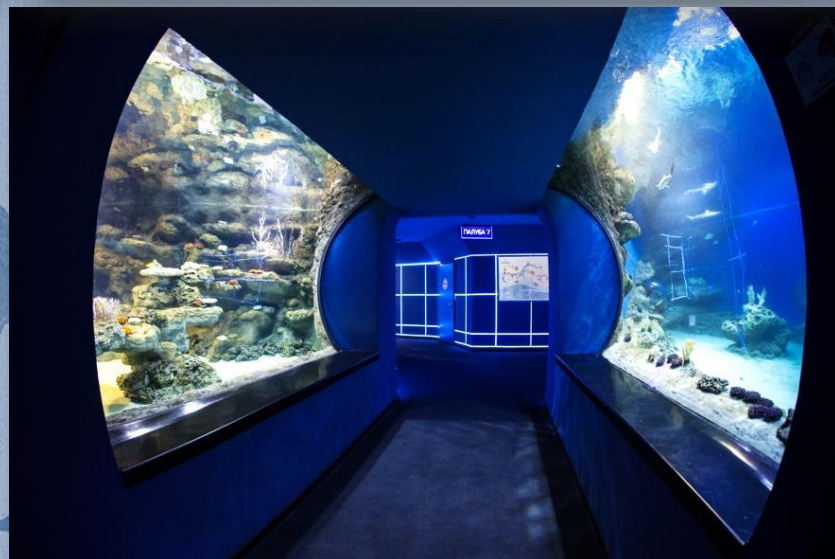
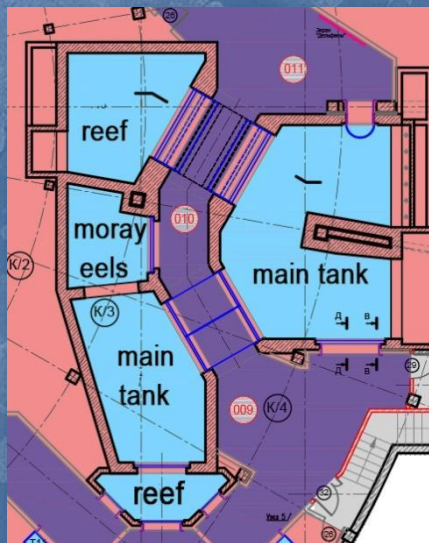
## Oceanarium in Novosibirsk Zoo



In the species list the accent was made to rear creatures, including cold water ones, that can easy live in rather small tanks.



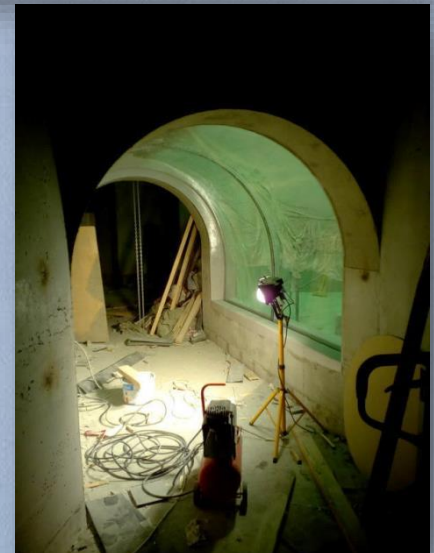
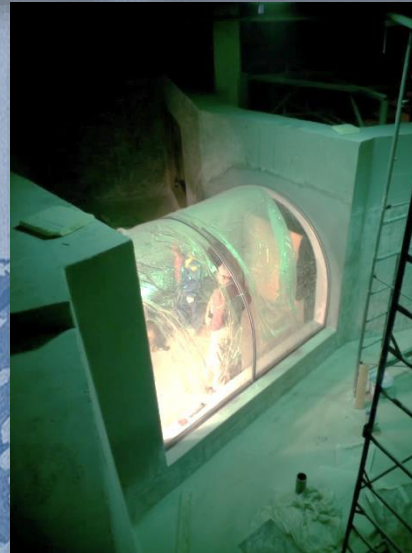
# Oceanarium in Novosibirsk Zoo



To make the main tank looking bigger and to put predators and prey close to one another, we have built two small tanks for reef fishes and for moray eels close to the tunnel looking as if it is parts of main shark-tank.



# Oceanarium in Novosibirsk Zoo



One of the main difficulties was finding space for main tank and tunnel between the load-bearing columns of the building. The 800 kg tunnel sections could be transported along the basement corridors only manually. All the tank concrete walls were separated from the columns.



## Oceanarium in Novosibirsk Zoo



At the end of the exhibit we have some enclosures upstairs, with natural lights, including the one with Baykal seals.



# Baltic exhibit in St Petersburg oceanarium





## Baltic exhibit in St Petersburg oceanarium



At the beginning of 2018  
in St-Petersburg  
we renovated  
an old seal - watching room,  
adding new approach  
and new design  
to well known attraction.

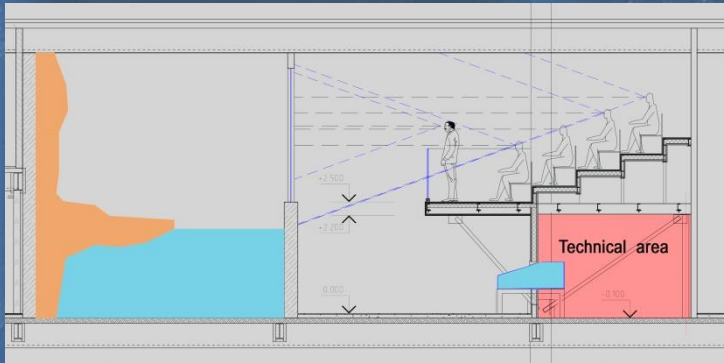
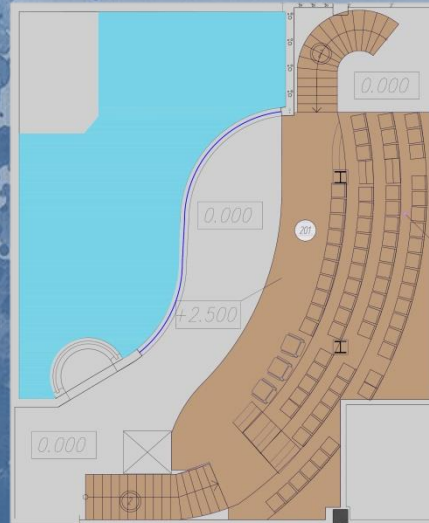




# Baltic exhibit in St Petersburg oceanarium

Level 1. Total area 150 sq.m.

Level 2. Total area 85 sq.m.



The general idea was to add second floor to the hall by adding a tribune for seal watching, creating a new territory for cold water aquariums underneath. To do this we had to follow very difficult restrictions on maximum weight. Also we need to produce all the works in a very quiet way not to disturb the seals.



## Baltic exhibit in St Petersburg oceanarium



After demolishing of old walls, we installed the metal tribune structure.  
To economize space we included a curved staircase.



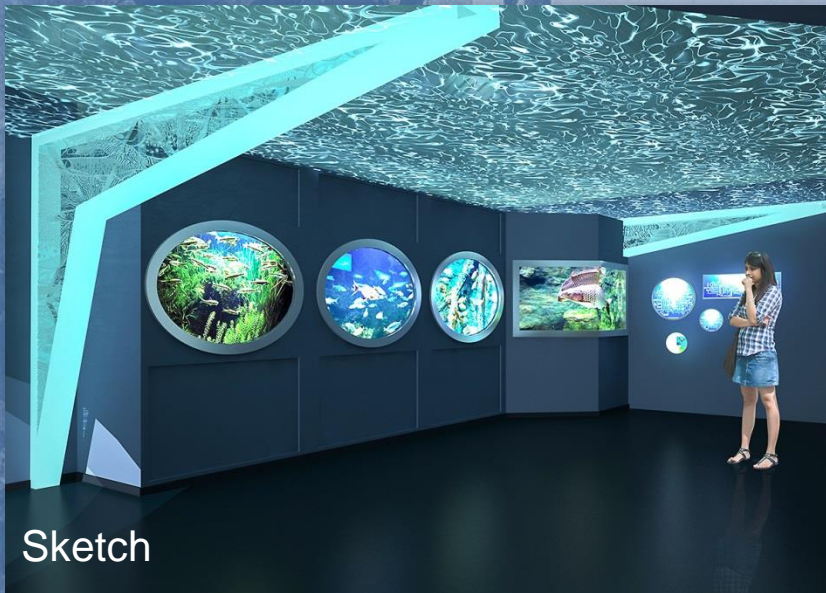
# Baltic exhibit in St Petersburg oceanarium



Into this new space we have placed 7 aquariums for marine and freshwater fishes of Russian North-West.



## Baltic exhibit in St Petersburg oceanarium



All details of the structure were hidden by painting and lightning panels.



# Conclusions

This presentation demonstrates that the existing restrictions are a challenge for professionals such as our company. However, the team work and creative approach of our specialists, such as architects, designers, ichthyologists and technologists allow us to create successful projects that satisfy the basic requirements:

- creating favorable conditions for animal life;
- creating the necessary conditions for staff;
- creating an interesting and comfortable space for visitors.

In addition, these solutions allow to optimize the project budget, which is important for customers in any country.

## Thanks for attention!