
Long-term cost analysis of foldable containers

Do foldable containers reduce container fleet management costs?

The effect of foldable containers on the costs of container fleet management in liner shipping networks. *Maritime Economics & Logistics*. 2012. Vol. 14. No. 4. P. 455-479. DOI: 10.1057/mel.2012.16. Shintani, K. & Konings, R. & Imai, A. Combinable containers: A container innovation to save container fleet and empty container repositioning costs.

Do foldable containers generate revenue?

However, this does not generate revenue and incurs container management costs (CMCs). 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.

Why do container ships cost a lot of fuel?

Container ships consume much fuel that is sensitive to bunker costs resulting in longer transit times and lower customer satisfaction. Also, shipping carriers are concerned with higher fixed operational costs and a lower freight rate due to ship overcapacity. Therefore, reducing

Are folding costs equivalent to unfolding costs?

have indicated that folding costs are approximately equivalent to unfolding costs. 1. Doudnikoff, M. & Lacoste, R. Effect of a speed reduction of container ships in response to higher energy costs in sulphur emission control areas.

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

Abstract--This study investigates the commercial viability of foldable containers from a carrier's perspective. A cost-benefit and sensitivity analysis is conducted for operating ...

Konings [7] analyzed the economic and logistical viability of introducing foldable containers through a cost-benefit analysis, showing that the use of foldable containers could ...

How foldable boxes reduce storage and logistics costs by up to 60% with real case data. Discover space savings, ROI timelines, and long-term operational benefits. See the proof.

Foldable And Collapsible Container Market Summary The global foldable and collapsible container market size was estimated at USD 1.64 billion in 2024 and is projected to reach USD ...

This could save transport costs, but also transshipment and storage costs. In this paper, we analyse the opportunities for commercial application of foldable containers. For this ...

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 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) ...

Overcoming these challenges will require market players to focus on educating customers about the long-term cost benefits and sustainability advantages of foldable containers.

