

Foldable containers extend delivery time





Overview

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.

What are the operating costs of a foldable container?

Let I_t^F be the inventory level of foldable containers at port i at the end of period t . The total operating cost consists of transportation, repositioning, holding, penalty, folding, and unfolding costs. The transportation costs consist of expenses incurred during container flow.

How do foldable containers affect a shipping company's decision-making process?

The introduction of foldable containers affects the operational-level planning decisions at shipping companies, which makes the decision process very complex. The flow of loaded containers is a source of empty containers at the destined port, and the vessel capacity is shared by loaded and empty containers.

Can foldable containers be used in maritime transportation?

Computational results show that the proposed formulation performs well in terms of operating costs and there exists a significant cost-saving effect when foldable containers are used in maritime transportation. Previous article in issue Next article in issue
Keywords OR in maritime industry Empty container repositioning Foldable container



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Extended 40FT Foldable Prefab Container House Living Container ...

Nov 3, 2025 · How long is your delivery time?A: It depends on the order quantity, normally it will be 15 days after receiving the deposit.Q: 5. What is the container house use for?A: It can be ...



Extended Foldable Prefab Container Homes/40ft Folding Living Container

1. Q: How about your delivery time? A: Normally, the delivery time is as follows: Prefab house: 20-25days, Container house: 15-20days, Steel structure: 25-30days, Villa: 30-35days. 2. Q: What ...

Robust empty container repositioning considering foldable containers

Feb 1, 2020 · Repositioning of empty containers is non-value added transportation with enormous transportation costs and nonprofitable consumption of vessel capacity. Each time an empty ...



[Revolutionize Shipping with Foldable Shipping Containers: A ...](#)

Apr 29, 2025 · The primary advantage of foldable shipping containers is their cost-saving potential. By reducing the number of trips required for empty containers and optimizing storage ...



[\(PDF\) 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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