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Water Waves - A Source of Clean Energy*

[1]Marian KOPCZEWSKI and [2]Grzegorz WISNIEWSKI

[1]Land Forces Academy, POLAND

[2]The International University of Logistics and Transport in Wroclaw, POLAND

Correspondence should be addressed to: Marian KOPCZEWSKI, marian.kopczewski@awl.edu.pl

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Abstract

The constantly developing world economy needs the energy necessary for the socio-economic development of the countries that constitute it. Easy access and low extraction costs determine the choice of energy source. The exploitation of high-energy deposits of energy raw materials is at such a high level that we are in danger of completely exhausting them. Concern for the state of the environment, which is directly influenced by the use of non-renewable energy resources, has resulted in a focus of interest in renewable energy sources. The authors used theoretical research methods, including: analysis of content and source documents, including reports and statistical data, synthesis, generalization and conclusions. The aim of the article is to demonstrate that in times of global energy crisis caused by the depletion of oil, gas and coal deposits, new technologies mark the beginning of a long road to taming the sea and its waves as a source of clean energy. The article will complement the critically assessed scientific works carried out so far on this topic in terms of their universality, as well as the identified gaps in relation to the use of sea waves for the needs of humanity, in terms of energy.

Keywords: Energy, Sustainable Development, Ergonomics, Ecology

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