

# Off-network cost of foldable containers for base stations



## Overview

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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.

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.

Can repositioning empty containers reduce the cost of hinterland transport?

Shintani et al. (2010) focused on three scenarios for repositioning empty containers with foldable and standard containers in a hinterland, and the results showed that using foldable containers could reduce the total management cost for hinterland transport compared with the use of standard containers.

How can a government reduce the cost of a foldable container?

It would also be helpful for governments to invest in research and innovation of the equipment technology for handling foldable containers to reduce the fixed cost. Meanwhile, policies that can motivate container companies to supply more foldable containers to the market would also have a positive effect.

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### An Empty Container Reposition Study with Foldable ...

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 ...

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### Effects of Foldable Containers in Various Circumstances ...

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 ...



### ECONOMIC BENEFITS OF DEPLOYING FOLDABLE ...

ECONOMIC BENEFITS OF DEPLOYING FOLDABLE CONTAINERS: REDUCING BUNKER AND CONTAINER MANAGEMENT COSTS IN A MULTI-PORT SHIPPING ...

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### Reliable design of container shipping network with foldable

## container

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 ...

### Highvoltage Battery



### (PDF) Economic benefits of deploying ...

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

## Do Foldable Containers Enhance Efficient Empty Container ...

However, introducing a large number of foldable containers may increase the total management costs of container repositioning.



## ANALYZING THE EFFECTS OF USING BOTH FOLDABLE ...

A shipping company can also reposition empty containers from surplus ports to deficit ports. These strategies must be completed while minimizing the total

costs for ...



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### **Do Foldable Containers Enhance Efficient ...**

However, introducing a large number of foldable containers may increase the total management costs of container repositioning.



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### **Foldable Containers to Reduce the Costs of Empty ...**

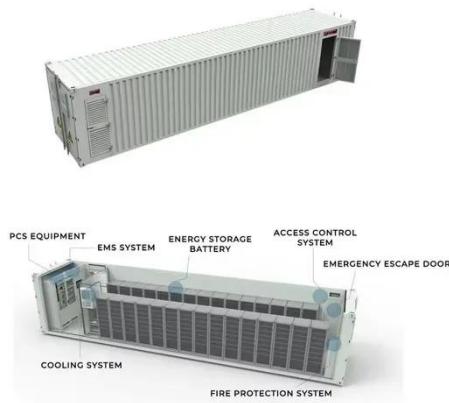
For this purpose a cost-benefit analysis is adopted in which four logistic concepts to use foldable containers are presented as a framework for analysis. The costs and benefits ...

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

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

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 ...

### **Empty container repositioning with foldable containers in a ...**

The results show that introducing foldable containers into empty container repositioning along a river can utilize vessel space more effectively and decrease the total cost ...



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