

High-efficiency bid for folding containers





Overview

Could a five-in-one foldable container design boost efficiency?

A five-in-one foldable container design certified by the International Geneva-based International Standard Organization (ISO) could boost efficiency and transform the carriages of empties, claims Florida-based Compact Container Systems (CCS). The SeaFold container opened out and stacked Credit: Compact Container Systems.

What are the benefits of a foldable container?

Using the newly developed foldable container can not only significantly reduce logistics costs, but also bring positive environmental impacts such as reducing greenhouse gas that may have arisen from transporting bulky empty containers. Also the foldable container influences social aspects such as noise pollution, local development and employment.

How can a foldable container reduce the cost of storage?

The satisfaction of such conditions and the eventual adoption of the foldable container by the market would reduce the operation costs by 50% to 60% , the storage space in yard and depot by 80% and CO 2 emissions by 20% [8, 12].

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.



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