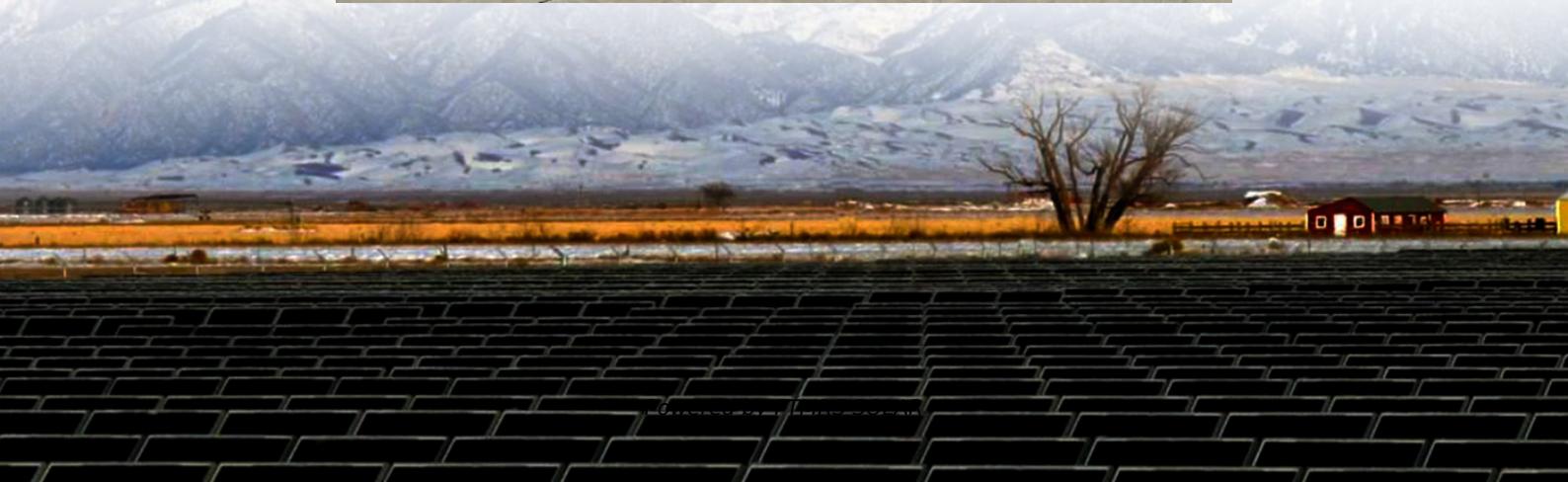




FTMRS SOLAR

Off-network cost of foldable containers for base stations in Africa





Overview

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.

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.



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The Effect of Foldable Containers on the Costs of Container ...

Dec 1, 2012 · Abstract and Figures This article analyses the way in which foldable containers could potentially lower the costs of container fleet management in liner shipping networks.

(PDF) Economic benefits of deploying foldable containers: ...

Jun 27, 2024 · 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) ...

The Effect of Foldable Containers on the ...

Dec 1, 2012 · Abstract and Figures This article analyses the way in which foldable containers could potentially lower the costs of container fleet ...

Reliable design of container shipping network with foldable container

Jan 1, 2023 · In this regard, a decision-maker should make a great effort to find a suboptimal mix of foldable and standard containers by a cost-efficient and reliable design of a container ...

Foldable Containers to Reduce the Costs of Empty ...

Aug 23, 2017 · 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 ...

Foldable and standard containers in empty container repositioning

Jan 1, 2013 · Strategies to reposition empty containers are an unabated issue for shipping companies. This study compares the repositioning costs of foldable containers to those of ...

(PDF) Economic benefits of deploying ...

Jun 27, 2024 · This study seeks to explore the effectiveness of employing foldable containers (FLDs) in liner shipping to reduce relocation and the ...

An Empty Container Reposition Study with Foldable ...

Apr 27, 2025 · Abstract In order to solve the problem of empty container reposition considered foldable containers, the key factors affecting the use of foldable containers are found out. The ...

ECONOMIC BENEFITS OF DEPLOYING FOLDABLE ...

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Reliable design of container shipping network with foldable container

Jan 1, 2023 · A container shipping network design usually provided a least cost-based



container assignment model to minimize expected costs comprised of container handling, leasing, and ...

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Effects of Foldable Containers in Various Circumstances in ...

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Minimizing cost of empty container repositioning in port hinterlands

Jan 1, 2017 · The model is tailored for the repositioning of these containers in the representative setting of a network of off-dock empty depots, ocean terminals, and inland terminals. In our ...

The Impacts of Foldable Containers, Street-Turn and Depot ...

Oct 25, 2019 · In this study, we formulated a novel Mixed-Integer Linear Programming (MILP) model considering a multi-period and multi-region shipping network to minimize the total cost ...

The impact of foldable ocean containers on back haul ...

Feb 1, 2019 · 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 ...

The impact of foldable containers on the cost of empty ...

Feb 24, 2020 · Abstract This study analyses the impact of using foldable containers in terms of cost savings of truck drayage operations, of both loaded and empty containers, in the ...

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