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Title: North Korean Folding Container Low-Pressure Type Cost-Effectiveness

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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.

What are the benefits of a foldable container?

Shortened cycle period of foldable containers enhances time utilization, enabling on-time supply to proper destinations. Loading and unloading speeds of empty foldable containers are also increased by four times. With four times the loading capacity Empty foldable containers, the number of transport vehicles decreases by 1/4.

Is FLD more efficient than STU in container shipping?

Table 1 Annual cargo traffic between two regions for each trade imbalance (TI) Fig. 1. Cargo traffic trend 4.5. Analyses We evaluated how FLD use in container fleets, such as FLU, and MIX, is more efficient than STU in container shipping by comparing them in terms of BCs and CMCs. 4.5.1. Number of tiers of foldable containers

Are containerships more cost effective than STDs?

be more cost - effective than STDs, especially for extreme trade imbalance (TI) lanes. Information Administration ). Containerships consume much fuel that is sensitive to bunker costs resulting in longer transit times and lower customer satisfaction.

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. ...

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

While its dimensions are the same as conventional containers, it can be folded to reduce its volume by 1/4, enabling cost-effective and eco-friendly ...

By reducing weight and height through material improvements and design enhancements compared to standard steel IBCs, FOLDPAC achieves lightweight, high-strength, and high ...

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This paper presents the design of a new 5-tier stacking foldable container with convenient folding and unfolding process and that can be produced economically compared to ...

Borg, E.: Environmental benefits from reducing empty container movements: a life cycle assessment and analysis of strategies to reduce empty container repositioning.

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 adopted by most ...

While its dimensions are the same as conventional containers, it can be folded to reduce its volume by 1/4, enabling cost-effective and eco-friendly transportation.

Article "Design and Cost-Effectiveness of 5-Tier Foldable Container" Detailed information of the J-GLOBAL is an information service managed by the Japan Science and Technology Agency ...

We analyze the effects of foldable containers using a newly developed multi-port and multi-period container planning model. The proposed model is a large-scale optimization problem, for ...

FLDs can be folded and bundled four high when repositioned, reducing space by 75%, aiding efficient utilization, and lowering the handling burden at ports, meaning they may be more cost ...

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