

**EQACC SOLAR**

# **Mixed Government Procurement of Foldable Containers**



## Overview

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Because of the extreme imbalance in intercontinental trade, the repositioning of empty containers creates a significant problem for shipping companies. There are many efforts to reduce the cost of repositioning.

Do foldable containers reduce repositioning costs?

In our ECR problem, the shipping company considers both transporting loaded containers and repositioning of empty containers over a planning horizon. Because empty repositioning incurs costs and consumes vessel capacity, foldable containers are used to reduce repositioning costs.

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.

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.

What are the operating costs of a foldable container?

Let  $F_t$  be the inventory level of foldable containers at port  $i$  at the end of period  $t$ . The total operating cost consists of transportation, repositioning, holding, penalty, folding, and unfolding costs. The transportation costs consist of expenses incurred during container flow.

## Mixed Government Procurement of Foldable Containers

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

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 ...

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

In particular, the viability of foldable containers as an instrument of carbon offsetting for the shipping industry is explored. A shadow pricing approach has been adopted to predict ...



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### Managing Empty Containers , SpringerLink

Managing empty containers efficiently is the goal for all the parties involved in the container transport chain. In this chapter we discuss a model for empty container management with four ...

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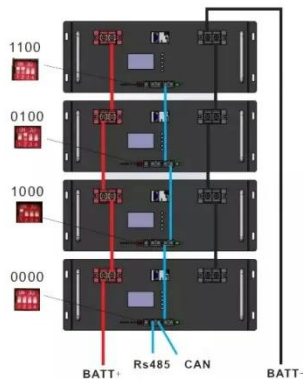
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### Effects of using foldable

## containers in hinterland areas

To fill the research gap addressing the operational and technical aspects of using foldable containers, we systematically analyzed the effects of using foldable containers in the field ...

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## Robust empty container repositioning considering foldable containers

Because of the extreme imbalance in intercontinental trade, the repositioning of empty containers creates a significant problem for shipping companies. There are many efforts ...

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

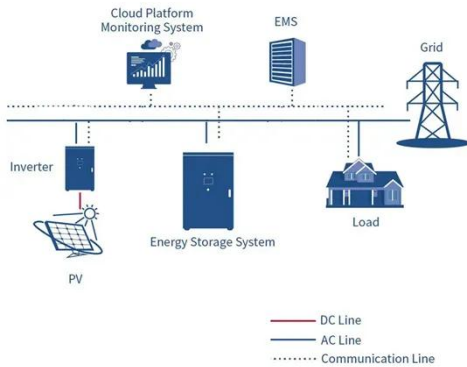
...

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) ...

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## Combinable containers: A container innovation to save container ...



Ocean carriers usually resolve these problems by empty container leasing, empty container repositioning, and technology solution such as foldable containers and combinable ...

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## Optimization of container scheduling considering the use of foldable

The imbalance in global trade has led to an uneven distribution of empty containers worldwide, resulting in difficulties in cargo transportation. For instance, import ...

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## 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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## Revolutionize Shipping with Foldable Shipping Containers: A ...

Traditional shipping containers contribute to these problems, as a considerable percentage of them travel empty. Enter foldable shipping containers--a revolutionary solution ...

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

The proposed model is formulated as a Mixed-Integer Linear Programming (MILP) model in IBM OPL CPLEX. Hypothetical data sets are generated to investigate how the street ...

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## **China Best Foldable Container,Factory Price Foldable Container ...**



Guangdong C.BOX is a professional foldable container supplier, manufacturer in China, we supply various high quality foldable container for sale, one-to-one sales service.

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## COLLAPSIBLE CONTAINERS ON EMPTY CONTAINER ...

the costs of container fleet management in liner shipping (Shintaniet al, 2012). Given that even with the perfect information systems to management & minimize the ...

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## Supply and Deliver a Movable Foldable office containers at ...

Bid for tender to Supply and Deliver a Movable Foldable office containers at Feruka Pumping Station (Refer to the attacehed document) by PETROZIM LINE in Zimbabwe. Access ...

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## 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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## Ship type decision considering empty container ...

foldable containers Abstract: This paper addresses a problem of ship type decision considering empty container repositioning and foldable containers, which determines the ...

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## (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 ...

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✓ BRAND NEW ORIGINAL

✓ HIGH-EFFICIENCY

## 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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