
High-efficiency trading conditions for foldable containers

What are the conditions for the success of foldable containers?

Konings and Thijs summarized clearly the conditions for the success of foldable containers in the market: (1) low costs for folding and unfolding the containers; (2) low manufacturing costs; (3) compatibility with existing equipment for intermodal transport; and (4) structural robustness.

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 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.

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 repositioning costs and saving in terms of storage space and vessel capacity.

Should foldable containers prove feasible operationally, they have the potential to emerge as a truly disruptive innovation in the container shipping industry in the coming ...

Collapsible solar Container hit the headlines at recent trade fairs with the latest generation of portable solar technology combining standard shipping containers and ...

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) ...

1. Introduction The enormous improvements in efficiency in the transport of goods induced by the arrival of the maritime container are well known. Influenced by changing market ...

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

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 ...

Enter foldable shipping containers--a revolutionary solution that promises to enhance operational efficiency and reduce environmental impact. In this guide, we will explore ...

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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