

# **Georgetown Foldable Container Efficient Procurement**





## Overview

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Because of the extreme imbalance in intercontinental trade, the repositioning of empty containers creates a significant problem for shipping companies. There are many efforts to reduce the cost of repositioning.

Do foldable containers reduce repositioning costs?

In our ECR problem, the shipping company considers both transporting loaded containers and repositioning of empty containers over a planning horizon. Because empty repositioning incurs costs and consumes vessel capacity, foldable containers are used to reduce repositioning costs.

How to reduce the cost of repositioning empty containers?

There are many efforts to reduce the cost of repositioning empty containers, one of which is a foldable container. Foldable containers can be transported in a package such that a few folded containers occupy the same volume as one standard container.

Do folding/unfolding costs affect the adoption of foldable containers?

Therefore, it is clear that decisions about foldable containers are influenced by folding/unfolding costs, which may affect the adoption and active utilization of foldable containers. Table 12. Total transportation and repositioning quantities of foldable containers between NA-Asia network. Empty Cell Empty Cell LDR RLDR Empty Cell Empty Cell.

How can a government reduce the cost of a foldable container?

It would also be helpful for governments to invest in research and innovation of the equipment technology for handling foldable containers to reduce the fixed cost. Meanwhile, policies that can motivate container companies to supply more foldable containers to the market would also have a positive effect.



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Robust empty container repositioning considering foldable containers

Feb 1, 2020 · Because of the extreme imbalance in intercontinental trade, the repositioning of empty containers creates a significant problem for shipping companies. There are many efforts ...

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Learn everything about foldable containers

Jun 12, 2024 · In the dynamic world of project cargo logistics, efficiency and cost-effectiveness are paramount. Introducing foldable containers--an innovative solution designed to revolutionize ...

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'Foldable' container could transform global ...

Oct 25, 2024 · A five-in-one foldable container design could boost efficiency and transform the carriages of empties, claims Florida-based Compact ...

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The Impacts of Foldable Containers, Street-Turn and ...

Oct 24, 2019 · In this study, we developed a mathematical model for an integrated shipping network to investigate the impact of street-turn, depot-direct, using foldable containers, and ...

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Empty container repositioning with foldable containers in a ...

Mar 1, 2020 · The results show that introducing foldable containers into empty container repositioning along a river can utilize vessel space more effectively and decrease the total cost ...

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ANALYZING THE EFFECTS OF USING BOTH FOLDABLE ...

Dec 31, 2021 · 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 ...

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Do Foldable Containers Enhance Efficient Empty Container ...

Apr 23, 2021 · 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 ...

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Optimization of container scheduling considering the use of foldable

Dec 20, 2024 · This method fully utilizes transportation resources, improves logistics efficiency, and is more environmentally friendly. The numerical experiment results indicate that shipping ...

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(PDF) Economic benefits of deploying ...

Jun 27, 2024 · This study seeks to explore the effectiveness of employing foldable containers (FLDs) in liner shipping to reduce relocation and the ...

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(PDF) Economic benefits of deploying foldable containers: ...

Jun 27, 2024 · 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) ...

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#### Empty Container Repositioning in Supply Chain Management

Jun 3, 2025 · Furthermore, emerging technologies such as foldable containers not only promise significant cost savings but also contribute to an eco-efficient logistics framework.

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#### Do Foldable Containers Enhance Efficient Empty Container

Apr 23, 2021 · 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 ...

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#### 'Foldable' container could transform global box logistics

Oct 25, 2024 · 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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