

عنوان مقاله:

CONSTRUCTION OF ARTIFICIAL ISLANDS BY USING STEEL CYLINDERS (CASE STUDY: HONG KONG-ZHOU-MACAO BRIDGE)

محل انتشار:

سیزدهمین همایش بین المللی سواحل، بنادر و سازه های دریایی (سال: 1397)

تعداد صفحات اصل مقاله: 2

نویسندگان:

Khaled Pourali - *Faculty of Marine Technology, AmirKabir University of Technology, Tehran, Iran*

Mohammad Javad Ketabdari - *Faculty of Marine Technology, AmirKabir University of Technology, Tehran, Iran*

Arno Petrosian - *Faculty of Marine Technology, AmirKabir University of Technology, Tehran, Iran*

خلاصه مقاله:

Artificial islands refer to islands that are created by humans in aquatic environments without the involvement of natural agents. Construction of artificial islands may perform with goals such as extracting oil and natural resources, military, development of ports and coastal towns and for entertainment purposes. In this research, a new method for constructing an artificial island has been investigated. In this method, the large diameter steel pipes create a temporary dam against the water and wave forces. Building the island inside the enclosed area is the next step. Therefore the issue that has been addressed in this leading research is human advancement in coastal areas and nearcoastal areas by construction of artificial islands. It is possible to encourage governments and countries into the construction of such structures. For example, the countries of the southern margin of the Persian Gulf, such as Bahrain, Qatar, Oman and the United Arab Emirates, have been brought to the construction of artificial islands, due to the shortage of coasts and withdrawals from the single product economy [1]. Because of the increase in the population of China to facilitate the flow of citizens and the link between the two cities of Hong Kong and Zhou Macau, [two artificial islands as two spans of the submarine tunnel have been used [2

کلمات کلیدی:

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