

Cost-effectiveness of single-phase folding container





Overview

Why are foldable containers so expensive?

In the short term, the use of foldable containers is expensive because of the high costs involved in production and the operational costs of foldable containers compared with standard containers. This confirms the claim that the initial market price and the costs of folding and unfolding foldable containers are quite high (Konings and Thijs, 2001).

Are foldable containers better than standard containers?

Although foldable containers have been introduced to overcome standard container issues, there are some disadvantages involved with them. However the benefits of foldable containers over standard ones cannot be underestimated when considering the escalating volume of empty containers and the costs involved in repositioning them.

Are foldable containers a cost savings option?

For the maritime leg of container transportation, the use of foldable containers in liner shipping networks with high trade volume imbalances can generate substantial cost savings in container fleet management (Shintani et al., 2012).

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.



Cost-effectiveness of single-phase folding container



[\(PDF\) Economic benefits of deploying ...](#)

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) associated with ship

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

There is little doubt that the requirement to reposition empty containers is one of the more persistent problems in the container transport industry, and is a key factor in cutting ...

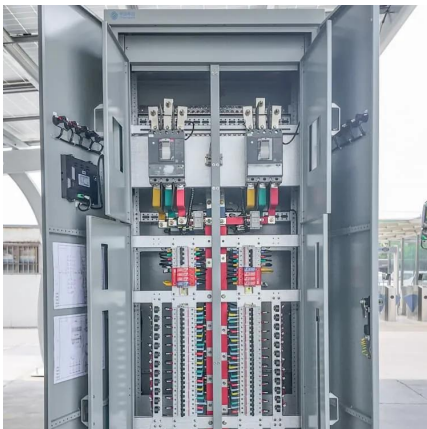
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Foldable containers are considered an effective solution to deal with the endemic imbalance in the repositioning of empty containers. Several foldable containers were ...

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Foldable Containers to Reduce the Costs of Empty Transport? A Cost

However, much depends on the additional costs that foldable containers cause, that is, the cost of folding and unfolding, additional exploitation costs and any additional ...



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

Abstract In order to solve the problem of empty container reposition considered foldable containers, the key factors affecting the use of foldable containers are found out. The ...

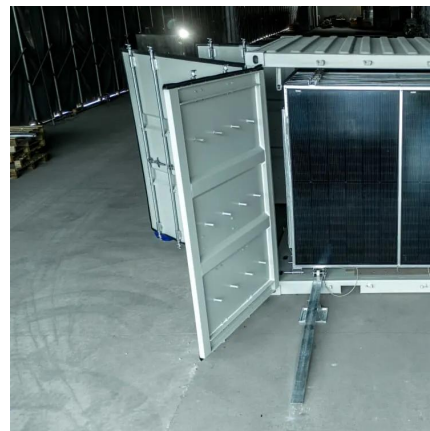
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Improving Logistics Management Using Foldable/Collapsible Containers...

Nevertheless the real impact and the effectiveness of foldable containers largely rests upon the differential in the price between a standard container and a foldable container, ...

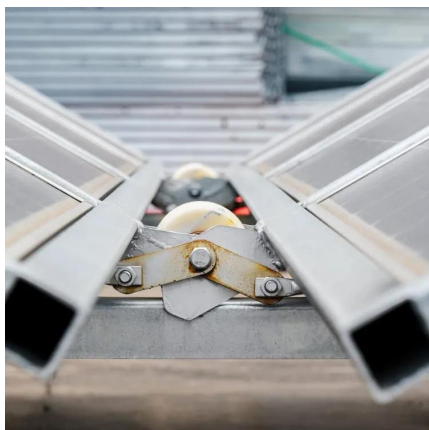
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[\(PDF\) Economic benefits of deploying foldable containers: ...](#)

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

This paper presents the design of a new 5-tier stacking foldable container with convenient folding and unfolding process and that can be produced economically compared to ...

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

There is little doubt that the requirement to reposition empty containers is one of the more persistent problems in the container transport industry, and is a key factor in cutting operating costs

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['Foldable' container could transform global box logistics](#)

A five-in-one foldable container design could boost efficiency and transform the carriages of empties, claims Florida-based Compact Container Systems (CCS).

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[Optimization of container scheduling considering the use of ...](#)

To address these issues, this study considers the use of foldable containers when utilizing the remaining capacity of vessels for empty container repositioning. A multi-period ...

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Effects of Foldable Containers in Various Circumstances ...

However, the optimal number of foldable containers differs in each situation, and the cost of fold-able containers is high. To address this, we propose implementing effective ...

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