

Title: Cost-effectiveness analysis of a 30kWh foldable container

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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.

Are foldable containers economically viable?

In order to examine the economic viability of the developed foldable container as compared to a standard 40-ft high-cube container, cost analysis is performed for an example route, i.e., the Busan-Vostochny-Moscow route (Fig. 10), which involves both inland and maritime transportation.

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 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.

Findings reveal usage of foldable containers can be cost-effective, if containers make a "FULL-EMPTY" route. To the contrary, a "FULL-FULL" route can drastically ...

Clay County, Florida (FL) Detailed Profile Median monthly housing costs for homes and condos with a mortgage: \$1,760 Median monthly housing costs for units without a mortgage: \$492 ...

The presented foldable container passed the tests for international certifications ISO 1496-1 and CSC required for its application on site. Differently from the 4:1 folding ratio ...

In this study, we conducted an analysis of the effects of using foldable containers in various circumstances, with particular emphasis on addressing the issue of container imbalances.

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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 regular and ...

The costs and benefits of using foldable containers in these logistic concepts are calculated and compared with the situation in which standard containers are used. It is shown that the use of ...

Based on these insights, we propose a hypothesis regarding the use of FLDs by which they can lower empty container volumes to be relocated, resulting in fewer CMCs and shorter container ...

In this paper we analyse why previous initiatives for foldable containers failed and discuss the conditions required for successful commercial applications.

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Default gas prices are current and updated daily. Gas usage calculations use algorithms taking into account the speed and gas usage relationship curve on every segment of the trip. To ...

Discover how foldable container houses cut construction costs by up to 60% and deploy in hours, not months. Ideal for disaster relief, urban housing, and remote workspaces.

Orange County, Florida (FL) Detailed Profile Median monthly housing costs for homes and condos with a mortgage: \$1,991 Median monthly housing costs for units without a mortgage: \$683 ...

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