



FTMRS SOLAR

Helsinki Foldable Container Off-Network Procurement





Overview

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.

How to reduce the cost of repositioning empty containers?

There are many efforts to reduce the cost of repositioning empty containers, one of which is a foldable container. Foldable containers can be transported in a package such that a few folded containers occupy the same volume as one standard container.

What are the operating costs of a foldable container?

Let I 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.

How do foldable containers affect a shipping company's decision-making process?

The introduction of foldable containers affects the operational-level planning decisions at shipping companies, which makes the decision process very complex. The flow of loaded containers is a source of empty containers at the destined port, and the vessel capacity is shared by loaded and empty containers.



Helsinki Foldable Container Off-Network Procurement

(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) ...

Foldable container in empty container ...

Nov 10, 2017 · In this paper, we propose an empty container repositioning model in the intermodal transportation network of Belt and Road (B& R) ...

Procurement and tendering , City of Helsinki

1 day ago · The City of Helsinki is the largest operator engaging in public procurement in Finland. The competitive tendering of procurements is centralised to the divisions, offices of public ...

How does the City of Helsinki procure products and services?

Oct 8, 2025 · The City of Helsinki's procurement processes comply with legislation on public procurement as well as the Finnish Local Government Act, Administrative Procedure Act, Act ...

Empty container repositioning with foldable containers in a ...

Mar 1, 2020 · 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 ...

ANALYZING THE EFFECTS OF USING BOTH FOLDABLE ...

Dec 31, 2021 · 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 ...

Foldable container in empty container repositioning in ...

Nov 10, 2017 · In this paper, we propose an empty container repositioning model in the intermodal transportation network of Belt and Road (B& R) Initiative by considering both standard and ...

How does the City of Helsinki procure ...

Oct 8, 2025 · The City of Helsinki's procurement processes comply with legislation on public procurement as well as the Finnish Local ...

Activities and Reduction Strategies of Empty Container ...

Jun 8, 2021 · Foldable containers are not infrequently used today and according to Moon et al. (2013), some of the main problems with foldable containers are high production and ...

(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 ...

Robust empty container repositioning considering foldable containers

Feb 1, 2020 · Because of the extreme imbalance in intercontinental trade, the repositioning of empty containers creates a significant problem for shipping companies. There are many efforts ...

Procurement and tendering , City of Helsinki

1 day ago · The City of Helsinki is the largest operator engaging in public procurement in Finland. The competitive tendering of procurements is ...

Foldable containers coming to the rescue , ShipHub

Foldable containers - an alternative to traditional boxes The solution to the problem, foldable containers, appeared in 2008. Behind it is the Dutch company Holland Container Innovations ...

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

Oct 25, 2019 · In this study, we developed a mathematical model for an integrated shipping network to investigate the impact of street-turn, depot-direct, using foldable containers, and ...

Foldable containers coming to the rescue

Foldable containers - an alternative to traditional boxes The solution to the problem, foldable containers, appeared in 2008. Behind it is the Dutch ...

Contact Us

For technical specifications, project proposals, or partnership inquiries, please visit:

<https://flightmasters.eu>

Scan QR Code for More Information



<https://flightmasters.eu>