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## Off-network cost of foldable containers for US base stations

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.

How many foldable containers are needed for the Inland network?

Out of a total of about 5000 containers, an estimated fleet and critical mass of just 695 foldable containers are required for the inland network under study (and the rest of the containers being conventional ones), with a 71% load factor on the back haul.

How much does it cost to reposition an intermodal shipping container?

The intermodal shipping container is 70 years old. Over the years it has been refined but ownership costs have increased. For example, this year, the annual operating prices have ranged between \$25,000 to \$40,000 to reposition an empty container.

Are shipping containers outdated? The intermodal shipping container is 70 years old. Over the years it has been refined but ...

This study seeks to explore the effectiveness of employing foldable containers (FLDs) in liner shipping to reduce relocation and the ...

The U.S. foldable and collapsible container industry is primarily driven by the need for cost efficiency and sustainability in logistics and supply chain ...

The U.S. foldable and collapsible container industry is primarily driven by the need for cost efficiency and sustainability in logistics and supply chain operations. Traditional shipping ...

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 ...

For this purpose a cost-benefit analysis is adopted in which four logistic concepts to use foldable containers are presented as a framework for analysis. The costs and benefits ...

Abstract In order to solve the problem of empty container repositioning considered foldable containers, the key factors affecting the use of foldable containers are found out. The ...

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Using high-grade materials ensures longevity and reduces replacement costs." Selection of military base folding containers made from sturdy materials like steel or heavy ...

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To illustrate the impact of foldable containers on back haul shippers, a numerical analysis is performed on the same shipping network in the US Mid-West which was analyzed ...

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