

Efficient Cost Analysis of Foldable Containers for Tourist Attractions



Overview

We analyze the effects of foldable containers using a newly developed multi-port and multi-period container planning model. This study seeks to explore the effectiveness of employing foldable containers (FLDs) in liner shipping to reduce relocation and the empty containers and bunker costs (BCs). Therefore, foldable containers seem an attractive option from the point of view of saving transport costs as well as handling. Foldable containers are considered an effective solution to deal with the endemic imbalance in the repositioning of empty containers. The mixed integer linear programming model is used to compare the total transportation cost whether install fold/unfold equipment or not.

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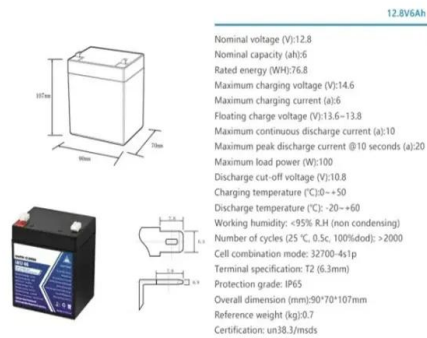


[Foldable Containers: a New Perspective on Reducing Container](#)

In this paper we analyse why previous initiatives for foldable containers failed and discuss the conditions required for successful commercial applications.

[Foldable Containers to Reduce the Costs of Empty Transport? A Cost](#)

The costs and benefits of using foldable containers in these logistic concepts are calculated and compared with the situation in which standard containers are used.



[Economic Analysis of Foldable Containers on the Jeju-Mokpo ...](#)

Considering all of the advantages that foldable container technology offers, it should be advisable to analyse and evaluate the potential application of foldable containers for Jeju - Mokpo container route ...

[An Empty Container Reposition Study with Foldable Containers](#)

key factors for the sustainable and steady development of international trade. Empty container reposition not only wastes a lot of container resources, but also causes the increase of container transportation ...



[Efficient Cost Analysis of Foldable Containers for Tourist Attractions](#)

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 ...



[ECONOMIC BENEFITS OF DEPLOYING FOLDABLE](#)

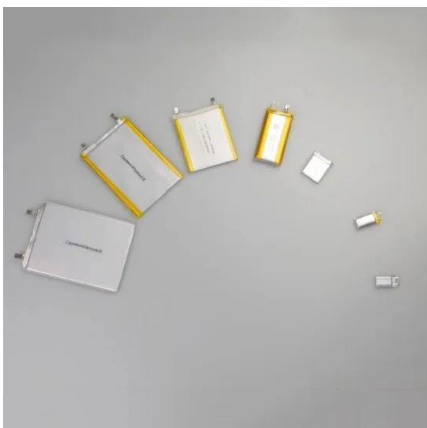
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Some container carriers may use foldable containers (FLDs), such as four-in-one designs, instead of standard containers (STDs), in order to minimize the costs associated with relocating empty containers.



[ANALYZING THE EFFECTS OF USING BOTH FOLDABLE AND...](#)

We analyze the effects of foldable containers using a newly developed multi-port and multi-period container planning model. The proposed model is a large-scale optimization problem, for which we ...



[Do Foldable Containers Enhance Efficient Empty Container](#)

This study considers the empty container repositioning problem of shipping companies that use standard and 3-in-1 foldable containers with more advanced designs. A mathematical model ...



[Efficient Cost Analysis of Foldable Containers for Tourist Attractions](#)

Are foldable containers a good investment? Despite high purchase costs and the additional folding and unfolding costs of foldable containers, foldable containers have advantages in the reduction of ...

[Design and Cost-Effectiveness of 5-Tier Foldable Container](#)

The presented foldable container passed the tests for international certifications ISO 1496-1 and CSC required for its application on site. Differently from the 4:1 folding ratio adopted by ...



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