

Defining a Design and Planning Framework for Coastal Port-Cities According to the Passive Defense Strategy

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Abstract

Due to economic nature and transit and tourism roles, coastal cities are always vulnerable to enemy attacks. On the other hand, ports are considered the beating heart of this cities, hence, are more likely to be in the focus of enemy attacks. Passive defense, however, is an effective strategy that acts on the basis of having the least damages and enforcing the greatest policy impacts. Using the above strategy, it is possible to reduce the risk levels and damages caused by the invasion on ports and marine facilities in coastal cities.

For the purpose of awareness of this importance, through analytical assessments and applied techniques in this manuscript, a design and planning framework is provided to promote the implementation of an effective passive defense to a great extent. There is hope that the framework provided by this study, be implemented in different scope of the design, port planning and marine facilities through techniques notably camouflage, concealment, dispersion, and immunization operations.

Keywords: Coastal Port-Cities, Naval Battle, Passive Defense, Design and Planning Framework.
