

## **Husbandry in Primorsky Aquarium: Motion to the Purpose**

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The Scientific and Educational Complex «Primorsky Aquarium» is a part of the National Scientific Center of Marine Biology, the Far Eastern Branch of the Russian Academy of Sciences. Main building designed in shape of shell has total interior space exceeding 37,000 m<sup>2</sup>. 135 tanks of the Aquarium's nine permanent exhibits hold more than 25,000 m<sup>3</sup> of water. Primorsky aquarium is home for representatives of all oceans and the climatic zones of the Earth. It is about 500 species. They are kept in quarantine in the Scientific-and-Adaptation facility (SAF) tanks before moving into the Aquarium's exhibits. It is supports the work of the Main building across the board providing complex solutions of the problems such: adaptation, quarantine and breeding. It includes all crucial services such as veterinary, ichthyopathology and hydrochemistry labs. Capacity of the SAF allows if it's necessary place the animals and make reconstruction of any exhibitions of the Main building. SAF's structure provide optimal zoning for adaptation and quarantine: warmwater hall (water temperature from 20 to 25°C), coldwater hall (water temperature from 10 to 16°C) and ultracoldwater room (water temperature from 5 to 8°C). Infrastructure of SAF presumes freshwater and marine water in each hall. Besides halls with tanks SAF includes separate ornithology room for penguins(for Humboldt penguins quarantine), greenhouse (plants stock and quarantine for the Tropical Rain Forest Exhibit), algological facility for the kelp forest tank and livefood (artemia, daphnia, mysida, rotifers, microalgae).SAF was built for 3 years earlier than Exhibition building. This made it possible to train qualified aquarium staff and prepare all exhibitions for opening.