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Title: Off-network cost of foldable containers for base stations in Australia

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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.

How much does a foldable container cost?

For the sensitivity analysis, the purchasing price of a foldable container is assumed to be twice as much as that of a standard container. Four foldable containers take up as much space as a standard container when folded and packed together. The folding and unfolding costs are the same; they are assumed to be approximately 50USD per handling.

Do foldable containers affect the shipping industry?

This paper analyzes the effect of foldable containers in various circumstances. Recently, as a result of the COVID-19 pandemic, many unexpected situations have arisen in the shipping and logistics industries. In this study, we examine three key situations: shutdowns, demand fluctuations, and fleet size fluctuations.

How much does a standard container cost?

The purchasing price of a standard container, which is amortized for a year, is 946USD per container for a shipping company while that price of a foldable container is 1,892USD per container. 5.2.1. Experiments on Models 1 and 2 Experiments are conducted to compare the cost of using standard containers with that of using foldable containers.

Strategies to reposition empty containers are an unabated issue for shipping companies. This study compares the repositioning costs of foldable containers to those of ...

By bypassing the need to transport empty containers to a dedicated folding facility and instead folding and bundling them on-site, SKLADX achieves significant cost savings.

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Motivated by an ocean carrier's recent trial of foldable containers and their possible role in revolutionizing the shipping industry, this paper seeks to address the above knowledge ...

In this study, we examine three key situations: shutdowns, demand fluctuations, and fleet size fluctuations. Furthermore, we developed an integer programming model to analyze ...

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 ...

We use the model to minimize total transportation costs, inventory holding, handling, folding and unfolding, container leasing, and ...

The article discusses the costs associated with building and maintaining a communication base station, categorizing them into initial setup costs such as site acquisition, design and ...

We use the model to minimize total transportation costs, inventory holding, handling, folding and unfolding, container leasing, and installing facilities that accommodate ...

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 ...

During this time, the only method of folding was a technology whereby the end walls collapsed onto the floor. Unfortunately, the cost of ownership was too high, and many of the ...

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