

URBAN CONCEPT OF AIRPORT PLACEMENT ON THE ARTIFICIAL ISLANDS

For the last decade the idea about building on the artificial islands have become quite common and it's implementation have been more technological. Every year artificially create new islands, where later appear urban settlements e.g. province Flevoland (Holland); Palm Islands, an archipelago «The World» (Dubai, UAE); racing tracks on Notre Dame Island (Canada); complex transportation facilities such as an aqua line over Tokyo Bay (Japan); bridges and tunnels like Peberholm Island (Denmark); airports and others.

The first of airports was «Kansai International Airport» (Japan), built in Osaka Bay on an artificial island area of 11 square km. during the 1994-2007. In 2015 in the Black Sea was commissioned airport «Ordu-Giresun» (Turkey).

In the world practice there are about ten airports, whose building on artificial islands was associated with solving problems about moving passengers and cargo to and from the mainland. In most cases it was accompanied with creating new organizations, reorganization and upgrading of existing transport systems of inhabited locality which located on a coastline.

Part of artificial islands located at a significant distance from the coastline (e.g. 5 km – «Kansai International Airport» (Japan), 6 km from one side and 1.5 km from the other side – «Macau International Airport» (China); the others located more close to the coastline (e.g. «San Francisco International Airport», USA, airport «Ordu Giresun Havalimani», Turkey). For the organization of transport connections with the mainland nowadays are developing and implementing variety of solutions such as: Road bridges («San Francisco International Airport»), Automobile and railway bridges («Kansai International Airport»), Ferries («Chek Lap Kok Airport», Hong Kong) and others. In 2003 in «San Francisco International Airport» was opened extension of BART commuter underground line. It allowed to passengers to change commuter trains that run around the San Francisco Bay and thereby it makes possible to easily get to the desired point of city agglomeration. At the airport areas on the islands are often placed public buildings: Library («San Francisco International Airport»), Museums (Museum of Aviation named Louis Turpen, «San Francisco International Airport»), Hotel (Hotel Nikko, «Kansai International Airport»; Regal Airport Hotel, «Chek Lap Kok Airport»), and between terminals run various vehicles (AirTrain, «San Francisco International Airport»). All of this, in its turn, affect not only on planning decisions of island airports, and also on the urban areas of the continental organization. Several types of transport connection are the result of optimization of processes which associated with the movement of different categories of passengers, cargo and mail; and searching for new forms of investment attraction etc.