

Intelligent Cost of Foldable Containers for Water Plants





Overview

Will foldable containers be less expensive in the future?

Currently, foldable containers with lower production costs have been designed in several studies. Moreover, when foldable containers can be produced on a large scale, their purchasing cost can fall. It is expected that foldable containers will be less expensive in the future. Third, an experiment has been conducted on the transportation cost.

Are foldable containers economically viable?

In order to examine the economic viability of the developed foldable container as compared to a standard 40-ft high-cube container, cost analysis is performed for an example route, i.e., the Busan-Vostochny-Moscow route (Fig. 10), which involves both inland and maritime transportation.

Why should you choose a foldable container?

But on the way back with the empty condition, the foldable container could deliver cost reduction up to 35.6% compared to the standard container. Furthermore, the longer the period of storage and transportation in empty state, the greater the benefit of the foldable container.

How much does a standard container cost?

The purchasing price of a standard container, which is amortized for a year, is 946USD per container for a shipping company while that price of a foldable container is 1,892USD per container. 5.2.1. Experiments on Models 1 and 2 Experiments are conducted to compare the cost of using standard containers with that of using foldable containers.



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