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# Scalable Cost Analysis of Foldable Containers

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/collapsible containers a good option for Logistics Management?

Although containerization conveys numerous Improving Logistics Management Using Foldable/Collapsible Containers: A Case Study G 164G G advantages to the logistics industry, there are some disadvantages. The use of foldable containers is proposed as a way of solving the current issues with standard containers, but their use is not widespread yet.

Why are foldable containers not widely used?

Foldable containers are not widely used due to some factors such as initial costs, safety issues (Boile et al., 2004) and the perceived costs of additional investments to improve port facilities and equipment to cater for foldable containers.

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.

Foldable containers have the potential to enhance the cost efficiency of the logistics industry and improve the problem of space allocation at seaports. Using primary 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) associated with ship ...

A shipping company can also reposition empty containers from surplus ports to deficit ports. These strategies must be completed while minimizing the total costs for ...

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 ...

A cost-benefit and sensitivity analysis is conducted for operating regular and foldable containers over their respective lifespans.

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 ...

This study considers the empty container repositioning problem of shipping companies that

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use standard and 3-in-1 foldable containers with more advanced designs. A mathematical model is ...

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